Base Load Power Hub (BLPH)

Stress & Vibration Analysis Report

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Table of contents

1 DOCUMENT SCOPE 5
2 REFERENCE OF DOCUMENTS 5
2.1 CODES 5
2.2 PROJECT DOCUMENTS 6
2.3 COMPANY DOCUMENTS 7
2.4 OTHER DOCUMENTS 7
3 DEFINITIONS 7
4 INPUT DATA 8
4.1 UNIT SYSTEM 8
4.2 CRITICAL LINES 9
4.3 TEMPERATURES AND PRESSURE 10
4.4 MATERIALS AND WEIGHTS 10
4.5 MANUAL, INSTRUMENT, SAFETY VALVES DIMENSIONS AND WEIGHTS 10
4.6 EQUIPMENT 11
4.7 OCCASIONAL LOADS 12
4.7.1 Seismic Load 12
4.7.2 Wind Load 12
4.7.3 Snow Load 13
4.7.4 Pressure Safety Valves Reaction Forces 13
4.7.5 Transportation Analysis 13
4.8 VIBRATION ANALYSIS 14
5 CALCULATION METHOD 15
5.1 STRESS ANALYSIS CRITERIA 15
5.2 COMPUTER CODE 15
5.3 REFERENCE SYSTEM 15
5.4 COMPUTATIONAL OPTIONS 16
5.5 LOADS AND THEIR COMBINATIONS 16
5.5.1 Load combinations descriptions 16

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5.5.2 Load Types 16
5.5.3 Load combinations 17

6 CAESAR MODEL 19

7 OUTPUT DATA 22

7.1 CODE COMPLIANCE 22
7.2 NOZZLE CHECK 23
7.3 FLANGE LEAKAGE CHECK 24
7.4 FREQUENCY ANALYSIS 25
7.5 LOADS ON SUPPORTS 26
7.6 CONCLUSIONS 30

8 ANNEXES 31

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1 DOCUMENT SCOPE

The present report contains the method and input data for piping stress and vibration analysis and the results of critical lines design for the execution of the Project for Base Load Power Hub (BLPH).

The purpose of the analysis is to verify that the stresses calculated under the geometrical and load conditions described in this report are lower than the allowable according to the relevant code (ASME B31.12). Further in detail, some specific issues are investigated:

- the value of the stress along all the lines;
- the amount of displacement due to the load imposed on the lines;
- the forces and moments acting on restraints for piping support design;
- the forces and moments acting on nozzle against the allowable loads;
- flange leakage check;
- modal analysis to evaluate natural frequencies and shapes for the modes of vibration of the pipe system to avoid any vibration phenomena and guarantee a good engineering on supports design;
- Transportation analysis to evaluate good engineering of piping supports against ship movements.

The software used to perform the analysis is Caesar v.14 (new release of Caesar with code ASME B31.12 incorporated).

2 REFERENCE OF DOCUMENTS

To develop Stress Analysis, EPCM CONTRACTOR has applied as per contract below listed regulation preference order:

- International CODE & Standards
- Project specifications and referenced documents
- Good engineering practices

2.1 CODES

Code	Title
ASME B31.12	Hydrogen Piping and Pipelines (Latest Edition)
ASME B31.3	Process Piping (Latest Edition)
ENERGY INSTITUTE GUIDELINES 2th Edition	Guidelines for the Avoidance of Vibration Induced Fatigue Failure in Process Pipework

2.2 PROJECT DOCUMENTS

Designation	Doc. Number	Rev.
Piping Material Classes	123A90-DDL-PP-SP-70000	(1)
Structural Design Premises	123A90-DDL-ST-SP-90017	(1)
Isometrics drawing & List	123A90-DDL-PP-DI-71000	(1)
Pipe Support Standard	123A90-DDL-PP-DD-70063	(1)
DS - Manual Valves	123A90-DDL-PP-DS-70003	(1)
Technical Datasheet for Pressure Safety Valves	123A90-DDL-IN-DS-40033	(1)
Process Line List	123A90-DDL-PR-LIS-80035	(1)
P&ID - Fuel Cell Package	123A90-DDL-PR-PID-80012	(1)
P&ID - Hydrogen Storage Vessel A	123A90-DDL-PR-PID-80015	(1)
P&ID - Hydrogen Storage Vessel B	123A90-DDL-PR-PID-80016	(1)
P&ID - Hydrogen Storage Vessel C	123A90-DDL-PR-PID-80017	(1)
P&ID - Hydrogen Storage Vessel D	123A90-DDL-PR-PID-80018	(1)
P&ID - Hydrogen Storage Vessel E	123A90-DDL-PR-PID-80019	(1)
P&ID - Hydrogen Storage Vessel F	123A90-DDL-PR-PID-80020	(1)
P&ID - Hydrogen Vent Header	123A90-DDL-PR-PID-80028	(1)
P&ID - Hydrogen Vent Drum	123A90-DDL-PR-PID-80029	(1)
General Arrangement Drawing and Foundation Loading diagram – Hydrogen Storage Vessel Item: V-25001 A/F	1723001756-MAC-DA-00004	(1)
Hydrogen Vent KO Drum V-43001 GA & Foundation Loading	1724000163-MAC-DA-00004	(1)
General Arrangement Drawing and Foundation Loading of Vent Q-43004	1724000887-MAC-DA-00003	(1)
Mechanical Calculation - Hydrogen Vent	1724000887-MAC-CA-00004	(1)
Transportation accelerations for CPI design	CW-ROS-TQ-0002	(1)
SDV/BDV AND TIGHT SHUT-OFF XV VALVES GENERAL ARRANGEMENTS DRAWINGS	1724000204-IN-DA-00004	(1)
PSV GENERAL ARRANGEMENTS DRAWINGS	1724000518-IN-DA-00003	(1)
PV GENERAL ARRANGEMENTS DRAWINGS	1724000740-IN-DA-00004	(1)
MANUAL BALL, DBB, SBB IN LINE GENERAL ARRANGEMENTS DRAWINGS	1724000798-PP-DA-00003	(1)

NOTES:

(1) Latest revision

2.3 COMPANY DOCUMENTS

Designation	Doc. Number	Rev.
BLPH Platform Site And Engineering Data	CWHKN-INN-BPH-DTS-00005	(1)
Piping – General Requirements	DEP 31.38.01.11 -Gen.	2018
Unfired Pressure Vessels (Including Adoption Of IOGP S-619)	DEP 31.22.00.31-Gen.	2023
NOTES: (1) Latest revision		

2.4 OTHER DOCUMENTS

Designation	Doc. Number	Rev.
BLPH-CROSSWIND Naviswork 3D file	-	12/07/24

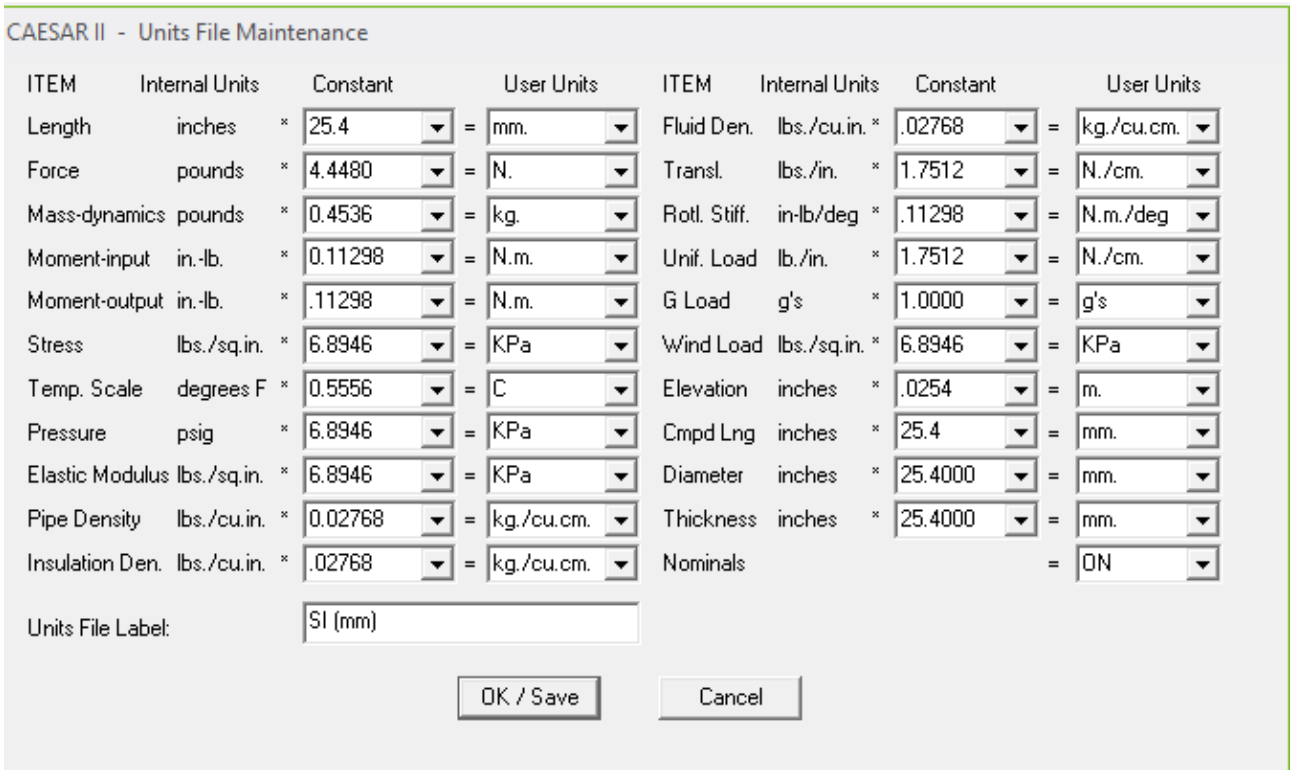
3 DEFINITIONS

COMPANY or Client (CPY)	Crosswind
CONTRACTOR (CTR)	ROSETTI MARINO S.p.A.
PROJECT	HOLLANDSE KUST NOORD WIND PARK Project

4 INPUT DATA

4.1 UNIT SYSTEM

The unit system used throughout the whole analysis is the International System Units (SI), as defined in picture below:



4.2 CRITICAL LINES

Critical Lines have been selected from doc. 123A90-DDL-PR-LIS-80035 – "Process Line List" with the followings criteria:

- All lines with NPS >2" belonging to piping classes 01HSS and 03HSS (Hydrogen Fluid);
- All lines in PED category III;
- All lines with NPS >2" connected to Pressure Safety Valves.

Lines subjected to Stress Analysis are the followings:

Line Number	Operating Pressure	Design Pressure Max P1 [barg]	Test Pressure PH [barg]	Operating Temperature T3 [°C]	Operating Temperature T4 [°C]	Max. Design Temperature T1 [°C]	Min. Design Temperature T2 [°C]	Notes
1-1-2-HY-024-03HSS-N	30	40	60	25	60	80	-10	(1)
1-1-2-HY-166-03HSS-N	30	40	60	25	60	80	-10	(1)
1-1-2-HY-170-03HSS-N	30	40	60	25	60	80	-10	(1)
1-1-2-HY-174-03HSS-N	30	40	60	25	60	80	-10	(1)
1-1-2-HY-179-03HSS-N	30	40	60	25	60	80	-10	(1)
1-1-2-HY-183-03HSS-N	30	40	60	25	60	80	-10	(1)
4-HY-142-03HSS-N	30	40	60	25	60	80	-10	
4-HY-152-01HSS-N	6.5	10	15	25	60	100	-10	
2-HY-023-01HSS-N	6.5	10	15	25	60	100	-10	(1)
4-HY-167-03HSS-N	30	40	60	25	60	80	-10	
4-HY-171-03HSS-N	30	40	60	25	60	80	-10	
4-HY-175-03HSS-N	30	40	60	25	60	80	-10	
4-HY-180-03HSS-N	30	40	60	25	60	80	-10	
4-HY-184-03HSS-N	30	40	60	25	60	80	-10	
4-VL-025-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
4-VL-111-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
4-VL-112-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
4-VL-113-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
4-VL-114-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
4-VL-115-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-010-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-145-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-168-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-172-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-176-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-181-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
6-VL-185-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
10-VL-116-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
10-VL-117-01HSS-N	1.20	3.5	5.25	25	60	100	-10	
10-VL-123-01HSS-N	1.20	3.5	5.25	25	60	100	-10	

NOTES:
(1) Modeled as boundary condition for PSV connected lines.

4.3 TEMPERATURES AND PRESSURE

P1	Design Pressure according to 123A90-DDL-PR-LIS-80035 – "Process Line List"
PH	Test Pressure according to 123A90-DDL-PR-LIS-80035 – "Process Line List"
Tinst	Installation Temperature equal to 10,5°C (Nominal Ambient Temperature according to doc. CWHKN-INN-BPH-DTS-00005 – "BLPH Platform Site And Engineering Data")
T1	Maximum Design Temperature according to 123A90-DDL-PR-LIS-80035 – "Process Line List" and 123A90-DDL-PP-SP-70000 – "Piping Material Classes"
T2	Minimum Design Temperature equal to -10°C (Minimum Ambient Temperature according to doc. CWHKN-INN-BPH-DTS-00005 – "BLPH Platform Site And Engineering Data")
T3	Normal Operating Temperatrue equal to 25°C (Maximum Ambient Temperature according to doc. CWHKN-INN-BPH-DTS-00005 – "BLPH Platform Site And Engineering Data")
T4	Maximum Operating Temperature equal to 60°C (solar radiation temperature estimated for BLPH site)

4.4 MATERIALS AND WEIGHTS

According to 123A90-DDL-PP-SP-70000 – "Piping Material Classes".

According to Note (d) of Table IX-5A, IX-5B and IX-5C of APPENDIX IX of code ASME B31.12, Material Performance Factor considered in the analysis is equal to Mf=1 because pipe material is austenitic stainless steel (SS 316). So it can be used allowable stresses of Table IX-1A without any reduction.

4.5 MANUAL, INSTRUMENT, SAFETY VALVES DIMENSIONS AND WEIGHTS

Dimensions and weights according to Annex 2 – Reference Documents.

4.6 EQUIPMENT

Equipment dimensions, mechanical characteristics, allowable nozzle loads according to following documents:

Hydrogen Storage Vessel Item: V-25001 A/F	
Description	Reference Document
Dimensions and Mech. Charactestics	1723001756-MAC-DA-00004 (Equipment GAD)
Allowable Loads on Nozzles	1723001756-MAC-DA-00004 (Equipment GAD)

Hydrogen Vent KO Drum V-43001	
Description	Reference Document
Dimensions and Mech. Charactestics	1724000163-MAC-DA-00004 (Equipment GAD)
Allowable Loads on Nozzles	1724000163-MAC-DA-00004 (Equipment GAD)

Hydrogen Vent Q-43004	
Description	Reference Document
Dimensions and Mech. Charactestics	1724000887-MAC-DA-00003 (Equipment GAD)
Allowable Loads on Nozzles	1724000887-MAC-CA-00004 (Mechanical Calculation)

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4.7 OCCASIONAL LOADS

4.7.1 Seismic Load

No seismic load according to 123A90-DDL-ST-SP-90017 – "Structural Design Basis".

4.7.2 Wind Load

Wind load according to 123A90-DDL-ST-SP-90017 – "Structural Design Basis".

Wind velocity is calculated with the following formula:

$$U(z, t) = U(z) * [1 - 0.41 * Iu(z) * \ln(t/t_0)]$$

by imposing $t=t_0=1hr$, previous formula becomes:

$$U(z, t=t_0) = U(z) = U_0 * [1 + C * \ln(z/z_r)]$$

Where:

$C = 0.0573 * (1 + 0.15 * U_0)^{1/2}$

U_0 = 39,1 m/s (averaging time 1hr, return period 50 years, Table 6.5 of Structural Design Basis)

z_r =125 m MSL (reference height for wind speed U_0)

Wind pressure acting on pipes is calculated from Wind Speed U(z) with the following formula:

$Peq(z) = ½ \rho [U(z)]^2$

Where:

ρ = 1,225 [kg/m^3] (air density)

Wind pressure vs elevation function is showned in the following table:

elevation z [m]	wind speed U(z) [m/s]	wind pressure Peq(z) [N/m^2]
1	10.76	70.87
6	21.27	277.23
10	24.27	360.89
14	26.25	422.01
18	27.72	470.78
22	28.90	511.63
26	29.88	546.94
30	30.72	578.12
34	31.46	606.11
38	32.11	631.53
42	32.70	654.85
46	33.23	676.41
125	39.1	936.40

Wind loads are generated by multiplying the pipe exposed area, including insulation (if any), considering pipe shape factor equal to 0,8.

4.7.3 Snow Load

Snow load according 123A90-DDL-ST-SP-90017 – "Structural Design Basis".

Snow loads has to be imposed on critical piping with diameter more than 12". On the piping inside close buildings snow loads will not be applied.

No Snow loads have been applied on critical piping because all diameters are lower than 12".

4.7.4 Pressure Safety Valves Reaction Forces

PSV Reaction Forces values according to preliminary sizing sheets received from Vendors.

PSV Reaction Forces have been evaluated according to API 520 Part II and applied in software with a dynamic load factor equal to DLF=2.

$$F = 129W\sqrt{\frac{kT}{(k+1)M}} + \frac{(AP)}{1000}$$

Item	Wmax [kg/h]	k = (Cp/Cv)	T [°C]	M [kg/kmole]	A [cm^2]	P [bar a]	F [N]	DLF	F*DLF [N]
80-PSV-001	3003.31	1.41	25	2.016	12,946	12.01	1003.5	2	2007
25-PSV-001A/B/C/D/E/F	1044.33	1.41	201.9	2.016	1,389	49.41	440.5	2	881

In the following table there are the input values inserted in the model:

(Force - N)									
ITEM	POINT NAME	LOAD CASE	TYPE	FX	FY	FZ	MX	MY	MZ
25-PSV-001A	8310	L13	FORCE	881	0	0	0	0	0
25-PSV-001B	6310	L13	FORCE	881	0	0	0	0	0
25-PSV-001C	4310	L13	FORCE	881	0	0	0	0	0
25-PSV-001D	310	L13	FORCE	881	0	0	0	0	0
25-PSV-001E	2310	L13	FORCE	881	0	0	0	0	0
25-PSV-001F	10310	L13	FORCE	881	0	0	0	0	0
80-PSV-001	1373	L13	FORCE	2007	0	0	0	0	0

4.7.5 Transportation Analysis

According to CW-ROS-TQ-0002 – "Transportation accelerations for CPI design", Transportation analysis has been performed on critical lines to evaluate good engineering of piping support design.

Following accelerations for the sea transportation have been applied:

- Heave: a_V[g] = ±0,5 g
- Pitch: a_H[g] = ±0,7 g
- Roll: a_H[g] = ±0,7 g

4.8 VIBRATION ANALYSIS

To avoid any vibration phenomena due to AIV and/or FIV and guarantee a good engineering of piping supports design, it has been verified that all lines subjected to computer analysis have a minimum natural frequency of 4 Hz for all mode of vibrations.

Regarding small bore connections (SBC) ≤ 2", considering LOF=0.3 according to Energy Institute Guidelines the maximum piping span to avoid vibrations are as follows.

1. SBC piping support span to be applied near valve groups (with involving concentrated masses) according to Figure T3-1:
   - NPS 1" → 2 mt
   - NPS 1 ½" → 2,2 mt
   - NPS 2" → 2,5 mt

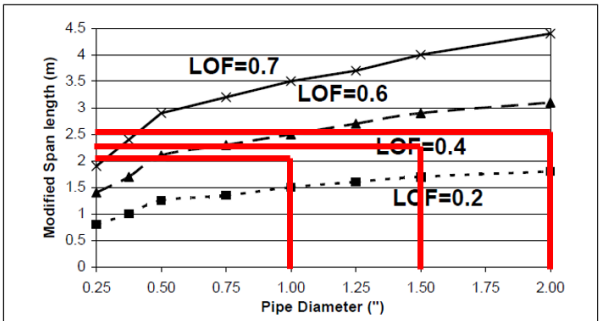


Figure T3-1 Maximum Span connected to main line and involving mass

2. SBC piping support span to be applied for straight pipe (without involving concentrated masses or valves) according to Figure T3-2:
   - NPS 1" → 3,5 mt
   - NPS 1 ½" → 4 mt
   - NPS 2" → 4,5 mt

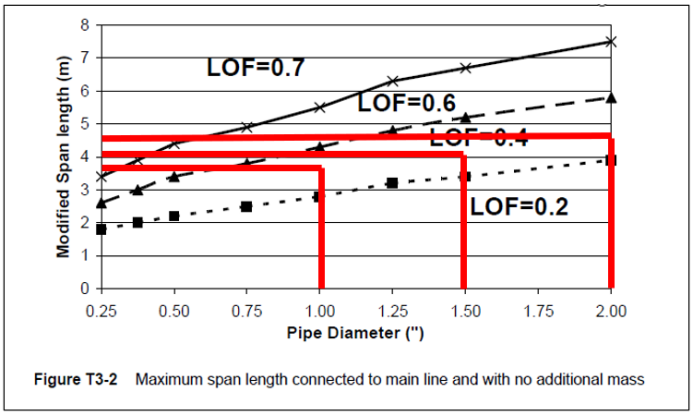


Figure T3-2 Maximum span length connected to main line and with no additional mass

5 CALCULATION METHOD

5.1 STRESS ANALYSIS CRITERIA

Stress analysis general criteria according to DEP 31.38.01.11 -Gen. –" Piping – General Requirements".

The verification is carried out using the Caesar II v.14 software (Hexagon), in accordance with the ASME B31.12 IP (Industrial Piping) standard, and includes analysis of loads, displacements, stress and deformation calculations on the piping system, applying the temperature and operating pressure and comparison with the allowable values.

The calculation model considers elements of the "Beam" type, imposing on them the operating conditions (temperature, pressure, constraints).

The piping system is stressed by its own weight, pressure, temperature.

The various elements are divided into nodes, in correspondence with which the calculation results are provided, positioned at each geometric discontinuity such as:

- Anchor fixed points
- bends
- Intersections(Tee)
- Equipment connections (nozzles)
- Supports

The position of the supports, the geometry, the diameters, the thicknesses, the properties of the materials, the weights and all the assumptions used for the mathematical model are indicated in the report extracted from software.

In particular, the analysis is conducted through the following steps:

- Calculation of the stresses on the piping system;
- Comparison of the calculated stresses with the admissible loads;
- Calculation with implementation of any corrective actions (if necessary).

5.2 COMPUTER CODE

The software used to perform the analysis is Caesar II version 14 build 14.00.00.0910.

5.3 REFERENCE SYSTEM

The reference system is oriented according to 3D Model:

- X axis: East direction (+ X);
- Y axis: North direction (+Y);
- Z axis: vertical direction, positive direction (+ Z) upwards.

5.4 COMPUTATIONAL OPTIONS

Static friction coefficients μ: 0.1 Contact Steel to PTFE.

μ: 0.3 Contact Steel to Steel.

μ: 0.5 Contact Steel to Concrete.

5.5 LOADS AND THEIR COMBINATIONS

The loads relevant for the analysis according to B31.3 Code stress are listed at previous paragraphs.

Here follows a detailed explanation of their meaning for the present analysis.

5.5.1 Load combinations descriptions

The stress and deformation analysis is conducted considering the following load conditions:

- Thermal Expansions (T) in which a temperature variation between the operating temperature and the installation temperature is considered;
- Operating conditions (W + T + P + D) in which the effect of thermal expansion due to the operating temperature, operating pressure and weights of the line components with their contents is combined;
- Sustained loads acting on the system considering the components' own weights and the design pressure (SUS = W + P);
- Occasional loads acting on the system considering the wind force and seismic acceleration (OCC = WIN or PSV forces).

5.5.2 Load Types

LOAD TYPES	
Item	**Description**
W	Pipe Weight
P1	Max. Design Pressure
PH	Test Pressure
T (T1, T2, T3, T4)	Operating and Design Temperatures (°C)
W+T+P1	Operating and Design Case Condition (OPErating)
W+T+P1+D	Operating and Design Case Condition (OPErating)
W+P1	Sustained Case Condition (SUStained)
T	Thermal Load Condition (EXPansion)
U	Sea Transportation Accelerations (OCCasional Loads)
F	PSV reaction forces (OCCasional Loads)
WIN	Wind Load (OCCasional Loads) WIN1 = Wind in +X direction WIN2 = Wind in -X direction WIN3 = Wind in +Y direction WIN4 = Wind in -Y direction

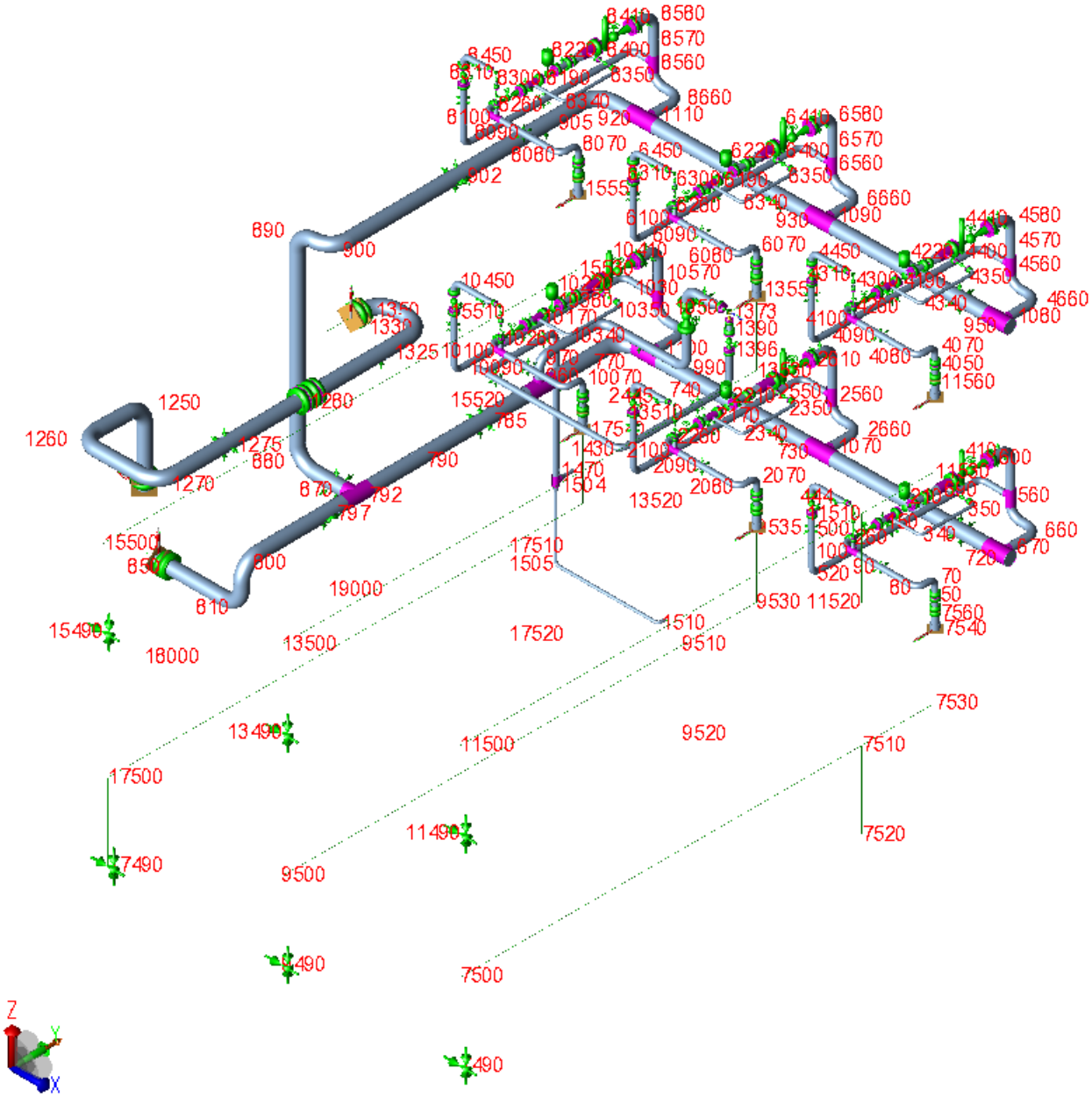
5.5.3 Load combinations

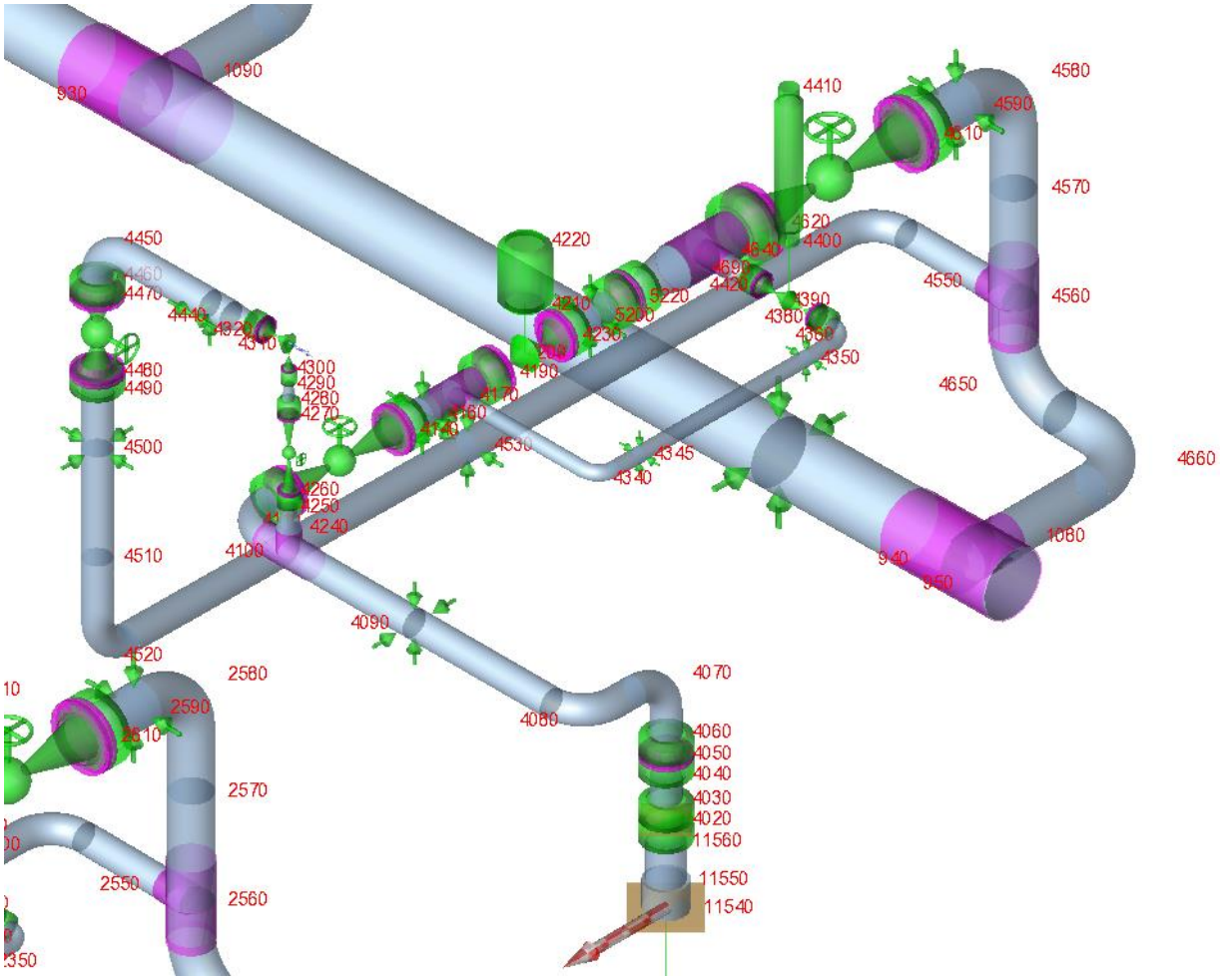
Load Nr.	Definition	Name	Stress Type
L1	W+T1+P1	OPERATING CASE WITH MAX. DESIGN TEMPERATURE T1	OPE
L2	W+P1	ALTERNATE SUSTAINED CASE FOR T1	SUS
L3	W+T2+P1	OPERATING CASE WITH MIN. AMBIENT TEMPERATURE T2	OPE
L4	W+P1	ALTERNATE SUSTAINED CASE FOR T2	SUS
L5	W+T3+P1	OPERATING CASE WITH NORM. AMBIENT TEMPERATURE T3	OPE
L6	W+P1	ALTERNATE SUSTAINED CASE FOR T3	SUS
L7	W+T4+P1	OPERATING CASE WITH SOLAR RADIATION TEMPERATURE T4	OPE
L8	W+P1	ALTERNATE SUSTAINED CASE FOR T4	SUS
L9	W+T3+P1+WIN1	OPERATING CASE WITH T3 AND WIND +X	OPE
L10	W+T3+P1+WIN2	OPERATING CASE WITH T3 AND WIND -X	OPE
L11	W+T3+P1+WIN3	OPERATING CASE WITH T3 AND WIND +Y	OPE
L12	W+T3+P1+WIN4	OPERATING CASE WITH T3 AND WIND -Y	OPE
L13	W+T3+P1+F1	OPERATING CASE WITH T3 AND PSV REACTION FORCES	OPE
L14	W+P1	SUSTAINED CASE CONDITION	SUS
L15	W+T3	OPERATING CASE FOR TRANSPORTATION	OPE
L16	W+T3+U1+U3	TRANSPORTATION CASE +HEAVE + PITCH	OPE
L17	W+T3-U1+U3	TRANSPORTATION CASE +HEAVE - PITCH	OPE
L18	W+T3+U2+U3	TRANSPORTATION CASE +HEAVE + ROLL	OPE
L19	W+T3-U2+U3	TRANSPORTATION CASE +HEAVE - ROLL	OPE
L20	W+T3+U1-U3	TRANSPORTATION CASE -HEAVE + PITCH	OPE
L21	W+T3-U1-U3	TRANSPORTATION CASE -HEAVE - PITCH	OPE
L22	W+T3+U2-U3	TRANSPORTATION CASE -HEAVE + ROLL	OPE
L23	W+T3-U2-U3	TRANSPORTATION CASE -HEAVE - ROLL	OPE
L24	L1-L14	EXPANSION CASE T1-SUS	EXP
L25	L3-L14	EXPANSION CASE T2-SUS	EXP
L26	L5-L14	EXPANSION CASE T3-SUS	EXP
L27	L7-L14	EXPANSION CASE T4-SUS	EXP
L28	L3-L7	EXPANSION STRESS RANGE T2-T4	EXP
L29	L9-L5	PURE WIND +X	OCC
L30	L10-L5	PURE WIND -X	OCC
L31	L11-L5	PURE WIND +Y	OCC
L32	L12-L5	PURE WIND -Y	OCC
L33	L13-L5	PURE PSV REACTION	OCC
L34	L16-L15	PURE TRANSP. CASE +HEAVE + PITCH	OCC
L35	L17-L15	PURE TRANSP. CASE +HEAVE - PITCH	OCC

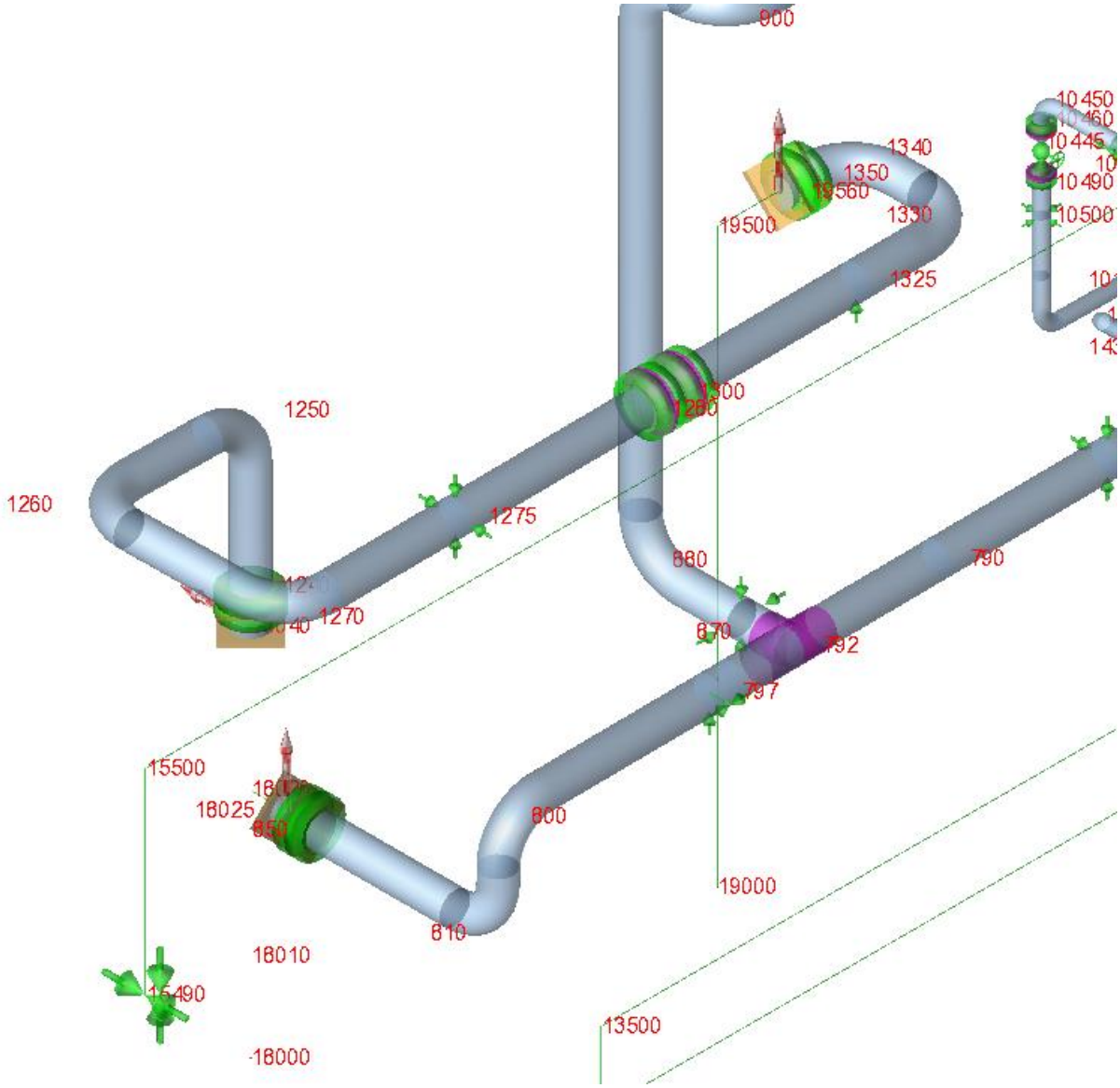
Load Nr.	Definition	Name	Stress Type
L36	L18-L15	PURE TRANSP. CASE +HEAVE + ROLL	OCC
L37	L19-L15	PURE TRANSP. CASE +HEAVE -ROLL	OCC
L38	L20-L15	PURE TRANSP. CASE -HEAVE + PITCH	OCC
L39	L21-L15	PURE TRANSP. CASE -HEAVE - PITCH	OCC
L40	L22-L15	PURE TRANSP. CASE -HEAVE + ROLL	OCC
L41	L23-L15	PURE TRANSP. CASE -HEAVE - ROLL	OCC
L42	L29+L14	PURE WIND +X + SUSTAINED	OCC
L43	L30+L14	PURE WIND -X + SUSTAINED	OCC
L44	L31+L14	PURE WIND +Y + SUSTAINED	OCC
L45	L32+L14	PURE WIND -X + SUSTAINED	OCC
L46	L33+L14	PURE PSV REACTION + SUSTAINED	OCC
L47	L34+L14	PURE TRANSP. CASE +HEAVE + PITCH + SUSTAINED	OCC
L48	L35+L14	PURE TRANSP. CASE +HEAVE - PITCH + SUSTAINED	OCC
L49	L36+L14	PURE TRANSP. CASE +HEAVE + ROLL + SUSTAINED	OCC
L50	L37+L14	PURE TRANSP. CASE +HEAVE - ROLL + SUSTAINED	OCC
L51	L38+L14	PURE TRANSP. CASE - HEAVE + PITCH + SUSTAINED	OCC
L52	L39+L14	PURE TRANSP. CASE -HEAVE - PITCH + SUSTAINED	OCC
L53	L40+L14	PURE TRANSP. CASE -HEAVE + ROLL + SUSTAINED	OCC
L54	L41+L14	PURE TRANSP. CASE -HEAVE -ROLL + SUSTAINED	OCC

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6 CAESAR MODEL




1090
930
4410
4580
4590
4610
4570
4620
4400
4640
4450
4220
4460
4470
4550
4560
4440
4430
4420
4390
4380
4360
4350
4310
4300
4290
4280
4270
4480
4490
4650
4500
4660
4345
4340
4530
4260
4250
4240
4510
4100
1080
940
950
4090
4520
2580
4070
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4050
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4030
4020
11560
2570
2550
2560
11550
11540


900
10450
10460
10445
10490
10500
1340
1350
19560
1330
19500
1325
1250
1260
1275
1270
880
790
670
792
797
15500
18025
850
800
19000
810
18010
15490
13500
18000

7 OUTPUT DATA

7.1 CODE COMPLIANCE

In the following is shown Code compliance ratio according to ASME B31.12.

For detailed results see output "CODE COMPLIANCE" in Annexes 8.1.6 e 8.1.7.

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code

LOAD CASE DEFINITION KEY

CASE 2 (Alt-SUS) W+P1
CASE 4 (Alt-SUS) W+P1
CASE 6 (Alt-SUS) W+P1
CASE 8 (Alt-SUS) W+P1
CASE 14 (SUS) W+P1
CASE 24 (EXP) L24=L1-L14
CASE 25 (EXP) L25=L3-L14
CASE 26 (EXP) L26=L5-L14
CASE 27 (EXP) L27=L7-L14
CASE 28 (EXP) L28=L3-L7
CASE 42 (OCC) L42=L29+L14
CASE 43 (OCC) L43=L30+L14
CASE 44 (OCC) L44=L31+L14
CASE 45 (OCC) L45=L32+L14
CASE 46 (OCC) L46=L33+L14
CASE 47 (OCC) L47=L34+L14
CASE 48 (OCC) L48=L35+L14
CASE 49 (OCC) L49=L36+L14
CASE 50 (OCC) L50=L37+L14
CASE 51 (OCC) L51=L38+L14
CASE 52 (OCC) L52=L39+L14
CASE 53 (OCC) L53=L40+L14
CASE 54 (OCC) L54=L41+L14

Note: For a complete breakdown of code-defined stress components, see the Stresses report.
Piping Code: B31.12-IP-19 = B31.12 IP -2019, December 20, 2019

*** CODE COMPLIANCE EVALUATION PASSED ***

Highest Stresses: (KPa)					
Ratio (%):	64.1	@Node	100	LOADCASE: 28 (EXP) L28=L3-L7	
Code Stress:	197086.4	Allowable Stress:	307478.9		
Axial Stress:	37058.2	@Node	6690	LOADCASE: 49 (OCC) L49=L36+L14	
Bending Stress:	215036.5	@Node	1490	LOADCASE: 24 (EXP) L24=L1-L14	
Torsion Stress:	76106.3	@Node	6290	LOADCASE: 24 (EXP) L24=L1-L14	
Hoop Stress:	71160.4	@Node	640	LOADCASE: 2 (Alt-SUS) W+P1	
Max Stress Intensity:	219081.6	@Node	1490	LOADCASE: 24 (EXP) L24=L1-L14	

7.2 NOZZLE CHECK

In the following table is shown a Nozzle summary as per Caesar model.

Allowable nozzle loads are in accordance with par. 4.6.

Equipment	Nozzle tag	Nozzle Diameter/rating	Node Number
Hydrogen Storage Vessel Item: V-25001 A	4N	4" - 300#	15540
Hydrogen Storage Vessel Item: V-25001 B	4N	4" - 300#	13540
Hydrogen Storage Vessel Item: V-25001 C	4N	4" - 300#	11540
Hydrogen Storage Vessel Item: V-25001 D	4N	4" - 300#	7540
Hydrogen Storage Vessel Item: V-25001 E	4N	4" - 300#	9540
Hydrogen Storage Vessel Item: V-25001 F	4N	4" - 300#	17540
Hydrogen Vent KO Drum - V-43001	N1	10" -150#	18025
Hydrogen Vent KO Drum - V-43001	N3	10" -150#	18042
Vent Q-43004	N1	10" -150#	19560

For detailed results see output "NOZZLE CHECK" in Annex 8.1.4.

Where Nozzle Check analysis is failed, WRC 107 (537) Analysis has been carried out on node 17540 (worst case), see in Annex 8.1.9.

7.3 FLANGE LEAKAGE CHECK

Flange Leakage Check has been performed with the following steps:

1. ANSI flange check with Peq Method:
    - maximum ratio 100%

2. if step 1 not passed, ANSI flange check with Peq Method considering moment factor F_M according UG-44 ASME VIII-1 Method:
    - Maximum ratio 220% for flange rating 150#
    - Maximum ratio 150% for flange rating 300#

3. if step 2 not passed, ASME Section VIII Div. 2 flange leakage method (check is applied on worst case for each flange size and rating).

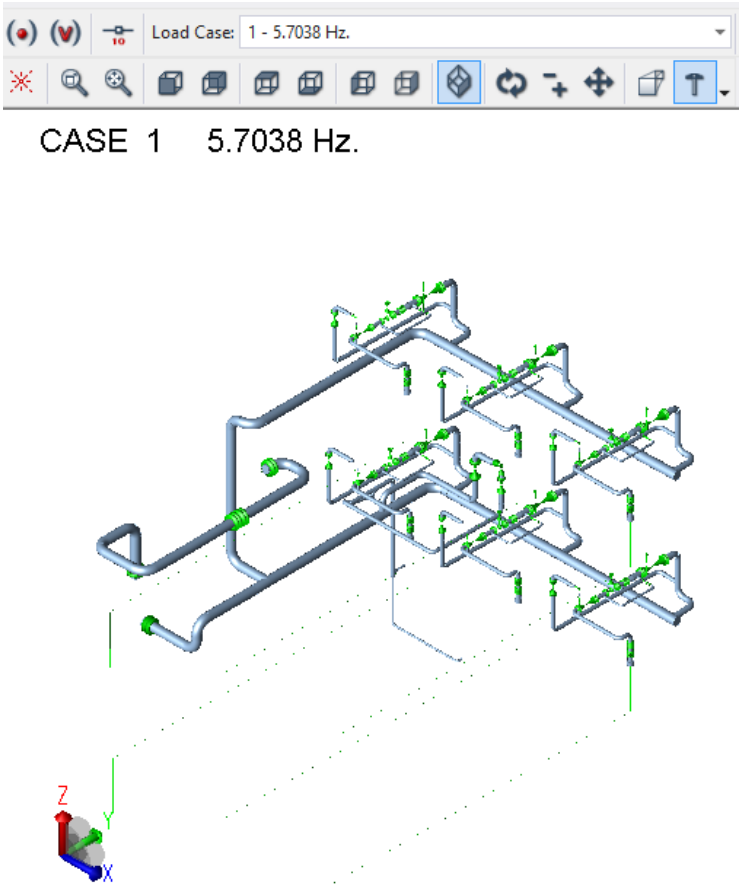
For detailed results see output "FLANGE LEAKAGE CHECK" in Annexes 8.1.8 and 8.1.10.

7.4 FREQUENCY ANALYSIS

The analysis is performed with operating temperature 25°C (load case L5: Operating Case with nominal ambient temperature T3).

As shown in the picture below, already the first mode of vibrating has a natural frequency above 4hz, so the vibration analysis is automatically verified for all other modes of vibrations.

For detailed results see output "NATURAL FREQUENCY ANALYSIS" in Annexes.



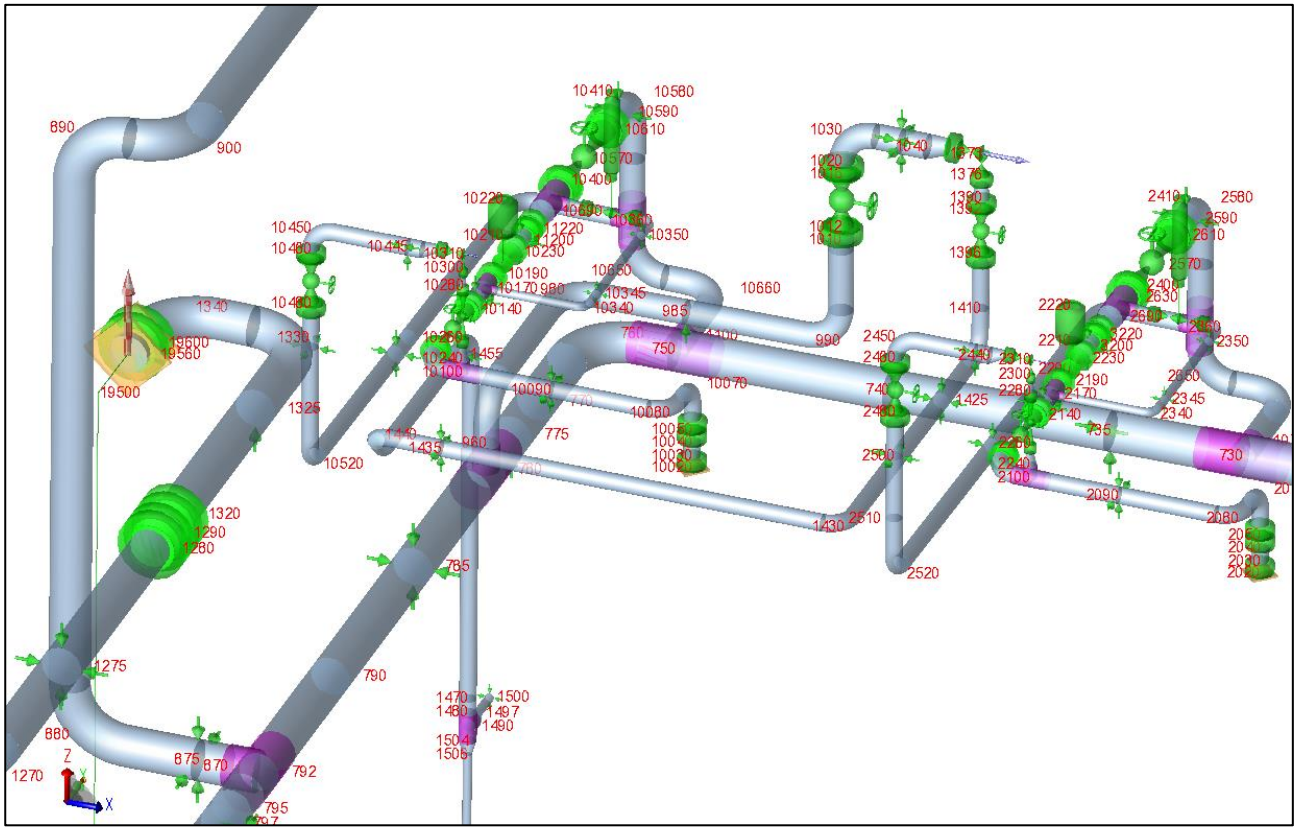
7.5 LOADS ON SUPPORTS

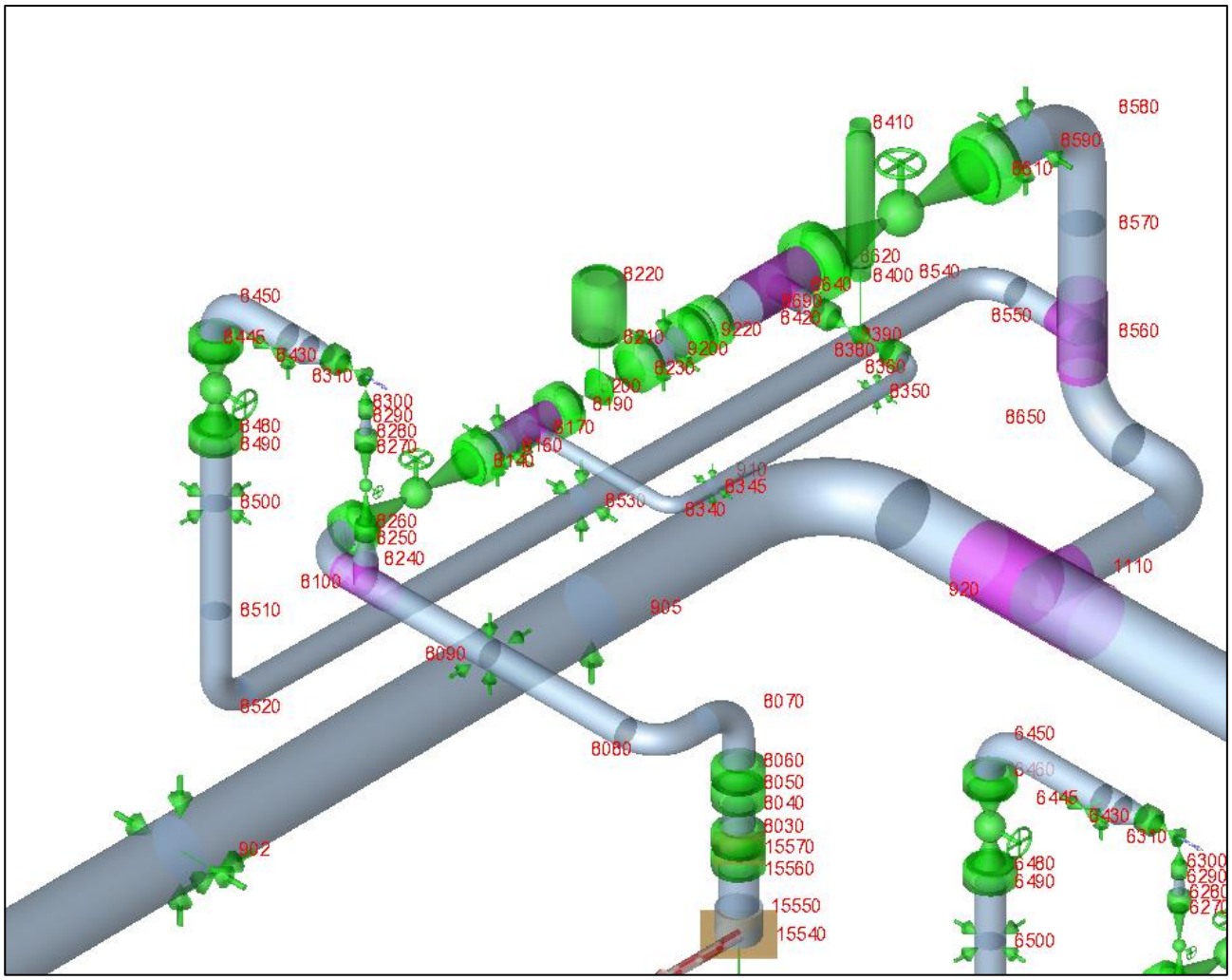
Primary and secondary piping supports have been designed according to loads acting on restraints.

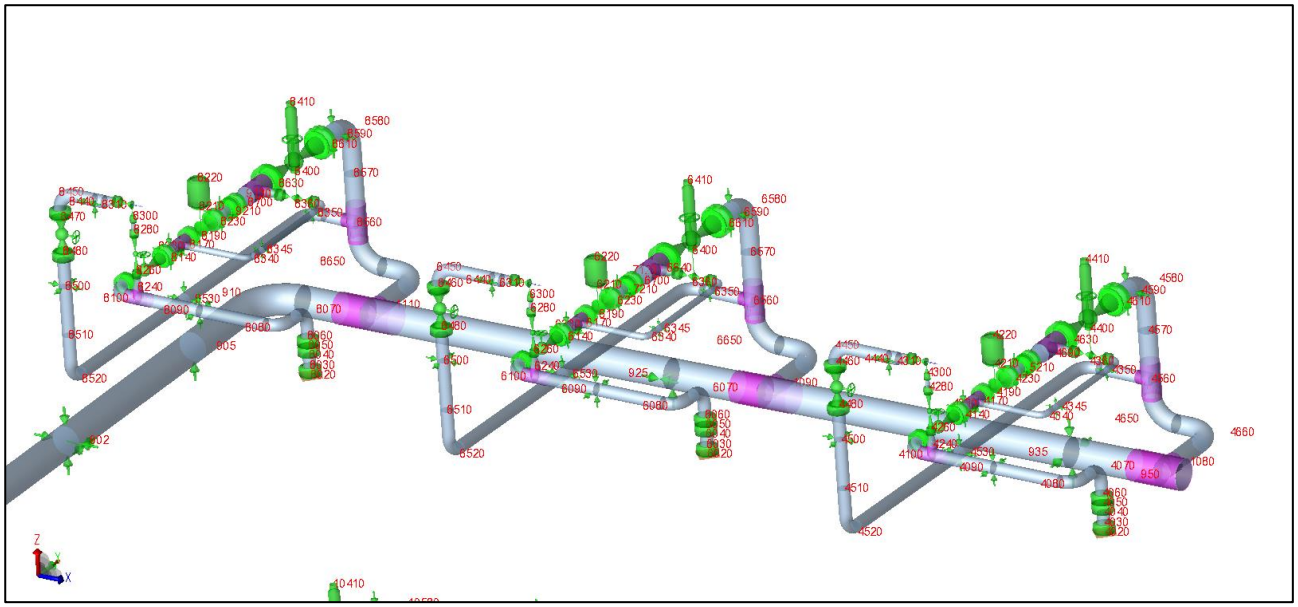
For detailed results see:

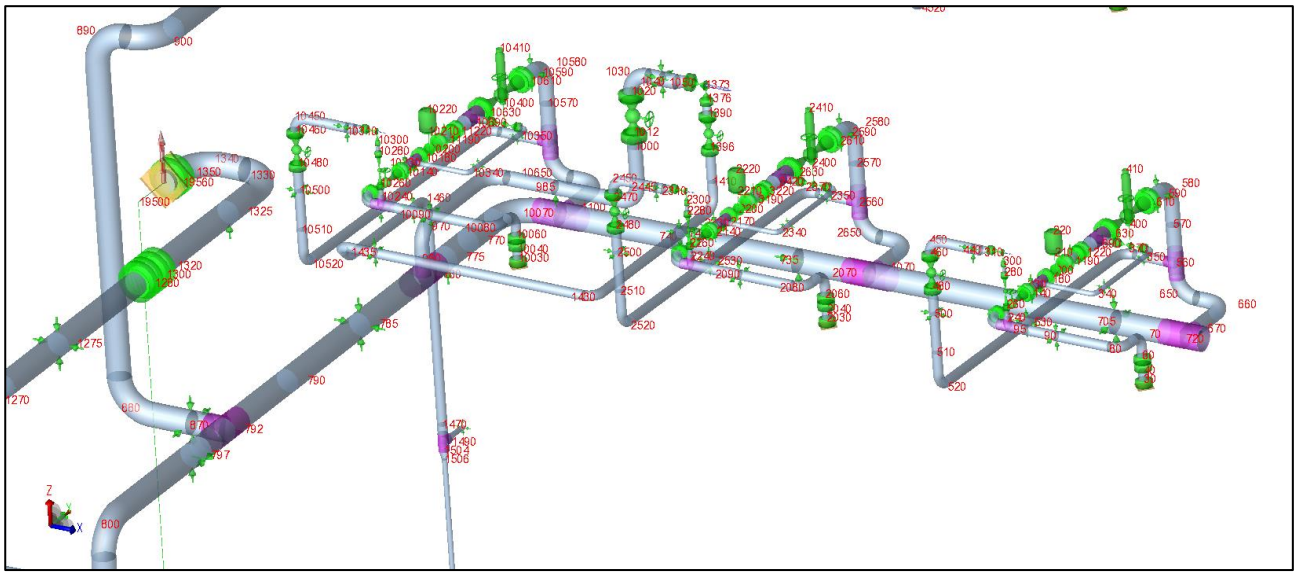
- Output "RESTRAINT SUMMARY EXTENDED" in Annex 8.1.3.
- Marked-up isometric drawings with supports type/position in the reference documents.

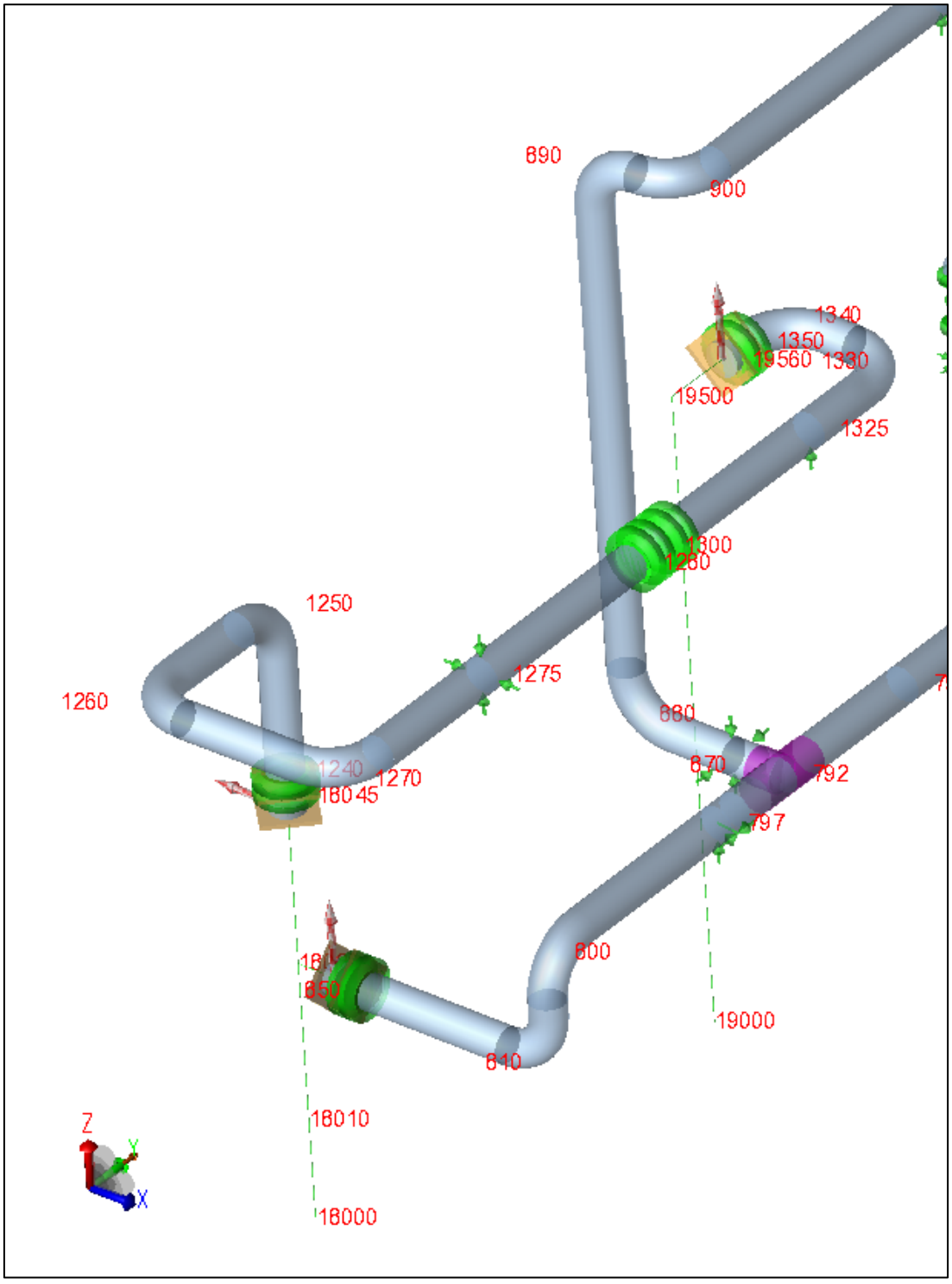
See following pictures for support type/position in the Caesar model.




8410
8580
8590
8610
8570
6620
8400
8540
8220
8640
8690
8420
8550
8560
8450
8445
8430
8310
9220
9200
8210
8230
8390
8380
8360
8350
8650
8300
8290
8280
8270
8190
8170
8160
8140
8480
8490
8500
8345
8340
8530
8260
8250
8240
8100
1110
920
905
8510
8090
8520
8070
8060
8050
8040
8030
8080
15570
15560
15550
15540
902
6450
6460
6445
6430
6310
6480
6490
6500
6300
6290
6280
6270






890
900
1340
1350
19560
1330
19500
1325
1300
1280
1250
1260
1275
860
870
792
797
1240
1270
18045
800
850
19000
840
18010
18000
Z
Y
X

7.6 CONCLUSIONS

The stresses calculated under the geometrical and load conditions described in this report are lower than the allowable according to the relevant code (ASME B31.12), so Code Compliance is verified.

Acting loads on Nozzles are lower than Allowable Nozzle Loads, so Nozzle Check is verified.

Flange leakage check is verified for all flanged connection.

All modes of vibration have a natural frequency above 4 Hz, so Vibration Analysis is verified.

Sea Transportation analysis is verified (Code Compliance respected) against ship movements accellerations, so there is no need to provide temporary supports for critical lines.

Piping Supports have been designed taking into account acting loads and types of restraints required from analysis. All restraint loads are lower than 1000 kg (10 kN), so no concentrated loads have been shared with the Civil dept.
For structural beams design it will be used Uniformly Distributed Loads (UDL) according to the doc. 123A90-DDL-ST-SP-90017 - "Structural Design Premises".

8 ANNEXES

8.1. CAESAR CALCULATION REPORTS

- 8.1.1 Input Echo
- 8.1.2 Displacement Report
- 8.1.3 Restraint Summary Extended
- 8.1.4 Nozzle Check
- 8.1.5 Natural Frequency Analysis
- 8.1.6 Code Compliance
- 8.1.7 Stress Summary
- 8.1.8 Flange Leakage Check Peq Method
- 8.1.9 WRC 107 (537) Analysis
- 8.1.10 Flange Leakage Check ASME VIII

8.2. REFERENCE DOCUMENTS

- Marked-up P&ID for critical lines
- Marked-up Isometrics for critical lines
- Marked-up Equipment GAD
- Manual and Instrumental Valves GAD

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

1 Load Cases
2 Input Echo
GENERAL

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo


 Job Description:

   PROJECT: 23ROS02 - CROSSWIND

   CLIENT : CROSSWIND

   ANALYST: COSIMO MONOPOLI

   NOTES  :

 PIPE DATA
 ------------------------------------------------------------------------------
 ------------------------------------------------------------------------------
 From  20  To  30 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    T1= 80 C   T2= -10 C   T3= 25 C   T4= 60 C   P1= 4,000.0000 KPa
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  20  ANC   Cnode  7570   Tag = /V-25001D/4N
 UNIFORM LOAD
   Vector1  in G-s  X1 Dir = .70 g's  Y1 Dir = .00 g's  Z1 Dir = .00 g's
   Vector2  in G-s  X2 Dir = .00 g's  Y2 Dir = .70 g's  Z2 Dir = .00 g's
   Vector3  in G-s  X3 Dir = .00 g's  Y3 Dir = .00 g's  Z3 Dir = .50 g's
   Vector4  in F/L  X4 Dir = .00 N./cm.  Y4 Dir = .00 N./cm.
   Z4 Dir = .00 N./cm.  Vector5  in F/L  X5 Dir = .00 N./cm.
   Y5 Dir = .00 N./cm.  Z5 Dir = .00 N./cm.  Vector6  in F/L
   X6 Dir = .00 N./cm.  Y6 Dir = .00 N./cm.  Z6 Dir = .00 N./cm.
   Vector7  in F/L  X7 Dir = .00 N./cm.  Y7 Dir = .00 N./cm.
   Z7 Dir = .00 N./cm.  Vector8  in F/L  X8 Dir = .00 N./cm.
   Y8 Dir = .00 N./cm.  Z8 Dir = .00 N./cm.  Vector9  in F/L
   X9 Dir = .00 N./cm.  Y9 Dir = .00 N./cm.  Z9 Dir = .00 N./cm.
 WIND
    Wind Shape= .800
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= 1.000
 ------------------------------------------------------------------------------
 From  30  To  40 DZ= 100.012 mm.
 ------------------------------------------------------------------------------
 From  40  To  50 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------
 From  50  To  60 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  60  To  70 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 69
    Angle/Node @2= .00 68
 ------------------------------------------------------------------------
 From  70  To  80 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 79
    Angle/Node @2= .00 78
 ------------------------------------------------------------------------
 From  80  To  90  DX= -820.000 mm.
 RESTRAINTS
    Node  90  Z   Mu = .30
    Node  90  Y   Gap= 15.000 mm.   Mu = .30
 ------------------------------------------------------------------------
 From  90  To  95  DX= -386.208 mm.
 ------------------------------------------------------------------------
 From  95  To  100  DX= -224.130 mm.
 SIF's & TEE's
    Node  100   Welding Tee   Srf.Node= 101
 ------------------------------------------------------------------------
 From  100  To  110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 109
    Angle/Node @2= .00 108
 ------------------------------------------------------------------------
 From  110  To  120 DY= 152.400 mm.
 ------------------------------------------------------------------------
 From  120  To  130 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  130  To  140 DY= 527.000 mm.
    Element Name=/BLPH-MV-423
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------
 From  140  To  150 DY= 88.900 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  150  To  160 DY= 50.000 mm.
 RESTRAINTS
    Node  160  X   Mu = .30
    Node  160  Y   Mu = .30
    Node  160  Z
 ---------------------------------------------------------------------------
 From  160  To  170 DY= 153.249 mm.
 SIF's & TEE's
    Node  170   Welding Tee   Srf.Node= 171
 ---------------------------------------------------------------------------
 From  170  To  180 DY= 104.775 mm.
 ---------------------------------------------------------------------------
 From  180  To  190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  190  To  200 DY= 152.500 mm.
    Element Name=/25-BDV-013
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  200  To  210 DZ= 209.000 mm.
    Element Name=/25-BDV-013
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  210  To  220 DZ= 267.000 mm.
    Element Name=/25-BDV-013
 RIGID  Weight= 950.00 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  200  To  230 DY= 152.500 mm.
    Element Name=/25-BDV-013
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ---------------------------------------------------------------------------
 From  100  To  240 DZ= 98.425 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.

 PIPE DATA
 ---------------------------------------------------------------------------
 From  240  To  250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ---------------------------------------------------------------------------
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  250  To  260 DZ= 68.262 mm.
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  260  To  270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-416
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.   SYC= 172,000 KPa
    SY1= 151,000 KPa   SY2= 172,000 KPa   SY3= 172,000 KPa   SY4= 157,000 KPa
    SY5= 172,000 KPa   SY6= 172,000 KPa   SY7= 172,000 KPa   SY8= 172,000 KPa
    SY9= 172,000 KPa
 ------------------------------------------------------------------------------
 From  270  To  280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  280  To  290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ------------------------------------------------------------------------------
 From  290  To  300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  300  To  310 DZ= 105.000 mm.
    Element Name=/25-PSV-001D
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  310   FX1= 881.00 N.
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ------------------------------------------------------------------------------
 From  310  To  320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001D
    Insul Thk= .000 mm.
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  170  To  330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  330  To  340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 339
    Angle/Node @2= .00 338
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  340  To  345 DY= 200.000 mm.
 RESTRAINTS
    Node  345  Z   Mu = .30
    Node  345  X   Mu = .30
 ---------------------------------------------------------------------------
 From  345  To  350 DY= 810.000 mm.
 RESTRAINTS
    Node  350  Z   Mu = .30
    Node  350  X   Mu = .30
 ---------------------------------------------------------------------------
 From  350  To  360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 359
    Angle/Node @2= .00 358
 ---------------------------------------------------------------------------
 From  360  To  370  DX= -76.200 mm.
 ---------------------------------------------------------------------------
 From  370  To  380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ---------------------------------------------------------------------------
 From  380  To  390  DX= -134.145 mm.
    Element Name=/25-PV-043
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  390  To  400 DZ= 248.000 mm.
    Element Name=/25-PV-043
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  400  To  410 DZ= 655.000 mm.
    Element Name=/25-PV-043
 RIGID  Weight= 450.00 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  390  To  420  DX= -134.145 mm.
    Element Name=/25-PV-043
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ---------------------------------------------------------------------------
 From  320  To  430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
 ---------------------------------------------------------------------------
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  430  To  440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------
 From  440  To  444  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  444  +Z   Mu = .30
    Node  444  X   Mu = .30
 ------------------------------------------------------------------------
 From  444  To  450  DX= -547.700 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 449
    Angle/Node @2= .00 451
 ------------------------------------------------------------------------
 From  450  To  460 DZ= -152.400 mm.
 ------------------------------------------------------------------------
 From  460  To  470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------
 From  470  To  480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-194
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa

 PIPE DATA
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------
 From  480  To  490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------
 From  490  To  500 DZ= -250.207 mm.
 RESTRAINTS
    Node  500  Guide   Mu = .30
 ------------------------------------------------------------------------
 From  500  To  510 DZ= -459.570 mm.
 ------------------------------------------------------------------------
 From  510  To  520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 519
    Angle/Node @2= .00 518
 ------------------------------------------------------------------------
 From  520  To  530 DY= 1,799.909 mm.  DZ= -18.137 mm.
 RESTRAINTS
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To:

Input Echo
    Node  530  X   Mu = .30
    Node  530  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  530  To  540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.993   Angle/Node @1= 45.00 539
    Angle/Node @2= .00 538
 ------------------------------------------------------------------------------
 From  540  To  550  DX= 544.513 mm.  DZ= -6.350 mm.
 ------------------------------------------------------------------------------
 From  550  To  560  DX= 130.175 mm.
 GENERAL
    P1= 350.0000 KPa
 SIF's & TEE's
    Node  560   Welding Tee   Srf.Node= 561
 ------------------------------------------------------------------------------
 From  560  To  570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  570  To  580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 579
    Angle/Node @2= .00 578
 ------------------------------------------------------------------------------
 From  580  To  590 DY= -279.100 mm.
 RESTRAINTS
    Node  590  X   Mu = .30
    Node  590  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  590  To  600 DY= -140.000 mm.
 ------------------------------------------------------------------------------
 From  600  To  610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    P1= 350.0000 KPa
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  610  To  620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-424
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  620  To  630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    P1= 4,000.0000 KPa
 RIGID  Weight= 191.27 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  630  To  640 DY= -142.875 mm.
 SIF's & TEE's
    Node  640   Welding Tee   Srf.Node= 641
 ---------------------------------------------------------------------------
 From  560  To  650 DZ= -369.887 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 649
    Angle/Node @2= .00 648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  650  To  660  DX= 611.187 mm.  DZ= -6.350 mm.
 GENERAL
    P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 659
    Angle/Node @2= .00 658
 ---------------------------------------------------------------------------
 From  660  To  670 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  670  To  680 DY= -193.675 mm.
 SIF's & TEE's
    Node  680   Welding Tee   Srf.Node= 681
 ---------------------------------------------------------------------------
 From  640  To  690 DY= -142.875 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  690  To  700 DY= -139.700 mm.
 GENERAL
    P1= 4,000.0000 KPa
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  700  To  710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
 GENERAL
    P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  680  To  720  DX= 215.900 mm.  DZ= 1.587 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 4.191 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa   Insul Thk= .000 mm.
 ALLOWABLE STRESSES

 PIPE DATA
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  680  To  705  DX= -899.956 mm.  DZ= -8.928 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 4.191 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.
 RESTRAINTS
    Node  705  Y   Mu = .30
    Node  705  Z   Mu = .30
 ---------------------------------------------------------------------------
 From  705  To  730  DX= -3,100.544 mm.  DZ= -30.759 mm.
 SIF's & TEE's
    Node  730   Welding Tee   Srf.Node= 731
 ---------------------------------------------------------------------------
 From  730  To  735  DX= -909.956 mm.  DZ= -8.921 mm.
 RESTRAINTS
    Node  735  X   Mu = .30
    Node  735  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  735  To  740  DX= -1,518.919 mm.  DZ= -14.891 mm.
 ---------------------------------------------------------------------------
 From  740  To  750  DX= -1,474.787 mm.  DZ= -14.287 mm.
 SIF's & TEE's
    Node  750   Welding Tee   Srf.Node= 751
 ---------------------------------------------------------------------------
 From  750  To  760  DX= -596.900 mm.  DZ= -6.350 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 759
    Angle/Node @2= .00 758
 ---------------------------------------------------------------------------
 From  760  To  770 DY= -931.862 mm.  DZ= -9.525 mm.
 ---------------------------------------------------------------------------
 From  770  To  775 DY= -446.976 mm.  DZ= -4.648 mm.
 RESTRAINTS
    Node  775  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  775  To  780 DY= -469.012 mm.  DZ= -4.877 mm.
 SIF's & TEE's
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  780   Welding Tee   Srf.Node= 781
 ------------------------------------------------------------------------
 From  780  To  785 DY= -1,324.932 mm.  DZ= -13.421 mm.
 RESTRAINTS
    Node  785  X   Mu = .30
    Node  785  Z   Mu = .30
 ------------------------------------------------------------------------
 From  785  To  790 DY= -1,496.056 mm.  DZ= -15.154 mm.
 ------------------------------------------------------------------------
 From  790  To  792 DY= -1,299.931 mm.  DZ= -13.385 mm.
 ------------------------------------------------------------------------
 From  792  To  795 DY= -499.973 mm.  DZ= -5.148 mm.
 ------------------------------------------------------------------------
 From  795  To  797 DY= -199.989 mm.  DZ= -2.059 mm.
 RESTRAINTS
    Node  797  +Z   Mu = .30
    Node  797  Y   Mu = .30
 ------------------------------------------------------------------------
 From  797  To  800 DY= -1,854.556 mm.  DZ= -19.096 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.410   Angle/Node @1= 44.71 799
    Angle/Node @2= .00 798
 ------------------------------------------------------------------------
 From  800  To  810 DZ= -881.000 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 809
    Angle/Node @2= .00 808
 ------------------------------------------------------------------------
 From  810  To  850  DX= -1,557.340 mm.
 ------------------------------------------------------------------------
 From  850  To  860  DX= -104.775 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 RESTRAINTS
    Node  860  ANC   Cnode  18030   Tag = /V-43001_N1
 ------------------------------------------------------------------------
 From  792  To  870  DX= -215.900 mm.
 SIF's & TEE's
    Node  792   Welding Tee
 ------------------------------------------------------------------------
 From  870  To  875  DX= -204.025 mm.
 RESTRAINTS
    Node  875  Z   Mu = .30
    Node  875  Y   Gap= 5.000 mm.   Mu = .30
 ------------------------------------------------------------------------
 From  875  To  880  DX= -885.000 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 879
    Angle/Node @2= .00 878
 ------------------------------------------------------------------------
 From  880  To  890 DZ= 4,487.862 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.401   Angle/Node @1= 44.70 889
    Angle/Node @2= .00 888
 ------------------------------------------------------------------------
 From  890  To  900  DX= 758.825 mm.  DZ= 7.937 mm.
 BEND at "TO" end
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 899
 ---------------------------------------------------------------------------
 From  900  To  902 DY= 2,793.933 mm.  DZ= 28.500 mm.
 RESTRAINTS
    Node  902  X   Mu = .30
    Node  902  Z   Mu = .30
    Node  902  Y   Mu = .30
 ---------------------------------------------------------------------------
 From  902  To  905 DY= 2,024.895 mm.  DZ= 20.655 mm.
 RESTRAINTS
    Node  905  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  905  To  910 DY= 1,149.940 mm.  DZ= 11.730 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 909
    Angle/Node @2= .00 908
 ---------------------------------------------------------------------------
 From  910  To  920  DX= 1,042.987 mm.  DZ= 11.113 mm.
 SIF's & TEE's
    Node  920   Welding Tee   Srf.Node= 921
 ---------------------------------------------------------------------------
 From  920  To  925  DX= 3,053.722 mm.  DZ= 30.271 mm.
 RESTRAINTS
    Node  925  X   Mu = .30
    Node  925  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  925  To  930  DX= 949.953 mm.  DZ= 9.417 mm.
 SIF's & TEE's
    Node  930   Welding Tee   Srf.Node= 931
 ---------------------------------------------------------------------------
 From  930  To  935  DX= 3,080.545 mm.  DZ= 30.561 mm.
 RESTRAINTS
    Node  935  Y   Mu = .30
    Node  935  Z   Mu = .30
 ---------------------------------------------------------------------------
 From  935  To  940  DX= 919.955 mm.  DZ= 9.127 mm.
 SIF's & TEE's
    Node  940   Welding Tee   Srf.Node= 941
 ---------------------------------------------------------------------------
 From  940  To  950  DX= 215.900 mm.  DZ= 1.587 mm.
 ---------------------------------------------------------------------------
 From  780  To  960 DY= -1.587 mm.  DZ= 193.675 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  960  To  970 DZ= 374.650 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.418   Angle/Node @1= 44.71 969
    Angle/Node @2= .00 968

 PIPE DATA
 ---------------------------------------------------------------------------
 From  970  To  980 DY= 1,406.525 mm.  DZ= 14.287 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 979
    Angle/Node @2= .00 978
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  980  To  985  DX= 838.703 mm.  DZ= 8.415 mm.
 RESTRAINTS
    Node  985  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  985  To  990  DX= 1,059.947 mm.  DZ= 10.635 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.425   Angle/Node @1= 44.71 989
    Angle/Node @2= .00 988
 ---------------------------------------------------------------------------
 From  990  To  1000 DZ= 675.465 mm.
 ---------------------------------------------------------------------------
 From  1000  To  1010 DZ= 76.200 mm.
 ---------------------------------------------------------------------------
 From  1010  To  1012 DZ= 92.075 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 111.21 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  1012  To  1016 DZ= 394.000 mm.
    Element Name=/BLPH-MV-005
 RIGID  Weight= 1,800.00 N.   Type=Flange Valve
 ---------------------------------------------------------------------------
 From  1016  To  1020 DZ= 92.075 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 111.21 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  1020  To  1030 DZ= 230.187 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1029
 ---------------------------------------------------------------------------
 From  1030  To  1035  DX= 407.375 mm.
 RESTRAINTS
    Node  1035  Z   Mu = .30
    Node  1035  Y   Mu = .30
    Node  1035  X   Mu = .30
 ---------------------------------------------------------------------------
 From  1035  To  1040  DX= 180.000 mm.
 ---------------------------------------------------------------------------
 From  1040  To  1045  DX= 139.700 mm.  DZ= 26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  1045  To  1050  DX= 79.375 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_150
    Insul Thk= .000 mm.
 RIGID  Weight= 71.17 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ---------------------------------------------------------------------------
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
From 730 To 1070 DY= 193.675 mm.
PIPE
Dia= 168.275 mm. Wall= 3.404 mm.
Insul Thk= .000 mm.

From 940 To 1080 DY= 193.675 mm.
PIPE
Dia= 168.275 mm. Wall= 3.404 mm.
Insul Thk= .000 mm.

From 930 To 1090 DY= 193.675 mm.
PIPE
Dia= 168.275 mm. Wall= 3.404 mm.
Insul Thk= .000 mm.

From 750 To 1100 DY= 193.675 mm.
PIPE
Dia= 168.275 mm. Wall= 3.404 mm.
Insul Thk= .000 mm.

From 920 To 1110 DY= 193.675 mm.
PIPE
Dia= 168.275 mm. Wall= 3.404 mm.
Insul Thk= .000 mm.

From 640 To 1120 DX= 123.825 mm.
PIPE
Dia= 88.900 mm. Wall= 3.048 mm.
Insul Thk= .000 mm.

From 1120 To 1130 DX= 88.900 mm.
REDUCER
Diam2= 60.325 mm. Wall2= 2.769 mm.

From 1130 To 420 DX= 73.025 mm.
PIPE
Dia= 60.325 mm. Wall= 2.769 mm. Element Name=FLANGE_FLG_300
Insul Thk= .000 mm.
RIGID Weight= 44.48 N. Type=Flange

From 230 To 1190 DY= 88.900 mm.
PIPE
Dia= 114.300 mm. Wall= 3.048 mm. Element Name=FLANGE_FLG_300
GENERAL
P1= 4,000.0000 KPa Insul Thk= .000 mm.
RIGID Weight= 115.65 N. Type=Flange

From 1190 To 1200 DY= 74.612 mm.
RESTRAINTS
Node 1200 Z Mu = .30
Node 1200 X Mu = .30

From 1200 To 1210 DY= 74.612 mm.

From 1210 To 1220 DY= 88.900 mm.
Element Name=FLANGE_FLG_300
RIGID Weight= 115.65 N. Type=Flange

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  1220  To  710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  1230  To  1240 DZ= 104.775 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_150
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 235.76 N.   Type=Flange
 RESTRAINTS
    Node  1230  ANC   Cnode  18050   Tag = /V-43001/N2
 ---------------------------------------------------------------------------
 From  1240  To  1250 DZ= 1,328.737 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 4.191 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.373   Angle/Node @1= 44.69 1249
    Angle/Node @2= .00 1248

 PIPE DATA
 ---------------------------------------------------------------------------
 From  1250  To  1260 DY= -1,450.975 mm.  DZ= 15.875 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 1259
    Angle/Node @2= .00 1258
 ---------------------------------------------------------------------------
 From  1260  To  1270  DX= 1,749.425 mm.  DZ= 17.462 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 1269
    Angle/Node @2= .00 1268
 ---------------------------------------------------------------------------
 From  1270  To  1275 DY= 1,499.922 mm.  DZ= 15.313 mm.
 RESTRAINTS
    Node  1275  Z   Mu = .30
    Node  1275  X   Mu = .30
 ---------------------------------------------------------------------------
 From  1275  To  1280 DY= 1,609.991 mm.  DZ= 16.437 mm.
 ---------------------------------------------------------------------------
 From  1280  To  1285 DY= 104.772 mm.  DZ= .800 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 302.387 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ---------------------------------------------------------------------------
 From  1285  To  1290 DY= 104.772 mm.  DZ= .800 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  1290  To  1300 DY= 22.225 mm.
 ---------------------------------------------------------------------------
 From  1300  To  1310 DY= 22.225 mm.
 ---------------------------------------------------------------------------
 From  1310  To  1315 DY= 104.772 mm.  DZ= .800 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq
 ---------------------------------------------------------------------------
 From  1315  To  1320 DY= 104.772 mm.  DZ= .800 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  1320  To  1325 DY= 1,446.391 mm.  DZ= 15.018 mm.
 RESTRAINTS
    Node  1325  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  1325  To  1330 DY= 963.898 mm.  DZ= 10.008 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 1329
    Angle/Node @2= .00 1328
 ---------------------------------------------------------------------------
 From  1330  To  1340  DX= -999.420 mm.  DZ= 10.580 mm.
 BEND at "TO" end
    Radius= 381.000 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1339
    Angle/Node @2= .00 1338
 ---------------------------------------------------------------------------
 From  1340  To  1350 DY= -381.000 mm.
 ---------------------------------------------------------------------------
 From  1350  To  1360 DY= -104.775 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 RESTRAINTS
    Node  1360  ANC   Cnode  19600   Tag = /Q-43004/N1
 ---------------------------------------------------------------------------
 From  1050  To  1373  DX= 152.000 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.   Element Name=/80-PSV-001
    Insul Thk= .000 mm.
 RIGID  Weight= 260.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  1373  To  1376 DZ= -156.000 mm.
    Element Name=/80-PSV-001
 GENERAL
    P1= 1,000.0000 KPa
 RIGID  Weight= 260.00 N.   Type=Unspecified
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 FORCES & MOMENTS
    Node  1373   FX1= 2,007.00 N.
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 111.125 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------------
 From  1376  To  1380 DZ= -73.025 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 54.49 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  1380  To  1390 DZ= -101.600 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------------
 From  1390  To  1392 DZ= -79.375 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_150
    Insul Thk= .000 mm.
 RIGID  Weight= 71.17 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  1392  To  1396 DZ= -325.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=/BLPH-MV-006
    Insul Thk= .000 mm.
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------------
 From  1396  To  1400 DZ= -79.375 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 71.17 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  1400  To  1410 DZ= -331.317 mm.
 ------------------------------------------------------------------------------
 From  1410  To  1420 DZ= -307.975 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1419
    Angle/Node @2= .00 1418
 ------------------------------------------------------------------------------
 From  1420  To  1425 DY= -706.000 mm.
 RESTRAINTS
    Node  1425  X   Mu = .30
    Node  1425  Z   Mu = .30
 ------------------------------------------------------------------------------
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  1425  To  1430 DY= -1,751.450 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1429
    Angle/Node @2= .00 1428
 ----------------------------------------------------------------------------
 From  1430  To  1435  DX= -2,775.962 mm.
 RESTRAINTS
    Node  1435  Y   Mu = .30
    Node  1435  Z   Mu = .30

 PIPE DATA
 ----------------------------------------------------------------------------
 From  1435  To  1440  DX= -480.000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1439
    Angle/Node @2= .00 1438
 ----------------------------------------------------------------------------
 From  1440  To  1450 DY= 234.950 mm.  DZ= -234.950 mm.
 BEND at "TO" end
    Radius= 154.515 mm. (user)   Bend Angle= 45.000   Angle/Node @1= 22.50 1449
    Angle/Node @2= .00 1448
 ----------------------------------------------------------------------------
 From  1450  To  1455 DY= 1,310.500 mm.
 RESTRAINTS
    Node  1455  X   Mu = .30
    Node  1455  Z   Mu = .30
 ----------------------------------------------------------------------------
 From  1455  To  1460 DY= 277.000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1459
    Angle/Node @2= .00 1458
 ----------------------------------------------------------------------------
 From  1460  To  1470 DZ= -2,690.813 mm.
 ----------------------------------------------------------------------------
 From  1470  To  1480 DZ= -101.600 mm.
 ----------------------------------------------------------------------------
 From  1480  To  1490 DZ= -105.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 SIF's & TEE's
    Node  1490   Welding Tee
 ----------------------------------------------------------------------------
 From  1490  To  1495 DY= 89.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ----------------------------------------------------------------------------
 From  1495  To  1497 DY= 101.600 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ----------------------------------------------------------------------------
 From  1497  To  1500 DY= 209.400 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  1500  Z   Mu = .30
    Node  1500  X   Mu = .30
 ------------------------------------------------------------------------
 From  1490  To  1504 DZ= -105.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  1504  To  1506 DZ= -101.600 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ------------------------------------------------------------------------
 From  1506  To  1505 DZ= -1,423.400 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1499
    Angle/Node @2= .00 1498
 ------------------------------------------------------------------------
 From  1505  To  1510  DX= 2,300.000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 1509
    Angle/Node @2= .00 1508
 ------------------------------------------------------------------------
 From  1510  To  1520 DY= 150.000 mm.
 RESTRAINTS
    Node  1520  Z   Mu = .30
    Node  1520  X   Mu = .30
    Node  1520  Y   Mu = .30
 ------------------------------------------------------------------------
 From  7490  To  7500 DZ= 1,725.000 mm.
 PIPE
    Dia= 2,888.000 mm.   Wall= 44.000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  7490  X   Mu = .30
    Node  7490  Z   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------
 From  7500  To  7510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  7510  To  7520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  7520  ANC
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  7510  To  7530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  7530  To  7535 DZ= 1,444.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  7540  To  7550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  7540  ANC   Cnode  7535   Tag = /V-25001D/4N
 EQUIPMENT LIMITS
    Nozzle Node = 7540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ---------------------------------------------------------------------------
 From  7550  To  7560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  7560  To  7570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  2020  To  2030 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  2020  ANC   Cnode  9570   Tag = /V-25001E/4N
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464

 PIPE DATA
 ---------------------------------------------------------------------------
 From  2030  To  2040 DZ= 100.012 mm.
 ---------------------------------------------------------------------------
 From  2040  To  2050 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
 From  2050  To  2060 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  2060  To  2070 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2069
    Angle/Node @2= .00 2068
 ------------------------------------------------------------------------------
 From  2070  To  2080 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2079
    Angle/Node @2= .00 2078
 ------------------------------------------------------------------------------
 From  2080  To  2090  DX= -820.000 mm.
 RESTRAINTS
    Node  2090  Z   Mu = .30
    Node  2090  Y   Gap= 15.000 mm.   Mu = .30
 ------------------------------------------------------------------------------
 From  2090  To  2100  DX= -610.338 mm.
 SIF's & TEE's
    Node  2100   Welding Tee   Srf.Node=2101
 ------------------------------------------------------------------------------
 From  2100  To  2110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2109
    Angle/Node @2= .00 2108
 ------------------------------------------------------------------------------
 From  2110  To  2120 DY= 152.400 mm.
 ------------------------------------------------------------------------------
 From  2120  To  2130 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  2130  To  2140 DY= 527.000 mm.
    Element Name=/BLPH-MV-431
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  2140  To  2150 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  2150  To  2160 DY= 50.000 mm.
 RESTRAINTS
    Node  2160  X   Mu = .30
    Node  2160  Y   Mu = .30
    Node  2160  Z
 ------------------------------------------------------------------------
 From  2160  To  2170 DY= 153.249 mm.
 SIF's & TEE's
    Node  2170   Welding Tee   Srf.Node=2171
 ------------------------------------------------------------------------
 From  2170  To  2180 DY= 104.775 mm.
 ------------------------------------------------------------------------
 From  2180  To  2190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------
 From  2190  To  2200 DY= 152.500 mm.
    Element Name=/25-BDV-016
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  2200  To  2210 DZ= 209.000 mm.
    Element Name=/25-BDV-016
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  2210  To  2220 DZ= 267.000 mm.
    Element Name=/25-BDV-016
 RIGID  Weight= 950.00 N.   Type=Flange
 ------------------------------------------------------------------------
 From  2200  To  2230 DY= 152.500 mm.
    Element Name=/25-BDV-016
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ------------------------------------------------------------------------
 From  2100  To  2240 DZ= 98.425 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  2240  To  2250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ------------------------------------------------------------------------
 From  2250  To  2260 DZ= 68.262 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  2260  To  2270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-433
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.   SYC= 172,000 KPa
    SY1= 151,000 KPa   SY2= 172,000 KPa   SY3= 172,000 KPa   SY4= 157,000 KPa
    SY5= 172,000 KPa   SY6= 172,000 KPa   SY7= 172,000 KPa   SY8= 172,000 KPa
    SY9= 172,000 KPa
 ---------------------------------------------------------------------------
 From  2270  To  2280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  2280  To  2290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ---------------------------------------------------------------------------
 From  2290  To  2300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange

 PIPE DATA
 ---------------------------------------------------------------------------
 From  2300  To  2310 DZ= 105.000 mm.
    Element Name=/25-PSV-001E
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  2310   FX1= 881.00 N.
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ---------------------------------------------------------------------------
 From  2310  To  2320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001E
    Insul Thk= .000 mm.
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  2170  To  2330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  2330  To  2340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2339
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Angle/Node @2= .00 2338
 ------------------------------------------------------------------------------
 From  2340  To  2345 DY= 200.000 mm.
 RESTRAINTS
    Node  2345  Z   Mu = .30
    Node  2345  X   Mu = .30
 ------------------------------------------------------------------------------
 From  2345  To  2350 DY= 810.000 mm.
 RESTRAINTS
    Node  2350  Z   Mu = .30
    Node  2350  X   Mu = .30
 ------------------------------------------------------------------------------
 From  2350  To  2360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2359
    Angle/Node @2= .00 2358
 ------------------------------------------------------------------------------
 From  2360  To  2370  DX= -76.200 mm.
 ------------------------------------------------------------------------------
 From  2370  To  2380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ------------------------------------------------------------------------------
 From  2380  To  2390  DX= -134.145 mm.
    Element Name=/25-PV-046
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  2390  To  2400 DZ= 248.000 mm.
    Element Name=/25-PV-046
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  2400  To  2410 DZ= 655.000 mm.
    Element Name=/25-PV-046
 RIGID  Weight= 450.00 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  2390  To  2420  DX= -134.145 mm.
    Element Name=/25-PV-046
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ------------------------------------------------------------------------------
 From  2320  To  2430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  2430  To  2440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  2440  To  2445  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  2445  X
    Node  2445  +Z   Mu = .30
 ---------------------------------------------------------------------------
 From  2445  To  2450  DX= -547.700 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2449
    Angle/Node @2= .00 2451
 ---------------------------------------------------------------------------
 From  2450  To  2460 DZ= -152.400 mm.
 ---------------------------------------------------------------------------
 From  2460  To  2470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  2470  To  2480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-196
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ---------------------------------------------------------------------------
 From  2480  To  2490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  2490  To  2500 DZ= -250.207 mm.
 RESTRAINTS
    Node  2500  Guide   Mu = .30
 ---------------------------------------------------------------------------
 From  2500  To  2510 DZ= -459.570 mm.
 ---------------------------------------------------------------------------
 From  2510  To  2520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 2519
    Angle/Node @2= .00 2518
 ---------------------------------------------------------------------------
 From  2520  To  2530 DY= 1,799.909 mm.  DZ= -18.137 mm.
 RESTRAINTS
    Node  2530  X   Mu = .30
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  2530  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  2530  To  2540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.993   Angle/Node @1= 45.00 2539
    Angle/Node @2= .00 2538
 ------------------------------------------------------------------------------
 From  2540  To  2550  DX= 544.513 mm.  DZ= -6.350 mm.

 PIPE DATA
 ------------------------------------------------------------------------------
 From  2550  To  2560  DX= 130.175 mm.
 SIF's & TEE's
    Node  2560   Welding Tee   Srf.Node=2561
 ------------------------------------------------------------------------------
 From  2560  To  2570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  2570  To  2580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 2579
    Angle/Node @2= .00 2578
 ------------------------------------------------------------------------------
 From  2580  To  2590 DY= -279.100 mm.
 RESTRAINTS
    Node  2590  X   Mu = .30
    Node  2590  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  2590  To  2600 DY= -140.000 mm.
 ------------------------------------------------------------------------------
 From  2600  To  2610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  2610  To  2620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-432
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  2620  To  2630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------
 From  2630  To  2640 DY= -142.875 mm.
 SIF's & TEE's
    Node  2640   Welding Tee   Srf.Node=2641
 ------------------------------------------------------------------------
 From  2560  To  2650 DZ= -369.887 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 2649
    Angle/Node @2= .00 2648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------
 From  2650  To  2660  DX= 611.187 mm.  DZ= -6.350 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 2659
    Angle/Node @2= .00 2658
 ------------------------------------------------------------------------
 From  2660  To  1070 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  2640  To  2690 DY= -142.875 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Cor= .0000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------
 From  2690  To  2700 DY= -139.700 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------
 From  2700  To  2710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  2640  To  3120  DX= 123.825 mm.
 PIPE
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Dia= 88.900 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  3120  To  3130  DX= 88.900 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ------------------------------------------------------------------------------
 From  3130  To  2420  DX= 73.025 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 44.48 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  2230  To  3190 DY= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  3190  To  3200 DY= 74.612 mm.
 RESTRAINTS
    Node  3200  Z   Mu = .30
    Node  3200  X   Mu = .30
 ------------------------------------------------------------------------------
 From  3200  To  3210 DY= 74.612 mm.
 ------------------------------------------------------------------------------
 From  3210  To  3220 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  3220  To  2710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq

 PIPE DATA
 ------------------------------------------------------------------------------
 From  9490  To  9500 DZ= 1,725.000 mm.
 PIPE
    Dia= 2,888.000 mm.   Wall= 44.000 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  9490  Z   Mu = .30
    Node  9490  X   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  9500  To  9510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  9510  To  9520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  9520  ANC
 ---------------------------------------------------------------------------
 From  9510  To  9530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  9530  To  9535 DZ= 1,444.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  9540  To  9550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  9540  ANC   Cnode  9535   Tag = /V-25001E/4N
 EQUIPMENT LIMITS
    Nozzle Node = 9540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ---------------------------------------------------------------------------
 From  9550  To  9560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  9560  To  9570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4020  To  4030 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  4020  ANC   Cnode  11570   Tag = /V-25001C/4N
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  4030  To  4040 DZ= 100.012 mm.
 ---------------------------------------------------------------------------
 From  4040  To  4050 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  4050  To  4060 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4060  To  4070 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4069
    Angle/Node @2= .00 4068
 ---------------------------------------------------------------------------
 From  4070  To  4080 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4079
    Angle/Node @2= .00 4078
 ---------------------------------------------------------------------------
 From  4080  To  4090  DX= -820.000 mm.
 RESTRAINTS
    Node  4090  Z   Mu = .30
    Node  4090  Y   Gap= 15.000 mm.   Mu = .30
 ---------------------------------------------------------------------------
 From  4090  To  4100  DX= -610.338 mm.
 SIF's & TEE's
    Node  4100   Welding Tee   Srf.Node=4101
 ---------------------------------------------------------------------------
 From  4100  To  4110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4109
    Angle/Node @2= .00 4108
 ---------------------------------------------------------------------------
 From  4110  To  4120 DY= 152.400 mm.
 ---------------------------------------------------------------------------
 From  4120  To  4130 DY= 88.900 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4130  To  4140 DY= 527.000 mm.
    Element Name=/BLPH-MV-387
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  4140  To  4150 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4150  To  4160 DY= 50.000 mm.
 RESTRAINTS
    Node  4160  X   Mu = .30
    Node  4160  Y   Mu = .30
    Node  4160  Z

 PIPE DATA
 ---------------------------------------------------------------------------
 From  4160  To  4170 DY= 153.249 mm.
 SIF's & TEE's
    Node  4170   Welding Tee   Srf.Node=4171
 ---------------------------------------------------------------------------
 From  4170  To  4180 DY= 104.775 mm.
 ---------------------------------------------------------------------------
 From  4180  To  4190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  4190  To  4200 DY= 152.500 mm.
    Element Name=/25-BDV-010
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  4200  To  4210 DZ= 209.000 mm.
    Element Name=/25-BDV-010
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  4210  To  4220 DZ= 267.000 mm.
    Element Name=/25-BDV-010
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RIGID  Weight= 950.00 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4200  To  4230 DY= 152.500 mm.
    Element Name=/25-BDV-010
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ---------------------------------------------------------------------------
 From  4100  To  4240 DZ= 98.425 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  4240  To  4250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ---------------------------------------------------------------------------
 From  4250  To  4260 DZ= 68.262 mm.
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4260  To  4270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-389
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
 ---------------------------------------------------------------------------
 From  4270  To  4280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4280  To  4290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ---------------------------------------------------------------------------
 From  4290  To  4300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4300  To  4310 DZ= 105.000 mm.
    Element Name=/25-PSV-001C
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  4310   FX1= 881.00 N.
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ---------------------------------------------------------------------------
 From  4310  To  4320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001C
    Insul Thk= .000 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  4170  To  4330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  4330  To  4340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4339
    Angle/Node @2= .00 4338
 ---------------------------------------------------------------------------
 From  4340  To  4345 DY= 200.000 mm.
 RESTRAINTS
    Node  4345  Z   Mu = .30
    Node  4345  X   Mu = .30
 ---------------------------------------------------------------------------
 From  4345  To  4350 DY= 810.000 mm.
 RESTRAINTS
    Node  4350  Z   Mu = .30
    Node  4350  X   Mu = .30
 ---------------------------------------------------------------------------
 From  4350  To  4360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4359
    Angle/Node @2= .00 4358
 ---------------------------------------------------------------------------
 From  4360  To  4370  DX= -76.200 mm.
 ---------------------------------------------------------------------------
 From  4370  To  4380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ---------------------------------------------------------------------------
 From  4380  To  4390  DX= -134.145 mm.
    Element Name=/25-PV-040
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  4390  To  4400 DZ= 248.000 mm.
    Element Name=/25-PV-040
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  4400  To  4410 DZ= 655.000 mm.
    Element Name=/25-PV-040
 RIGID  Weight= 450.00 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4390  To  4420  DX= -134.145 mm.
    Element Name=/25-PV-040
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ---------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  4320  To  4430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa

 PIPE DATA
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
 ------------------------------------------------------------------------------
 From  4430  To  4440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------------
 From  4440  To  4445  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  4445  +Z   Mu = .30
    Node  4445  X   Mu = .30
 ------------------------------------------------------------------------------
 From  4445  To  4450  DX= -547.700 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4449
    Angle/Node @2= .00 4451
 ------------------------------------------------------------------------------
 From  4450  To  4460 DZ= -152.400 mm.
 ------------------------------------------------------------------------------
 From  4460  To  4470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  4470  To  4480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-191
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------------
 From  4480  To  4490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  4490  To  4500 DZ= -250.207 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RESTRAINTS
    Node  4500  Guide   Mu = .30
 ------------------------------------------------------------------------------
 From  4500  To  4510 DZ= -459.570 mm.
 ------------------------------------------------------------------------------
 From  4510  To  4520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 4519
    Angle/Node @2= .00 4518
 ------------------------------------------------------------------------------
 From  4520  To  4530 DY= 1,799.909 mm.  DZ= -18.137 mm.
 RESTRAINTS
    Node  4530  X   Mu = .30
    Node  4530  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  4530  To  4540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.993   Angle/Node @1= 45.00 4539
    Angle/Node @2= .00 4538
 ------------------------------------------------------------------------------
 From  4540  To  4550  DX= 544.513 mm.  DZ= -6.350 mm.
 ------------------------------------------------------------------------------
 From  4550  To  4560  DX= 130.175 mm.
 SIF's & TEE's
    Node  4560   Welding Tee   Srf.Node=4561
 ------------------------------------------------------------------------------
 From  4560  To  4570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  4570  To  4580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 4579
    Angle/Node @2= .00 4578
 ------------------------------------------------------------------------------
 From  4580  To  4590 DY= -279.100 mm.
 RESTRAINTS
    Node  4590  X   Mu = .30
    Node  4590  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  4590  To  4600 DY= -140.000 mm.
 ------------------------------------------------------------------------------
 From  4600  To  4610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  4610  To  4620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-388
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------
 From  4620  To  4630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------
 From  4630  To  4640 DY= -142.875 mm.
 SIF's & TEE's
    Node  4640   Welding Tee   Srf.Node=4641
 ------------------------------------------------------------------------
 From  4560  To  4650 DZ= -369.887 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 4649
    Angle/Node @2= .00 4648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------
 From  4650  To  4660  DX= 611.187 mm.  DZ= -6.350 mm.
 GENERAL
    P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 4659
    Angle/Node @2= .00 4658
 ------------------------------------------------------------------------
 From  4660  To  1080 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.

 PIPE DATA
 ------------------------------------------------------------------------
 From  4640  To  4690 DY= -142.875 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Cor= .0000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  4690  To  4700 DY= -139.700 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  4700  To  4710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4640  To  5120  DX= 123.825 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  5120  To  5130  DX= 88.900 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ---------------------------------------------------------------------------
 From  5130  To  4420  DX= 73.025 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 44.48 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  4230  To  5190 DY= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  5190  To  5200 DY= 74.612 mm.
 RESTRAINTS
    Node  5200  Z   Mu = .30
    Node  5200  X   Mu = .30
 ---------------------------------------------------------------------------
 From  5200  To  5210 DY= 74.612 mm.
 ---------------------------------------------------------------------------
 From  5210  To  5220 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  5220  To  4710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq
 ------------------------------------------------------------------------------
 From  11490  To  11500 DZ= 1,725.000 mm.
 PIPE
    Dia= 2,888.000 mm.   Wall= 44.000 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  11490  Z   Mu = .30
    Node  11490  X   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------------
 From  11500  To  11510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  11510  To  11520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  11520  ANC
 ------------------------------------------------------------------------------
 From  11510  To  11530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  11530  To  11535 DZ= 1,444.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  11540  To  11550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  11540  ANC   Cnode  11535   Tag = /V-25001C/4N
 EQUIPMENT LIMITS
    Nozzle Node = 11540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ------------------------------------------------------------------------------
 From  11550  To  11560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  11560  To  11570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6020  To  6030 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  6020  ANC   Cnode  13570   Tag = /V-25001B/4N
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464

 PIPE DATA
 ---------------------------------------------------------------------------
 From  6030  To  6040 DZ= 100.012 mm.
 ---------------------------------------------------------------------------
 From  6040  To  6050 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  6050  To  6060 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6060  To  6070 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6069
    Angle/Node @2= .00 6068
 ---------------------------------------------------------------------------
 From  6070  To  6080 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6079
    Angle/Node @2= .00 6078
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  6080  To  6090  DX= -820.000 mm.
 RESTRAINTS
    Node  6090  Z   Mu = .30
    Node  6090  Y   Gap= 15.000 mm.   Mu = .30
 ---------------------------------------------------------------------------
 From  6090  To  6100  DX= -610.338 mm.
 SIF's & TEE's
    Node  6100   Welding Tee   Srf.Node=6101
 ---------------------------------------------------------------------------
 From  6100  To  6110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6109
    Angle/Node @2= .00 6108
 ---------------------------------------------------------------------------
 From  6110  To  6120 DY= 152.400 mm.
 ---------------------------------------------------------------------------
 From  6120  To  6130 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6130  To  6140 DY= 527.000 mm.
    Element Name=/BLPH-MV-222
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  6140  To  6150 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6150  To  6160 DY= 50.000 mm.
 RESTRAINTS
    Node  6160  X   Mu = .30
    Node  6160  Y   Mu = .30
    Node  6160  Z
 ---------------------------------------------------------------------------
 From  6160  To  6170 DY= 153.249 mm.
 SIF's & TEE's
    Node  6170   Welding Tee   Srf.Node=6171
 ---------------------------------------------------------------------------
 From  6170  To  6180 DY= 104.775 mm.
 ---------------------------------------------------------------------------
 From  6180  To  6190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  6190  To  6200 DY= 152.500 mm.
    Element Name=/25-BDV-007
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  6200  To  6210 DZ= 209.000 mm.
    Element Name=/25-BDV-007
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  6210  To  6220 DZ= 267.000 mm.
    Element Name=/25-BDV-007
 RIGID  Weight= 950.00 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6200  To  6230 DY= 152.500 mm.
    Element Name=/25-BDV-007
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ---------------------------------------------------------------------------
 From  6100  To  6240 DZ= 98.425 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  6240  To  6250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ---------------------------------------------------------------------------
 From  6250  To  6260 DZ= 68.262 mm.
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6260  To  6270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-266
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
 ---------------------------------------------------------------------------
 From  6270  To  6280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6280  To  6290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ---------------------------------------------------------------------------
 From  6290  To  6300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6300  To  6310 DZ= 105.000 mm.
    Element Name=/25-PSV-001B
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  6310   FX1= 881.00 N.
 FLANGES

 PIPE DATA
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ---------------------------------------------------------------------------
 From  6310  To  6320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001B
    Insul Thk= .000 mm.
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  6170  To  6330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  6330  To  6340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6339
    Angle/Node @2= .00 6338
 ---------------------------------------------------------------------------
 From  6340  To  6345 DY= 200.000 mm.
 RESTRAINTS
    Node  6345  Z   Mu = .30
    Node  6345  X   Mu = .30
 ---------------------------------------------------------------------------
 From  6345  To  6350 DY= 810.000 mm.
 RESTRAINTS
    Node  6350  Z   Mu = .30
    Node  6350  X   Mu = .30
 ---------------------------------------------------------------------------
 From  6350  To  6360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6359
    Angle/Node @2= .00 6358
 ---------------------------------------------------------------------------
 From  6360  To  6370  DX= -76.200 mm.
 ---------------------------------------------------------------------------
 From  6370  To  6380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ---------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  6380  To  6390  DX= -134.145 mm.
    Element Name=/25-PV-037
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  6390  To  6400 DZ= 248.000 mm.
    Element Name=/25-PV-037
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  6400  To  6410 DZ= 655.000 mm.
    Element Name=/25-PV-037
 RIGID  Weight= 450.00 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  6390  To  6420  DX= -134.145 mm.
    Element Name=/25-PV-037
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ------------------------------------------------------------------------------
 From  6320  To  6430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
 ------------------------------------------------------------------------------
 From  6430  To  6440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------------
 From  6440  To  6445  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  6445  +Z   Mu = .30
    Node  6445  X   Mu = .30
 ------------------------------------------------------------------------------
 From  6445  To  6450  DX= -547.700 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6449
    Angle/Node @2= .00 6451
 ------------------------------------------------------------------------------
 From  6450  To  6460 DZ= -152.400 mm.
 ------------------------------------------------------------------------------
 From  6460  To  6470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  6470  To  6480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-201
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------------
 From  6480  To  6490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  6490  To  6500 DZ= -250.207 mm.
 RESTRAINTS
    Node  6500  Guide   Mu = .30
 ------------------------------------------------------------------------------
 From  6500  To  6510 DZ= -459.570 mm.
 ------------------------------------------------------------------------------
 From  6510  To  6520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 6519
    Angle/Node @2= .00 6518
 ------------------------------------------------------------------------------
 From  6520  To  6530 DY= 1,799.909 mm.  DZ= -18.137 mm.
 RESTRAINTS
    Node  6530  X   Mu = .30
    Node  6530  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  6530  To  6540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.993   Angle/Node @1= 45.00 6539
    Angle/Node @2= .00 6538
 ------------------------------------------------------------------------------
 From  6540  To  6550  DX= 544.513 mm.  DZ= -6.350 mm.
 ------------------------------------------------------------------------------
 From  6550  To  6560  DX= 130.175 mm.
 SIF's & TEE's
    Node  6560   Welding Tee   Srf.Node=6561

 PIPE DATA
 ------------------------------------------------------------------------------
 From  6560  To  6570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  6570  To  6580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 6579
    Angle/Node @2= .00 6578
 ------------------------------------------------------------------------------
 From  6580  To  6590 DY= -279.100 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RESTRAINTS
    Node  6590  X   Mu = .30
    Node  6590  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  6590  To  6600 DY= -140.000 mm.
 ------------------------------------------------------------------------------
 From  6600  To  6610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  6610  To  6620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-264
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
 From  6620  To  6630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  6630  To  6640 DY= -142.875 mm.
 SIF's & TEE's
    Node  6640   Welding Tee   Srf.Node=6641
 ------------------------------------------------------------------------------
 From  6560  To  6650 DZ= -369.887 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 6649
    Angle/Node @2= .00 6648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------------
 From  6650  To  6660  DX= 611.187 mm.  DZ= -6.350 mm.
 GENERAL
    P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 6659
    Angle/Node @2= .00 6658
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  6660  To  1090 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  6640  To  6690 DY= -142.875 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Cor= .0000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  6690  To  6700 DY= -139.700 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  6700  To  6710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6640  To  7120  DX= 123.825 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  7120  To  7130  DX= 88.900 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ---------------------------------------------------------------------------
 From  7130  To  6420  DX= 73.025 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 44.48 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  6230  To  7190 DY= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  7190  To  7200 DY= 74.612 mm.
 RESTRAINTS
    Node  7200  Z   Mu = .30
    Node  7200  X   Mu = .30
 ------------------------------------------------------------------------
 From  7200  To  7210 DY= 74.612 mm.
 ------------------------------------------------------------------------
 From  7210  To  7220 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  7220  To  6710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq

 PIPE DATA
 ------------------------------------------------------------------------
 From  13490  To  13500 DZ= 1,725.000 mm.
 PIPE
    Dia= 2,888.000 mm.   Wall= 44.000 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  13490  Z   Mu = .30
    Node  13490  X   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------
 From  13500  To  13510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  13510  To  13520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  13520  ANC
 ------------------------------------------------------------------------
 From  13510  To  13530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  13530  To  13535 DZ= 1,444.000 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  13540  To  13550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  13540  ANC   Cnode  13535   Tag = /V-25001B/4N
 EQUIPMENT LIMITS
    Nozzle Node = 13540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ---------------------------------------------------------------------------
 From  13550  To  13560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  13560  To  13570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8020  To  8030 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  8020  ANC   Cnode  15570   Tag = /V-25001A/4N
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  8030  To  8040 DZ= 100.012 mm.
 ---------------------------------------------------------------------------
 From  8040  To  8050 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  8050  To  8060 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8060  To  8070 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8069
    Angle/Node @2= .00 8068
 ---------------------------------------------------------------------------
 From  8070  To  8080 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8079
    Angle/Node @2= .00 8078
 ---------------------------------------------------------------------------
 From  8080  To  8090  DX= -820.000 mm.
 RESTRAINTS
    Node  8090  Z   Mu = .30
    Node  8090  Y   Gap= 15.000 mm.   Mu = .30
 ---------------------------------------------------------------------------
 From  8090  To  8100  DX= -610.338 mm.
 SIF's & TEE's
    Node  8100   Welding Tee   Srf.Node=8101
 ---------------------------------------------------------------------------
 From  8100  To  8110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8109
    Angle/Node @2= .00 8108
 ---------------------------------------------------------------------------
 From  8110  To  8120 DY= 152.400 mm.
 ---------------------------------------------------------------------------
 From  8120  To  8130 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8130  To  8140 DY= 527.000 mm.
    Element Name=/BLPH-MV-034
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  8140  To  8150 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8150  To  8160 DY= 50.000 mm.
 RESTRAINTS
    Node  8160  X   Mu = .30
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  8160  Y   Mu = .30
    Node  8160  Z

 PIPE DATA
 ------------------------------------------------------------------------
 From  8160  To  8170 DY= 153.249 mm.
 SIF's & TEE's
    Node  8170   Welding Tee   Srf.Node=8171
 ------------------------------------------------------------------------
 From  8170  To  8180 DY= 104.775 mm.
 ------------------------------------------------------------------------
 From  8180  To  8190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------
 From  8190  To  8200 DY= 152.500 mm.
    Element Name=/25-BDV-005
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  8200  To  8210 DZ= 209.000 mm.
    Element Name=/25-BDV-005
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  8210  To  8220 DZ= 267.000 mm.
    Element Name=/25-BDV-005
 RIGID  Weight= 950.00 N.   Type=Flange
 ------------------------------------------------------------------------
 From  8200  To  8230 DY= 152.500 mm.
    Element Name=/25-BDV-005
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ------------------------------------------------------------------------
 From  8100  To  8240 DZ= 98.425 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  8240  To  8250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ------------------------------------------------------------------------
 From  8250  To  8260 DZ= 68.262 mm.
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  8260  To  8270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-032
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
 ------------------------------------------------------------------------
 From  8270  To  8280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ------------------------------------------------------------------------
 From  8280  To  8290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ------------------------------------------------------------------------
 From  8290  To  8300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange
 ------------------------------------------------------------------------
 From  8300  To  8310 DZ= 105.000 mm.
    Element Name=/25-PSV-001A
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  8310   FX1= 881.00 N.
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ------------------------------------------------------------------------
 From  8310  To  8320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001A
    Insul Thk= .000 mm.
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  8170  To  8330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  8330  To  8340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8339
    Angle/Node @2= .00 8338
 ------------------------------------------------------------------------
 From  8340  To  8345 DY= 200.000 mm.
 RESTRAINTS
    Node  8345  Z   Mu = .30
    Node  8345  X   Mu = .30
 ------------------------------------------------------------------------
 From  8345  To  8350 DY= 810.000 mm.
 RESTRAINTS
    Node  8350  Z   Mu = .30
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  8350  X   Mu = .30
 ------------------------------------------------------------------------------
 From  8350  To  8360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8359
    Angle/Node @2= .00 8358
 ------------------------------------------------------------------------------
 From  8360  To  8370  DX= -76.200 mm.
 ------------------------------------------------------------------------------
 From  8370  To  8380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ------------------------------------------------------------------------------
 From  8380  To  8390  DX= -134.145 mm.
    Element Name=/25-PV-035
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  8390  To  8400 DZ= 248.000 mm.
    Element Name=/25-PV-035
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  8400  To  8410 DZ= 655.000 mm.
    Element Name=/25-PV-035
 RIGID  Weight= 450.00 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  8390  To  8420  DX= -134.145 mm.
    Element Name=/25-PV-035
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ------------------------------------------------------------------------------
 From  8320  To  8430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa

 PIPE DATA
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
 ------------------------------------------------------------------------------
 From  8430  To  8440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ------------------------------------------------------------------------------
 From  8440  To  8445  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  8445  +Z   Mu = .30
    Node  8445  X   Mu = .30
 ------------------------------------------------------------------------------
 From  8445  To  8450  DX= -354.815 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8449
    Angle/Node @2= .00 8451
 ------------------------------------------------------------------------------
 From  8450  To  8460 DZ= -152.400 mm.
 ------------------------------------------------------------------------------
 From  8460  To  8470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  8470  To  8480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-033
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ------------------------------------------------------------------------------
 From  8480  To  8490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  8490  To  8500 DZ= -250.207 mm.
 RESTRAINTS
    Node  8500  Guide   Mu = .30
 ------------------------------------------------------------------------------
 From  8500  To  8510 DZ= -459.570 mm.
 ------------------------------------------------------------------------------
 From  8510  To  8520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 8519
    Angle/Node @2= .00 8518
 ------------------------------------------------------------------------------
 From  8520  To  8530 DY= 1,799.909 mm.  DZ= -18.137 mm.
 RESTRAINTS
    Node  8530  X   Mu = .30
    Node  8530  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  8530  To  8540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.990   Angle/Node @1= 44.99 8539
    Angle/Node @2= .00 8538
 ------------------------------------------------------------------------------
 From  8540  To  8550  DX= 351.628 mm.  DZ= -6.350 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  8550  To  8560  DX= 130.175 mm.
 SIF's & TEE's
    Node  8560   Welding Tee   Srf.Node=8561
 ---------------------------------------------------------------------------
 From  8560  To  8570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  8570  To  8580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 8579
    Angle/Node @2= .00 8578
 ---------------------------------------------------------------------------
 From  8580  To  8590 DY= -279.100 mm.
 RESTRAINTS
    Node  8590  X   Mu = .30
    Node  8590  Z   Mu = .30
 ---------------------------------------------------------------------------
 From  8590  To  8600 DY= -140.000 mm.
 ---------------------------------------------------------------------------
 From  8600  To  8610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8610  To  8620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-035
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  8620  To  8630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8630  To  8640 DY= -142.875 mm.
 SIF's & TEE's
    Node  8640   Welding Tee   Srf.Node=8641
 ---------------------------------------------------------------------------
 From  8560  To  8650 DZ= -369.887 mm.
 GENERAL
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 8649
    Angle/Node @2= .00 8648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  8650  To  8660  DX= 611.187 mm.  DZ= -6.350 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 8659
    Angle/Node @2= .00 8658
 ---------------------------------------------------------------------------
 From  8660  To  1110 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.

 PIPE DATA
 ---------------------------------------------------------------------------
 From  8640  To  8690 DY= -142.875 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Cor= .0000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  8690  To  8700 DY= -139.700 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  8700  To  8710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8640  To  9120  DX= 123.825 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 ---------------------------------------------------------------------------
 From  9120  To  9130  DX= 88.900 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ---------------------------------------------------------------------------
 From  9130  To  8420  DX= 73.025 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 44.48 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  8230  To  9190 DY= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  9190  To  9200 DY= 74.612 mm.
 RESTRAINTS
    Node  9200  Z   Mu = .30
    Node  9200  X   Mu = .30
 ---------------------------------------------------------------------------
 From  9200  To  9210 DY= 74.612 mm.
 ---------------------------------------------------------------------------
 From  9210  To  9220 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  9220  To  8710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq
 ---------------------------------------------------------------------------
 From  15490  To  15500 DZ= 1,725.000 mm.
 PIPE
    Dia= 2,888.000 mm.   Wall= 44.000 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  15490  Z   Mu = .30
    Node  15490  X   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ------------------------------------------------------------------------------
 From  15500  To  15510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  15510  To  15520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  15520  ANC
 ------------------------------------------------------------------------------
 From  15510  To  15530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  15530  To  15535 DZ= 1,444.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  15540  To  15550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  15540  ANC   Cnode  15535   Tag = /V-25001A/4N
 EQUIPMENT LIMITS
    Nozzle Node = 15540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ------------------------------------------------------------------------------
 From  15550  To  15560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  15560  To  15570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10020  To  10030 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 RESTRAINTS
    Node  10020  ANC   Cnode  17570   Tag = /V-25001F/4N
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464

 PIPE DATA
 ------------------------------------------------------------------------------
 From  10030  To  10040 DZ= 100.012 mm.
 ------------------------------------------------------------------------------
 From  10040  To  10050 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
 From  10050  To  10060 DZ= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10060  To  10070 DZ= 252.412 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10069
    Angle/Node @2= .00 10068
 ------------------------------------------------------------------------------
 From  10070  To  10080 DY= -404.812 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10079
    Angle/Node @2= .00 10078
 ------------------------------------------------------------------------------
 From  10080  To  10090  DX= -820.000 mm.
 RESTRAINTS
    Node  10090  Z   Mu = .30
    Node  10090  Y   Gap= 15.000 mm.   Mu = .30
 ------------------------------------------------------------------------------
 From  10090  To  10100  DX= -610.338 mm.
 SIF's & TEE's
    Node  10100   Welding Tee   Srf.Node=****
 ------------------------------------------------------------------------------
 From  10100  To  10110  DX= -257.175 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10109
    Angle/Node @2= .00 10108
 ------------------------------------------------------------------------------
 From  10110  To  10120 DY= 152.400 mm.
 ------------------------------------------------------------------------------
 From  10120  To  10130 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10130  To  10140 DY= 527.000 mm.
    Element Name=/BLPH-MV-440
 RIGID  Weight= 1,700.00 N.   Type=Flange Valve
 FLANGES
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
 From  10140  To  10150 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10150  To  10160 DY= 50.000 mm.
 RESTRAINTS
    Node  10160  X   Mu = .30
    Node  10160  Y   Mu = .30
    Node  10160  Z
 ------------------------------------------------------------------------------
 From  10160  To  10170 DY= 153.249 mm.
 SIF's & TEE's
    Node  10170   Welding Tee   Srf.Node=****
 ------------------------------------------------------------------------------
 From  10170  To  10180 DY= 104.775 mm.
 ------------------------------------------------------------------------------
 From  10180  To  10190 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 FLANGES
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ------------------------------------------------------------------------------
 From  10190  To  10200 DY= 152.500 mm.
    Element Name=/25-BDV-019
 RIGID  Weight= 370.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  10200  To  10210 DZ= 209.000 mm.
    Element Name=/25-BDV-019
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  10210  To  10220 DZ= 267.000 mm.
    Element Name=/25-BDV-019
 RIGID  Weight= 950.00 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10200  To  10230 DY= 152.500 mm.
    Element Name=/25-BDV-019
 RIGID  Weight= 370.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= Peq
 ------------------------------------------------------------------------------
 From  10100  To  10240 DZ= 98.425 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  10240  To  10250 DZ= 88.900 mm.
 REDUCER
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
 ---------------------------------------------------------------------------
 From  10250  To  10260 DZ= 68.262 mm.
 PIPE
    Dia= 48.260 mm.   Wall= 3.683 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10260  To  10270 DZ= 317.000 mm.
    Element Name=/BLPH-MV-442
 RIGID  Weight= 400.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
 ---------------------------------------------------------------------------
 From  10270  To  10280 DZ= 68.262 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 35.59 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10280  To  10290 DZ= 63.500 mm.
 REDUCER
    Diam2= 33.401 mm.   Wall2= 3.378 mm.
 ---------------------------------------------------------------------------
 From  10290  To  10300 DZ= 65.088 mm.
 PIPE
    Dia= 33.401 mm.   Wall= 3.378 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 22.24 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10300  To  10310 DZ= 105.000 mm.
    Element Name=/25-PSV-001F
 RIGID  Weight= 75.00 N.   Type=Unspecified
 FORCES & MOMENTS
    Node  10310   FX1= 881.00 N.
 FLANGES

 PIPE DATA
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
 ---------------------------------------------------------------------------
 From  10310  To  10320  DX= -115.880 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=/25-PSV-001F
    Insul Thk= .000 mm.
 RIGID  Weight= 75.00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  10170  To  10330  DX= 88.900 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  10330  To  10340  DX= 614.362 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.
    Insul Thk= .000 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10339
    Angle/Node @2= .00 10338
 ------------------------------------------------------------------------------
 From  10340  To  10345 DY= 200.000 mm.
 RESTRAINTS
    Node  10345  Z   Mu = .30
    Node  10345  X   Mu = .30
 ------------------------------------------------------------------------------
 From  10345  To  10350 DY= 810.000 mm.
 RESTRAINTS
    Node  10350  Z   Mu = .30
    Node  10350  X   Mu = .30
 ------------------------------------------------------------------------------
 From  10350  To  10360 DY= 200.772 mm.
 BEND at "TO" end
    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10359
    Angle/Node @2= .00 10358
 ------------------------------------------------------------------------------
 From  10360  To  10370  DX= -76.200 mm.
 ------------------------------------------------------------------------------
 From  10370  To  10380  DX= -73.025 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 44.48 N.   Type=Flange
 FLANGES
    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
 ------------------------------------------------------------------------------
 From  10380  To  10390  DX= -134.145 mm.
    Element Name=/25-PV-049
 RIGID  Weight= 150.00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  10390  To  10400 DZ= 248.000 mm.
    Element Name=/25-PV-049
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------------
 From  10400  To  10410 DZ= 655.000 mm.
    Element Name=/25-PV-049
 RIGID  Weight= 450.00 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10390  To  10420  DX= -134.145 mm.
    Element Name=/25-PV-049
 RIGID  Weight= 150.00 N.   Type=Unspecified
 FLANGES
    Location= To   Method= NC-3658.3
 ------------------------------------------------------------------------------
 From  10320  To  10430  DX= -66.675 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 RIGID  Weight= 31.14 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
 ---------------------------------------------------------------------------
 From  10430  To  10440  DX= -101.600 mm.  DZ= -26.987 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
 From  10440  To  10445  DX= -100.000 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  10445  +Z   Mu = .30
    Node  10445  X   Mu = .30
 ---------------------------------------------------------------------------
 From  10445  To  10450  DX= -660.415 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10449
    Angle/Node @2= .00 10451
 ---------------------------------------------------------------------------
 From  10450  To  10460 DZ= -152.400 mm.
 ---------------------------------------------------------------------------
 From  10460  To  10470 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10470  To  10480 DZ= -325.000 mm.
    Element Name=/BLPH-MV-199
 RIGID  Weight= 800.00 N.   Type=Flange Valve
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
 ---------------------------------------------------------------------------
 From  10480  To  10490 DZ= -76.200 mm.
    Element Name=BALL_FLG_150
 RIGID  Weight= 66.72 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10490  To  10500 DZ= -250.207 mm.
 RESTRAINTS
    Node  10500  Guide   Mu = .30
 ---------------------------------------------------------------------------
 From  10500  To  10510 DZ= -459.570 mm.
 ---------------------------------------------------------------------------
 From  10510  To  10520 DY= 1.587 mm.  DZ= -412.750 mm.
 PIPE
    Cor= .0000 mm.
 BEND at "TO" end
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 10519
    Angle/Node @2= .00 10518
 ------------------------------------------------------------------------------
 From  10520  To  10525 DY= 1,569.920 mm.  DZ= -15.820 mm.
 RESTRAINTS
    Node  10525  X   Mu = .30
    Node  10525  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  10525  To  10530 DY= 229.988 mm.  DZ= -2.318 mm.
 ------------------------------------------------------------------------------
 From  10530  To  10540 DY= 1,981.026 mm.  DZ= -19.963 mm.
 BEND at "TO" end
    Radius= 152.400 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 10539
    Angle/Node @2= .00 10538
 ------------------------------------------------------------------------------
 From  10540  To  10550  DX= 657.228 mm.  DZ= -6.350 mm.
 ------------------------------------------------------------------------------
 From  10550  To  10560  DX= 130.175 mm.
 SIF's & TEE's
    Node  10560   Welding Tee   Srf.Node=****

 PIPE DATA
 ------------------------------------------------------------------------------
 From  10560  To  10570 DZ= 458.788 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ------------------------------------------------------------------------------
 From  10570  To  10580 DZ= 490.538 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 10579
    Angle/Node @2= .00 10578
 ------------------------------------------------------------------------------
 From  10580  To  10590 DY= -279.100 mm.
 RESTRAINTS
    Node  10590  X   Mu = .30
    Node  10590  Z   Mu = .30
 ------------------------------------------------------------------------------
 From  10590  To  10600 DY= -140.000 mm.
 ------------------------------------------------------------------------------
 From  10600  To  10610 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ------------------------------------------------------------------------------
 From  10610  To  10620 DY= -746.125 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Element Name=/BLPH-MV-441
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= 3,500.00 N.   Type=Flange Valve
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 FLANGES
    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
 ---------------------------------------------------------------------------
 From  10620  To  10630 DY= -101.600 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 191.27 N.   Type=Flange
 ---------------------------------------------------------------------------
 From  10630  To  10640 DY= -142.875 mm.
 SIF's & TEE's
    Node  10640   Welding Tee   Srf.Node=****
 ---------------------------------------------------------------------------
 From  10560  To  10650 DZ= -369.887 mm.
 GENERAL
    T1= 100 C   P1= 350.0000 KPa
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.405   Angle/Node @1= 44.70 10649
    Angle/Node @2= .00 10648
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  10650  To  10660  DX= 611.187 mm.  DZ= -6.350 mm.
 BEND at "TO" end
    Radius= 228.600 mm. (LONG)   Bend Angle= 89.994   Angle/Node @1= 45.00 10659
    Angle/Node @2= .00 10658
 ---------------------------------------------------------------------------
 From  10660  To  1100 DY= -638.175 mm.  DZ= -6.350 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  10640  To  10690 DY= -142.875 mm.
 PIPE
    Dia= 168.275 mm.   Wall= 3.404 mm.   Cor= .0000 mm.
 GENERAL
    T1= 80 C   P1= 4,000.0000 KPa   Mat= (163)A312 TP316   E= 195,818,800 KPa
    EH1= 190,598,656 KPa   EH2= 197,165,712 KPa   EH3= 194,799,872 KPa
    EH4= 192,087,920 KPa   EH5= 195,818,800 KPa   EH6= 195,818,800 KPa
    EH7= 195,818,800 KPa   EH8= 195,818,800 KPa   EH9= 195,818,800 KPa
    v = .310   Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  10690  To  10700 DY= -139.700 mm.
 REDUCER
    Diam2= 114.300 mm.   Wall2= 3.048 mm.
 ---------------------------------------------------------------------------
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  10700  To  10710 DY= -88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  10640  To  11120  DX= 123.825 mm.
 PIPE
    Dia= 88.900 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 ------------------------------------------------------------------------
 From  11120  To  11130  DX= 88.900 mm.
 REDUCER
    Diam2= 60.325 mm.   Wall2= 2.769 mm.
 ------------------------------------------------------------------------
 From  11130  To  10420  DX= 73.025 mm.
 PIPE
    Dia= 60.325 mm.   Wall= 2.769 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 44.48 N.   Type=Flange
 ------------------------------------------------------------------------
 From  10230  To  11190 DY= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Cor= .0000 mm.
    Element Name=FLANGE_FLG_300
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  11190  To  11200 DY= 74.612 mm.
 RESTRAINTS
    Node  11200  Z   Mu = .30
    Node  11200  X   Mu = .30
 ------------------------------------------------------------------------
 From  11200  To  11210 DY= 74.612 mm.
 ------------------------------------------------------------------------
 From  11210  To  11220 DY= 88.900 mm.
    Element Name=FLANGE_FLG_300
 RIGID  Weight= 115.65 N.   Type=Flange
 ------------------------------------------------------------------------
 From  11220  To  10710 DY= 13.600 mm.
    Element Name=Flange
 RIGID  Weight= 50.00 N.   Type=Flange
 FLANGES
    Location= Both   Method= Peq
 ------------------------------------------------------------------------
 From  17490  To  17500 DZ= 1,725.000 mm.
 PIPE
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Dia= 2,888.000 mm.   Wall= 44.000 mm.   Cor= .0000 mm.
 GENERAL
    Mat= (163)A312 TP316   E= 195,818,800 KPa   EH1= 190,598,656 KPa

 PIPE DATA
    EH2= 197,165,712 KPa   EH3= 194,799,872 KPa   EH4= 192,087,920 KPa
    EH5= 195,818,800 KPa   EH6= 195,818,800 KPa   EH7= 195,818,800 KPa
    EH8= 195,818,800 KPa   EH9= 195,818,800 KPa   v = .310
    Pipe Den= .0080272 kg./cu.cm.   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  17490  Z   Mu = .30
    Node  17490  X   Mu = .30
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  17500  To  17510 DY= 9,000.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  17510  To  17520 DZ= -1,725.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  17520  ANC
 ---------------------------------------------------------------------------
 From  17510  To  17530 DY= 1,650.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  17530  To  17535 DZ= 1,444.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  17540  To  17550 DZ= 120.000 mm.
 PIPE
    Dia= 171.600 mm.   Wall= 35.000 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  17540  ANC   Cnode  17535   Tag = /V-25001F/4N
 EQUIPMENT LIMITS
    Nozzle Node = 17540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
 ---------------------------------------------------------------------------
 From  17550  To  17560 DZ= 161.100 mm.
 PIPE
    Dia= 146.000 mm.   Wall= 22.200 mm.
    Insul Thk= .000 mm.
 ---------------------------------------------------------------------------
 From  17560  To  17570 DZ= 88.900 mm.
 PIPE
    Dia= 114.300 mm.   Wall= 3.048 mm.   Element Name=FLANGE_FLG_300
    Insul Thk= .000 mm.
 RIGID  Weight= 115.65 N.   Type=Flange
 ---------------------------------------------------------------------------
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 From  18000  To  18010 DZ= 780.000 mm.
 PIPE
    Dia= 616.000 mm.   Wall= 8.000 mm.
 GENERAL
    P1= 350.0000 KPa   Insul Thk= .000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  18000  ANC
 ------------------------------------------------------------------------
 From  18010  To  18020 DZ= 1,260.000 mm.
 GENERAL
    P1= 350.0000 KPa
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  18020  To  18040 DZ= 1,245.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  18042  To  18045 DZ= 100.225 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 12.700 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  18042  ANC   Cnode  18040   Tag = /V-43001/N2
 EQUIPMENT LIMITS
    Nozzle Node = 18042
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 12,000.00 N.   FB= 6,000.00 N.
    FC= 6,000.00 N.   MA= 9,000.00 N.m.   MB= 6,000.00 N.m.   MC= 6,000.00 N.m.
    Equipment Major Direction Vector= -1.0000  .0000  .0000
    Interact. Mtd= Absolute
 ------------------------------------------------------------------------
 From  18045  To  18050 DZ= 104.775 mm.
    Element Name=FLANGE_FLG_150
 RIGID  Weight= 235.76 N.   Type=Flange
 ------------------------------------------------------------------------
 From  18020  To  18022  DX= 308.000 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ------------------------------------------------------------------------
 From  18025  To  18027  DX= 100.225 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 12.700 mm.
    Insul Thk= .000 mm.
 RESTRAINTS
    Node  18025  ANC   Cnode  18022   Tag = /V-43001_N1
 EQUIPMENT LIMITS
    Nozzle Node = 18025
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 12,000.00 N.   FB= 6,000.00 N.
    FC= 9,000.00 N.   MA= 9,000.00 N.m.   MB= 6,000.00 N.m.   MC= 7,800.00 N.m.
    Equipment Major Direction Vector= .0000  1.0000  .0000
    Interact. Mtd= Absolute
 ------------------------------------------------------------------------
 From  18027  To  18030  DX= 104.775 mm.
 PIPE
    Dia= 273.050 mm.   Wall= 12.700 mm.   Element Name=FLANGE_FLG_150
    Insul Thk= .000 mm.
 RIGID  Weight= 235.76 N.   Type=Flange
 ------------------------------------------------------------------------
 From  19000  To  19500 DZ= 5,028.000 mm.
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 PIPE
    Cor= 3.0000 mm.
 GENERAL
    Mat= (177)A333 6   E= 203,403,040 KPa   EH1= 199,396,368 KPa
    EH2= 204,749,936 KPa   EH3= 202,544,960 KPa   EH4= 200,637,424 KPa
    EH5= 203,403,040 KPa   EH6= 203,403,040 KPa   EH7= 203,403,040 KPa
    EH8= 203,403,040 KPa   EH9= 203,403,040 KPa   v = .300
    Pipe Den= .0077504 kg./cu.cm.
 RIGID  Weight= .00 N.   Type=Unspecified
 RESTRAINTS
    Node  19000  ANC
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 241,316 KPa   Mf= .464
 ---------------------------------------------------------------------------
 From  19500  To  19550 DY= 533.525 mm.
 RIGID  Weight= .00 N.   Type=Unspecified
 ---------------------------------------------------------------------------
 From  19560  To  19580 DY= 58.700 mm.
 RESTRAINTS
    Node  19560  ANC   Cnode  19550   Tag = /Q-43004/N1
 ---------------------------------------------------------------------------
 From  19580  To  19600 DY= 104.775 mm.
    Element Name=FLANGE_FLG_150
 GENERAL
    Mat= (177)A333 6   E= 203,403,040 KPa   EH1= 199,396,368 KPa
    EH2= 204,749,936 KPa   EH3= 202,544,960 KPa   EH4= 200,637,424 KPa
    EH5= 203,403,040 KPa   EH6= 203,403,040 KPa   EH7= 203,403,040 KPa
    EH8= 203,403,040 KPa   EH9= 203,403,040 KPa   v = .300
    Pipe Den= .0077504 kg./cu.cm.
 RIGID  Weight= 235.76 N.   Type=Flange
 ALLOWABLE STRESSES
    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 241,316 KPa   Mf= .464
 EQUIPMENT LIMITS
    Nozzle Node = 19560

 PIPE DATA
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 7,784.00 N.   FB= 14,456.00 N.
    FC= 14,456.00 N.   MA= 6,304.00 N.m.   MB= 4,745.00 N.m.   MC= 4,745.00 N.m.
    Equipment Major Direction Vector= .0000  1.0000  .0000
    Interact. Mtd= Absolute



 MATERIAL Changes:
        20                                    30


    Mat= (163)A312 TP316   E= 195,818,800 KPa   v = .310
    Density= .0080 kg./cu.cm.
       7490                                 7500
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
2020 2030

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
2640 2690

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
2640 3120

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
2230 3190

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
9490 9500

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
4020 4030

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
4640 4690

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
4640 5120

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
4230 5190

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
11490 11500

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
6020 6030

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Density= .0080 kg./cu.cm.
6640 6690

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
6640 7120

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
6230 7190

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
13490 13500

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
8020 8030

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
8640 8690

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
8640 9120

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
8230 9190

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
15490 15500

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
10020 10030

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
10640 10690

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
10640 11120

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
10230 11190

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
17490 17500

Mat= (163)A312 TP316 E= 195,818,800 KPa v = .310
Density= .0080 kg./cu.cm.
19000 19500

Mat= (177)A333 6 E= 203,403,040 KPa v = .300 Density= .0078 kg./cu.cm.
19580 19600

Mat= (177)A333 6 E= 203,403,040 KPa v = .300 Density= .0078 kg./cu.cm.

ALLOWABLE STRESS Changes
20 30

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= 1.000
320 430

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
610 620

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
560 650

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
640 690

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
        680                                720


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       7490                               7500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       2020                               2030


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       2320                               2430


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       2610                               2620


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       2560                               2650


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       2640                               2690


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       9490                               9500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       4020                               4030


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       4320                               4430


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       4610                               4620


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       4560                               4650


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       4640                               4690


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      11490                              11500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       6020                               6030


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       6320                               6430


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
6610 6620

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa

ALLOWABLE STRESS Changes
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
6560 6650

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
6640 6690

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
13490 13500

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
8020 8030

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
8320 8430

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
8610 8620

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa
Sh9= 137,895 KPa Sy= 206,843 KPa Mf= .464
8560 8650

B31.12 IP (2019) Cycle Max Switch = --- Sc= 137,895 KPa
Sh1= 137,895 KPa Sh2= 137,895 KPa Sh3= 137,895 KPa Sh4= 137,895 KPa
Sh5= 137,895 KPa Sh6= 137,895 KPa Sh7= 137,895 KPa Sh8= 137,895 KPa

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
       8640                                 8690


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      15490                                15500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      10020                                10030


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      10320                                10430


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      10610                                10620


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      10560                                10650


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      10640                                10690


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
      17490                                17500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 206,843 KPa   Mf= .464
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
      19000                                19500


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 241,316 KPa   Mf= .464
      19580                                19600


    B31.12 IP (2019)    Cycle Max Switch = ---   Sc= 137,895 KPa
    Sh1= 137,895 KPa   Sh2= 137,895 KPa   Sh3= 137,895 KPa   Sh4= 137,895 KPa
    Sh5= 137,895 KPa   Sh6= 137,895 KPa   Sh7= 137,895 KPa   Sh8= 137,895 KPa
    Sh9= 137,895 KPa   Sy= 241,316 KPa   Mf= .464



 BEND ELEMENTS
        60                                    70


    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 69
    Angle/Node @2= .00 68
         70                                   80


    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 79
    Angle/Node @2= .00 78
        100                                  110


    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 109
    Angle/Node @2= .00 108
        330                                  340


    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 339
    Angle/Node @2= .00 338
        350                                  360


    Radius= 76.200 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 359
    Angle/Node @2= .00 358
        444                                  450


    Radius= 152.400 mm. (LONG)   Bend Angle= 90.000   Angle/Node @1= 45.00 449
    Angle/Node @2= .00 451
        510                                  520


    Radius= 152.400 mm. (LONG)   Bend Angle= 89.202   Angle/Node @1= 44.60 519
    Angle/Node @2= .00 518
        530                                  540


    Radius= 152.400 mm. (LONG)   Bend Angle= 89.993   Angle/Node @1= 45.00 539
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Angle/Node @2= .00 538
570 580

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 579
Angle/Node @2= .00 578
560 650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 649
Angle/Node @2= .00 648
650 660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 659
Angle/Node @2= .00 658
750 760

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 759
Angle/Node @2= .00 758
797 800

Radius= 381.000 mm. (LONG) Bend Angle= 89.410 Angle/Node @1= 44.71 799
Angle/Node @2= .00 798
800 810

Radius= 381.000 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 809
Angle/Node @2= .00 808
875 880

Radius= 381.000 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 879
Angle/Node @2= .00 878
880 890

Radius= 381.000 mm. (LONG) Bend Angle= 89.401 Angle/Node @1= 44.70 889
Angle/Node @2= .00 888
890 900

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 899
905 910

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 909
Angle/Node @2= .00 908
960 970

Radius= 228.600 mm. (LONG) Bend Angle= 89.418 Angle/Node @1= 44.71 969
Angle/Node @2= .00 968
970 980

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 979
Angle/Node @2= .00 978
985 990

Radius= 228.600 mm. (LONG) Bend Angle= 89.425 Angle/Node @1= 44.71 989
Angle/Node @2= .00 988
1020 1030

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1029
1240 1250

Radius= 381.000 mm. (LONG) Bend Angle= 89.373 Angle/Node @1= 44.69 1249
Angle/Node @2= .00 1248
1250 1260

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 1259
Angle/Node @2= .00 1258
1260 1270

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 1269
Angle/Node @2= .00 1268
1325 1330

Radius= 381.000 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 1329
Angle/Node @2= .00 1328
1330 1340

Radius= 381.000 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1339
Angle/Node @2= .00 1338
1410 1420

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1419
Angle/Node @2= .00 1418
1425 1430

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1429
Angle/Node @2= .00 1428
1435 1440

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1439
Angle/Node @2= .00 1438

BEND ELEMENTS
1440 1450

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Radius= 154.515 mm. (user) Bend Angle= 45.000 Angle/Node @1= 22.50 1449
Angle/Node @2= .00 1448
1455 1460

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1459
Angle/Node @2= .00 1458
1506 1505

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1499
Angle/Node @2= .00 1498
1505 1510

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 1509
Angle/Node @2= .00 1508
2060 2070

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2069
Angle/Node @2= .00 2068
2070 2080

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2079
Angle/Node @2= .00 2078
2100 2110

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2109
Angle/Node @2= .00 2108
2330 2340

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2339
Angle/Node @2= .00 2338
2350 2360

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2359
Angle/Node @2= .00 2358
2445 2450

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2449
Angle/Node @2= .00 2451
2510 2520

Radius= 152.400 mm. (LONG) Bend Angle= 89.202 Angle/Node @1= 44.60 2519
Angle/Node @2= .00 2518
2530 2540

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Radius= 152.400 mm. (LONG) Bend Angle= 89.993 Angle/Node @1= 45.00 2539
Angle/Node @2= .00 2538
2570 2580

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 2579
Angle/Node @2= .00 2578
2560 2650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 2649
Angle/Node @2= .00 2648
2650 2660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 2659
Angle/Node @2= .00 2658
4060 4070

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4069
Angle/Node @2= .00 4068
4070 4080

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4079
Angle/Node @2= .00 4078
4100 4110

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4109
Angle/Node @2= .00 4108
4330 4340

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4339
Angle/Node @2= .00 4338
4350 4360

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4359
Angle/Node @2= .00 4358
4445 4450

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4449
Angle/Node @2= .00 4451
4510 4520

Radius= 152.400 mm. (LONG) Bend Angle= 89.202 Angle/Node @1= 44.60 4519
Angle/Node @2= .00 4518
4530 4540

Radius= 152.400 mm. (LONG) Bend Angle= 89.993 Angle/Node @1= 45.00 4539
Angle/Node @2= .00 4538

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
4570 4580

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 4579
Angle/Node @2= .00 4578
4560 4650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 4649
Angle/Node @2= .00 4648
4650 4660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 4659
Angle/Node @2= .00 4658
6060 6070

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6069
Angle/Node @2= .00 6068
6070 6080

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6079
Angle/Node @2= .00 6078
6100 6110

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6109
Angle/Node @2= .00 6108
6330 6340

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6339
Angle/Node @2= .00 6338

BEND ELEMENTS
6350 6360

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6359
Angle/Node @2= .00 6358
6445 6450

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6449
Angle/Node @2= .00 6451
6510 6520

Radius= 152.400 mm. (LONG) Bend Angle= 89.202 Angle/Node @1= 44.60 6519
Angle/Node @2= .00 6518
6530 6540

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Radius= 152.400 mm. (LONG) Bend Angle= 89.993 Angle/Node @1= 45.00 6539
Angle/Node @2= .00 6538
6570 6580

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 6579
Angle/Node @2= .00 6578
6560 6650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 6649
Angle/Node @2= .00 6648
6650 6660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 6659
Angle/Node @2= .00 6658
8060 8070

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8069
Angle/Node @2= .00 8068
8070 8080

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8079
Angle/Node @2= .00 8078
8100 8110

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8109
Angle/Node @2= .00 8108
8330 8340

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8339
Angle/Node @2= .00 8338
8350 8360

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8359
Angle/Node @2= .00 8358
8445 8450

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8449
Angle/Node @2= .00 8451
8510 8520

Radius= 152.400 mm. (LONG) Bend Angle= 89.202 Angle/Node @1= 44.60 8519
Angle/Node @2= .00 8518
8530 8540

Radius= 152.400 mm. (LONG) Bend Angle= 89.990 Angle/Node @1= 44.99 8539
Angle/Node @2= .00 8538

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
8570 8580

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 8579
Angle/Node @2= .00 8578
8560 8650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 8649
Angle/Node @2= .00 8648
8650 8660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 8659
Angle/Node @2= .00 8658
10060 10070

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10069
Angle/Node @2= .00 10068
10070 10080

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10079
Angle/Node @2= .00 10078
10100 10110

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10109
Angle/Node @2= .00 10108
10330 10340

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10339
Angle/Node @2= .00 10338
10350 10360

Radius= 76.200 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10359
Angle/Node @2= .00 10358
10445 10450

Radius= 152.400 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10449
Angle/Node @2= .00 10451
10510 10520

Radius= 152.400 mm. (LONG) Bend Angle= 89.202 Angle/Node @1= 44.60 10519
Angle/Node @2= .00 10518
10530 10540

Radius= 152.400 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 10539
Angle/Node @2= .00 10538
10570 10580

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Radius= 228.600 mm. (LONG) Bend Angle= 90.000 Angle/Node @1= 45.00 10579
Angle/Node @2= .00 10578
10560 10650

Radius= 228.600 mm. (LONG) Bend Angle= 89.405 Angle/Node @1= 44.70 10649
Angle/Node @2= .00 10648
10650 10660

Radius= 228.600 mm. (LONG) Bend Angle= 89.994 Angle/Node @1= 45.00 10659
Angle/Node @2= .00 10658

RIGIDS
20 30

Weight= 115.65 N. Type=Flange
40 50

Weight= 115.65 N. Type=Flange
50 60

Weight= 115.65 N. Type=Flange
120 130

Weight= 115.65 N. Type=Flange
130 140

Weight= 1,700.00 N. Type=Flange Valve
140 150

Weight= 115.65 N. Type=Flange
180 190

Weight= 115.65 N. Type=Flange
190 200

Weight= 370.00 N. Type=Unspecified
200 210

Weight= .00 N. Type=Unspecified
210 220

Weight= 950.00 N. Type=Flange

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
200 230

Weight= 370.00 N. Type=Unspecified
250 260

Weight= 35.59 N. Type=Flange
260 270

Weight= 400.00 N. Type=Flange Valve
270 280

Weight= 35.59 N. Type=Flange
290 300

Weight= 22.24 N. Type=Flange
300 310

Weight= 75.00 N. Type=Unspecified
310 320

Weight= 75.00 N. Type=Unspecified
370 380

Weight= 44.48 N. Type=Flange
380 390

Weight= 150.00 N. Type=Unspecified
390 400

Weight= .00 N. Type=Unspecified
400 410

Weight= 450.00 N. Type=Flange
390 420

Weight= 150.00 N. Type=Unspecified
320 430

Weight= 31.14 N. Type=Flange
460 470

Weight= 66.72 N. Type=Flange
470 480

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 800.00 N. Type=Flange Valve
480 490

Weight= 66.72 N. Type=Flange
600 610

Weight= 191.27 N. Type=Flange
610 620

Weight= 3,500.00 N. Type=Flange Valve
620 630

Weight= 191.27 N. Type=Flange
700 710

Weight= 115.65 N. Type=Flange
850 860

Weight= 235.76 N. Type=Flange
1010 1012

Weight= 111.21 N. Type=Flange
1012 1016

Weight= 1,800.00 N. Type=Flange Valve
1016 1020

Weight= 111.21 N. Type=Flange
1045 1050

Weight= 71.17 N. Type=Flange
1130 420

Weight= 44.48 N. Type=Flange
230 1190

Weight= 115.65 N. Type=Flange

RIGIDS
1210 1220

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 115.65 N. Type=Flange
1220 710

Weight= 50.00 N. Type=Flange
1230 1240

Weight= 235.76 N. Type=Flange
1280 1285

Weight= 235.76 N. Type=Flange
1285 1290

Weight= 235.76 N. Type=Flange
1310 1315

Weight= 235.76 N. Type=Flange
1315 1320

Weight= 235.76 N. Type=Flange
1350 1360

Weight= 235.76 N. Type=Flange
1050 1373

Weight= 260.00 N. Type=Unspecified
1373 1376

Weight= 260.00 N. Type=Unspecified
1376 1380

Weight= 54.49 N. Type=Flange
1390 1392

Weight= 71.17 N. Type=Flange
1392 1396

Weight= 800.00 N. Type=Flange Valve
1396 1400

Weight= 71.17 N. Type=Flange
7490 7500

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Weight= .00 N. Type=Unspecified
7500 7510

Weight= .00 N. Type=Unspecified
7510 7520

Weight= .00 N. Type=Unspecified
7510 7530

Weight= .00 N. Type=Unspecified
7530 7535

Weight= .00 N. Type=Unspecified
7560 7570

Weight= 115.65 N. Type=Flange
2020 2030

Weight= 115.65 N. Type=Flange
2040 2050

Weight= 115.65 N. Type=Flange
2050 2060

Weight= 115.65 N. Type=Flange
2120 2130

Weight= 115.65 N. Type=Flange
2130 2140

Weight= 1,700.00 N. Type=Flange Valve
2140 2150

Weight= 115.65 N. Type=Flange
2180 2190

Weight= 115.65 N. Type=Flange
2190 2200

Weight= 370.00 N. Type=Unspecified
2200 2210

Weight= .00 N. Type=Unspecified

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
2210 2220

Weight= 950.00 N. Type=Flange
2200 2230

Weight= 370.00 N. Type=Unspecified
2250 2260

Weight= 35.59 N. Type=Flange
2260 2270

Weight= 400.00 N. Type=Flange Valve
2270 2280

Weight= 35.59 N. Type=Flange
2290 2300

Weight= 22.24 N. Type=Flange
2300 2310

Weight= 75.00 N. Type=Unspecified
2310 2320

Weight= 75.00 N. Type=Unspecified

RIGIDS
2370 2380

Weight= 44.48 N. Type=Flange
2380 2390

Weight= 150.00 N. Type=Unspecified
2390 2400

Weight= .00 N. Type=Unspecified
2400 2410

Weight= 450.00 N. Type=Flange
2390 2420

Weight= 150.00 N. Type=Unspecified
2320 2430

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 31.14 N. Type=Flange
2460 2470

Weight= 66.72 N. Type=Flange
2470 2480

Weight= 800.00 N. Type=Flange Valve
2480 2490

Weight= 66.72 N. Type=Flange
2600 2610

Weight= 191.27 N. Type=Flange
2610 2620

Weight= 3,500.00 N. Type=Flange Valve
2620 2630

Weight= 191.27 N. Type=Flange
2700 2710

Weight= 115.65 N. Type=Flange
3130 2420

Weight= 44.48 N. Type=Flange
2230 3190

Weight= 115.65 N. Type=Flange
3210 3220

Weight= 115.65 N. Type=Flange
3220 2710

Weight= 50.00 N. Type=Flange
9490 9500

Weight= .00 N. Type=Unspecified
9500 9510

Weight= .00 N. Type=Unspecified
9510 9520

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= .00 N. Type=Unspecified
9510 9530

Weight= .00 N. Type=Unspecified
9530 9535

Weight= .00 N. Type=Unspecified
9560 9570

Weight= 115.65 N. Type=Flange
4020 4030

Weight= 115.65 N. Type=Flange
4040 4050

Weight= 115.65 N. Type=Flange
4050 4060

Weight= 115.65 N. Type=Flange
4120 4130

Weight= 115.65 N. Type=Flange
4130 4140

Weight= 1,700.00 N. Type=Flange Valve
4140 4150

Weight= 115.65 N. Type=Flange
4180 4190

Weight= 115.65 N. Type=Flange
4190 4200

Weight= 370.00 N. Type=Unspecified
4200 4210

Weight= .00 N. Type=Unspecified
4210 4220

Weight= 950.00 N. Type=Flange
4200 4230

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 Weight= 370.00 N.   Type=Unspecified
       4250                                4260


 Weight= 35.59 N.   Type=Flange
       4260                                4270


 Weight= 400.00 N.   Type=Flange Valve
       4270                                4280


 Weight= 35.59 N.   Type=Flange



 RIGIDS
       4290                                4300


 Weight= 22.24 N.   Type=Flange
       4300                                4310


 Weight= 75.00 N.   Type=Unspecified
       4310                                4320


 Weight= 75.00 N.   Type=Unspecified
       4370                                4380


 Weight= 44.48 N.   Type=Flange
       4380                                4390


 Weight= 150.00 N.   Type=Unspecified
       4390                                4400


 Weight= .00 N.   Type=Unspecified
       4400                                4410


 Weight= 450.00 N.   Type=Flange
       4390                                4420


 Weight= 150.00 N.   Type=Unspecified
       4320                                4430


 Weight= 31.14 N.   Type=Flange
       4460                                4470


 Weight= 66.72 N.   Type=Flange
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

```
       4470                                4480


 Weight= 800.00 N.   Type=Flange Valve
       4480                                4490


 Weight= 66.72 N.   Type=Flange
       4600                                4610


 Weight= 191.27 N.   Type=Flange
       4610                                4620


 Weight= 3,500.00 N.   Type=Flange Valve
       4620                                4630


 Weight= 191.27 N.   Type=Flange
       4700                                4710


 Weight= 115.65 N.   Type=Flange
       5130                                4420


 Weight= 44.48 N.   Type=Flange
       4230                                5190


 Weight= 115.65 N.   Type=Flange
       5210                                5220


 Weight= 115.65 N.   Type=Flange
       5220                                4710


 Weight= 50.00 N.   Type=Flange
      11490                               11500


 Weight= .00 N.   Type=Unspecified
      11500                               11510


 Weight= .00 N.   Type=Unspecified
      11510                               11520


 Weight= .00 N.   Type=Unspecified
      11510                               11530


 Weight= .00 N.   Type=Unspecified
      11530                               11535
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= .00 N. Type=Unspecified
11560 11570

Weight= 115.65 N. Type=Flange
6020 6030

Weight= 115.65 N. Type=Flange
6040 6050

Weight= 115.65 N. Type=Flange
6050 6060

Weight= 115.65 N. Type=Flange
6120 6130

Weight= 115.65 N. Type=Flange
6130 6140

Weight= 1,700.00 N. Type=Flange Valve
6140 6150

Weight= 115.65 N. Type=Flange
6180 6190

Weight= 115.65 N. Type=Flange
6190 6200

Weight= 370.00 N. Type=Unspecified
6200 6210

Weight= .00 N. Type=Unspecified
6210 6220

Weight= 950.00 N. Type=Flange
6200 6230

Weight= 370.00 N. Type=Unspecified

RIGIDS
6250 6260

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 35.59 N. Type=Flange
6260 6270

Weight= 400.00 N. Type=Flange Valve
6270 6280

Weight= 35.59 N. Type=Flange
6290 6300

Weight= 22.24 N. Type=Flange
6300 6310

Weight= 75.00 N. Type=Unspecified
6310 6320

Weight= 75.00 N. Type=Unspecified
6370 6380

Weight= 44.48 N. Type=Flange
6380 6390

Weight= 150.00 N. Type=Unspecified
6390 6400

Weight= .00 N. Type=Unspecified
6400 6410

Weight= 450.00 N. Type=Flange
6390 6420

Weight= 150.00 N. Type=Unspecified
6320 6430

Weight= 31.14 N. Type=Flange
6460 6470

Weight= 66.72 N. Type=Flange
6470 6480

Weight= 800.00 N. Type=Flange Valve
6480 6490

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Weight= 66.72 N. Type=Flange
6600 6610

Weight= 191.27 N. Type=Flange
6610 6620

Weight= 3,500.00 N. Type=Flange Valve
6620 6630

Weight= 191.27 N. Type=Flange
6700 6710

Weight= 115.65 N. Type=Flange
7130 6420

Weight= 44.48 N. Type=Flange
6230 7190

Weight= 115.65 N. Type=Flange
7210 7220

Weight= 115.65 N. Type=Flange
7220 6710

Weight= 50.00 N. Type=Flange
13490 13500

Weight= .00 N. Type=Unspecified
13500 13510

Weight= .00 N. Type=Unspecified
13510 13520

Weight= .00 N. Type=Unspecified
13510 13530

Weight= .00 N. Type=Unspecified
13530 13535

Weight= .00 N. Type=Unspecified
13560 13570

Weight= 115.65 N. Type=Flange

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
8020 8030

Weight= 115.65 N. Type=Flange
8040 8050

Weight= 115.65 N. Type=Flange
8050 8060

Weight= 115.65 N. Type=Flange
8120 8130

Weight= 115.65 N. Type=Flange
8130 8140

Weight= 1,700.00 N. Type=Flange Valve
8140 8150

Weight= 115.65 N. Type=Flange
8180 8190

Weight= 115.65 N. Type=Flange
8190 8200

Weight= 370.00 N. Type=Unspecified

RIGIDS
8200 8210

Weight= .00 N. Type=Unspecified
8210 8220

Weight= 950.00 N. Type=Flange
8200 8230

Weight= 370.00 N. Type=Unspecified
8250 8260

Weight= 35.59 N. Type=Flange
8260 8270

Weight= 400.00 N. Type=Flange Valve
8270 8280

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 35.59 N. Type=Flange
8290 8300

Weight= 22.24 N. Type=Flange
8300 8310

Weight= 75.00 N. Type=Unspecified
8310 8320

Weight= 75.00 N. Type=Unspecified
8370 8380

Weight= 44.48 N. Type=Flange
8380 8390

Weight= 150.00 N. Type=Unspecified
8390 8400

Weight= .00 N. Type=Unspecified
8400 8410

Weight= 450.00 N. Type=Flange
8390 8420

Weight= 150.00 N. Type=Unspecified
8320 8430

Weight= 31.14 N. Type=Flange
8460 8470

Weight= 66.72 N. Type=Flange
8470 8480

Weight= 800.00 N. Type=Flange Valve
8480 8490

Weight= 66.72 N. Type=Flange
8600 8610

Weight= 191.27 N. Type=Flange
8610 8620

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 3,500.00 N. Type=Flange Valve
8620 8630

Weight= 191.27 N. Type=Flange
8700 8710

Weight= 115.65 N. Type=Flange
9130 8420

Weight= 44.48 N. Type=Flange
8230 9190

Weight= 115.65 N. Type=Flange
9210 9220

Weight= 115.65 N. Type=Flange
9220 8710

Weight= 50.00 N. Type=Flange
15490 15500

Weight= .00 N. Type=Unspecified
15500 15510

Weight= .00 N. Type=Unspecified
15510 15520

Weight= .00 N. Type=Unspecified
15510 15530

Weight= .00 N. Type=Unspecified
15530 15535

Weight= .00 N. Type=Unspecified
15560 15570

Weight= 115.65 N. Type=Flange
10020 10030

Weight= 115.65 N. Type=Flange
10040 10050

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Weight= 115.65 N. Type=Flange
10050 10060

Weight= 115.65 N. Type=Flange
10120 10130

Weight= 115.65 N. Type=Flange
10130 10140

Weight= 1,700.00 N. Type=Flange Valve

RIGIDS
10140 10150

Weight= 115.65 N. Type=Flange
10180 10190

Weight= 115.65 N. Type=Flange
10190 10200

Weight= 370.00 N. Type=Unspecified
10200 10210

Weight= .00 N. Type=Unspecified
10210 10220

Weight= 950.00 N. Type=Flange
10200 10230

Weight= 370.00 N. Type=Unspecified
10250 10260

Weight= 35.59 N. Type=Flange
10260 10270

Weight= 400.00 N. Type=Flange Valve
10270 10280

Weight= 35.59 N. Type=Flange
10290 10300

Weight= 22.24 N. Type=Flange

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
10300 10310

Weight= 75.00 N. Type=Unspecified
10310 10320

Weight= 75.00 N. Type=Unspecified
10370 10380

Weight= 44.48 N. Type=Flange
10380 10390

Weight= 150.00 N. Type=Unspecified
10390 10400

Weight= .00 N. Type=Unspecified
10400 10410

Weight= 450.00 N. Type=Flange
10390 10420

Weight= 150.00 N. Type=Unspecified
10320 10430

Weight= 31.14 N. Type=Flange
10460 10470

Weight= 66.72 N. Type=Flange
10470 10480

Weight= 800.00 N. Type=Flange Valve
10480 10490

Weight= 66.72 N. Type=Flange
10600 10610

Weight= 191.27 N. Type=Flange
10610 10620

Weight= 3,500.00 N. Type=Flange Valve
10620 10630

Weight= 191.27 N. Type=Flange
10700 10710

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= 115.65 N. Type=Flange
11130 10420

Weight= 44.48 N. Type=Flange
10230 11190

Weight= 115.65 N. Type=Flange
11210 11220

Weight= 115.65 N. Type=Flange
11220 10710

Weight= 50.00 N. Type=Flange
17490 17500

Weight= .00 N. Type=Unspecified
17500 17510

Weight= .00 N. Type=Unspecified
17510 17520

Weight= .00 N. Type=Unspecified
17510 17530

Weight= .00 N. Type=Unspecified
17530 17535

Weight= .00 N. Type=Unspecified
17560 17570

Weight= 115.65 N. Type=Flange
18000 18010

Weight= .00 N. Type=Unspecified
18010 18020

Weight= .00 N. Type=Unspecified

RIGIDS
18020 18040

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Weight= .00 N. Type=Unspecified
18045 18050

Weight= 235.76 N. Type=Flange
18020 18022

Weight= .00 N. Type=Unspecified
18027 18030

Weight= 235.76 N. Type=Flange
19000 19500

Weight= .00 N. Type=Unspecified
19500 19550

Weight= .00 N. Type=Unspecified
19580 19600

Weight= 235.76 N. Type=Flange

SIF's & TEE's
95 100

Node 100 Welding Tee Srf.Node= 101
160 170

Node 170 Welding Tee Srf.Node= 171
550 560

Node 560 Welding Tee Srf.Node= 561
630 640

Node 640 Welding Tee Srf.Node= 641
670 680

Node 680 Welding Tee Srf.Node= 681
705 730

Node 730 Welding Tee Srf.Node= 731
740 750

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node  750   Welding Tee   Srf.Node= 751
        775                                780


    Node  780   Welding Tee   Srf.Node= 781
        792                                870


    Node  792   Welding Tee
        910                                920


    Node  920   Welding Tee   Srf.Node= 921
        925                                930


    Node  930   Welding Tee   Srf.Node= 931
        935                                940


    Node  940   Welding Tee   Srf.Node= 941
       1480                               1490


    Node  1490   Welding Tee
       2090                               2100


    Node  2100   Welding Tee   Srf.Node=2101
       2160                               2170


    Node  2170   Welding Tee   Srf.Node=2171
       2550                               2560


    Node  2560   Welding Tee   Srf.Node=2561
       2630                               2640


    Node  2640   Welding Tee   Srf.Node=2641
       4090                               4100


    Node  4100   Welding Tee   Srf.Node=4101
       4160                               4170


    Node  4170   Welding Tee   Srf.Node=4171
       4550                               4560


    Node  4560   Welding Tee   Srf.Node=4561
       4630                               4640


    Node  4640   Welding Tee   Srf.Node=4641
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
6090 6100

Node 6100 Welding Tee Srf.Node=6101
6160 6170

Node 6170 Welding Tee Srf.Node=6171
6550 6560

Node 6560 Welding Tee Srf.Node=6561
6630 6640

Node 6640 Welding Tee Srf.Node=6641
8090 8100

Node 8100 Welding Tee Srf.Node=8101
8160 8170

Node 8170 Welding Tee Srf.Node=8171
8550 8560

Node 8560 Welding Tee Srf.Node=8561
8630 8640

Node 8640 Welding Tee Srf.Node=8641
10090 10100

Node 10100 Welding Tee Srf.Node=****
10160 10170

Node 10170 Welding Tee Srf.Node=****
10550 10560

Node 10560 Welding Tee Srf.Node=****
10630 10640

Node 10640 Welding Tee Srf.Node=****

REDUCERS
240 250

Diam2= 48.260 mm. Wall2= 3.683 mm.
280 290

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Diam2= 33.401 mm. Wall2= 3.378 mm.
430 440

Diam2= 114.300 mm. Wall2= 3.048 mm.
690 700

Diam2= 114.300 mm. Wall2= 3.048 mm.
1040 1045

Diam2= 114.300 mm. Wall2= 3.048 mm.
1120 1130

Diam2= 60.325 mm. Wall2= 2.769 mm.
1380 1390

Diam2= 114.300 mm. Wall2= 3.048 mm.
1495 1497

Diam2= 60.325 mm. Wall2= 2.769 mm.
1504 1506

Diam2= 60.325 mm. Wall2= 2.769 mm.
2240 2250

Diam2= 48.260 mm. Wall2= 3.683 mm.
2280 2290

Diam2= 33.401 mm. Wall2= 3.378 mm.
2430 2440

Diam2= 114.300 mm. Wall2= 3.048 mm.
2690 2700

Diam2= 114.300 mm. Wall2= 3.048 mm.
3120 3130

Diam2= 60.325 mm. Wall2= 2.769 mm.
4240 4250

Diam2= 48.260 mm. Wall2= 3.683 mm.
4280 4290

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Diam2= 33.401 mm. Wall2= 3.378 mm.
4430 4440

Diam2= 114.300 mm. Wall2= 3.048 mm.
4690 4700

Diam2= 114.300 mm. Wall2= 3.048 mm.
5120 5130

Diam2= 60.325 mm. Wall2= 2.769 mm.
6240 6250

Diam2= 48.260 mm. Wall2= 3.683 mm.
6280 6290

Diam2= 33.401 mm. Wall2= 3.378 mm.
6430 6440

Diam2= 114.300 mm. Wall2= 3.048 mm.
6690 6700

Diam2= 114.300 mm. Wall2= 3.048 mm.
7120 7130

Diam2= 60.325 mm. Wall2= 2.769 mm.
8240 8250

Diam2= 48.260 mm. Wall2= 3.683 mm.
8280 8290

Diam2= 33.401 mm. Wall2= 3.378 mm.
8430 8440

Diam2= 114.300 mm. Wall2= 3.048 mm.
8690 8700

Diam2= 114.300 mm. Wall2= 3.048 mm.
9120 9130

Diam2= 60.325 mm. Wall2= 2.769 mm.
10240 10250

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Diam2= 48.260 mm.   Wall2= 3.683 mm.
      10280                                 10290


    Diam2= 33.401 mm.   Wall2= 3.378 mm.
      10430                                 10440


    Diam2= 114.300 mm.   Wall2= 3.048 mm.
      10690                                 10700


    Diam2= 114.300 mm.   Wall2= 3.048 mm.
      11120                                 11130


    Diam2= 60.325 mm.   Wall2= 2.769 mm.

 RESTRAINTS

         20                                    30


 RESTRAINTS

    Node         20  Type  ANC     Cnode       7570   Dir Vec=    .000    .000
    .000   Tag = /V-25001D/4N

         80                                    90


 RESTRAINTS

    Node         90  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node         90  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

        150                                   160


 RESTRAINTS

    Node        160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node        160  Type  Z       Dir Vec=    .000    .000   1.000

        340                                   345


 RESTRAINTS

    Node        345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        345  Type  X       MU/YIELD/FORCE =         .30
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Dir Vec=   1.000    .000    .000

        345                                 350


 RESTRAINTS

    Node        350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        350  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

        440                                 444


 RESTRAINTS

    Node        444  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        444  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

        490                                 500


 RESTRAINTS

    Node        500  Type  Guide   MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000    .000

        520                                 530


 RESTRAINTS

    Node        530  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        530  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        580                                 590


 RESTRAINTS

    Node        590  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        590  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        680                                 705


 RESTRAINTS

    Node        705  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node        705  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        730                                 735


 RESTRAINTS

    Node        735  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        735  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        770                                 775


 RESTRAINTS

    Node        775  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        780                                 785


 RESTRAINTS

    Node        785  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        785  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        795                                 797


 RESTRAINTS

    Node        797  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        797  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000

        850                                 860


 RESTRAINTS

    Node        860  Type  ANC     Cnode      18030   Dir Vec=    .000    .000
    .000   Tag = /V-43001_N1

        870                                 875


 RESTRAINTS

    Node        875  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        875  Type  Y       Len/GAP/STIF2 =       5.00 mm.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

 RESTRAINTS

    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

        900                                  902


 RESTRAINTS

    Node        902  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        902  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node        902  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000

        902                                  905


 RESTRAINTS

    Node        905  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        920                                  925


 RESTRAINTS

    Node        925  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node        925  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        930                                  935


 RESTRAINTS

    Node        935  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node        935  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

        980                                  985


 RESTRAINTS

    Node        985  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       1030                                 1035


 RESTRAINTS
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

    Node       1035  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       1035  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       1035  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       1190                                1200


 RESTRAINTS

    Node       1200  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       1200  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       1230                                1240


 RESTRAINTS

    Node       1230  Type  ANC     Cnode      18050   Dir Vec=    .000    .000
    .000   Tag = /V-43001/N2

       1270                                1275


 RESTRAINTS

    Node       1275  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       1275  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       1320                                1325


 RESTRAINTS

    Node       1325  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       1350                                1360


 RESTRAINTS

    Node       1360  Type  ANC     Cnode      19600   Dir Vec=    .000    .000
    .000   Tag = /Q-43004/N1

       1420                                1425


 RESTRAINTS
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node       1425  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       1425  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       1430                                1435


 RESTRAINTS

    Node       1435  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       1435  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       1450                                1455


 RESTRAINTS

    Node       1455  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       1455  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       1497                                1500


 RESTRAINTS

    Node       1500  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       1500  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000


 RESTRAINTS

       1510                                1520


 RESTRAINTS

    Node       1520  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       1520  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       1520  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000

       7490                                7500


 RESTRAINTS

    Node       7490  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node       7490  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       7510                                7520


 RESTRAINTS

    Node       7520  Type  ANC     Dir Vec=    .000    .000    .000

       7540                                7550


 RESTRAINTS

    Node       7540  Type  ANC     Cnode       7535   Dir Vec=    .000    .000
    .000   Tag = /V-25001D/4N

       2020                                2030


 RESTRAINTS

    Node       2020  Type  ANC     Cnode       9570   Dir Vec=    .000    .000
    .000   Tag = /V-25001E/4N

       2080                                2090


 RESTRAINTS

    Node       2090  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       2090  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

       2150                                2160


 RESTRAINTS

    Node       2160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       2160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       2160  Type  Z       Dir Vec=    .000    .000   1.000

       2340                                2345


 RESTRAINTS

    Node       2345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       2345  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
       2345                                2350


 RESTRAINTS

    Node       2350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       2350  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       2440                                2445


 RESTRAINTS

    Node       2445  Type  X       Dir Vec=   1.000    .000    .000
    Node       2445  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       2490                                2500


 RESTRAINTS

    Node       2500  Type  Guide   MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000    .000

       2520                                2530


 RESTRAINTS

    Node       2530  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       2530  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       2580                                2590


 RESTRAINTS

    Node       2590  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       2590  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       3190                                3200


 RESTRAINTS

    Node       3200  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       3200  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
       9490                                9500


 RESTRAINTS

    Node       9490  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       9490  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       9510                                9520


 RESTRAINTS

    Node       9520  Type  ANC     Dir Vec=    .000    .000    .000


 RESTRAINTS

       9540                                9550


 RESTRAINTS

    Node       9540  Type  ANC     Cnode       9535   Dir Vec=    .000    .000
    .000   Tag = /V-25001E/4N

       4020                                4030


 RESTRAINTS

    Node       4020  Type  ANC     Cnode      11570   Dir Vec=    .000    .000
    .000   Tag = /V-25001C/4N

       4080                                4090


 RESTRAINTS

    Node       4090  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       4090  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

       4150                                4160


 RESTRAINTS

    Node       4160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       4160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       4160  Type  Z       Dir Vec=    .000    .000   1.000
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

```
       4340                                4345


 RESTRAINTS

    Node       4345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       4345  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       4345                                4350


 RESTRAINTS

    Node       4350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       4350  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       4440                                4445


 RESTRAINTS

    Node       4445  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       4445  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       4490                                4500


 RESTRAINTS

    Node       4500  Type  Guide   MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000    .000

       4520                                4530


 RESTRAINTS

    Node       4530  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       4530  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       4580                                4590


 RESTRAINTS

    Node       4590  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       4590  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

       5190                                5200


 RESTRAINTS

    Node       5200  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       5200  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      11490                               11500


 RESTRAINTS

    Node      11490  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      11490  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      11510                               11520


 RESTRAINTS

    Node      11520  Type  ANC     Dir Vec=    .000    .000    .000

      11540                               11550


 RESTRAINTS

    Node      11540  Type  ANC     Cnode      11535   Dir Vec=    .000    .000
    .000   Tag = /V-25001C/4N

       6020                                6030


 RESTRAINTS

    Node       6020  Type  ANC     Cnode      13570   Dir Vec=    .000    .000
    .000   Tag = /V-25001B/4N

       6080                                6090


 RESTRAINTS

    Node       6090  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       6090  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000


 RESTRAINTS
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
       6150                                6160


 RESTRAINTS

    Node       6160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       6160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       6160  Type  Z       Dir Vec=    .000    .000   1.000

       6340                                6345


 RESTRAINTS

    Node       6345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       6345  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       6345                                6350


 RESTRAINTS

    Node       6350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       6350  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       6440                                6445


 RESTRAINTS

    Node       6445  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       6445  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       6490                                6500


 RESTRAINTS

    Node       6500  Type  Guide   MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000    .000

       6520                                6530


 RESTRAINTS

    Node       6530  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       6530  Type  Z       MU/YIELD/FORCE =         .30
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Dir Vec=    .000    .000   1.000

       6580                                6590


 RESTRAINTS

    Node       6590  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       6590  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       7190                                7200


 RESTRAINTS

    Node       7200  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       7200  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      13490                               13500


 RESTRAINTS

    Node      13490  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      13490  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      13510                               13520


 RESTRAINTS

    Node      13520  Type  ANC     Dir Vec=    .000    .000    .000

      13540                               13550


 RESTRAINTS

    Node      13540  Type  ANC     Cnode      13535   Dir Vec=    .000    .000
    .000   Tag = /V-25001B/4N

       8020                                8030


 RESTRAINTS

    Node       8020  Type  ANC     Cnode      15570   Dir Vec=    .000    .000
    .000   Tag = /V-25001A/4N

       8080                                8090
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

 RESTRAINTS

    Node       8090  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       8090  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

       8150                                8160


 RESTRAINTS

    Node       8160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       8160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node       8160  Type  Z       Dir Vec=    .000    .000   1.000

       8340                                8345


 RESTRAINTS

    Node       8345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       8345  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       8345                                8350


 RESTRAINTS

    Node       8350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       8350  Type  X       MU/YIELD/FORCE =         .30

 RESTRAINTS

    Dir Vec=   1.000    .000    .000

       8440                                8445


 RESTRAINTS

    Node       8445  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       8445  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

       8490                                8500


 RESTRAINTS
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Node       8500  Type  Guide   MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000    .000

       8520                                8530


 RESTRAINTS

    Node       8530  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       8530  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       8580                                8590


 RESTRAINTS

    Node       8590  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node       8590  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000

       9190                                9200


 RESTRAINTS

    Node       9200  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node       9200  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      15490                               15500


 RESTRAINTS

    Node      15490  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      15490  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

      15510                               15520


 RESTRAINTS

    Node      15520  Type  ANC     Dir Vec=    .000    .000    .000

      15540                               15550


 RESTRAINTS

    Node      15540  Type  ANC     Cnode      15535   Dir Vec=    .000    .000
    .000   Tag = /V-25001A/4N
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

     10020                                10030


 RESTRAINTS

    Node      10020  Type  ANC     Cnode      17570   Dir Vec=    .000    .000
    .000   Tag = /V-25001F/4N

     10080                                10090


 RESTRAINTS

    Node      10090  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      10090  Type  Y       Len/GAP/STIF2 =      15.00 mm.
    MU/YIELD/FORCE =         .30   Dir Vec=    .000  -1.000    .000

     10150                                10160


 RESTRAINTS

    Node      10160  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000
    Node      10160  Type  Y       MU/YIELD/FORCE =         .30
    Dir Vec=    .000  -1.000    .000
    Node      10160  Type  Z       Dir Vec=    .000    .000   1.000

     10340                                10345


 RESTRAINTS

    Node      10345  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      10345  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

     10345                                10350


 RESTRAINTS

    Node      10350  Type  Z       MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
    Node      10350  Type  X       MU/YIELD/FORCE =         .30
    Dir Vec=   1.000    .000    .000

     10440                                10445


 RESTRAINTS

    Node      10445  Type  +Z      MU/YIELD/FORCE =         .30
    Dir Vec=    .000    .000   1.000
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Node 10445 Type X MU/YIELD/FORCE = .30
Dir Vec= 1.000 .000 .000

10490 10500

RESTRAINTS

Node 10500 Type Guide MU/YIELD/FORCE = .30
Dir Vec= .000 .000 .000

10520 10525

RESTRAINTS

Node 10525 Type X MU/YIELD/FORCE = .30

RESTRAINTS

Dir Vec= 1.000 .000 .000
Node 10525 Type Z MU/YIELD/FORCE = .30
Dir Vec= .000 .000 1.000

10580 10590

RESTRAINTS

Node 10590 Type X MU/YIELD/FORCE = .30
Dir Vec= 1.000 .000 .000
Node 10590 Type Z MU/YIELD/FORCE = .30
Dir Vec= .000 .000 1.000

11190 11200

RESTRAINTS

Node 11200 Type Z MU/YIELD/FORCE = .30
Dir Vec= .000 .000 1.000
Node 11200 Type X MU/YIELD/FORCE = .30
Dir Vec= 1.000 .000 .000

17490 17500

RESTRAINTS

Node 17490 Type Z MU/YIELD/FORCE = .30
Dir Vec= .000 .000 1.000
Node 17490 Type X MU/YIELD/FORCE = .30
Dir Vec= 1.000 .000 .000

17510 17520

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
 RESTRAINTS

    Node      17520  Type  ANC     Dir Vec=    .000    .000    .000

      17540                                17550


 RESTRAINTS

    Node      17540  Type  ANC     Cnode      17535   Dir Vec=    .000    .000
    .000   Tag = /V-25001F/4N

      18000                                18010


 RESTRAINTS

    Node      18000  Type  ANC     Dir Vec=    .000    .000    .000

      18042                                18045


 RESTRAINTS

    Node      18042  Type  ANC     Cnode      18040   Dir Vec=    .000    .000
    .000   Tag = /V-43001/N2

      18025                                18027


 RESTRAINTS

    Node      18025  Type  ANC     Cnode      18022   Dir Vec=    .000    .000
    .000   Tag = /V-43001_N1

      19000                                19500


 RESTRAINTS

    Node      19000  Type  ANC     Dir Vec=    .000    .000    .000

      19560                                19580


 RESTRAINTS

    Node      19560  Type  ANC     Cnode      19550   Dir Vec=    .000    .000
    .000   Tag = /Q-43004/N1



 FLANGES
         40                                   50
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
        130                                   140


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
        180                                   190


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
        200                                   230


    Location= To   Method= Peq
        260                                   270


    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.   SYC= 172,000 KPa
    SY1= 151,000 KPa   SY2= 172,000 KPa   SY3= 172,000 KPa   SY4= 157,000 KPa
    SY5= 172,000 KPa   SY6= 172,000 KPa   SY7= 172,000 KPa   SY8= 172,000 KPa
    SY9= 172,000 KPa
        300                                   310


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
        370                                   380


    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
        390                                   420


    Location= To   Method= NC-3658.3
        320                                   430
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Location= From Method= NC-3658.3 Class/Grade= ASME-2009M-150-2.3
G/C= 120.600 mm.
470 480

Location= Both Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
610 620

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 196.088 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
1045 1050

Location= To Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
1220 710

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
1280 1285

Location= To Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 302.387 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
1310 1315

Location= To Method= Peq
1373 1376

Location= To Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 111.125 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
1392 1396

Location= Both Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
2040 2050

Location= To Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C

FLANGES
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
2130 2140

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
2180 2190

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       2200                                  2230


    Location= To   Method= Peq
       2260                                  2270


    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.   SYC= 172,000 KPa
    SY1= 151,000 KPa   SY2= 172,000 KPa   SY3= 172,000 KPa   SY4= 157,000 KPa
    SY5= 172,000 KPa   SY6= 172,000 KPa   SY7= 172,000 KPa   SY8= 172,000 KPa
    SY9= 172,000 KPa
       2300                                  2310


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
       2370                                  2380


    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
       2390                                  2420


    Location= To   Method= NC-3658.3
       2320                                  2430


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
       2470                                  2480


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
       2610                                  2620


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
```

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       3220                                2710


    Location= Both   Method= Peq
       4040                                4050


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       4130                                4140


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       4180                                4190


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       4200                                4230


    Location= To   Method= Peq
       4260                                4270


    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
       4300                                4310


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
       4370                                4380
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CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Location= To Method= NC-3658.3 Class/Grade= ASME-2009M-300-2.3
G/C= 127.000 mm. Bolt Area= 1,042.000 mm.
4390 4420

Location= To Method= NC-3658.3
4320 4430

Location= From Method= NC-3658.3 Class/Grade= ASME-2009M-150-2.3
G/C= 120.600 mm.

FLANGES
4470 4480

Location= Both Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
4610 4620

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 196.088 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
5220 4710

Location= Both Method= Peq
6040 6050

Location= To Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
6130 6140

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3

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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       6180                                6190


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
       6200                                6230


    Location= To   Method= Peq
       6260                                6270


    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
       6300                                6310


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
       6370                                6380


    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
       6390                                6420


    Location= To   Method= NC-3658.3
       6320                                6430


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
       6470                                6480


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
      6610                                6620


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      7220                                6710


    Location= Both   Method= Peq
      8040                                8050


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      8130                                8140


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      8180                                8190


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa



 FLANGES
      8200                                8230


    Location= To   Method= Peq
      8260                                8270
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

Location= Both Method= NC-3658.3 Class/Grade= ASME-2009M-300-2.3
G/C= 114.300 mm. Bolt Area= 779.000 mm.
8300 8310

Location= From Method= NC-3658.3 Class/Grade= ASME-2009M-300-2.3
G/C= 88.900 mm. Bolt Area= 521.000 mm.
8370 8380

Location= To Method= NC-3658.3 Class/Grade= ASME-2009M-300-2.3
G/C= 127.000 mm. Bolt Area= 1,042.000 mm.
8390 8420

Location= To Method= NC-3658.3
8320 8430

Location= From Method= NC-3658.3 Class/Grade= ASME-2009M-150-2.3
G/C= 120.600 mm.
8470 8480

Location= Both Method= Peq Class/Grade= ASME-2009M-150-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 1,590.0 KPa (2)= 50.0 C
-> 1,530.0 KPa (3)= 100.0 C -> 1,330.0 KPa (4)= 150.0 C
-> 1,200.0 KPa (5)= 200.0 C -> 1,120.0 KPa (6)= 250.0 C
-> 1,050.0 KPa (7)= 300.0 C -> 1,000.0 KPa (8)= 325.0 C
-> 930.0 KPa (9)= 350.0 C -> 840.0 KPa (10)= 375.0 C -> 740.0 KPa
(11)= 400.0 C -> 650.0 KPa (12)= 425.0 C -> 550.0 KPa
(13)= 450.0 C -> 460.0 KPa
8610 8620

Location= Both Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 196.088 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C
-> 2,550.0 KPa (9)= 350.0 C -> 2,510.0 KPa (10)= 375.0 C
-> 2,480.0 KPa (11)= 400.0 C -> 2,430.0 KPa (12)= 425.0 C
-> 2,390.0 KPa (13)= 450.0 C -> 2,340.0 KPa
9220 8710

Location= Both Method= Peq
10040 10050

Location= To Method= Peq Class/Grade= ASME-2009M-300-2.3
G/C= 138.176 mm. T/P table (1)= 38.0 C -> 4,140.1 KPa (2)= 50.0 C
-> 4,000.1 KPa (3)= 100.0 C -> 3,480.1 KPa (4)= 150.0 C
-> 3,140.0 KPa (5)= 200.0 C -> 2,920.0 KPa (6)= 250.0 C
-> 2,750.0 KPa (7)= 300.0 C -> 2,610.0 KPa (8)= 325.0 C

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      10130                               10140


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      10180                               10190


    Location= To   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      10200                               10230


    Location= To   Method= Peq
      10260                               10270


    Location= Both   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 114.300 mm.   Bolt Area= 779.000 mm.
      10300                               10310


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 88.900 mm.   Bolt Area= 521.000 mm.
      10370                               10380


    Location= To   Method= NC-3658.3   Class/Grade= ASME-2009M-300-2.3
    G/C= 127.000 mm.   Bolt Area= 1,042.000 mm.
      10390                               10420


    Location= To   Method= NC-3658.3
      10320                               10430


    Location= From   Method= NC-3658.3   Class/Grade= ASME-2009M-150-2.3
    G/C= 120.600 mm.
      10470                               10480


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-150-2.3
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CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
    G/C= 138.176 mm.   T/P table ( 1)=  38.0 C   -> 1,590.0 KPa   ( 2)=  50.0 C
    -> 1,530.0 KPa   ( 3)=  100.0 C   -> 1,330.0 KPa   ( 4)=  150.0 C
    -> 1,200.0 KPa   ( 5)=  200.0 C   -> 1,120.0 KPa   ( 6)=  250.0 C
    -> 1,050.0 KPa   ( 7)=  300.0 C   -> 1,000.0 KPa   ( 8)=  325.0 C
    -> 930.0 KPa   ( 9)=  350.0 C   -> 840.0 KPa   (10)=  375.0 C   -> 740.0 KPa
    (11)=  400.0 C   -> 650.0 KPa   (12)=  425.0 C   -> 550.0 KPa
    (13)=  450.0 C   -> 460.0 KPa
      10610                               10620


    Location= Both   Method= Peq   Class/Grade= ASME-2009M-300-2.3
    G/C= 196.088 mm.   T/P table ( 1)=  38.0 C   -> 4,140.1 KPa   ( 2)=  50.0 C
    -> 4,000.1 KPa   ( 3)=  100.0 C   -> 3,480.1 KPa   ( 4)=  150.0 C
    -> 3,140.0 KPa   ( 5)=  200.0 C   -> 2,920.0 KPa   ( 6)=  250.0 C
    -> 2,750.0 KPa   ( 7)=  300.0 C   -> 2,610.0 KPa   ( 8)=  325.0 C
    -> 2,550.0 KPa   ( 9)=  350.0 C   -> 2,510.0 KPa   (10)=  375.0 C
    -> 2,480.0 KPa   (11)=  400.0 C   -> 2,430.0 KPa   (12)=  425.0 C
    -> 2,390.0 KPa   (13)=  450.0 C   -> 2,340.0 KPa
      11220                               10710


    Location= Both   Method= Peq



 EQUIPMENT LIMITS
       7540                                7550


    Nozzle Node = 7540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
       9540                                9550


    Nozzle Node = 9540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
      11540                               11550


    Nozzle Node = 11540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
    Interact. Mtd= Absolute
      13540                               13550


    Nozzle Node = 13540
    Limiting Loads:  A=pipe; B=ref; C=AxB;   FA= 5,600.00 N.   FB= 2,800.00 N.
    FC= 4,200.00 N.   MA= 1,680.00 N.m.   MB= 1,456.00 N.m.   MC= 1,120.00 N.m.
    Equipment Major Direction Vector= .0000  .0000  1.0000
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
Interact. Mtd= Absolute
15540 15550

Nozzle Node = 15540
Limiting Loads: A=pipe; B=ref; C=AxB; FA= 5,600.00 N. FB= 2,800.00 N.
FC= 4,200.00 N. MA= 1,680.00 N.m. MB= 1,456.00 N.m. MC= 1,120.00 N.m.
Equipment Major Direction Vector= .0000 .0000 1.0000
Interact. Mtd= Absolute
17540 17550

Nozzle Node = 17540
Limiting Loads: A=pipe; B=ref; C=AxB; FA= 5,600.00 N. FB= 2,800.00 N.
FC= 4,200.00 N. MA= 1,680.00 N.m. MB= 1,456.00 N.m. MC= 1,120.00 N.m.
Equipment Major Direction Vector= .0000 .0000 1.0000
Interact. Mtd= Absolute
18042 18045

Nozzle Node = 18042
Limiting Loads: A=pipe; B=ref; C=AxB; FA= 12,000.00 N. FB= 6,000.00 N.
FC= 6,000.00 N. MA= 9,000.00 N.m. MB= 6,000.00 N.m. MC= 6,000.00 N.m.
Equipment Major Direction Vector= -1.0000 .0000 .0000
Interact. Mtd= Absolute
18025 18027

Nozzle Node = 18025
Limiting Loads: A=pipe; B=ref; C=AxB; FA= 12,000.00 N. FB= 6,000.00 N.
FC= 9,000.00 N. MA= 9,000.00 N.m. MB= 6,000.00 N.m. MC= 7,800.00 N.m.
Equipment Major Direction Vector= .0000 1.0000 .0000
Interact. Mtd= Absolute
19580 19600

Nozzle Node = 19560
Limiting Loads: A=pipe; B=ref; C=AxB; FA= 7,784.00 N. FB= 14,456.00 N.
FC= 14,456.00 N. MA= 6,304.00 N.m. MB= 4,745.00 N.m. MC= 4,745.00 N.m.
Equipment Major Direction Vector= .0000 1.0000 .0000
Interact. Mtd= Absolute

FORCES AND MOMENTS
300 310

Node 310 FX1= 881.00 N.
1373 1376

Node 1373 FX1= 2,007.00 N.
2300 2310

Node 2310 FX1= 881.00 N.

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
       4300                                4310


    Node  4310   FX1= 881.00 N.
       6300                                6310


    Node  6310   FX1= 881.00 N.
       8300                                8310


    Node  8310   FX1= 881.00 N.
      10300                               10310


    Node  10310   FX1= 881.00 N.



 UNIFORM LOAD Changes
        20                                  30


   Vector1 in G-s
   X1 Dir = .70 g's  Y1 Dir = .00 g's  Z1 Dir = .00 g's
   Vector2 in G-s
   X2 Dir = .00 g's  Y2 Dir = .70 g's  Z2 Dir = .00 g's
   Vector3 in G-s
   X3 Dir = .00 g's  Y3 Dir = .00 g's  Z3 Dir = .50 g's
   Vector4 in F/L
    X4 Dir = .00 N./cm.   Y4 Dir = .00 N./cm.   Z4 Dir = .00 N./cm.
   Vector5 in F/L
    X5 Dir = .00 N./cm.   Y5 Dir = .00 N./cm.   Z5 Dir = .00 N./cm.
   Vector6 in F/L
    X6 Dir = .00 N./cm.   Y6 Dir = .00 N./cm.   Z6 Dir = .00 N./cm.
   Vector7 in F/L
    X7 Dir = .00 N./cm.   Y7 Dir = .00 N./cm.   Z7 Dir = .00 N./cm.
   Vector8 in F/L
    X8 Dir = .00 N./cm.   Y8 Dir = .00 N./cm.   Z8 Dir = .00 N./cm.
   Vector9 in F/L
    X9 Dir = .00 N./cm.   Y9 Dir = .00 N./cm.   Z9 Dir = .00 N./cm.



 WIND/WAVE
        20                                  30


   WIND   Wind Shape= .800

 INPUT UNITS USED...

 UNITS=    SI (m NOM/SCH INPUT= ON
       LENGTH             inches        x     25.400   =   mm.
       FORCE              pounds        x      4.448   =    N.
       MASS(dynamics)     pounds        x      0.454   =   Kg.
       MOMENTS(INPUT)     inch-pounds   x      0.113   =    N.m.
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
       MOMENTS(OUTPUT)    inch-pounds   x      0.113   =    N.m.
       STRESS             lbs./sq.in.   x      6.895   =      KPa
       TEMP. SCALE        degrees F.    x      0.556   =   C
       PRESSURE           psig          x      6.895   =      KPa
       ELASTIC MODULUS    lbs./sq.in.   x      6.895   =      KPa
       PIPE DENSITY       lbs./cu.in.   x      0.028   =   kg./cu.cm.
       INSULATION DENS.   lbs./cu.in.   x      0.028   =   kg./cu.cm.
       FLUID DENSITY      lbs./cu.in.   x      0.028   =   kg./cu.cm.
       TRANSL. STIF       lbs./in.      x      1.751   =   N./cm.
       ROTATIONAL STIF    in.lb./deg.   x      0.113   =    N.m./deg
       UNIFORM LOAD       lb./in.       x      1.751   =   N./cm.
       G LOAD             g's           x      1.000   =   g's
       WIND LOAD          lbs./sq.in.   x      6.895   =      KPa
       ELEVATION          inches        x      0.025   =    m.
       COMPOUND LENGTH    inches        x     25.400   =   mm.
       DIAMETER           inches        x     25.400   =   mm.
       WALL THICKNESS     inches        x     25.400   =   mm.

 SETUP FILE PARAMETERS
 ------------------------------------------------------------------------------
  CONNECT GEOMETRY THRU CNODES =    YES
  MIN ALLOWED BEND ANGLE =           0.100000
  MAX ALLOWED BEND ANGLE =            95.0000
  BEND LENGTH ATTACHMENT PERCENT =    5.00000
  MIN ANGLE TO ADJACENT BEND PT =    0.100000
  LOOP CLOSURE TOLERANCE =            25.4000     mm.
  THERMAL BOWING HORZ TOLERANCE =    0.100000E-03
  AUTO NODE NUMBER INCREMENT=         20.0000
  Z AXIS UP=                         NO
  USE PRESSURE STIFFENING =         DEFAULT
  ALPHA TOLERANCE =                  0.500000E-01
  RESLD-FORCE =                      NO
  HGR DEF RESWGT STIF =              0.175127E+13 N./cm.
  DECOMP SNG TOL =                   0.100000E+11
  BEND AXIAL SHAPE =                YES
  FRICT STIF =                       0.175127E+07 N./cm.
  FRICT NORM FORCE VAR =             0.150000
  FRICT ANGLE VAR =                   15.0000
  FRICT SLIDE MULT =                  1.00000
  ROD TOLERANCE =                     1.00000
  ROD INC =                           2.00000
  INCORE NUMERICAL CHECK =           NO
  OUTCORE NUMERICAL CHECK =          NO
  DEFAULT TRANS RESTRAINT STIFF=     0.175127E+13    N./cm.
  DEFAULT ROT RESTRAINT STIFF=       0.112985E+10  N.m./deg
  IGNORE SPRING HANGER STIFFNESS =   NO
  MISSING MASS ZPA =                EXTRACTED
  MIN WALL MILL TOLERANCE =           12.5000
  WRC-107 VERSION =                 MAR 79 1B1/2B1
  WRC-107 INTERPOLATION =           LAST VALUE
  DEFAULT AMBIENT TEMPERATURE=        29.0000       C
  BOURDON PRESSURE=                 NONE
  COEFFICIENT OF FRICTION (MU) =     0.300000
  INCLUDE SPRG STIF IN HGR OPE =    NO
  INCLUDE INSULATION IN HYDROTEST = NO
  REDUCED INTERSECTION =            B31.1(POST1980)
  USE WRC329                        NO
```

```
CAESAR II  Ver.14.00.00.0910,  (Build 231113)   Date: JUL 9, 2024   Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo
  NO REDUCED SIF FOR RFT AND WLT    NO
  B31.1 REDUCED Z FIX =             YES
  CLASS 1 BRANCH FLEX               NO
  ALL STRESS CASES CORRODED =       YES
  ADD TORSION IN SL STRESS =        DEFAULT
  ADD F/A IN STRESS =               DEFAULT
  OCCASIONAL LOAD FACTOR =               0.000000
  DEFAULT CODE =                    B31.3 2022
  B31.3 SUS CASE SIF FACTOR =            0.000000
  ALLOW USERS BEND SIF =            YES
  USE SCHNEIDER                     NO
  YIELD CRITERION STRESS =          MAX 3D SHEAR
  USE PD/4T                          NO
  BASE HOOP STRESS ON ? =            ID
  EN13480 USE IN OUTPLANE SIFS=      NO
  LIBERAL EXPANSION ALLOWABLE=      YES
  B31.3 SEC 319.2.3C SAXIAL=        Default
  B31.3 WELDING/CONTOUR TEE ISB16.9 FALSE
  PRESSURE VARIATION IN EXP CASE=   DEFAULT
  Use Alt Rules Stress Range         NO
  IMPLEMENT B313 CODE CASE 178      YES
  IGNORE B31.1/B31.3 Wc FACTOR=     YES
  APPLY B31J SIFS & FLEX=           DEFAULT
  ENFORCE B31J SIFS ONLY=           FALSE
  USE FRP SIF =                     YES
  USE FRP FLEX =                    YES
  BS 7159 Pressure Stiffening=      Design Strain
  FRP Emod (axial) =                 0.220632E+08    KPa
  FRP Ratio Gmod/Emod (axial) =      0.250000
  FRP Ea/Eh*Vh/a =                   0.152730
  FRP Laminate Type =               THREE
  FRP Alpha =                         21.6000              C
  FRP Density =                      0.166079E-02 kg./cu.cm.
  EXCLUDE f2 FROM UKOOA BENDING =   NO



 EXECUTION CONTROL PARAMETERS

    Rigid/ExpJt Print Flag .....    1.000
    Bourdon Option .............     .000
    Loop Closure Flag ..........    2.000
    Thermal Bowing Delta Temp ..     .000 C
    Liberal Allowable Flag .....    1.000
    Uniform Load Option ........    1.000

    Ambient Temperature ........   10.500 C
    Plastic (FRP) Alpha ........   21.600
    Plastic (FRP) GMOD/EMODa ...     .250
    Plastic (FRP) Laminate Type.    3.000
    Eqn Optimizer ..............     .000
    Node Selection .............     .000
    Eqn Ordering ...............     .000
    Collins ....................     .000
    Degree Determination .......     .000
    User Eqn Control ...........     .000
    North Direction ............      +Y
```

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

COORDINATE REPORT

NODE	X (mm.)	Y (mm.)	Z (mm.)
20	61999.996	76150.000	34124.000
30	61999.996	76150.000	34212.898
40	61999.996	76150.000	34312.910
50	61999.996	76150.000	34401.809
60	61999.996	76150.000	34490.707
70	61999.996	76150.000	34743.121
80	61999.996	75745.187	34743.121
90	61179.996	75745.187	34743.121
95	60793.789	75745.187	34743.121
100	60569.660	75745.187	34743.121
110	60312.484	75745.187	34743.121
120	60312.484	75897.586	34743.121
130	60312.484	75986.484	34743.121
140	60312.484	76513.484	34743.121
150	60312.484	76602.383	34743.121
160	60312.484	76652.383	34743.121
170	60312.484	76805.633	34743.121
180	60312.484	76910.406	34743.121
190	60312.484	76999.305	34743.121
200	60312.484	77151.805	34743.121
210	60312.484	77151.805	34952.121
220	60312.484	77151.805	35219.121
200	60312.484	77151.805	34743.121
230	60312.484	77304.305	34743.121
100	60569.660	75745.187	34743.121
240	60569.660	75745.187	34841.547
250	60569.660	75745.187	34930.445
260	60569.660	75745.187	34998.707
270	60569.660	75745.187	35315.707
280	60569.660	75745.187	35383.969
290	60569.660	75745.187	35447.469
300	60569.660	75745.187	35512.555
310	60569.660	75745.187	35617.555
320	60453.781	75745.187	35617.555
170	60312.484	76805.633	34743.121
330	60401.383	76805.633	34743.121
340	61015.746	76805.633	34743.121
345	61015.746	77005.633	34743.121
350	61015.746	77815.633	34743.121
360	61015.746	78016.406	34743.121
370	60939.547	78016.406	34743.121
380	60866.523	78016.406	34743.121
390	60732.379	78016.406	34743.121
400	60732.379	78016.406	34991.121
410	60732.379	78016.406	35646.121
390	60732.379	78016.406	34743.121
420	60598.234	78016.406	34743.121
320	60453.781	75745.187	35617.555
430	60387.105	75745.187	35617.555
440	60285.504	75745.187	35590.566
444	60185.504	75745.187	35590.566
450	59637.805	75745.187	35590.566
460	59637.805	75745.187	35438.168

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

470	59637.805	75745.187	35361.969
480	59637.805	75745.187	35036.969
490	59637.805	75745.187	34960.770
500	59637.805	75745.187	34710.563
510	59637.805	75745.187	34250.992
520	59637.805	75746.773	33838.242
530	59637.805	77546.680	33820.105
540	59637.805	79527.703	33800.145
550	60182.316	79527.703	33793.793
560	60312.492	79527.703	33793.793
570	60312.492	79527.703	34252.582
580	60312.492	79527.703	34743.121
590	60312.492	79248.602	34743.121
600	60312.492	79108.602	34743.121
610	60312.492	79007.000	34743.121
620	60312.492	78260.875	34743.121
630	60312.492	78159.273	34743.121
640	60312.492	78016.398	34743.121
560	60312.492	79527.703	33793.793
650	60312.492	79527.703	33423.906
660	60923.680	79527.703	33417.555
670	60923.680	78889.531	33411.203
680	60923.680	78695.859	33411.203
640	60312.492	78016.398	34743.121
690	60312.492	77873.523	34743.121
700	60312.492	77733.820	34743.121
710	60312.492	77644.922	34743.121
680	60923.680	78695.859	33411.203
720	61139.578	78695.859	33412.789
680	60923.680	78695.859	33411.203
705	60023.723	78695.859	33402.273
730	56923.180	78695.859	33371.516
735	56013.223	78695.859	33362.594
740	54494.305	78695.859	33347.703
750	53019.516	78695.859	33333.414
760	52422.617	78695.859	33327.063
770	52422.617	77764.000	33317.539
775	52422.617	77317.023	33312.891
780	52422.617	76848.016	33308.012
785	52422.617	75523.086	33294.590
790	52422.617	74027.031	33279.438
792	52422.617	72727.102	33266.051
795	52422.617	72227.125	33260.902
797	52422.617	72027.133	33258.844
800	52422.617	70172.578	33239.746
810	52422.617	70172.578	32358.746
850	50865.277	70172.578	32358.746
860	50760.504	70172.578	32358.746
792	52422.617	72727.102	33266.051
870	52206.719	72727.102	33266.051
875	52002.695	72727.102	33266.051
880	51117.695	72727.102	33266.051
890	51117.695	72727.102	37753.914
900	51876.520	72727.102	37761.852
902	51876.520	75521.031	37790.352
905	51876.520	77545.922	37811.008
910	51876.520	78695.859	37822.738

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

920	52919.508	78695.859	37833.852
925	55973.230	78695.859	37864.121
930	56923.184	78695.859	37873.539
935	60003.730	78695.859	37904.102
940	60923.684	78695.859	37913.227
950	61139.582	78695.859	37914.813
780	52422.617	76848.016	33308.012
960	52422.617	76846.430	33501.688
970	52422.617	76846.430	33876.336
980	52422.617	78252.953	33890.625
985	53261.320	78252.953	33899.039
990	54321.266	78252.953	33909.676
1000	54321.266	78252.953	34585.141
1010	54321.266	78252.953	34661.340
1012	54321.266	78252.953	34753.414
1016	54321.266	78252.953	35147.414
1020	54321.266	78252.953	35239.488
1030	54321.266	78252.953	35469.676
1035	54728.641	78252.953	35469.676
1040	54908.641	78252.953	35469.676
1045	55048.340	78252.953	35496.664
1050	55127.715	78252.953	35496.664
730	56923.180	78695.859	33371.516
1070	56923.180	78889.531	33371.516
940	60923.684	78695.859	37913.227
1080	60923.684	78889.531	37913.227
930	56923.184	78695.859	37873.539
1090	56923.184	78889.531	37873.539
750	53019.516	78695.859	33333.414
1100	53019.516	78889.531	33333.414
920	52919.508	78695.859	37833.852
1110	52919.508	78889.531	37833.852
640	60312.492	78016.398	34743.121
1120	60436.316	78016.398	34743.121
1130	60525.215	78016.398	34743.121
1130	60525.211	78016.406	34743.121

COORDINATE REPORT

NODE	X (mm.)	Y (mm.)	Z (mm.)
420	60598.234	78016.406	34743.121
230	60312.484	77304.305	34743.121
1190	60312.484	77393.203	34743.121
1200	60312.484	77467.812	34743.121
1210	60312.484	77542.422	34743.121
1220	60312.484	77631.320	34743.121
1220	60312.492	77631.320	34743.121
710	60312.492	77644.922	34743.121
1230	50247.504	70172.578	33808.746
1240	50247.504	70172.578	33913.520
1250	50247.504	70172.578	35242.258
1260	50247.504	68721.602	35258.133
1270	51996.930	68721.602	35275.594
1275	51996.930	70221.523	35290.906
1280	51996.930	71831.516	35307.344
1285	51996.930	71936.289	35308.145
1290	51996.930	72041.062	35308.945

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

1300	51996.930	72063.289	35308.945
1310	51996.930	72085.516	35308.945
1315	51996.930	72190.289	35309.746
1320	51996.930	72295.062	35310.547
1325	51996.930	73741.453	35325.566
1330	51996.930	74705.352	35335.574
1340	50997.508	74705.352	35346.152
1350	50997.508	74324.352	35346.152
1360	50997.508	74219.578	35346.152
1050	55127.715	78252.953	35496.664
1373	55279.715	78252.953	35496.664
1376	55279.715	78252.953	35340.664
1380	55279.715	78252.953	35267.641
1390	55279.715	78252.953	35166.039
1392	55279.715	78252.953	35086.664
1396	55279.715	78252.953	34761.664
1400	55279.715	78252.953	34682.289
1410	55279.715	78252.953	34350.973
1420	55279.715	78252.953	34042.996
1425	55279.715	77546.953	34042.996
1430	55279.715	75795.500	34042.996
1435	52503.754	75795.500	34042.996
1440	52023.754	75795.500	34042.996
1450	52023.754	76030.453	33808.047
1455	52023.754	77340.953	33808.047
1460	52023.754	77617.953	33808.047
1470	52023.754	77617.953	31117.234
1480	52023.754	77617.953	31015.635
1490	52023.754	77617.953	30910.635
1495	52023.754	77706.953	30910.635
1497	52023.754	77808.555	30910.635
1500	52023.754	78017.953	30910.635
1490	52023.754	77617.953	30910.635
1504	52023.754	77617.953	30805.635
1506	52023.754	77617.953	30704.035
1505	52023.754	77617.953	29280.635
1510	54323.754	77617.953	29280.635
1520	54323.754	77767.953	29280.635
7490	61999.996	65500.000	30585.000
7500	61999.996	65500.000	32310.000
7510	61999.996	74500.000	32310.000
7520	61999.996	74500.000	30585.000
7510	61999.996	74500.000	32310.000
7530	61999.996	76150.000	32310.000
7540	61999.996	76150.000	33754.000
7550	61999.996	76150.000	33874.000
7560	61999.996	76150.000	34035.102
20	61999.996	76150.000	34124.000
2020	57999.496	76150.000	34084.313
2030	57999.496	76150.000	34173.211
2040	57999.496	76150.000	34273.223
2050	57999.496	76150.000	34362.121
2060	57999.496	76150.000	34451.020
2070	57999.496	76150.000	34703.434
2080	57999.496	75745.187	34703.434
2090	57179.496	75745.187	34703.434
2100	56569.160	75745.187	34703.434

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

2110	56311.984	75745.187	34703.434
2120	56311.984	75897.586	34703.434
2130	56311.984	75986.484	34703.434
2140	56311.984	76513.484	34703.434
2150	56311.984	76602.383	34703.434
2160	56311.984	76652.383	34703.434
2170	56311.984	76805.633	34703.434
2180	56311.984	76910.406	34703.434
2190	56311.984	76999.305	34703.434
2200	56311.984	77151.805	34703.434
2210	56311.984	77151.805	34912.434
2220	56311.984	77151.805	35179.434
2200	56311.984	77151.805	34703.434
2230	56311.984	77304.305	34703.434
2100	56569.160	75745.187	34703.434
2240	56569.160	75745.187	34801.859
2250	56569.160	75745.187	34890.758
2260	56569.160	75745.187	34959.020
2270	56569.160	75745.187	35276.020
2280	56569.160	75745.187	35344.281
2290	56569.160	75745.187	35407.781
2300	56569.160	75745.187	35472.867
2310	56569.160	75745.187	35577.867
2320	56453.281	75745.187	35577.867
2170	56311.984	76805.633	34703.434
2330	56400.883	76805.633	34703.434
2340	57015.246	76805.633	34703.434
2345	57015.246	77005.633	34703.434
2350	57015.246	77815.633	34703.434
2360	57015.246	78016.406	34703.434
2370	56939.047	78016.406	34703.434
2380	56866.023	78016.406	34703.434
2390	56731.879	78016.406	34703.434
2400	56731.879	78016.406	34951.434
2410	56731.879	78016.406	35606.434
2390	56731.879	78016.406	34703.434
2420	56597.734	78016.406	34703.434
2320	56453.281	75745.187	35577.867
2430	56386.605	75745.187	35577.867
2440	56285.004	75745.187	35550.879
2445	56185.004	75745.187	35550.879
2450	55637.305	75745.187	35550.879
2460	55637.305	75745.187	35398.480
2470	55637.305	75745.187	35322.281
2480	55637.305	75745.187	34997.281
2490	55637.305	75745.187	34921.082
2500	55637.305	75745.187	34670.875
2510	55637.305	75745.187	34211.305
2520	55637.305	75746.773	33798.555
2530	55637.305	77546.680	33780.418
2540	55637.305	79527.703	33760.457
2550	56181.816	79527.703	33754.105
2560	56311.992	79527.703	33754.105
2570	56311.992	79527.703	34212.895
2580	56311.992	79527.703	34703.434
2590	56311.992	79248.602	34703.434
2600	56311.992	79108.602	34703.434

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

2610	56311.992	79007.000	34703.434
2620	56311.992	78260.875	34703.434
2630	56311.992	78159.273	34703.434
2640	56311.992	78016.398	34703.434
2560	56311.992	79527.703	33754.105
2650	56311.992	79527.703	33384.219
2660	56923.180	79527.703	33377.867
1070	56923.180	78889.531	33371.516
2640	56311.992	78016.398	34703.434
2690	56311.992	77873.523	34703.434
2700	56311.992	77733.820	34703.434
2710	56311.992	77644.922	34703.434
2640	56311.992	78016.398	34703.434
3120	56435.816	78016.398	34703.434
3130	56524.715	78016.398	34703.434

COORDINATE REPORT

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NODE	X	Y	Z
3130	56524.711	78016.406	34703.434
2420	56597.734	78016.406	34703.434
2230	56311.984	77304.305	34703.434
3190	56311.984	77393.203	34703.434
3200	56311.984	77467.812	34703.434
3210	56311.984	77542.422	34703.434
3220	56311.984	77631.320	34703.434
3220	56311.992	77631.320	34703.434
2710	56311.992	77644.922	34703.434
9490	57999.496	65500.000	30545.312
9500	57999.496	65500.000	32270.312
9510	57999.496	74500.000	32270.312
9520	57999.496	74500.000	30545.312
9510	57999.496	74500.000	32270.312
9530	57999.496	76150.000	32270.312
9540	57999.496	76150.000	33714.313
9550	57999.496	76150.000	33834.313
9560	57999.496	76150.000	33995.414
2020	57999.496	76150.000	34084.313
4020	62000.000	76150.000	38626.023
4030	62000.000	76150.000	38714.922
4040	62000.000	76150.000	38814.934
4050	62000.000	76150.000	38903.832
4060	62000.000	76150.000	38992.730
4070	62000.000	76150.000	39245.145
4080	62000.000	75745.187	39245.145
4090	61180.000	75745.187	39245.145
4100	60569.664	75745.187	39245.145
4110	60312.488	75745.187	39245.145
4120	60312.488	75897.586	39245.145
4130	60312.488	75986.484	39245.145
4140	60312.488	76513.484	39245.145
4150	60312.488	76602.383	39245.145
4160	60312.488	76652.383	39245.145
4170	60312.488	76805.633	39245.145
4180	60312.488	76910.406	39245.145
4190	60312.488	76999.305	39245.145
4200	60312.488	77151.805	39245.145

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

4210	60312.488	77151.805	39454.145
4220	60312.488	77151.805	39721.145
4200	60312.488	77151.805	39245.145
4230	60312.488	77304.305	39245.145
4100	60569.664	75745.187	39245.145
4240	60569.664	75745.187	39343.570
4250	60569.664	75745.187	39432.469
4260	60569.664	75745.187	39500.730
4270	60569.664	75745.187	39817.730
4280	60569.664	75745.187	39885.992
4290	60569.664	75745.187	39949.492
4300	60569.664	75745.187	40014.578
4310	60569.664	75745.187	40119.578
4320	60453.785	75745.187	40119.578
4170	60312.488	76805.633	39245.145
4330	60401.387	76805.633	39245.145
4340	61015.750	76805.633	39245.145
4345	61015.750	77005.633	39245.145
4350	61015.750	77815.633	39245.145
4360	61015.750	78016.406	39245.145
4370	60939.551	78016.406	39245.145
4380	60866.527	78016.406	39245.145
4390	60732.383	78016.406	39245.145
4400	60732.383	78016.406	39493.145
4410	60732.383	78016.406	40148.145
4390	60732.383	78016.406	39245.145
4420	60598.238	78016.406	39245.145
4320	60453.785	75745.187	40119.578
4430	60387.109	75745.187	40119.578
4440	60285.508	75745.187	40092.590
4445	60185.508	75745.187	40092.590
4450	59637.809	75745.187	40092.590
4460	59637.809	75745.187	39940.191
4470	59637.809	75745.187	39863.992
4480	59637.809	75745.187	39538.992
4490	59637.809	75745.187	39462.793
4500	59637.809	75745.187	39212.586
4510	59637.809	75745.187	38753.016
4520	59637.809	75746.773	38340.266
4530	59637.809	77546.680	38322.129
4540	59637.809	79527.703	38302.168
4550	60182.320	79527.703	38295.816
4560	60312.496	79527.703	38295.816
4570	60312.496	79527.703	38754.605
4580	60312.496	79527.703	39245.145
4590	60312.496	79248.602	39245.145
4600	60312.496	79108.602	39245.145
4610	60312.496	79007.000	39245.145
4620	60312.496	78260.875	39245.145
4630	60312.496	78159.273	39245.145
4640	60312.496	78016.398	39245.145
4560	60312.496	79527.703	38295.816
4650	60312.496	79527.703	37925.930
4660	60923.684	79527.703	37919.578
1080	60923.684	78889.531	37913.227
4640	60312.496	78016.398	39245.145
4690	60312.496	77873.523	39245.145

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

4700	60312.496	77733.820	39245.145
4710	60312.496	77644.922	39245.145
4640	60312.496	78016.398	39245.145
5120	60436.320	78016.398	39245.145
5130	60525.219	78016.398	39245.145
5130	60525.215	78016.406	39245.145
4420	60598.238	78016.406	39245.145
4230	60312.488	77304.305	39245.145
5190	60312.488	77393.203	39245.145
5200	60312.488	77467.812	39245.145
5210	60312.488	77542.422	39245.145
5220	60312.488	77631.320	39245.145
5220	60312.496	77631.320	39245.145
4710	60312.496	77644.922	39245.145
11490	62000.000	65500.000	35087.023
11500	62000.000	65500.000	36812.023
11510	62000.000	74500.000	36812.023
11520	62000.000	74500.000	35087.023
11510	62000.000	74500.000	36812.023
11530	62000.000	76150.000	36812.023
11540	62000.000	76150.000	38256.023
11550	62000.000	76150.000	38376.023
11560	62000.000	76150.000	38537.125
4020	62000.000	76150.000	38626.023
6020	57999.500	76150.000	38586.336
6030	57999.500	76150.000	38675.234
6040	57999.500	76150.000	38775.246
6050	57999.500	76150.000	38864.145
6060	57999.500	76150.000	38953.043
6070	57999.500	76150.000	39205.457
6080	57999.500	75745.187	39205.457
6090	57179.500	75745.187	39205.457
6100	56569.164	75745.187	39205.457
6110	56311.988	75745.187	39205.457
6120	56311.988	75897.586	39205.457
6130	56311.988	75986.484	39205.457
6140	56311.988	76513.484	39205.457
6150	56311.988	76602.383	39205.457
6160	56311.988	76652.383	39205.457
6170	56311.988	76805.633	39205.457
6180	56311.988	76910.406	39205.457
6190	56311.988	76999.305	39205.457
6200	56311.988	77151.805	39205.457
6210	56311.988	77151.805	39414.457
6220	56311.988	77151.805	39681.457
6200	56311.988	77151.805	39205.457
6230	56311.988	77304.305	39205.457
6100	56569.164	75745.187	39205.457
6240	56569.164	75745.187	39303.883
6250	56569.164	75745.187	39392.781
6260	56569.164	75745.187	39461.043

COORDINATE REPORT

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NODE	X	Y	Z
6270	56569.164	75745.187	39778.043
6280	56569.164	75745.187	39846.305

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

6290	56569.164	75745.187	39909.805
6300	56569.164	75745.187	39974.891
6310	56569.164	75745.187	40079.891
6320	56453.285	75745.187	40079.891
6170	56311.988	76805.633	39205.457
6330	56400.887	76805.633	39205.457
6340	57015.250	76805.633	39205.457
6345	57015.250	77005.633	39205.457
6350	57015.250	77815.633	39205.457
6360	57015.250	78016.406	39205.457
6370	56939.051	78016.406	39205.457
6380	56866.027	78016.406	39205.457
6390	56731.883	78016.406	39205.457
6400	56731.883	78016.406	39453.457
6410	56731.883	78016.406	40108.457
6390	56731.883	78016.406	39205.457
6420	56597.738	78016.406	39205.457
6320	56453.285	75745.187	40079.891
6430	56386.609	75745.187	40079.891
6440	56285.008	75745.187	40052.902
6445	56185.008	75745.187	40052.902
6450	55637.309	75745.187	40052.902
6460	55637.309	75745.187	39900.504
6470	55637.309	75745.187	39824.305
6480	55637.309	75745.187	39499.305
6490	55637.309	75745.187	39423.105
6500	55637.309	75745.187	39172.898
6510	55637.309	75745.187	38713.328
6520	55637.309	75746.773	38300.578
6530	55637.309	77546.680	38282.441
6540	55637.309	79527.703	38262.480
6550	56181.820	79527.703	38256.129
6560	56311.996	79527.703	38256.129
6570	56311.996	79527.703	38714.918
6580	56311.996	79527.703	39205.457
6590	56311.996	79248.602	39205.457
6600	56311.996	79108.602	39205.457
6610	56311.996	79007.000	39205.457
6620	56311.996	78260.875	39205.457
6630	56311.996	78159.273	39205.457
6640	56311.996	78016.398	39205.457
6560	56311.996	79527.703	38256.129
6650	56311.996	79527.703	37886.242
6660	56923.184	79527.703	37879.891
1090	56923.184	78889.531	37873.539
6640	56311.996	78016.398	39205.457
6690	56311.996	77873.523	39205.457
6700	56311.996	77733.820	39205.457
6710	56311.996	77644.922	39205.457
6640	56311.996	78016.398	39205.457
7120	56435.820	78016.398	39205.457
7130	56524.719	78016.398	39205.457
7130	56524.715	78016.406	39205.457
6420	56597.738	78016.406	39205.457
6230	56311.988	77304.305	39205.457
7190	56311.988	77393.203	39205.457
7200	56311.988	77467.812	39205.457

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

7210	56311.988	77542.422	39205.457
7220	56311.988	77631.320	39205.457
7220	56311.996	77631.320	39205.457
6710	56311.996	77644.922	39205.457
13490	57999.500	65500.000	35047.336
13500	57999.500	65500.000	36772.336
13510	57999.500	74500.000	36772.336
13520	57999.500	74500.000	35047.336
13510	57999.500	74500.000	36772.336
13530	57999.500	76150.000	36772.336
13540	57999.500	76150.000	38216.336
13550	57999.500	76150.000	38336.336
13560	57999.500	76150.000	38497.438
6020	57999.500	76150.000	38586.336
8020	53995.824	76150.000	38546.648
8030	53995.824	76150.000	38635.547
8040	53995.824	76150.000	38735.559
8050	53995.824	76150.000	38824.457
8060	53995.824	76150.000	38913.355
8070	53995.824	76150.000	39165.770
8080	53995.824	75745.187	39165.770
8090	53175.824	75745.187	39165.770
8100	52565.488	75745.187	39165.770
8110	52308.313	75745.187	39165.770
8120	52308.313	75897.586	39165.770
8130	52308.313	75986.484	39165.770
8140	52308.313	76513.484	39165.770
8150	52308.313	76602.383	39165.770
8160	52308.313	76652.383	39165.770
8170	52308.313	76805.633	39165.770
8180	52308.313	76910.406	39165.770
8190	52308.313	76999.305	39165.770
8200	52308.313	77151.805	39165.770
8210	52308.313	77151.805	39374.770
8220	52308.313	77151.805	39641.770
8200	52308.313	77151.805	39165.770
8230	52308.313	77304.305	39165.770
8100	52565.488	75745.187	39165.770
8240	52565.488	75745.187	39264.195
8250	52565.488	75745.187	39353.094
8260	52565.488	75745.187	39421.355
8270	52565.488	75745.187	39738.355
8280	52565.488	75745.187	39806.617
8290	52565.488	75745.187	39870.117
8300	52565.488	75745.187	39935.203
8310	52565.488	75745.187	40040.203
8320	52449.609	75745.187	40040.203
8170	52308.313	76805.633	39165.770
8330	52397.211	76805.633	39165.770
8340	53011.574	76805.633	39165.770
8345	53011.574	77005.633	39165.770
8350	53011.574	77815.633	39165.770
8360	53011.574	78016.406	39165.770
8370	52935.375	78016.406	39165.770
8380	52862.352	78016.406	39165.770
8390	52728.207	78016.406	39165.770
8400	52728.207	78016.406	39413.770

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

8410	52728.207	78016.406	40068.770
8390	52728.207	78016.406	39165.770
8420	52594.063	78016.406	39165.770
8320	52449.609	75745.187	40040.203
8430	52382.934	75745.187	40040.203
8440	52281.332	75745.187	40013.215
8445	52181.332	75745.187	40013.215
8450	51826.516	75745.187	40013.215
8460	51826.516	75745.187	39860.816
8470	51826.516	75745.187	39784.617
8480	51826.516	75745.187	39459.617
8490	51826.516	75745.187	39383.418
8500	51826.516	75745.187	39133.211
8510	51826.516	75745.187	38673.641
8520	51826.516	75746.773	38260.891
8530	51826.516	77546.680	38242.754
8540	51826.516	79527.703	38222.793
8550	52178.145	79527.703	38216.441
8560	52308.320	79527.703	38216.441
8570	52308.320	79527.703	38675.230
8580	52308.320	79527.703	39165.770
8590	52308.320	79248.602	39165.770
8600	52308.320	79108.602	39165.770
8610	52308.320	79007.000	39165.770
8620	52308.320	78260.875	39165.770
8630	52308.320	78159.273	39165.770
8640	52308.320	78016.398	39165.770
8560	52308.320	79527.703	38216.441
8650	52308.320	79527.703	37846.555
8660	52919.508	79527.703	37840.203

COORDINATE REPORT

NODE	X (mm.)	Y (mm.)	Z (mm.)
1110	52919.508	78889.531	37833.852
8640	52308.320	78016.398	39165.770
8690	52308.320	77873.523	39165.770
8700	52308.320	77733.820	39165.770
8710	52308.320	77644.922	39165.770
8640	52308.320	78016.398	39165.770
9120	52432.145	78016.398	39165.770
9130	52521.043	78016.398	39165.770
9130	52521.039	78016.406	39165.770
8420	52594.063	78016.406	39165.770
8230	52308.313	77304.305	39165.770
9190	52308.313	77393.203	39165.770
9200	52308.313	77467.812	39165.770
9210	52308.313	77542.422	39165.770
9220	52308.313	77631.320	39165.770
9220	52308.320	77631.320	39165.770
8710	52308.320	77644.922	39165.770
15490	53995.824	65500.000	35007.648
15500	53995.824	65500.000	36732.648
15510	53995.824	74500.000	36732.648
15520	53995.824	74500.000	35007.648
15510	53995.824	74500.000	36732.648
15530	53995.824	76150.000	36732.648

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

15540	53995.824	76150.000	38176.648
15550	53995.824	76150.000	38296.648
15560	53995.824	76150.000	38457.750
8020	53995.824	76150.000	38546.648
10020	54095.832	76149.992	34046.211
10030	54095.832	76149.992	34135.109
10040	54095.832	76149.992	34235.121
10050	54095.832	76149.992	34324.020
10060	54095.832	76149.992	34412.918
10070	54095.832	76149.992	34665.332
10080	54095.832	75745.180	34665.332
10090	53275.832	75745.180	34665.332
10100	52665.496	75745.180	34665.332
10110	52408.320	75745.180	34665.332
10120	52408.320	75897.578	34665.332
10130	52408.320	75986.477	34665.332
10140	52408.320	76513.477	34665.332
10150	52408.320	76602.375	34665.332
10160	52408.320	76652.375	34665.332
10170	52408.320	76805.625	34665.332
10180	52408.320	76910.398	34665.332
10190	52408.320	76999.297	34665.332
10200	52408.320	77151.797	34665.332
10210	52408.320	77151.797	34874.332
10220	52408.320	77151.797	35141.332
10200	52408.320	77151.797	34665.332
10230	52408.320	77304.297	34665.332
10100	52665.496	75745.180	34665.332
10240	52665.496	75745.180	34763.758
10250	52665.496	75745.180	34852.656
10260	52665.496	75745.180	34920.918
10270	52665.496	75745.180	35237.918
10280	52665.496	75745.180	35306.180
10290	52665.496	75745.180	35369.680
10300	52665.496	75745.180	35434.766
10310	52665.496	75745.180	35539.766
10320	52549.617	75745.180	35539.766
10170	52408.320	76805.625	34665.332
10330	52497.219	76805.625	34665.332
10340	53111.582	76805.625	34665.332
10345	53111.582	77005.625	34665.332
10350	53111.582	77815.625	34665.332
10360	53111.582	78016.398	34665.332
10370	53035.383	78016.398	34665.332
10380	52962.359	78016.398	34665.332
10390	52828.215	78016.398	34665.332
10400	52828.215	78016.398	34913.332
10410	52828.215	78016.398	35568.332
10390	52828.215	78016.398	34665.332
10420	52694.070	78016.398	34665.332
10320	52549.617	75745.180	35539.766
10430	52482.941	75745.180	35539.766
10440	52381.340	75745.180	35512.777
10445	52281.340	75745.180	35512.777
10450	51620.926	75745.180	35512.777
10460	51620.926	75745.180	35360.379
10470	51620.926	75745.180	35284.180

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

10480	51620.926	75745.180	34959.180
10490	51620.926	75745.180	34882.980
10500	51620.926	75745.180	34632.773
10510	51620.926	75745.180	34173.203
10520	51620.926	75746.766	33760.453
10525	51620.926	77316.687	33744.633
10530	51620.926	77546.680	33742.316
10540	51620.926	79527.703	33722.355
10550	52278.152	79527.703	33716.004
10560	52408.328	79527.703	33716.004
10570	52408.328	79527.703	34174.793
10580	52408.328	79527.703	34665.332
10590	52408.328	79248.602	34665.332
10600	52408.328	79108.602	34665.332
10610	52408.328	79007.000	34665.332
10620	52408.328	78260.875	34665.332
10630	52408.328	78159.273	34665.332
10640	52408.328	78016.398	34665.332
10560	52408.328	79527.703	33716.004
10650	52408.328	79527.703	33346.117
10660	53019.516	79527.703	33339.766
1100	53019.516	78889.531	33333.414
10640	52408.328	78016.398	34665.332
10690	52408.328	77873.523	34665.332
10700	52408.328	77733.820	34665.332
10710	52408.328	77644.922	34665.332
10640	52408.328	78016.398	34665.332
11120	52532.152	78016.398	34665.332
11130	52621.051	78016.398	34665.332
11130	52621.047	78016.398	34665.332
10420	52694.070	78016.398	34665.332
10230	52408.320	77304.297	34665.332
11190	52408.320	77393.195	34665.332
11200	52408.320	77467.805	34665.332
11210	52408.320	77542.414	34665.332
11220	52408.320	77631.312	34665.332
11220	52408.328	77631.320	34665.332
10710	52408.328	77644.922	34665.332
17490	54095.832	65499.992	30507.211
17500	54095.832	65499.992	32232.211
17510	54095.832	74499.992	32232.211
17520	54095.832	74499.992	30507.211
17510	54095.832	74499.992	32232.211
17530	54095.832	76149.992	32232.211
17540	54095.832	76149.992	33676.211
17550	54095.832	76149.992	33796.211
17560	54095.832	76149.992	33957.313
10020	54095.832	76149.992	34046.211
18000	50247.504	70172.578	30318.746
18010	50247.504	70172.578	31098.746
18020	50247.504	70172.578	32358.746
18042	50247.504	70172.578	33603.746
18045	50247.504	70172.578	33703.973
1230	50247.504	70172.578	33808.746
18020	50247.504	70172.578	32358.746
18025	50555.504	70172.578	32358.746
18027	50655.730	70172.578	32358.746

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:3
Job Name: 8.1.1 INPUT ECHO
Licensed To: ROSETTI

Input Echo

860	50760.504	70172.578	32358.746
19000	50997.508	73522.578	30318.152
19500	50997.508	73522.578	35346.152
19560	50997.508	74056.102	35346.152
19580	50997.508	74114.805	35346.152
1360	50997.508	74219.578	35346.152

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI

1	Load Cases
2	Displacements
	5 (OPE) W+T3+P1
19	Displacements
	7 (OPE) W+T4+P1
36	Displacements
	9 (OPE) W+T3+P1+WIN1
53	Displacements
	10 (OPE) W+T3+P1+WIN2
70	Displacements
	11 (OPE) W+T3+P1+WIN3
87	Displacements
	12 (OPE) W+T3+P1+WIN4
104	Displacements
	13 (OPE) W+T3+P1+F1
121	Displacements
	14 (SUS) W+P1
138	Displacements
	16 (OPE) W+T3+U1+U3
155	Displacements
	17 (OPE) W+T3-U1+U3
172	Displacements
	18 (OPE) W+T3+U2+U3
189	Displacements
	19 (OPE) W+T3-U2+U3
206	Displacements
	20 (OPE) W+T3+U1-U3
223	Displacements
	21 (OPE) W+T3-U1-U3
240	Displacements
	22 (OPE) W+T3+U2-U3
257	Displacements
	23 (OPE) W+T3-U2-U3

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.364	0.782	0.0004	0.0015	0.0013
30	0.009	0.363	0.802	0.0005	0.0017	0.0015
40	0.015	0.361	0.824	0.0024	0.0039	0.0065
50	0.022	0.357	0.843	0.0024	0.0039	0.0067
60	0.028	0.353	0.863	0.0025	0.0039	0.0069
68	0.036	0.347	0.885	0.0046	0.0027	0.0119
69	0.039	0.307	0.892	0.0276	-0.0103	0.0152
70	0.072	0.257	0.833	0.0415	-0.0131	0.0289
78	0.126	0.234	0.758	0.0417	-0.0180	0.0302
79	0.177	0.186	0.661	0.0435	-0.0262	0.0302
80	0.175	0.128	0.556	0.0468	-0.0469	0.0195
90	0.029	-0.063	0.000	0.0295	-0.0399	0.0141
95	-0.055	-0.149	-0.215	0.0195	-0.0238	0.0109
100	-0.104	-0.187	-0.289	0.0137	-0.0145	0.0081
108	-0.126	-0.202	-0.317	0.0141	-0.0150	0.0075
109	-0.151	-0.197	-0.335	0.0156	-0.0142	-0.0031
110	-0.145	-0.168	-0.310	0.0231	-0.0114	-0.0111
120	-0.143	-0.167	-0.306	0.0232	-0.0113	-0.0111
130	-0.126	-0.147	-0.270	0.0233	-0.0113	-0.0111
140	-0.025	-0.031	-0.056	0.0230	-0.0112	-0.0106
150	-0.009	-0.011	-0.020	0.0226	-0.0112	-0.0104
160	-0.000	-0.000	-0.000	0.0179	-0.0110	-0.0080
170	0.009	0.032	0.025	0.0046	-0.0103	-0.0025
180	0.010	0.055	0.024	-0.0019	-0.0110	0.0007
190	0.009	0.074	0.021	-0.0021	-0.0110	0.0008
200	0.007	0.108	0.015	-0.0024	-0.0110	0.0010
210	-0.033	0.116	0.061	-0.0024	-0.0110	0.0010
220	-0.085	0.127	0.120	-0.0024	-0.0110	0.0010
230	0.004	0.141	0.008	-0.0026	-0.0111	0.0011
240	-0.119	-0.206	-0.267	0.0090	-0.0050	0.0052
250	-0.115	-0.214	-0.248	-0.0004	0.0137	-0.0015
260	-0.098	-0.213	-0.232	-0.0006	0.0142	-0.0017
270	-0.016	-0.207	-0.162	-0.0014	0.0155	-0.0026
280	0.003	-0.206	-0.147	-0.0015	0.0156	-0.0027
290	0.025	-0.200	-0.132	-0.0087	0.0220	-0.0244
300	0.050	-0.190	-0.118	-0.0088	0.0220	-0.0248
310	0.090	-0.174	-0.095	-0.0089	0.0218	-0.0254
320	0.065	-0.122	-0.051	-0.0088	0.0213	-0.0256
330	0.028	0.023	0.036	0.0040	-0.0053	-0.0081
338	0.143	-0.075	0.004	0.0007	0.0069	0.0006
339	0.146	-0.055	-0.002	0.0008	0.0056	0.0315
340	0.108	-0.027	-0.003	0.0014	0.0046	0.0495
345	0.000	-0.000	0.000	0.0022	0.0030	0.0432
350	0.000	0.177	-0.000	-0.0106	-0.0072	-0.0371
358	0.091	0.204	-0.029	-0.0135	-0.0087	-0.0412
359	0.121	0.230	-0.045	-0.0106	-0.0081	-0.0289
360	0.119	0.251	-0.055	-0.0065	-0.0025	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.118	0.252	-0.055	-0.0064	-0.0024	-0.0057
380	0.102	0.259	-0.058	-0.0063	-0.0024	-0.0056
390	0.072	0.272	-0.063	-0.0061	-0.0021	-0.0053
400	0.063	0.298	-0.009	-0.0061	-0.0021	-0.0053
410	0.039	0.368	0.136	-0.0061	-0.0021	-0.0053
420	0.042	0.284	-0.068	-0.0059	-0.0019	-0.0050
430	0.050	-0.092	-0.026	-0.0088	0.0208	-0.0257
440	0.022	-0.048	-0.009	-0.0087	0.0065	-0.0272
444	-0.000	-0.000	-0.000	-0.0087	0.0004	-0.0273
449	-0.096	0.221	-0.121	-0.0113	-0.0185	-0.0187
450	-0.081	0.209	-0.158	-0.0158	-0.0069	-0.0154
451	-0.087	0.186	-0.074	-0.0087	-0.0155	-0.0261
460	-0.080	0.206	-0.159	-0.0158	-0.0068	-0.0153
470	-0.071	0.186	-0.176	-0.0158	-0.0067	-0.0153
480	-0.033	0.096	-0.248	-0.0159	-0.0066	-0.0151
490	-0.024	0.075	-0.265	-0.0159	-0.0065	-0.0150
500	-0.000	-0.000	-0.320	-0.0187	-0.0048	-0.0124
510	0.029	-0.166	-0.422	-0.0210	-0.0032	-0.0074
518	0.044	-0.260	-0.480	-0.0190	-0.0035	-0.0046
519	0.055	-0.271	-0.510	-0.0015	-0.0045	-0.0031
520	0.058	-0.244	-0.503	0.0177	-0.0035	0.0027
530	0.000	0.124	-0.000	0.0021	-0.0142	-0.0045
538	0.438	0.523	-0.585	-0.0255	-0.0261	-0.0177
539	0.481	0.533	-0.609	-0.0214	-0.0287	-0.0164
540	0.518	0.513	-0.564	-0.0184	-0.0358	-0.0138
550	0.608	0.421	-0.312	-0.0170	-0.0384	-0.0127
560	0.637	0.392	-0.224	-0.0165	-0.0393	-0.0123
570	0.318	0.521	-0.122	-0.0156	-0.0394	-0.0132
578	0.140	0.591	-0.064	-0.0150	-0.0381	-0.0138
579	0.039	0.610	-0.015	-0.0077	-0.0234	-0.0089
580	0.001	0.579	0.005	0.0054	-0.0176	-0.0015
590	0.000	0.568	-0.000	0.0057	-0.0169	-0.0014
600	-0.003	0.538	-0.020	0.0055	-0.0152	-0.0011
610	-0.005	0.515	-0.030	0.0054	-0.0151	-0.0010
620	-0.018	0.350	-0.090	0.0034	-0.0146	-0.0008
630	-0.019	0.328	-0.095	0.0031	-0.0145	-0.0008
640	-0.020	0.297	-0.093	-0.0026	-0.0128	0.0001
648	0.736	0.351	-0.255	-0.0167	-0.0389	-0.0118
649	0.846	0.291	-0.255	-0.0160	-0.0272	-0.0104
650	0.908	0.251	-0.214	-0.0142	-0.0134	-0.0047
658	0.943	0.238	-0.180	-0.0143	-0.0126	-0.0042
659	0.981	0.222	-0.141	-0.0121	-0.0055	0.0036
660	1.013	0.192	-0.103	-0.0125	-0.0044	0.0071
670	1.063	0.101	-0.012	-0.0134	-0.0029	0.0059
680	1.082	0.058	0.035	-0.0140	-0.0022	0.0044
690	-0.017	0.266	-0.077	-0.0066	-0.0125	0.0012
700	-0.012	0.235	-0.052	-0.0105	-0.0121	0.0024
705	0.883	-0.000	-0.000	-0.0146	-0.0023	0.0027
710	-0.008	0.216	-0.035	-0.0106	-0.0120	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.129	0.075	0.043	-0.0140	-0.0022	0.0044
730	0.201	0.107	-0.023	-0.0169	0.0021	-0.0087
735	0.000	0.285	-0.000	-0.0170	-0.0003	-0.0143
740	-0.333	0.771	-0.081	-0.0171	-0.0037	-0.0213
750	-0.657	1.334	-0.166	-0.0174	-0.0026	-0.0215
758	-0.705	1.414	-0.176	-0.0175	-0.0026	-0.0210
759	-0.782	1.449	-0.164	-0.0158	-0.0075	-0.0024
760	-0.766	1.380	-0.123	-0.0088	-0.0114	0.0173
770	-0.591	1.258	-0.044	-0.0069	-0.0132	0.0182
775	-0.447	1.159	-0.000	-0.0037	-0.0147	0.0177
780	-0.306	1.056	0.011	-0.0005	-0.0162	0.0161
785	-0.000	0.766	0.000	-0.0010	-0.0219	0.0085
790	0.106	0.438	0.099	-0.0063	-0.0284	0.0014
792	0.153	0.153	0.256	-0.0061	-0.0342	0.0039
795	0.190	0.044	0.307	-0.0063	-0.0333	0.0041
797	0.206	-0.000	0.328	-0.0067	-0.0329	0.0043
798	0.326	-0.326	0.525	-0.0074	-0.0303	0.0035
799	0.371	-0.382	0.505	0.0064	-0.0246	-0.0085
800	0.435	-0.348	0.426	0.0157	-0.0123	-0.0146
808	0.461	-0.313	0.399	0.0157	-0.0120	-0.0150
809	0.464	-0.218	0.333	0.0109	0.0006	-0.0140
810	0.397	-0.143	0.333	0.0071	0.0071	-0.0090
850	0.137	-0.009	0.446	0.0004	0.0008	-0.0009
860	0.114	-0.007	0.448	0.0004	0.0007	-0.0008
870	0.105	0.135	0.127	-0.0053	-0.0355	0.0046
875	0.060	0.116	-0.000	-0.0046	-0.0372	0.0049
878	-0.052	0.072	-0.350	-0.0028	-0.0397	0.0049
879	-0.180	0.050	-0.501	-0.0003	-0.0288	0.0069
880	-0.274	0.014	-0.482	0.0094	-0.0006	0.0099
888	0.257	-0.710	0.336	0.0102	0.0146	0.0062
889	0.375	-0.724	0.353	0.0024	0.0250	0.0086
890	0.488	-0.681	0.249	0.0004	0.0282	0.0100
899	0.531	-0.612	0.118	-0.0005	0.0275	0.0094
900	0.510	-0.534	0.057	-0.0028	0.0273	0.0110
902	-0.000	-0.000	-0.000	0.0005	0.0209	0.0147
905	-0.594	0.446	-0.000	-0.0039	0.0155	0.0186
908	-0.845	0.617	-0.082	-0.0075	0.0135	0.0183
909	-0.877	0.696	-0.165	-0.0135	0.0138	0.0047
910	-0.816	0.705	-0.233	-0.0108	0.0030	-0.0110
920	-0.670	0.569	-0.252	-0.0118	0.0002	-0.0124
925	0.000	0.002	-0.000	-0.0145	-0.0024	-0.0066
930	0.209	-0.073	-0.003	-0.0154	0.0013	-0.0032
935	0.888	-0.000	-0.000	-0.0135	-0.0013	0.0049
940	1.091	0.094	0.018	-0.0130	-0.0012	0.0065
950	1.139	0.119	0.023	-0.0130	-0.0012	0.0065
960	-0.358	1.056	0.053	0.0002	-0.0153	0.0150
968	-0.397	1.055	0.086	0.0005	-0.0146	0.0142
969	-0.434	1.064	0.124	0.0030	-0.0018	0.0081
970	-0.437	1.095	0.150	0.0048	0.0044	-0.0043

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.329	1.304	0.249	0.0072	0.0102	-0.0085
979	-0.275	1.320	0.263	0.0099	0.0114	-0.0198
980	-0.211	1.265	0.232	0.0081	0.0201	-0.0285
985	-0.074	0.956	-0.000	0.0101	0.0242	-0.0285
988	0.114	0.555	-0.378	0.0128	0.0255	-0.0261
989	0.169	0.477	-0.416	0.0118	0.0108	-0.0206
990	0.187	0.419	-0.386	0.0140	-0.0074	-0.0199
1000	0.116	0.305	-0.287	0.0148	-0.0107	-0.0178
1010	0.101	0.285	-0.271	0.0150	-0.0112	-0.0174
1012	0.083	0.261	-0.250	0.0150	-0.0113	-0.0174
1016	0.005	0.158	-0.163	0.0150	-0.0114	-0.0173
1020	-0.013	0.134	-0.143	0.0150	-0.0115	-0.0172
1029	-0.051	0.072	-0.082	0.0141	-0.0225	-0.0154
1030	-0.040	0.023	-0.015	0.0118	-0.0051	-0.0079
1035	-0.000	0.000	-0.000	0.0120	-0.0009	-0.0071
1040	0.040	-0.021	-0.008	0.0122	0.0039	-0.0065
1045	0.074	-0.042	-0.020	0.0125	0.0088	-0.0056
1050	0.091	-0.049	-0.032	0.0125	0.0089	-0.0056
1070	0.230	0.150	-0.081	-0.0172	0.0016	-0.0085
1080	1.065	0.137	-0.025	-0.0125	-0.0020	0.0080
1090	0.221	-0.030	-0.058	-0.0164	0.0008	-0.0036
1100	-0.586	1.376	-0.225	-0.0167	-0.0027	-0.0207
1110	-0.626	0.611	-0.294	-0.0122	0.0008	-0.0132
1120	0.007	0.295	-0.075	-0.0039	-0.0065	-0.0019
1130	0.026	0.290	-0.070	-0.0059	-0.0020	-0.0049
1190	0.002	0.161	0.004	-0.0027	-0.0111	0.0011
1200	-0.000	0.177	-0.000	-0.0069	-0.0116	0.0019
1210	-0.004	0.193	-0.016	-0.0105	-0.0120	0.0024
1220	-0.008	0.213	-0.032	-0.0106	-0.0120	0.0024
1230	0.001	-0.007	0.771	0.0003	-0.0001	-0.0004
1240	0.001	-0.007	0.794	0.0003	-0.0001	-0.0005
1248	-0.008	-0.044	1.004	0.0041	0.0000	-0.0054
1249	-0.005	-0.134	1.028	0.0242	0.0046	-0.0062
1250	-0.043	-0.251	0.903	0.0376	0.0035	-0.0146
1258	-0.229	-0.410	0.445	0.0375	0.0065	-0.0155
1259	-0.272	-0.499	0.270	0.0327	0.0068	-0.0123
1260	-0.232	-0.567	0.162	0.0331	0.0136	-0.0053
1268	-0.012	-0.652	-0.085	0.0292	0.0150	-0.0040
1269	0.048	-0.632	-0.121	0.0235	0.0243	0.0021
1270	0.057	-0.568	-0.101	0.0073	0.0308	0.0040
1275	0.000	-0.321	-0.000	0.0019	0.0326	0.0014
1280	0.050	0.033	0.009	0.0030	0.0353	-0.0033
1285	0.057	0.056	0.015	0.0031	0.0353	-0.0033
1290	0.063	0.079	0.021	0.0031	0.0353	-0.0033
1300	0.065	0.084	0.022	0.0033	0.0353	-0.0034
1310	0.066	0.089	0.024	0.0035	0.0354	-0.0034
1315	0.073	0.112	0.030	0.0035	0.0354	-0.0034
1320	0.079	0.135	0.037	0.0036	0.0354	-0.0034
1325	0.173	0.451	0.255	0.0116	0.0377	-0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.196	0.578	0.380	0.0117	0.0387	-0.0010
1329	0.144	0.619	0.486	0.0008	0.0345	0.0147
1330	0.049	0.544	0.621	-0.0053	0.0238	0.0252
1338	-0.003	0.438	0.721	-0.0068	0.0231	0.0253
1339	-0.020	0.307	0.799	-0.0031	0.0059	0.0173
1340	-0.001	0.223	0.815	-0.0016	0.0007	0.0006
1350	-0.001	0.218	0.815	-0.0016	0.0005	0.0005
1360	-0.000	0.195	0.818	-0.0016	0.0005	0.0005
1373	0.125	-0.064	-0.057	0.0126	0.0093	-0.0055
1376	0.100	-0.030	-0.091	0.0126	0.0094	-0.0054
1380	0.088	-0.014	-0.107	0.0126	0.0095	-0.0054
1390	0.069	0.009	-0.130	0.0123	0.0109	-0.0042
1392	0.054	0.026	-0.147	0.0123	0.0109	-0.0042
1396	-0.009	0.095	-0.219	0.0122	0.0110	-0.0041
1400	-0.024	0.112	-0.237	0.0122	0.0111	-0.0041
1410	-0.090	0.171	-0.309	0.0076	0.0116	-0.0016
1418	-0.122	0.189	-0.343	0.0048	0.0114	-0.0005
1419	-0.139	0.166	-0.358	-0.0190	0.0065	0.0026
1420	-0.130	0.122	-0.313	-0.0347	0.0030	0.0110
1425	0.000	-0.000	-0.000	-0.0233	0.0003	0.0167
1428	0.590	-0.353	0.006	0.0083	-0.0076	0.0189
1429	0.603	-0.384	-0.012	0.0049	-0.0071	0.0045
1430	0.579	-0.388	-0.029	0.0035	-0.0069	-0.0100
1435	-0.000	-0.000	-0.000	-0.0180	0.0057	0.0092
1438	-0.073	-0.072	0.027	-0.0207	0.0044	0.0137
1439	-0.106	-0.104	0.015	-0.0217	0.0022	0.0124
1440	-0.129	-0.124	-0.030	-0.0200	-0.0012	0.0068
1448	-0.136	-0.135	-0.077	-0.0193	-0.0009	0.0056
1449	-0.139	-0.134	-0.098	-0.0123	-0.0025	0.0022
1450	-0.138	-0.123	-0.109	-0.0040	-0.0032	-0.0025
1455	-0.000	0.150	0.000	0.0134	-0.0004	-0.0090
1458	0.020	0.178	0.032	0.0137	-0.0001	-0.0093
1459	0.039	0.206	0.039	-0.0004	-0.0003	-0.0111
1460	0.048	0.193	0.010	-0.0235	0.0008	-0.0113
1470	-0.112	-0.258	-0.542	0.0405	0.0071	-0.0188
1480	-0.125	-0.181	-0.564	0.0477	0.0074	-0.0191
1490	-0.138	-0.087	-0.586	0.0554	0.0077	-0.0194
1495	-0.108	-0.067	-0.493	0.0614	0.0077	-0.0195
1497	-0.073	-0.045	-0.371	0.0762	0.0077	-0.0197
1498	-0.588	1.509	-0.931	0.0646	0.0207	-0.0344
1499	-0.602	1.558	-0.950	0.0671	0.0185	-0.0345
1500	-0.000	0.001	-0.000	0.1093	0.0077	-0.0202
1504	-0.153	0.015	-0.610	0.0555	0.0081	-0.0195
1505	-0.597	1.551	-0.971	0.0677	0.0151	-0.0361
1506	-0.168	0.113	-0.632	0.0556	0.0090	-0.0199
1508	-0.122	0.021	-0.327	0.0967	-0.0474	-0.0417
1509	-0.094	-0.012	-0.243	0.0982	-0.0494	-0.0407
1510	-0.051	-0.016	-0.130	0.1006	-0.0503	-0.0400
1520	0.000	0.000	-0.000	0.1008	-0.0503	-0.0399

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.364	0.782	0.0004	0.0015	0.0013
2030	0.009	0.363	0.802	0.0005	0.0017	0.0015
2040	0.015	0.361	0.824	0.0024	0.0038	0.0064
2050	0.021	0.357	0.843	0.0025	0.0039	0.0067
2060	0.028	0.353	0.863	0.0025	0.0039	0.0069
2068	0.035	0.347	0.885	0.0046	0.0026	0.0119
2069	0.039	0.307	0.892	0.0277	-0.0106	0.0151
2070	0.071	0.256	0.833	0.0415	-0.0135	0.0288
2078	0.124	0.234	0.758	0.0416	-0.0184	0.0301
2079	0.175	0.185	0.661	0.0431	-0.0265	0.0301
2080	0.173	0.128	0.556	0.0462	-0.0470	0.0195
2090	0.027	-0.063	0.000	0.0284	-0.0397	0.0141
2100	-0.105	-0.187	-0.283	0.0122	-0.0134	0.0081
2108	-0.128	-0.202	-0.308	0.0123	-0.0136	0.0075
2109	-0.152	-0.197	-0.321	0.0144	-0.0095	-0.0033
2110	-0.146	-0.168	-0.294	0.0220	-0.0056	-0.0112
2120	-0.145	-0.167	-0.291	0.0220	-0.0055	-0.0112
2130	-0.127	-0.147	-0.257	0.0221	-0.0055	-0.0112
2140	-0.025	-0.031	-0.053	0.0218	-0.0052	-0.0107
2150	-0.009	-0.011	-0.019	0.0215	-0.0051	-0.0105
2160	-0.000	-0.000	-0.000	0.0170	-0.0046	-0.0081
2170	0.009	0.032	0.024	0.0043	-0.0030	-0.0025
2180	0.011	0.055	0.023	-0.0018	-0.0025	0.0007
2190	0.009	0.074	0.020	-0.0020	-0.0024	0.0008
2200	0.007	0.108	0.014	-0.0022	-0.0024	0.0010
2210	-0.002	0.116	0.060	-0.0022	-0.0024	0.0010
2220	-0.013	0.126	0.119	-0.0022	-0.0024	0.0010
2230	0.004	0.142	0.008	-0.0024	-0.0024	0.0011
2240	-0.119	-0.204	-0.261	0.0079	-0.0042	0.0053
2250	-0.114	-0.211	-0.241	-0.0009	0.0139	-0.0012
2260	-0.098	-0.210	-0.226	-0.0011	0.0144	-0.0014
2270	-0.014	-0.202	-0.155	-0.0018	0.0156	-0.0022
2280	0.005	-0.200	-0.140	-0.0018	0.0157	-0.0024
2290	0.027	-0.194	-0.126	-0.0090	0.0213	-0.0233
2300	0.051	-0.183	-0.111	-0.0090	0.0213	-0.0237
2310	0.090	-0.167	-0.088	-0.0091	0.0210	-0.0243
2320	0.064	-0.117	-0.045	-0.0091	0.0205	-0.0245
2330	0.028	0.023	0.025	0.0042	-0.0001	-0.0081
2338	0.143	-0.075	-0.014	0.0035	0.0051	0.0006
2339	0.146	-0.055	-0.016	0.0042	0.0025	0.0316
2340	0.109	-0.028	-0.013	0.0056	0.0010	0.0495
2345	0.000	-0.000	0.000	0.0063	-0.0007	0.0432
2350	0.000	0.176	-0.000	-0.0175	-0.0120	-0.0372
2358	0.091	0.204	-0.047	-0.0218	-0.0137	-0.0413
2359	0.122	0.230	-0.072	-0.0160	-0.0120	-0.0290
2360	0.119	0.251	-0.086	-0.0090	-0.0017	-0.0060
2370	0.118	0.252	-0.086	-0.0088	-0.0016	-0.0058
2380	0.102	0.259	-0.088	-0.0086	-0.0015	-0.0056
2390	0.072	0.272	-0.091	-0.0084	-0.0010	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.068	0.308	-0.036	-0.0084	-0.0010	-0.0054
2410	0.056	0.404	0.108	-0.0084	-0.0010	-0.0054
2420	0.043	0.284	-0.093	-0.0081	-0.0006	-0.0051
2430	0.050	-0.089	-0.022	-0.0091	0.0200	-0.0246
2440	0.022	-0.047	-0.006	-0.0091	0.0051	-0.0262
2445	-0.000	-0.000	-0.000	-0.0091	-0.0013	-0.0264
2449	-0.095	0.215	-0.139	-0.0115	-0.0196	-0.0196
2450	-0.079	0.204	-0.176	-0.0155	-0.0066	-0.0169
2451	-0.088	0.181	-0.089	-0.0093	-0.0177	-0.0256
2460	-0.078	0.202	-0.178	-0.0155	-0.0065	-0.0168
2470	-0.069	0.182	-0.195	-0.0155	-0.0065	-0.0168
2480	-0.033	0.094	-0.266	-0.0156	-0.0064	-0.0166
2490	-0.024	0.073	-0.283	-0.0156	-0.0063	-0.0166
2500	0.000	-0.000	-0.339	-0.0181	-0.0052	-0.0145
2510	0.036	-0.160	-0.440	-0.0201	-0.0042	-0.0105
2518	0.055	-0.249	-0.498	-0.0182	-0.0041	-0.0083
2519	0.067	-0.260	-0.528	-0.0018	-0.0023	-0.0062
2520	0.074	-0.233	-0.523	0.0164	-0.0004	0.0000
2530	0.000	0.136	-0.000	0.0072	-0.0027	0.0028
2538	-0.018	0.537	-0.268	-0.0137	-0.0054	-0.0018
2539	-0.001	0.557	-0.288	-0.0125	-0.0062	-0.0051
2540	0.028	0.554	-0.285	-0.0117	-0.0079	-0.0078
2550	0.115	0.499	-0.230	-0.0112	-0.0084	-0.0079
2560	0.144	0.481	-0.211	-0.0111	-0.0084	-0.0077
2570	0.076	0.565	-0.109	-0.0100	-0.0083	-0.0072
2578	0.039	0.610	-0.051	-0.0095	-0.0080	-0.0070
2579	0.014	0.614	-0.008	-0.0037	-0.0041	-0.0052
2580	0.001	0.580	0.005	0.0056	-0.0021	-0.0014
2590	-0.000	0.569	-0.000	0.0059	-0.0019	-0.0013
2600	-0.003	0.538	-0.020	0.0054	-0.0016	-0.0010
2610	-0.005	0.516	-0.030	0.0053	-0.0016	-0.0010
2620	-0.017	0.351	-0.087	0.0032	-0.0014	-0.0008
2630	-0.019	0.328	-0.092	0.0029	-0.0014	-0.0008
2640	-0.020	0.297	-0.089	-0.0026	-0.0011	0.0001
2648	0.165	0.452	-0.242	-0.0113	-0.0082	-0.0078
2649	0.199	0.405	-0.271	-0.0150	-0.0054	-0.0091
2650	0.239	0.359	-0.275	-0.0161	-0.0021	-0.0102
2658	0.274	0.331	-0.270	-0.0164	-0.0018	-0.0102
2659	0.299	0.288	-0.250	-0.0161	0.0003	-0.0091
2660	0.289	0.242	-0.205	-0.0172	0.0006	-0.0083
2690	-0.017	0.266	-0.074	-0.0064	-0.0012	0.0012
2700	-0.012	0.235	-0.050	-0.0101	-0.0016	0.0024
2710	-0.008	0.216	-0.033	-0.0102	-0.0016	0.0024
3120	0.007	0.295	-0.091	-0.0048	0.0006	-0.0019
3130	0.027	0.290	-0.093	-0.0080	-0.0004	-0.0050
3190	0.002	0.161	0.004	-0.0026	-0.0024	0.0011
3200	-0.000	0.177	-0.000	-0.0066	-0.0020	0.0019
3210	-0.004	0.193	-0.015	-0.0101	-0.0017	0.0024
3220	-0.007	0.213	-0.031	-0.0102	-0.0016	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.364	0.782	0.0004	0.0015	0.0013
4030	0.009	0.363	0.802	0.0005	0.0017	0.0015
4040	0.015	0.361	0.824	0.0024	0.0039	0.0065
4050	0.022	0.357	0.843	0.0024	0.0039	0.0067
4060	0.028	0.353	0.863	0.0025	0.0039	0.0069
4068	0.036	0.347	0.885	0.0046	0.0027	0.0119
4069	0.039	0.307	0.892	0.0276	-0.0103	0.0152
4070	0.072	0.257	0.833	0.0415	-0.0132	0.0289
4078	0.126	0.234	0.758	0.0416	-0.0180	0.0302
4079	0.177	0.186	0.661	0.0435	-0.0262	0.0302
4080	0.175	0.128	0.556	0.0467	-0.0469	0.0195
4090	0.029	-0.063	0.000	0.0294	-0.0399	0.0141
4100	-0.104	-0.187	-0.289	0.0136	-0.0145	0.0081
4108	-0.126	-0.202	-0.317	0.0141	-0.0150	0.0075
4109	-0.151	-0.197	-0.334	0.0155	-0.0141	-0.0031
4110	-0.145	-0.168	-0.309	0.0231	-0.0113	-0.0111
4120	-0.143	-0.167	-0.306	0.0232	-0.0112	-0.0111
4130	-0.126	-0.147	-0.270	0.0232	-0.0112	-0.0111
4140	-0.025	-0.031	-0.056	0.0230	-0.0111	-0.0106
4150	-0.009	-0.011	-0.020	0.0226	-0.0111	-0.0104
4160	-0.000	-0.000	-0.000	0.0179	-0.0109	-0.0080
4170	0.009	0.032	0.025	0.0046	-0.0102	-0.0025
4180	0.010	0.055	0.024	-0.0019	-0.0108	0.0007
4190	0.009	0.074	0.021	-0.0021	-0.0108	0.0008
4200	0.007	0.108	0.015	-0.0024	-0.0109	0.0010
4210	-0.033	0.116	0.061	-0.0024	-0.0109	0.0010
4220	-0.084	0.127	0.120	-0.0024	-0.0109	0.0010
4230	0.004	0.141	0.008	-0.0026	-0.0109	0.0011
4240	-0.119	-0.206	-0.267	0.0089	-0.0050	0.0052
4250	-0.115	-0.214	-0.247	-0.0005	0.0137	-0.0015
4260	-0.098	-0.213	-0.232	-0.0007	0.0142	-0.0017
4270	-0.015	-0.207	-0.162	-0.0014	0.0155	-0.0025
4280	0.003	-0.205	-0.147	-0.0015	0.0156	-0.0027
4290	0.025	-0.199	-0.132	-0.0088	0.0220	-0.0243
4300	0.050	-0.189	-0.118	-0.0089	0.0220	-0.0247
4310	0.090	-0.173	-0.095	-0.0089	0.0217	-0.0253
4320	0.065	-0.122	-0.051	-0.0089	0.0213	-0.0255
4330	0.028	0.023	0.036	0.0040	-0.0052	-0.0081
4338	0.143	-0.075	0.003	0.0008	0.0069	0.0006
4339	0.146	-0.055	-0.002	0.0008	0.0055	0.0315
4340	0.108	-0.027	-0.003	0.0015	0.0045	0.0495
4345	0.000	-0.000	0.000	0.0023	0.0029	0.0432
4350	0.000	0.177	-0.000	-0.0107	-0.0072	-0.0372
4358	0.091	0.204	-0.029	-0.0137	-0.0088	-0.0412
4359	0.122	0.230	-0.046	-0.0107	-0.0082	-0.0289
4360	0.119	0.251	-0.055	-0.0066	-0.0025	-0.0060
4370	0.118	0.252	-0.056	-0.0064	-0.0024	-0.0057
4380	0.102	0.259	-0.059	-0.0063	-0.0024	-0.0056
4390	0.072	0.272	-0.064	-0.0062	-0.0021	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.063	0.298	-0.009	-0.0062	-0.0021	-0.0053
4410	0.039	0.369	0.136	-0.0062	-0.0021	-0.0053
4420	0.042	0.284	-0.068	-0.0060	-0.0019	-0.0050
4430	0.050	-0.092	-0.026	-0.0088	0.0207	-0.0256
4440	0.022	-0.048	-0.009	-0.0087	0.0065	-0.0271
4445	-0.000	-0.000	-0.000	-0.0087	0.0003	-0.0272
4449	-0.096	0.220	-0.122	-0.0113	-0.0185	-0.0186
4450	-0.081	0.208	-0.158	-0.0157	-0.0068	-0.0154
4451	-0.087	0.186	-0.074	-0.0087	-0.0155	-0.0260
4460	-0.080	0.206	-0.160	-0.0157	-0.0068	-0.0153
4470	-0.071	0.185	-0.177	-0.0157	-0.0067	-0.0152
4480	-0.033	0.095	-0.248	-0.0158	-0.0066	-0.0151
4490	-0.024	0.074	-0.265	-0.0158	-0.0065	-0.0150
4500	-0.000	-0.000	-0.321	-0.0186	-0.0048	-0.0124
4510	0.029	-0.165	-0.422	-0.0208	-0.0032	-0.0075
4518	0.044	-0.258	-0.480	-0.0189	-0.0035	-0.0047
4519	0.055	-0.269	-0.510	-0.0014	-0.0044	-0.0032
4520	0.059	-0.242	-0.503	0.0177	-0.0034	0.0026
4530	0.000	0.127	-0.000	0.0022	-0.0138	-0.0043
4538	0.425	0.525	-0.575	-0.0249	-0.0254	-0.0171
4539	0.467	0.536	-0.599	-0.0207	-0.0280	-0.0156
4540	0.503	0.518	-0.555	-0.0177	-0.0350	-0.0128
4550	0.593	0.433	-0.308	-0.0161	-0.0376	-0.0116
4560	0.621	0.407	-0.221	-0.0156	-0.0384	-0.0112
4570	0.310	0.528	-0.120	-0.0147	-0.0385	-0.0123
4578	0.135	0.594	-0.062	-0.0141	-0.0373	-0.0129
4579	0.037	0.611	-0.014	-0.0071	-0.0229	-0.0082
4580	0.001	0.579	0.005	0.0054	-0.0173	-0.0014
4590	0.000	0.568	-0.000	0.0058	-0.0167	-0.0013
4600	-0.003	0.538	-0.020	0.0056	-0.0150	-0.0010
4610	-0.005	0.515	-0.030	0.0055	-0.0149	-0.0010
4620	-0.017	0.350	-0.090	0.0034	-0.0144	-0.0008
4630	-0.019	0.328	-0.095	0.0031	-0.0143	-0.0008
4640	-0.020	0.297	-0.093	-0.0026	-0.0126	0.0001
4648	0.718	0.367	-0.253	-0.0158	-0.0381	-0.0106
4649	0.826	0.311	-0.253	-0.0153	-0.0266	-0.0092
4650	0.888	0.276	-0.214	-0.0134	-0.0129	-0.0032
4658	0.923	0.268	-0.181	-0.0135	-0.0122	-0.0027
4659	0.962	0.256	-0.144	-0.0113	-0.0048	0.0054
4660	1.000	0.228	-0.109	-0.0116	-0.0036	0.0092
4690	-0.017	0.266	-0.077	-0.0066	-0.0123	0.0012
4700	-0.012	0.235	-0.052	-0.0105	-0.0119	0.0024
4710	-0.008	0.216	-0.035	-0.0106	-0.0119	0.0024
5120	0.007	0.295	-0.076	-0.0039	-0.0064	-0.0019
5130	0.026	0.290	-0.071	-0.0059	-0.0020	-0.0049
5190	0.002	0.161	0.004	-0.0027	-0.0110	0.0011
5200	-0.000	0.177	-0.000	-0.0069	-0.0114	0.0019
5210	-0.004	0.193	-0.016	-0.0106	-0.0118	0.0024
5220	-0.007	0.213	-0.032	-0.0106	-0.0119	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.364	0.782	0.0004	0.0015	0.0013
6030	0.009	0.363	0.802	0.0005	0.0017	0.0015
6040	0.015	0.360	0.824	0.0024	0.0038	0.0064
6050	0.021	0.357	0.843	0.0025	0.0039	0.0067
6060	0.028	0.353	0.863	0.0026	0.0039	0.0069
6068	0.035	0.347	0.885	0.0047	0.0026	0.0118
6069	0.038	0.306	0.892	0.0276	-0.0105	0.0151
6070	0.071	0.256	0.833	0.0414	-0.0134	0.0288
6078	0.124	0.234	0.759	0.0415	-0.0183	0.0301
6079	0.175	0.185	0.661	0.0431	-0.0264	0.0302
6080	0.173	0.128	0.557	0.0463	-0.0470	0.0196
6090	0.028	-0.065	0.000	0.0287	-0.0399	0.0141
6100	-0.105	-0.188	-0.285	0.0126	-0.0136	0.0079
6108	-0.128	-0.203	-0.311	0.0127	-0.0136	0.0072
6109	-0.152	-0.198	-0.323	0.0148	-0.0089	-0.0034
6110	-0.146	-0.168	-0.295	0.0221	-0.0049	-0.0112
6120	-0.144	-0.167	-0.292	0.0221	-0.0048	-0.0112
6130	-0.127	-0.147	-0.258	0.0222	-0.0047	-0.0112
6140	-0.025	-0.031	-0.053	0.0219	-0.0044	-0.0106
6150	-0.009	-0.011	-0.019	0.0216	-0.0044	-0.0105
6160	-0.000	-0.000	-0.000	0.0171	-0.0038	-0.0081
6170	0.009	0.032	0.024	0.0043	-0.0020	-0.0025
6180	0.011	0.055	0.023	-0.0019	-0.0013	0.0007
6190	0.009	0.074	0.020	-0.0020	-0.0013	0.0008
6200	0.007	0.108	0.014	-0.0022	-0.0012	0.0010
6210	0.003	0.116	0.060	-0.0022	-0.0012	0.0010
6220	-0.003	0.126	0.119	-0.0022	-0.0012	0.0010
6230	0.004	0.142	0.008	-0.0024	-0.0012	0.0011
6240	-0.119	-0.206	-0.263	0.0085	-0.0043	0.0049
6250	-0.115	-0.214	-0.244	0.0001	0.0138	-0.0019
6260	-0.098	-0.214	-0.229	-0.0001	0.0143	-0.0021
6270	-0.014	-0.212	-0.158	-0.0008	0.0156	-0.0030
6280	0.004	-0.211	-0.143	-0.0009	0.0157	-0.0032
6290	0.026	-0.206	-0.129	-0.0084	0.0216	-0.0252
6300	0.051	-0.196	-0.114	-0.0085	0.0216	-0.0256
6310	0.090	-0.180	-0.091	-0.0086	0.0213	-0.0262
6320	0.065	-0.127	-0.048	-0.0086	0.0208	-0.0264
6330	0.028	0.023	0.024	0.0043	0.0006	-0.0081
6338	0.143	-0.075	-0.017	0.0039	0.0048	0.0006
6339	0.146	-0.055	-0.018	0.0047	0.0021	0.0316
6340	0.108	-0.028	-0.014	0.0062	0.0006	0.0495
6345	0.000	-0.001	0.000	0.0068	-0.0011	0.0432
6350	0.000	0.176	-0.000	-0.0185	-0.0126	-0.0370
6358	0.090	0.203	-0.050	-0.0229	-0.0144	-0.0411
6359	0.121	0.229	-0.076	-0.0168	-0.0125	-0.0289
6360	0.118	0.251	-0.090	-0.0094	-0.0016	-0.0061
6370	0.117	0.251	-0.090	-0.0091	-0.0014	-0.0058
6380	0.101	0.259	-0.092	-0.0089	-0.0013	-0.0057
6390	0.072	0.271	-0.095	-0.0087	-0.0008	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.068	0.309	-0.040	-0.0087	-0.0008	-0.0054
6410	0.059	0.408	0.105	-0.0087	-0.0008	-0.0054
6420	0.042	0.284	-0.096	-0.0084	-0.0003	-0.0051
6430	0.050	-0.096	-0.024	-0.0086	0.0203	-0.0265
6440	0.022	-0.050	-0.007	-0.0089	0.0057	-0.0284
6445	-0.000	-0.000	-0.000	-0.0090	-0.0006	-0.0287
6449	-0.095	0.237	-0.132	-0.0119	-0.0191	-0.0218
6450	-0.080	0.226	-0.168	-0.0170	-0.0067	-0.0186
6451	-0.088	0.198	-0.083	-0.0094	-0.0168	-0.0281
6460	-0.079	0.224	-0.170	-0.0170	-0.0066	-0.0185
6470	-0.070	0.201	-0.187	-0.0170	-0.0066	-0.0185
6480	-0.033	0.104	-0.259	-0.0172	-0.0064	-0.0183
6490	-0.025	0.081	-0.276	-0.0172	-0.0064	-0.0183
6500	0.000	-0.000	-0.331	-0.0204	-0.0053	-0.0160
6510	0.038	-0.183	-0.432	-0.0233	-0.0045	-0.0118
6518	0.059	-0.288	-0.491	-0.0216	-0.0044	-0.0094
6519	0.072	-0.304	-0.523	-0.0042	-0.0026	-0.0071
6520	0.080	-0.279	-0.521	0.0154	-0.0005	-0.0004
6530	0.000	0.090	-0.000	0.0080	-0.0029	0.0039
6538	-0.054	0.491	-0.249	-0.0144	-0.0056	-0.0016
6539	-0.035	0.510	-0.274	-0.0161	-0.0054	-0.0078
6540	-0.004	0.499	-0.276	-0.0164	-0.0060	-0.0126
6550	0.083	0.409	-0.234	-0.0173	-0.0062	-0.0127
6560	0.112	0.381	-0.220	-0.0177	-0.0061	-0.0122
6570	0.064	0.518	-0.119	-0.0166	-0.0058	-0.0107
6578	0.038	0.593	-0.061	-0.0159	-0.0057	-0.0098
6579	0.016	0.612	-0.013	-0.0070	-0.0022	-0.0076
6580	0.001	0.580	0.005	0.0054	0.0002	-0.0016
6590	-0.000	0.568	-0.000	0.0057	0.0003	-0.0015
6600	-0.003	0.538	-0.020	0.0053	0.0004	-0.0011
6610	-0.005	0.515	-0.029	0.0052	0.0004	-0.0011
6620	-0.018	0.351	-0.086	0.0032	0.0005	-0.0008
6630	-0.019	0.328	-0.091	0.0029	0.0005	-0.0008
6640	-0.020	0.297	-0.088	-0.0026	0.0006	0.0002
6648	0.127	0.336	-0.252	-0.0179	-0.0060	-0.0124
6649	0.158	0.265	-0.281	-0.0208	-0.0057	-0.0136
6650	0.200	0.200	-0.281	-0.0214	-0.0049	-0.0145
6658	0.235	0.160	-0.268	-0.0214	-0.0048	-0.0144
6659	0.257	0.108	-0.234	-0.0203	-0.0019	-0.0104
6660	0.251	0.062	-0.180	-0.0175	-0.0003	-0.0047
6690	-0.018	0.266	-0.073	-0.0063	0.0004	0.0012
6700	-0.012	0.235	-0.049	-0.0100	-0.0001	0.0024
6710	-0.008	0.216	-0.033	-0.0100	-0.0001	0.0024
7120	0.007	0.295	-0.093	-0.0049	0.0016	-0.0019
7130	0.026	0.290	-0.096	-0.0082	-0.0002	-0.0050
7190	0.002	0.161	0.004	-0.0026	-0.0011	0.0012
7200	-0.000	0.177	-0.000	-0.0065	-0.0006	0.0020
7210	-0.004	0.193	-0.015	-0.0100	-0.0002	0.0024
7220	-0.008	0.213	-0.031	-0.0100	-0.0001	0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	0.0001	0.0004	0.0003
7560	0.004	0.364	0.763	0.0003	0.0013	0.0010
7570	0.006	0.364	0.782	0.0004	0.0015	0.0013
8020	0.006	0.364	0.782	0.0004	0.0015	0.0013
8030	0.009	0.363	0.802	0.0005	0.0017	0.0015
8040	0.015	0.360	0.824	0.0023	0.0038	0.0065
8050	0.021	0.357	0.843	0.0024	0.0039	0.0067
8060	0.027	0.353	0.863	0.0025	0.0039	0.0069
8068	0.035	0.347	0.885	0.0045	0.0026	0.0119
8069	0.039	0.309	0.893	0.0255	-0.0105	0.0153
8070	0.072	0.261	0.840	0.0377	-0.0133	0.0293
8078	0.126	0.239	0.773	0.0377	-0.0182	0.0306
8079	0.178	0.189	0.683	0.0396	-0.0265	0.0310
8080	0.177	0.130	0.580	0.0432	-0.0480	0.0205
8090	0.031	-0.070	0.000	0.0264	-0.0435	0.0142
8100	-0.102	-0.190	-0.329	0.0111	-0.0162	0.0075
8108	-0.125	-0.203	-0.359	0.0114	-0.0155	0.0068
8109	-0.148	-0.198	-0.368	0.0158	-0.0049	-0.0035
8110	-0.142	-0.168	-0.332	0.0249	0.0008	-0.0109
8120	-0.141	-0.167	-0.329	0.0250	0.0009	-0.0109
8130	-0.124	-0.147	-0.290	0.0250	0.0010	-0.0109
8140	-0.024	-0.031	-0.059	0.0246	0.0014	-0.0104
8150	-0.008	-0.011	-0.021	0.0243	0.0015	-0.0102
8160	-0.000	-0.000	-0.000	0.0192	0.0024	-0.0079
8170	0.009	0.033	0.027	0.0049	0.0050	-0.0024
8180	0.010	0.055	0.026	-0.0021	0.0066	0.0006
8190	0.009	0.074	0.023	-0.0023	0.0067	0.0008
8200	0.007	0.108	0.016	-0.0026	0.0068	0.0009
8210	0.031	0.117	0.062	-0.0026	0.0068	0.0009
8220	0.063	0.129	0.121	-0.0026	0.0068	0.0009
8230	0.004	0.142	0.009	-0.0027	0.0069	0.0010
8240	-0.120	-0.204	-0.307	0.0068	-0.0065	0.0048
8250	-0.118	-0.210	-0.288	-0.0018	0.0128	-0.0014
8260	-0.103	-0.207	-0.273	-0.0020	0.0132	-0.0016
8270	-0.025	-0.194	-0.202	-0.0027	0.0147	-0.0024
8280	-0.007	-0.191	-0.187	-0.0028	0.0148	-0.0025
8290	0.016	-0.185	-0.173	-0.0081	0.0259	-0.0225
8300	0.046	-0.175	-0.158	-0.0081	0.0260	-0.0229
8310	0.094	-0.160	-0.135	-0.0081	0.0259	-0.0234
8320	0.068	-0.113	-0.083	-0.0080	0.0256	-0.0237
8330	0.028	0.023	0.018	0.0052	0.0057	-0.0081
8338	0.143	-0.075	-0.033	0.0067	0.0036	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.056	-0.032	0.0081	-0.0003	0.0314
8340	0.108	-0.028	-0.022	0.0102	-0.0022	0.0494
8345	0.000	-0.001	0.000	0.0106	-0.0041	0.0432
8350	0.000	0.175	-0.000	-0.0249	-0.0171	-0.0376
8358	0.092	0.203	-0.067	-0.0306	-0.0191	-0.0418
8359	0.123	0.229	-0.101	-0.0219	-0.0162	-0.0294
8360	0.121	0.251	-0.119	-0.0118	-0.0011	-0.0061
8370	0.120	0.251	-0.119	-0.0114	-0.0009	-0.0059
8380	0.104	0.258	-0.120	-0.0112	-0.0007	-0.0057
8390	0.074	0.271	-0.121	-0.0108	-0.0001	-0.0055
8400	0.074	0.318	-0.066	-0.0108	-0.0001	-0.0055
8410	0.073	0.442	0.078	-0.0108	-0.0001	-0.0055
8420	0.044	0.284	-0.120	-0.0104	0.0007	-0.0052
8430	0.053	-0.085	-0.053	-0.0080	0.0252	-0.0237
8440	0.022	-0.044	-0.024	-0.0074	0.0148	-0.0250
8445	-0.000	-0.000	-0.000	-0.0072	0.0101	-0.0251
8449	-0.062	0.126	-0.005	-0.0079	-0.0092	-0.0212
8450	-0.058	0.125	-0.036	-0.0095	-0.0047	-0.0197
8451	-0.045	0.088	0.016	-0.0069	0.0029	-0.0247
8460	-0.057	0.124	-0.038	-0.0095	-0.0046	-0.0196
8470	-0.051	0.111	-0.055	-0.0095	-0.0046	-0.0196
8480	-0.025	0.058	-0.127	-0.0095	-0.0046	-0.0195
8490	-0.019	0.045	-0.144	-0.0095	-0.0046	-0.0195
8500	0.000	-0.000	-0.199	-0.0113	-0.0042	-0.0180
8510	0.032	-0.102	-0.301	-0.0130	-0.0035	-0.0152
8518	0.046	-0.160	-0.359	-0.0119	-0.0027	-0.0136
8519	0.056	-0.164	-0.387	-0.0015	0.0028	-0.0106
8520	0.066	-0.139	-0.387	0.0108	0.0060	-0.0038
8530	-0.000	0.229	-0.000	0.0081	0.0145	0.0099
8538	-0.518	0.634	0.032	0.0017	0.0239	0.0176
8539	-0.538	0.669	0.020	0.0049	0.0237	0.0134
8540	-0.525	0.700	-0.024	0.0048	0.0267	0.0085
8550	-0.482	0.728	-0.119	0.0059	0.0276	0.0078
8560	-0.454	0.745	-0.182	0.0066	0.0284	0.0074
8570	-0.224	0.689	-0.080	0.0072	0.0283	0.0078
8578	-0.096	0.656	-0.022	0.0072	0.0276	0.0080
8579	-0.023	0.622	0.006	0.0058	0.0181	0.0046
8580	0.000	0.580	0.005	0.0063	0.0142	-0.0007
8590	-0.000	0.569	-0.000	0.0064	0.0138	-0.0007
8600	-0.002	0.538	-0.020	0.0054	0.0127	-0.0009
8610	-0.004	0.516	-0.030	0.0052	0.0127	-0.0009
8620	-0.015	0.351	-0.086	0.0031	0.0124	-0.0008
8630	-0.017	0.329	-0.091	0.0028	0.0123	-0.0008
8640	-0.018	0.297	-0.088	-0.0027	0.0112	0.0001
8648	-0.525	0.762	-0.214	0.0063	0.0283	0.0071
8649	-0.584	0.780	-0.278	0.0011	0.0225	0.0046
8650	-0.572	0.784	-0.344	-0.0019	0.0139	-0.0012
8658	-0.538	0.780	-0.381	-0.0024	0.0134	-0.0016
8659	-0.510	0.751	-0.403	-0.0061	0.0053	-0.0086

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.528	0.703	-0.381	-0.0121	0.0022	-0.0135
8690	-0.016	0.266	-0.073	-0.0063	0.0106	0.0011
8700	-0.011	0.236	-0.049	-0.0099	0.0094	0.0022
8710	-0.007	0.216	-0.033	-0.0100	0.0094	0.0022
9120	0.009	0.295	-0.110	-0.0058	0.0079	-0.0020
9130	0.028	0.290	-0.119	-0.0102	0.0011	-0.0051
9190	0.002	0.161	0.005	-0.0029	0.0070	0.0011
9200	-0.000	0.177	-0.000	-0.0067	0.0081	0.0018
9210	-0.003	0.193	-0.015	-0.0099	0.0093	0.0022
9220	-0.007	0.213	-0.031	-0.0100	0.0093	0.0022
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	0.0001	0.0004	0.0003
9560	0.004	0.364	0.763	0.0003	0.0013	0.0010
9570	0.006	0.364	0.782	0.0004	0.0015	0.0013
10020	0.006	0.364	0.782	0.0003	0.0015	0.0013
10030	0.009	0.363	0.802	0.0004	0.0017	0.0015
10040	0.015	0.361	0.824	0.0022	0.0038	0.0064
10050	0.022	0.358	0.843	0.0023	0.0039	0.0067
10060	0.028	0.354	0.863	0.0024	0.0039	0.0069
10068	0.035	0.348	0.885	0.0045	0.0026	0.0119
10069	0.038	0.308	0.892	0.0284	-0.0113	0.0148
10070	0.069	0.257	0.830	0.0426	-0.0145	0.0281
10078	0.121	0.235	0.754	0.0427	-0.0196	0.0294
10079	0.170	0.187	0.655	0.0430	-0.0274	0.0289
10080	0.167	0.132	0.549	0.0454	-0.0472	0.0182
10090	0.021	-0.049	0.000	0.0256	-0.0375	0.0140
10100	-0.111	-0.182	-0.248	0.0076	-0.0105	0.0098
10108	-0.134	-0.200	-0.268	0.0076	-0.0106	0.0092
10109	-0.159	-0.197	-0.279	0.0100	-0.0056	-0.0027
10110	-0.153	-0.168	-0.256	0.0190	-0.0009	-0.0117
10120	-0.151	-0.167	-0.253	0.0191	-0.0008	-0.0117
10130	-0.133	-0.147	-0.224	0.0191	-0.0007	-0.0117
10140	-0.026	-0.031	-0.046	0.0191	-0.0004	-0.0112
10150	-0.009	-0.011	-0.017	0.0188	-0.0003	-0.0110
10160	-0.000	-0.000	-0.000	0.0149	0.0004	-0.0084
10170	0.010	0.033	0.021	0.0038	0.0025	-0.0026
10180	0.011	0.055	0.020	-0.0016	0.0037	0.0007
10190	0.010	0.075	0.017	-0.0018	0.0037	0.0008
10200	0.007	0.108	0.012	-0.0019	0.0038	0.0010
10210	0.021	0.115	0.058	-0.0019	0.0038	0.0010
10220	0.039	0.124	0.117	-0.0019	0.0038	0.0010
10230	0.004	0.142	0.007	-0.0021	0.0039	0.0011
10240	-0.120	-0.190	-0.226	0.0029	-0.0018	0.0079

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.113	-0.189	-0.206	-0.0063	0.0150	0.0032
10260	-0.095	-0.181	-0.191	-0.0065	0.0154	0.0031
10270	-0.006	-0.143	-0.121	-0.0072	0.0165	0.0025
10280	0.014	-0.134	-0.106	-0.0073	0.0165	0.0024
10290	0.035	-0.123	-0.091	-0.0124	0.0178	-0.0125
10300	0.055	-0.109	-0.076	-0.0124	0.0177	-0.0128
10310	0.087	-0.086	-0.053	-0.0124	0.0173	-0.0132
10320	0.062	-0.059	-0.018	-0.0123	0.0167	-0.0133
10330	0.029	0.023	0.015	0.0040	0.0037	-0.0082
10338	0.143	-0.075	-0.028	0.0054	0.0034	0.0005
10339	0.146	-0.056	-0.027	0.0067	-0.0001	0.0316
10340	0.109	-0.028	-0.019	0.0087	-0.0019	0.0497
10345	0.000	-0.001	0.000	0.0092	-0.0037	0.0434
10350	0.000	0.175	-0.000	-0.0226	-0.0158	-0.0382
10358	0.094	0.203	-0.061	-0.0279	-0.0177	-0.0426
10359	0.126	0.229	-0.092	-0.0201	-0.0151	-0.0299
10360	0.123	0.251	-0.109	-0.0110	-0.0016	-0.0061
10370	0.122	0.252	-0.109	-0.0107	-0.0014	-0.0059
10380	0.106	0.259	-0.111	-0.0105	-0.0012	-0.0057
10390	0.077	0.272	-0.113	-0.0102	-0.0006	-0.0054
10400	0.074	0.316	-0.058	-0.0102	-0.0006	-0.0054
10410	0.067	0.433	0.086	-0.0102	-0.0006	-0.0054
10420	0.047	0.284	-0.114	-0.0099	0.0000	-0.0052
10430	0.047	-0.044	0.001	-0.0123	0.0161	-0.0134
10440	0.022	-0.024	0.007	-0.0113	-0.0019	-0.0136
10445	-0.000	-0.001	-0.000	-0.0111	-0.0096	-0.0133
10449	-0.112	0.121	-0.303	-0.0102	-0.0273	-0.0096
10450	-0.089	0.110	-0.344	-0.0088	-0.0075	-0.0095
10451	-0.113	0.109	-0.231	-0.0100	-0.0328	-0.0116
10460	-0.088	0.109	-0.346	-0.0088	-0.0074	-0.0095
10470	-0.078	0.097	-0.363	-0.0088	-0.0073	-0.0095
10480	-0.037	0.048	-0.435	-0.0087	-0.0071	-0.0095
10490	-0.028	0.036	-0.452	-0.0087	-0.0071	-0.0094
10500	0.000	-0.000	-0.507	-0.0077	-0.0061	-0.0088
10510	0.046	-0.052	-0.609	-0.0047	-0.0052	-0.0075
10518	0.068	-0.067	-0.667	-0.0020	-0.0042	-0.0068
10519	0.075	-0.048	-0.684	0.0129	0.0011	-0.0044
10520	0.077	-0.011	-0.655	0.0272	0.0036	-0.0001
10525	-0.000	0.309	-0.000	0.0157	0.0121	0.0075
10530	-0.034	0.361	0.048	0.0095	0.0135	0.0093
10538	-0.529	0.767	0.134	0.0074	0.0245	0.0202
10539	-0.563	0.810	0.143	0.0199	0.0215	0.0254
10540	-0.560	0.872	0.120	0.0233	0.0212	0.0288
10550	-0.451	1.126	-0.076	0.0321	0.0232	0.0274
10560	-0.422	1.187	-0.129	0.0344	0.0238	0.0264
10570	-0.228	0.902	-0.027	0.0359	0.0242	0.0232
10578	-0.117	0.737	0.030	0.0354	0.0239	0.0213
10579	-0.038	0.638	0.034	0.0229	0.0150	0.0159
10580	-0.000	0.581	0.007	0.0079	0.0086	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.570	-0.000	0.0076	0.0084	0.0002
10600	-0.001	0.539	-0.022	0.0057	0.0079	-0.0007
10610	-0.002	0.517	-0.032	0.0055	0.0078	-0.0007
10620	-0.013	0.352	-0.090	0.0032	0.0077	-0.0008
10630	-0.014	0.329	-0.095	0.0029	0.0076	-0.0007
10640	-0.015	0.298	-0.092	-0.0029	0.0070	-0.0001
10648	-0.482	1.274	-0.161	0.0337	0.0236	0.0270
10649	-0.527	1.379	-0.220	0.0201	0.0184	0.0228
10650	-0.511	1.453	-0.277	0.0144	0.0126	0.0160
10658	-0.477	1.498	-0.311	0.0123	0.0123	0.0156
10659	-0.434	1.510	-0.347	0.0052	0.0037	0.0006
10660	-0.445	1.467	-0.336	-0.0140	-0.0029	-0.0182
10690	-0.014	0.267	-0.076	-0.0067	0.0066	0.0008
10700	-0.010	0.236	-0.050	-0.0103	0.0057	0.0019
10710	-0.007	0.216	-0.034	-0.0104	0.0057	0.0019
11120	0.012	0.296	-0.107	-0.0057	0.0053	-0.0020
11130	0.031	0.291	-0.113	-0.0097	0.0003	-0.0050
11190	0.002	0.162	0.004	-0.0023	0.0040	0.0012
11200	-0.000	0.178	-0.000	-0.0066	0.0048	0.0017
11210	-0.003	0.194	-0.015	-0.0103	0.0056	0.0019
11220	-0.006	0.213	-0.032	-0.0104	0.0057	0.0019
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	0.0001	0.0004	0.0003
11560	0.004	0.364	0.763	0.0003	0.0013	0.0010
11570	0.006	0.364	0.782	0.0004	0.0015	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	0.0001	0.0004	0.0003
13560	0.004	0.364	0.763	0.0003	0.0013	0.0010
13570	0.006	0.364	0.782	0.0004	0.0015	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	0.0001	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 5 (OPE) W+T3+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.364	0.763	0.0004	0.0013	0.0010
15570	0.006	0.364	0.782	0.0004	0.0015	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	0.0001	0.0004	0.0003
17560	0.004	0.364	0.763	0.0003	0.0013	0.0010
17570	0.006	0.364	0.782	0.0003	0.0015	0.0013
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	-0.000	-0.001	0.172	0.0001	0.0000	-0.0001
18020	0.000	-0.003	0.451	0.0001	0.0001	-0.0002
18022	0.069	-0.004	0.450	0.0001	0.0001	-0.0003
18025	0.069	-0.004	0.450	0.0001	0.0001	-0.0003
18027	0.091	-0.005	0.449	0.0003	0.0007	-0.0008
18030	0.114	-0.007	0.448	0.0004	0.0007	-0.0008
18040	0.001	-0.006	0.726	0.0001	0.0000	-0.0002
18042	0.001	-0.006	0.726	0.0001	0.0000	-0.0002
18045	0.001	-0.006	0.748	0.0003	-0.0001	-0.0004
18050	0.001	-0.007	0.771	0.0003	-0.0001	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	0.004	0.079	0.837	-0.0015	0.0002	0.0004
19550	0.001	0.168	0.823	-0.0015	0.0002	0.0004
19560	0.001	0.168	0.823	-0.0015	0.0002	0.0004
19580	0.001	0.178	0.821	-0.0016	0.0005	0.0005
19600	-0.000	0.195	0.818	-0.0016	0.0005	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.021	1.270	2.731	0.0013	0.0054	0.0044
30	0.031	1.267	2.800	0.0016	0.0060	0.0052
40	0.055	1.260	2.876	0.0080	0.0137	0.0226
50	0.076	1.247	2.944	0.0083	0.0139	0.0233
60	0.098	1.234	3.013	0.0086	0.0139	0.0241
68	0.126	1.213	3.089	0.0160	0.0096	0.0415
69	0.139	1.072	3.114	0.0981	-0.0358	0.0529
70	0.254	0.895	2.901	0.1490	-0.0459	0.1008
78	0.440	0.817	2.635	0.1496	-0.0631	0.1053
79	0.617	0.648	2.285	0.1570	-0.0920	0.1042
80	0.609	0.451	1.914	0.1682	-0.1633	0.0663
90	0.101	-0.201	0.000	0.1075	-0.1324	0.0488
95	-0.192	-0.505	-0.675	0.0724	-0.0676	0.0393
100	-0.362	-0.644	-0.865	0.0521	-0.0296	0.0303
108	-0.442	-0.700	-0.916	0.0550	-0.0281	0.0283
109	-0.528	-0.688	-0.915	0.0600	-0.0232	-0.0093
110	-0.509	-0.588	-0.814	0.0623	-0.0245	-0.0390
120	-0.503	-0.582	-0.806	0.0623	-0.0247	-0.0391
130	-0.442	-0.514	-0.709	0.0622	-0.0248	-0.0391
140	-0.087	-0.107	-0.142	0.0599	-0.0253	-0.0372
150	-0.030	-0.038	-0.050	0.0590	-0.0254	-0.0365
160	-0.000	-0.000	-0.000	0.0468	-0.0265	-0.0282
170	0.033	0.116	0.068	0.0125	-0.0297	-0.0088
180	0.037	0.196	0.069	-0.0054	-0.0344	0.0023
190	0.033	0.265	0.060	-0.0059	-0.0346	0.0028
200	0.024	0.382	0.042	-0.0066	-0.0350	0.0034
210	-0.103	0.406	0.203	-0.0066	-0.0350	0.0034
220	-0.266	0.437	0.409	-0.0066	-0.0350	0.0034
230	0.015	0.500	0.024	-0.0071	-0.0353	0.0038
240	-0.383	-0.715	-0.790	0.0338	-0.0005	0.0204
250	-0.348	-0.745	-0.722	-0.0031	0.0551	-0.0028
260	-0.282	-0.741	-0.669	-0.0040	0.0564	-0.0034
270	0.042	-0.709	-0.424	-0.0069	0.0596	-0.0064
280	0.114	-0.701	-0.372	-0.0072	0.0597	-0.0070
290	0.180	-0.678	-0.323	-0.0332	0.0437	-0.0813
300	0.230	-0.640	-0.273	-0.0335	0.0430	-0.0826
310	0.308	-0.578	-0.192	-0.0335	0.0411	-0.0847
320	0.218	-0.406	-0.110	-0.0333	0.0396	-0.0855
330	0.099	0.083	0.104	0.0101	-0.0178	-0.0285
338	0.499	-0.260	0.057	-0.0046	0.0164	0.0020
339	0.509	-0.191	0.038	-0.0070	0.0184	0.1102
340	0.379	-0.094	0.022	-0.0098	0.0187	0.1729
345	0.000	0.000	0.000	-0.0090	0.0172	0.1507
350	0.000	0.621	0.000	0.0095	0.0074	-0.1290
358	0.315	0.717	0.023	0.0104	0.0059	-0.1431
359	0.422	0.807	0.033	0.0053	0.0030	-0.1009
360	0.412	0.883	0.034	0.0007	-0.0056	-0.0215

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.409	0.884	0.034	0.0006	-0.0057	-0.0206
380	0.353	0.910	0.027	0.0005	-0.0058	-0.0201
390	0.249	0.956	0.013	0.0004	-0.0061	-0.0192
400	0.223	0.954	0.204	0.0004	-0.0061	-0.0192
410	0.153	0.950	0.710	0.0004	-0.0061	-0.0192
420	0.146	1.000	-0.002	0.0003	-0.0069	-0.0182
430	0.167	-0.306	-0.065	-0.0332	0.0388	-0.0858
440	0.077	-0.161	-0.037	-0.0317	0.0235	-0.0897
444	-0.000	-0.003	-0.000	-0.0314	0.0196	-0.0896
449	-0.381	0.707	0.048	-0.0388	-0.0150	-0.0580
450	-0.371	0.663	-0.052	-0.0505	-0.0295	-0.0477
451	-0.305	0.600	0.090	-0.0302	0.0082	-0.0838
460	-0.367	0.656	-0.058	-0.0505	-0.0295	-0.0475
470	-0.328	0.589	-0.117	-0.0505	-0.0296	-0.0473
480	-0.160	0.302	-0.367	-0.0508	-0.0295	-0.0467
490	-0.121	0.235	-0.426	-0.0508	-0.0295	-0.0466
500	-0.000	-0.000	-0.618	-0.0576	-0.0245	-0.0374
510	0.160	-0.501	-0.972	-0.0624	-0.0179	-0.0205
518	0.241	-0.778	-1.175	-0.0562	-0.0185	-0.0109
519	0.286	-0.805	-1.276	-0.0043	-0.0208	-0.0055
520	0.293	-0.712	-1.264	0.0494	-0.0173	0.0142
530	0.000	0.570	-0.000	-0.0027	-0.0521	-0.0152
538	1.637	1.960	-2.077	-0.0914	-0.0910	-0.0687
539	1.805	1.986	-2.168	-0.0787	-0.0997	-0.0686
540	1.944	1.894	-2.016	-0.0680	-0.1256	-0.0627
550	2.257	1.471	-1.125	-0.0626	-0.1377	-0.0584
560	2.358	1.340	-0.807	-0.0607	-0.1431	-0.0562
570	1.194	1.814	-0.452	-0.0572	-0.1442	-0.0576
578	0.538	2.070	-0.250	-0.0548	-0.1402	-0.0584
579	0.156	2.139	-0.080	-0.0282	-0.0874	-0.0393
580	0.006	2.035	0.004	0.0049	-0.0645	-0.0060
590	0.000	1.996	-0.000	0.0057	-0.0624	-0.0055
600	-0.012	1.889	-0.022	0.0065	-0.0563	-0.0038
610	-0.019	1.810	-0.034	0.0065	-0.0561	-0.0038
620	-0.063	1.235	-0.107	0.0044	-0.0542	-0.0030
630	-0.068	1.156	-0.115	0.0041	-0.0540	-0.0029
640	-0.072	1.047	-0.114	-0.0024	-0.0478	0.0006
648	2.718	1.187	-0.918	-0.0612	-0.1422	-0.0548
649	3.128	0.954	-0.903	-0.0585	-0.1064	-0.0505
650	3.359	0.771	-0.727	-0.0521	-0.0589	-0.0316
658	3.482	0.685	-0.572	-0.0521	-0.0562	-0.0299
659	3.597	0.586	-0.410	-0.0415	-0.0252	-0.0017
660	3.673	0.466	-0.284	-0.0363	-0.0180	0.0122
670	3.758	0.147	-0.021	-0.0388	-0.0111	0.0079
680	3.780	-0.002	0.112	-0.0406	-0.0079	0.0024
690	-0.062	0.937	-0.097	-0.0076	-0.0461	0.0044
700	-0.043	0.830	-0.067	-0.0134	-0.0426	0.0085
705	3.088	0.000	-0.000	-0.0430	-0.0054	-0.0040
710	-0.029	0.761	-0.045	-0.0136	-0.0424	0.0087

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	3.946	0.008	0.143	-0.0406	-0.0079	0.0024
730	0.701	0.983	-0.032	-0.0511	0.0029	-0.0355
735	0.000	1.637	-0.000	-0.0515	-0.0007	-0.0481
740	-1.167	3.129	-0.164	-0.0523	-0.0085	-0.0624
750	-2.298	4.754	-0.412	-0.0532	-0.0094	-0.0619
758	-2.464	4.986	-0.447	-0.0530	-0.0093	-0.0606
759	-2.722	5.072	-0.416	-0.0471	-0.0224	-0.0061
760	-2.680	4.832	-0.304	-0.0224	-0.0344	0.0549
770	-2.122	4.407	-0.108	-0.0171	-0.0385	0.0586
775	-1.654	4.062	-0.000	-0.0095	-0.0418	0.0587
780	-1.174	3.702	0.033	-0.0019	-0.0452	0.0566
785	-0.000	2.686	0.000	-0.0014	-0.0585	0.0398
790	0.737	1.538	0.200	-0.0150	-0.0734	0.0187
792	1.092	0.539	0.653	-0.0246	-0.0866	0.0137
795	1.210	0.154	0.898	-0.0315	-0.0839	0.0117
797	1.252	-0.000	1.011	-0.0337	-0.0828	0.0109
798	1.466	-1.142	1.965	-0.0351	-0.0749	0.0029
799	1.519	-1.346	1.924	0.0189	-0.0568	-0.0376
800	1.610	-1.235	1.651	0.0540	-0.0229	-0.0553
808	1.659	-1.115	1.556	0.0541	-0.0223	-0.0567
809	1.613	-0.776	1.343	0.0377	0.0051	-0.0527
810	1.383	-0.505	1.321	0.0238	0.0158	-0.0320
850	0.476	-0.031	1.567	0.0014	0.0015	-0.0032
860	0.395	-0.026	1.569	0.0013	0.0013	-0.0029
870	0.925	0.484	0.322	-0.0217	-0.0891	0.0146
875	0.768	0.429	-0.000	-0.0189	-0.0914	0.0150
878	0.379	0.294	-0.830	-0.0120	-0.0935	0.0151
879	0.027	0.225	-1.124	-0.0017	-0.0574	0.0242
880	-0.179	0.091	-0.991	0.0355	0.0056	0.0360
888	1.432	-2.608	1.875	0.0364	0.0393	0.0229
889	1.761	-2.638	1.972	0.0015	0.0639	0.0338
890	2.102	-2.445	1.734	-0.0083	0.0699	0.0423
899	2.235	-2.165	1.385	-0.0141	0.0710	0.0415
900	2.119	-1.872	1.135	-0.0330	0.0745	0.0475
902	-0.000	-0.000	0.000	-0.0107	0.0534	0.0565
905	-2.135	1.559	-0.000	-0.0044	0.0357	0.0632
908	-2.976	2.153	-0.130	-0.0141	0.0291	0.0605
909	-3.072	2.422	-0.333	-0.0395	0.0329	0.0128
910	-2.853	2.440	-0.515	-0.0351	0.0069	-0.0391
920	-2.343	1.958	-0.552	-0.0407	-0.0005	-0.0438
925	0.000	0.007	-0.000	-0.0482	-0.0055	-0.0222
930	0.731	-0.248	0.017	-0.0506	0.0013	-0.0109
935	3.104	0.000	-0.000	-0.0432	-0.0028	0.0169
940	3.812	0.328	0.070	-0.0409	-0.0051	0.0228
950	3.978	0.415	0.091	-0.0409	-0.0051	0.0228
960	-1.322	3.703	0.182	-0.0003	-0.0428	0.0551
968	-1.430	3.702	0.296	0.0004	-0.0407	0.0540
969	-1.549	3.742	0.426	0.0063	-0.0046	0.0391
970	-1.614	3.856	0.502	0.0106	0.0109	0.0126

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-1.742	4.587	0.728	0.0174	0.0315	0.0016
979	-1.639	4.681	0.764	0.0297	0.0341	-0.0395
980	-1.450	4.562	0.673	0.0263	0.0590	-0.0772
985	-0.973	3.701	-0.000	0.0359	0.0681	-0.0818
988	-0.320	2.507	-1.025	0.0489	0.0690	-0.0800
989	-0.140	2.236	-1.124	0.0514	0.0342	-0.0744
990	-0.052	1.984	-1.024	0.0676	-0.0055	-0.0771
1000	-0.121	1.438	-0.678	0.0710	-0.0113	-0.0723
1010	-0.137	1.343	-0.619	0.0714	-0.0121	-0.0714
1012	-0.156	1.228	-0.548	0.0715	-0.0122	-0.0714
1016	-0.241	0.736	-0.244	0.0715	-0.0123	-0.0711
1020	-0.261	0.621	-0.173	0.0715	-0.0123	-0.0711
1029	-0.252	0.349	-0.029	0.0624	-0.0140	-0.0643
1030	-0.138	0.129	0.037	0.0539	0.0112	-0.0422
1035	-0.000	0.000	-0.000	0.0533	0.0155	-0.0402
1040	0.139	-0.122	-0.059	0.0526	0.0205	-0.0382
1045	0.258	-0.237	-0.096	0.0518	0.0268	-0.0356
1050	0.319	-0.286	-0.133	0.0518	0.0271	-0.0355
1070	0.818	1.132	-0.209	-0.0523	-0.0004	-0.0343
1080	3.723	0.478	-0.065	-0.0391	-0.0086	0.0277
1090	0.771	-0.098	-0.162	-0.0540	-0.0011	-0.0127
1100	-2.090	4.903	-0.597	-0.0533	-0.0122	-0.0602
1110	-2.186	2.108	-0.699	-0.0446	-0.0013	-0.0473
1120	0.022	1.040	-0.038	-0.0014	-0.0280	-0.0069
1130	0.090	1.023	-0.011	0.0002	-0.0076	-0.0177
1190	0.008	0.568	0.012	-0.0073	-0.0355	0.0040
1200	-0.000	0.625	-0.000	-0.0111	-0.0388	0.0069
1210	-0.013	0.682	-0.021	-0.0136	-0.0422	0.0087
1220	-0.027	0.751	-0.042	-0.0136	-0.0424	0.0087
1230	-0.003	-0.026	2.693	0.0011	-0.0003	-0.0016
1240	-0.003	-0.028	2.774	0.0013	-0.0003	-0.0019
1248	-0.005	-0.151	3.506	0.0127	0.0032	-0.0226
1249	0.040	-0.412	3.622	0.0622	0.0287	-0.0240
1250	-0.090	-0.766	3.334	0.0921	0.0245	-0.0606
1258	-0.863	-1.314	2.217	0.0911	0.0379	-0.0657
1259	-1.104	-1.665	1.754	0.0789	0.0428	-0.0700
1260	-1.023	-2.060	1.321	0.0851	0.0789	-0.0572
1268	-0.249	-3.026	-0.098	0.0711	0.0841	-0.0524
1269	0.020	-3.111	-0.389	0.0590	0.0976	-0.0171
1270	0.123	-2.920	-0.394	0.0230	0.1091	0.0078
1275	0.000	-2.061	-0.000	0.0181	0.1055	0.0031
1280	0.157	-0.826	0.577	0.0256	0.1003	-0.0102
1285	0.177	-0.746	0.624	0.0256	0.1003	-0.0102
1290	0.197	-0.665	0.672	0.0257	0.1003	-0.0102
1300	0.201	-0.648	0.682	0.0259	0.1002	-0.0103
1310	0.206	-0.631	0.692	0.0262	0.1001	-0.0104
1315	0.226	-0.551	0.740	0.0262	0.1001	-0.0104
1320	0.247	-0.470	0.789	0.0263	0.1001	-0.0105
1325	0.567	0.636	1.605	0.0348	0.0954	-0.0112

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.684	1.081	1.967	0.0341	0.0934	-0.0092
1329	0.591	1.272	2.246	0.0075	0.0806	0.0160
1330	0.342	1.231	2.551	-0.0083	0.0472	0.0344
1338	0.161	1.086	2.747	-0.0106	0.0453	0.0346
1339	0.013	0.850	2.886	-0.0021	0.0096	0.0251
1340	-0.009	0.606	2.899	-0.0019	0.0011	0.0009
1350	-0.009	0.591	2.899	-0.0020	0.0008	0.0008
1360	-0.007	0.510	2.903	-0.0020	0.0007	0.0008
1373	0.436	-0.380	-0.206	0.0516	0.0279	-0.0351
1376	0.359	-0.239	-0.327	0.0514	0.0286	-0.0347
1380	0.323	-0.174	-0.383	0.0513	0.0288	-0.0345
1390	0.264	-0.085	-0.462	0.0483	0.0349	-0.0301
1392	0.216	-0.018	-0.523	0.0482	0.0351	-0.0300
1396	0.015	0.254	-0.774	0.0477	0.0355	-0.0295
1400	-0.034	0.320	-0.835	0.0475	0.0356	-0.0294
1410	-0.251	0.553	-1.089	0.0318	0.0378	-0.0197
1418	-0.353	0.629	-1.209	0.0230	0.0371	-0.0152
1419	-0.416	0.569	-1.270	-0.0525	0.0175	-0.0027
1420	-0.398	0.427	-1.138	-0.1144	0.0031	0.0311
1425	0.000	0.000	-0.000	-0.1092	-0.0080	0.0545
1428	2.062	-1.231	2.270	-0.0713	-0.0402	0.0669
1429	2.107	-1.340	2.375	-0.0732	-0.0429	0.0133
1430	2.020	-1.344	2.341	-0.0717	-0.0533	-0.0406
1435	-0.001	-0.000	-0.000	-0.1038	-0.0428	0.0474
1438	-0.254	-0.355	-0.242	-0.1078	-0.0412	0.0662
1439	-0.353	-0.516	-0.396	-0.1039	-0.0346	0.0580
1440	-0.400	-0.623	-0.607	-0.0796	-0.0394	0.0342
1448	-0.390	-0.674	-0.783	-0.0753	-0.0371	0.0292
1449	-0.387	-0.671	-0.860	-0.0398	-0.0424	0.0166
1450	-0.386	-0.632	-0.890	0.0003	-0.0444	-0.0023
1455	-0.000	0.320	0.000	0.0805	-0.0220	-0.0277
1458	0.061	0.416	0.190	0.0837	-0.0198	-0.0287
1459	0.135	0.545	0.288	0.0343	-0.0177	-0.0324
1460	0.183	0.554	0.210	-0.0600	-0.0059	-0.0304
1470	-0.320	-0.837	-1.709	0.1253	0.0285	-0.0571
1480	-0.372	-0.596	-1.786	0.1485	0.0299	-0.0582
1490	-0.428	-0.303	-1.866	0.1737	0.0313	-0.0593
1495	-0.335	-0.235	-1.572	0.1933	0.0313	-0.0597
1497	-0.228	-0.157	-1.186	0.2418	0.0313	-0.0607
1498	-2.002	4.360	-3.066	0.1753	0.0556	-0.1005
1499	-2.027	4.486	-3.123	0.1775	0.0330	-0.1022
1500	-0.000	0.004	-0.000	0.3500	0.0313	-0.0630
1504	-0.486	0.015	-1.947	0.1735	0.0326	-0.0597
1505	-1.995	4.457	-3.159	0.1773	0.0082	-0.1080
1506	-0.547	0.323	-2.025	0.1731	0.0362	-0.0609
1508	-0.339	0.032	-0.736	0.2168	-0.1161	-0.1153
1509	-0.254	-0.056	-0.541	0.2189	-0.1189	-0.1099
1510	-0.136	-0.057	-0.287	0.2221	-0.1200	-0.1059
1520	0.000	0.000	-0.000	0.2224	-0.1200	-0.1056

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.021	1.270	2.731	0.0014	0.0054	0.0044
2030	0.030	1.267	2.800	0.0016	0.0059	0.0051
2040	0.054	1.259	2.876	0.0082	0.0136	0.0224
2050	0.076	1.246	2.944	0.0085	0.0138	0.0231
2060	0.098	1.233	3.013	0.0088	0.0138	0.0239
2068	0.125	1.212	3.089	0.0163	0.0095	0.0411
2069	0.138	1.069	3.113	0.1000	-0.0352	0.0525
2070	0.252	0.889	2.895	0.1527	-0.0451	0.1000
2078	0.437	0.812	2.622	0.1534	-0.0621	0.1044
2079	0.613	0.643	2.264	0.1622	-0.0911	0.1034
2080	0.604	0.447	1.891	0.1736	-0.1617	0.0661
2090	0.096	-0.205	0.000	0.1147	-0.1303	0.0490
2100	-0.367	-0.649	-0.837	0.0608	-0.0259	0.0300
2108	-0.447	-0.704	-0.880	0.0608	-0.0232	0.0277
2109	-0.532	-0.689	-0.857	0.0645	-0.0085	-0.0108
2110	-0.511	-0.588	-0.744	0.0571	-0.0085	-0.0392
2120	-0.505	-0.582	-0.736	0.0570	-0.0084	-0.0393
2130	-0.444	-0.514	-0.648	0.0569	-0.0084	-0.0393
2140	-0.088	-0.107	-0.130	0.0547	-0.0082	-0.0373
2150	-0.030	-0.038	-0.045	0.0539	-0.0082	-0.0367
2160	-0.000	-0.000	-0.000	0.0428	-0.0078	-0.0283
2170	0.033	0.117	0.062	0.0114	-0.0067	-0.0088
2180	0.037	0.197	0.062	-0.0049	-0.0071	0.0023
2190	0.033	0.266	0.054	-0.0054	-0.0071	0.0028
2200	0.024	0.383	0.038	-0.0061	-0.0071	0.0034
2210	-0.002	0.405	0.199	-0.0061	-0.0071	0.0034
2220	-0.035	0.434	0.405	-0.0061	-0.0071	0.0034
2230	0.015	0.501	0.021	-0.0065	-0.0071	0.0038
2240	-0.383	-0.740	-0.762	0.0472	0.0022	0.0209
2250	-0.345	-0.797	-0.693	0.0197	0.0557	-0.0005
2260	-0.278	-0.820	-0.641	0.0191	0.0569	-0.0011
2270	0.049	-0.918	-0.396	0.0169	0.0600	-0.0038
2280	0.120	-0.938	-0.343	0.0166	0.0601	-0.0044
2290	0.186	-0.945	-0.294	-0.0045	0.0410	-0.0729
2300	0.233	-0.939	-0.244	-0.0048	0.0403	-0.0741
2310	0.305	-0.930	-0.163	-0.0048	0.0384	-0.0760
2320	0.216	-0.776	-0.087	-0.0048	0.0368	-0.0768
2330	0.099	0.084	0.068	0.0104	-0.0015	-0.0285
2338	0.499	-0.260	-0.002	0.0043	0.0105	0.0018
2339	0.509	-0.191	-0.009	0.0041	0.0084	0.1101
2340	0.379	-0.095	-0.008	0.0040	0.0072	0.1729
2345	0.000	0.000	0.000	0.0044	0.0050	0.1508
2350	0.000	0.620	-0.000	-0.0142	-0.0092	-0.1299
2358	0.317	0.716	-0.039	-0.0179	-0.0114	-0.1442
2359	0.425	0.806	-0.060	-0.0135	-0.0106	-0.1017
2360	0.415	0.882	-0.072	-0.0081	-0.0034	-0.0218
2370	0.413	0.884	-0.072	-0.0079	-0.0033	-0.0209
2380	0.356	0.910	-0.077	-0.0078	-0.0032	-0.0204
2390	0.253	0.957	-0.084	-0.0076	-0.0029	-0.0195

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.240	0.990	0.107	-0.0076	-0.0029	-0.0195
2410	0.207	1.076	0.613	-0.0076	-0.0029	-0.0195
2420	0.150	1.001	-0.090	-0.0074	-0.0026	-0.0185
2430	0.165	-0.686	-0.045	-0.0047	0.0358	-0.0772
2440	0.077	-0.543	-0.026	-0.0044	0.0172	-0.0824
2445	-0.000	-0.397	-0.000	-0.0044	0.0118	-0.0830
2449	-0.375	0.302	-0.041	-0.0111	-0.0212	-0.0615
2450	-0.360	0.314	-0.143	-0.0230	-0.0285	-0.0529
2451	-0.305	0.173	0.019	-0.0043	-0.0027	-0.0805
2460	-0.357	0.311	-0.149	-0.0230	-0.0285	-0.0526
2470	-0.319	0.280	-0.208	-0.0231	-0.0285	-0.0525
2480	-0.157	0.149	-0.459	-0.0233	-0.0285	-0.0521
2490	-0.119	0.118	-0.518	-0.0234	-0.0284	-0.0520
2500	-0.000	-0.000	-0.710	-0.0315	-0.0255	-0.0450
2510	0.181	-0.303	-1.064	-0.0394	-0.0206	-0.0321
2518	0.272	-0.480	-1.267	-0.0355	-0.0195	-0.0247
2519	0.318	-0.479	-1.358	0.0043	-0.0108	-0.0169
2520	0.336	-0.382	-1.341	0.0477	-0.0036	0.0041
2530	0.000	0.901	-0.000	0.0147	-0.0055	0.0109
2538	-0.051	2.302	-0.878	-0.0412	-0.0079	-0.0073
2539	0.008	2.372	-0.937	-0.0286	-0.0129	-0.0187
2540	0.109	2.362	-0.925	-0.0224	-0.0226	-0.0262
2550	0.413	2.181	-0.763	-0.0150	-0.0271	-0.0248
2560	0.514	2.125	-0.699	-0.0125	-0.0295	-0.0231
2570	0.274	2.200	-0.345	-0.0071	-0.0298	-0.0219
2578	0.139	2.227	-0.143	-0.0051	-0.0290	-0.0212
2579	0.050	2.173	-0.022	0.0057	-0.0173	-0.0161
2580	0.004	2.039	0.007	0.0079	-0.0112	-0.0046
2590	-0.000	2.000	-0.000	0.0079	-0.0108	-0.0044
2600	-0.010	1.892	-0.023	0.0064	-0.0097	-0.0036
2610	-0.017	1.814	-0.035	0.0063	-0.0096	-0.0035
2620	-0.059	1.238	-0.103	0.0039	-0.0093	-0.0029
2630	-0.065	1.159	-0.110	0.0036	-0.0092	-0.0028
2640	-0.068	1.049	-0.108	-0.0028	-0.0081	0.0004
2648	0.588	2.092	-0.809	-0.0140	-0.0298	-0.0227
2649	0.726	1.991	-0.898	-0.0357	-0.0304	-0.0294
2650	0.884	1.853	-0.873	-0.0417	-0.0226	-0.0338
2658	1.005	1.760	-0.813	-0.0441	-0.0216	-0.0335
2659	1.094	1.615	-0.723	-0.0435	-0.0089	-0.0315
2660	1.056	1.452	-0.583	-0.0517	-0.0074	-0.0330
2690	-0.059	0.939	-0.091	-0.0074	-0.0079	0.0041
2700	-0.041	0.832	-0.062	-0.0125	-0.0077	0.0082
2710	-0.028	0.763	-0.042	-0.0127	-0.0077	0.0083
3120	0.026	1.042	-0.097	-0.0046	-0.0042	-0.0071
3130	0.093	1.025	-0.093	-0.0072	-0.0026	-0.0180
3190	0.008	0.569	0.011	-0.0067	-0.0071	0.0040
3200	-0.000	0.627	-0.000	-0.0102	-0.0074	0.0067
3210	-0.013	0.684	-0.019	-0.0127	-0.0076	0.0083
3220	-0.026	0.753	-0.039	-0.0127	-0.0077	0.0083

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.021	1.270	2.731	0.0013	0.0054	0.0044
4030	0.031	1.267	2.800	0.0016	0.0060	0.0052
4040	0.055	1.260	2.876	0.0080	0.0137	0.0226
4050	0.076	1.247	2.944	0.0083	0.0139	0.0233
4060	0.098	1.234	3.013	0.0086	0.0139	0.0241
4068	0.126	1.213	3.089	0.0160	0.0096	0.0415
4069	0.139	1.072	3.114	0.0982	-0.0358	0.0529
4070	0.253	0.894	2.901	0.1491	-0.0460	0.1008
4078	0.440	0.817	2.635	0.1497	-0.0632	0.1053
4079	0.617	0.647	2.284	0.1571	-0.0921	0.1042
4080	0.609	0.450	1.913	0.1681	-0.1633	0.0663
4090	0.101	-0.202	0.000	0.1073	-0.1323	0.0488
4100	-0.362	-0.644	-0.862	0.0517	-0.0293	0.0303
4108	-0.442	-0.700	-0.912	0.0546	-0.0277	0.0283
4109	-0.528	-0.688	-0.910	0.0597	-0.0222	-0.0093
4110	-0.509	-0.588	-0.810	0.0619	-0.0233	-0.0390
4120	-0.503	-0.582	-0.801	0.0619	-0.0234	-0.0391
4130	-0.442	-0.514	-0.705	0.0618	-0.0235	-0.0391
4140	-0.087	-0.107	-0.142	0.0595	-0.0240	-0.0372
4150	-0.030	-0.038	-0.049	0.0586	-0.0241	-0.0365
4160	-0.000	-0.000	-0.000	0.0466	-0.0251	-0.0282
4170	0.033	0.116	0.068	0.0124	-0.0281	-0.0088
4180	0.037	0.196	0.068	-0.0053	-0.0326	0.0023
4190	0.033	0.265	0.059	-0.0059	-0.0328	0.0027
4200	0.024	0.382	0.042	-0.0066	-0.0331	0.0034
4210	-0.096	0.406	0.203	-0.0066	-0.0331	0.0034
4220	-0.251	0.437	0.409	-0.0066	-0.0331	0.0034
4230	0.015	0.500	0.024	-0.0071	-0.0334	0.0038
4240	-0.383	-0.715	-0.787	0.0335	-0.0002	0.0204
4250	-0.348	-0.745	-0.719	-0.0032	0.0551	-0.0028
4260	-0.281	-0.740	-0.666	-0.0041	0.0564	-0.0034
4270	0.043	-0.708	-0.421	-0.0070	0.0596	-0.0063
4280	0.114	-0.699	-0.369	-0.0073	0.0597	-0.0069
4290	0.181	-0.676	-0.320	-0.0333	0.0434	-0.0810
4300	0.230	-0.638	-0.270	-0.0336	0.0427	-0.0823
4310	0.307	-0.576	-0.189	-0.0336	0.0408	-0.0844
4320	0.218	-0.404	-0.108	-0.0334	0.0393	-0.0852
4330	0.099	0.084	0.102	0.0101	-0.0167	-0.0284
4338	0.499	-0.260	0.053	-0.0040	0.0160	0.0019
4339	0.509	-0.191	0.034	-0.0063	0.0177	0.1101
4340	0.379	-0.094	0.020	-0.0089	0.0179	0.1729
4345	0.000	0.000	0.000	-0.0081	0.0163	0.1507
4350	0.000	0.621	0.000	0.0079	0.0063	-0.1294
4358	0.316	0.717	0.019	0.0085	0.0047	-0.1436
4359	0.423	0.807	0.027	0.0041	0.0021	-0.1012
4360	0.413	0.883	0.027	0.0001	-0.0056	-0.0215
4370	0.410	0.884	0.027	-0.0000	-0.0056	-0.0206
4380	0.354	0.910	0.020	-0.0001	-0.0057	-0.0201
4390	0.251	0.956	0.006	-0.0002	-0.0060	-0.0192

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.225	0.957	0.197	-0.0002	-0.0060	-0.0192
4410	0.157	0.959	0.703	-0.0002	-0.0060	-0.0192
4420	0.147	1.000	-0.008	-0.0003	-0.0066	-0.0182
4430	0.167	-0.305	-0.063	-0.0333	0.0385	-0.0855
4440	0.077	-0.161	-0.036	-0.0319	0.0228	-0.0895
4445	-0.000	-0.003	-0.000	-0.0316	0.0188	-0.0893
4449	-0.381	0.706	0.040	-0.0389	-0.0156	-0.0584
4450	-0.370	0.662	-0.060	-0.0505	-0.0294	-0.0483
4451	-0.305	0.599	0.083	-0.0305	0.0072	-0.0837
4460	-0.366	0.656	-0.066	-0.0505	-0.0295	-0.0481
4470	-0.327	0.589	-0.125	-0.0505	-0.0295	-0.0479
4480	-0.159	0.302	-0.376	-0.0507	-0.0294	-0.0474
4490	-0.120	0.234	-0.435	-0.0508	-0.0294	-0.0472
4500	-0.000	-0.000	-0.627	-0.0575	-0.0246	-0.0382
4510	0.161	-0.499	-0.981	-0.0621	-0.0180	-0.0217
4518	0.242	-0.774	-1.184	-0.0559	-0.0184	-0.0123
4519	0.286	-0.801	-1.284	-0.0044	-0.0195	-0.0066
4520	0.295	-0.708	-1.273	0.0491	-0.0156	0.0133
4530	0.000	0.574	-0.000	-0.0011	-0.0472	-0.0131
4538	1.477	1.965	-1.963	-0.0860	-0.0825	-0.0617
4539	1.629	1.998	-2.048	-0.0720	-0.0912	-0.0597
4540	1.761	1.925	-1.908	-0.0612	-0.1160	-0.0520
4550	2.073	1.577	-1.084	-0.0548	-0.1276	-0.0472
4560	2.174	1.472	-0.789	-0.0527	-0.1327	-0.0448
4570	1.094	1.878	-0.435	-0.0487	-0.1337	-0.0474
4578	0.487	2.096	-0.232	-0.0464	-0.1299	-0.0490
4579	0.139	2.144	-0.071	-0.0227	-0.0812	-0.0323
4580	0.005	2.036	0.005	0.0055	-0.0611	-0.0054
4590	0.000	1.997	-0.000	0.0061	-0.0591	-0.0050
4600	-0.011	1.889	-0.022	0.0066	-0.0534	-0.0037
4610	-0.018	1.811	-0.034	0.0065	-0.0531	-0.0037
4620	-0.062	1.235	-0.108	0.0044	-0.0514	-0.0030
4630	-0.067	1.157	-0.115	0.0041	-0.0511	-0.0028
4640	-0.070	1.047	-0.115	-0.0025	-0.0453	0.0005
4648	2.508	1.339	-0.900	-0.0533	-0.1320	-0.0429
4649	2.893	1.138	-0.895	-0.0531	-0.0989	-0.0386
4650	3.116	0.997	-0.736	-0.0467	-0.0541	-0.0173
4658	3.239	0.950	-0.594	-0.0472	-0.0514	-0.0154
4659	3.372	0.896	-0.447	-0.0380	-0.0219	0.0151
4660	3.499	0.797	-0.329	-0.0363	-0.0158	0.0313
4690	-0.061	0.937	-0.097	-0.0077	-0.0436	0.0043
4700	-0.042	0.830	-0.067	-0.0135	-0.0404	0.0084
4710	-0.029	0.761	-0.046	-0.0136	-0.0402	0.0085
5120	0.024	1.040	-0.042	-0.0016	-0.0265	-0.0069
5130	0.091	1.023	-0.017	-0.0003	-0.0073	-0.0177
5190	0.008	0.568	0.012	-0.0073	-0.0336	0.0040
5200	-0.000	0.625	-0.000	-0.0111	-0.0368	0.0068
5210	-0.013	0.682	-0.021	-0.0136	-0.0400	0.0085
5220	-0.026	0.751	-0.042	-0.0136	-0.0401	0.0085

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.021	1.269	2.731	0.0014	0.0054	0.0044
6030	0.030	1.267	2.800	0.0017	0.0059	0.0052
6040	0.054	1.259	2.876	0.0083	0.0136	0.0226
6050	0.076	1.246	2.944	0.0086	0.0137	0.0233
6060	0.097	1.232	3.013	0.0089	0.0137	0.0241
6068	0.124	1.211	3.089	0.0164	0.0093	0.0415
6069	0.137	1.069	3.114	0.0988	-0.0366	0.0527
6070	0.250	0.891	2.900	0.1494	-0.0468	0.1006
6078	0.436	0.813	2.633	0.1499	-0.0640	0.1051
6079	0.613	0.644	2.282	0.1563	-0.0926	0.1046
6080	0.605	0.445	1.911	0.1670	-0.1635	0.0671
6090	0.098	-0.215	0.000	0.1050	-0.1315	0.0489
6100	-0.365	-0.651	-0.842	0.0484	-0.0257	0.0289
6108	-0.446	-0.704	-0.885	0.0497	-0.0226	0.0267
6109	-0.530	-0.689	-0.864	0.0569	-0.0038	-0.0107
6110	-0.510	-0.588	-0.753	0.0577	-0.0011	-0.0391
6120	-0.504	-0.582	-0.745	0.0576	-0.0010	-0.0392
6130	-0.443	-0.514	-0.656	0.0575	-0.0010	-0.0392
6140	-0.088	-0.107	-0.132	0.0554	-0.0008	-0.0372
6150	-0.030	-0.038	-0.046	0.0545	-0.0008	-0.0366
6160	-0.000	-0.000	-0.000	0.0433	-0.0004	-0.0282
6170	0.033	0.117	0.063	0.0115	0.0006	-0.0088
6180	0.037	0.197	0.063	-0.0050	0.0007	0.0023
6190	0.033	0.265	0.054	-0.0055	0.0007	0.0028
6200	0.024	0.383	0.038	-0.0061	0.0007	0.0034
6210	0.027	0.405	0.199	-0.0061	0.0007	0.0034
6220	0.030	0.434	0.405	-0.0061	0.0007	0.0034
6230	0.015	0.500	0.021	-0.0065	0.0007	0.0038
6240	-0.381	-0.718	-0.767	0.0320	0.0023	0.0187
6250	-0.343	-0.748	-0.699	-0.0011	0.0555	-0.0049
6260	-0.276	-0.746	-0.646	-0.0019	0.0567	-0.0055
6270	0.049	-0.727	-0.402	-0.0045	0.0597	-0.0085
6280	0.120	-0.721	-0.349	-0.0048	0.0598	-0.0091
6290	0.186	-0.701	-0.300	-0.0320	0.0412	-0.0849
6300	0.233	-0.665	-0.250	-0.0323	0.0405	-0.0862
6310	0.306	-0.605	-0.169	-0.0325	0.0386	-0.0883
6320	0.217	-0.425	-0.092	-0.0324	0.0370	-0.0892
6330	0.099	0.084	0.059	0.0109	0.0037	-0.0285
6338	0.499	-0.260	-0.017	0.0069	0.0086	0.0019
6339	0.509	-0.192	-0.021	0.0073	0.0057	0.1101
6340	0.379	-0.095	-0.016	0.0076	0.0043	0.1729
6345	0.000	-0.000	0.000	0.0078	0.0020	0.1507
6350	0.000	0.620	-0.000	-0.0193	-0.0124	-0.1291
6358	0.315	0.716	-0.052	-0.0237	-0.0146	-0.1432
6359	0.422	0.806	-0.079	-0.0172	-0.0129	-0.1010
6360	0.412	0.882	-0.093	-0.0096	-0.0023	-0.0218
6370	0.409	0.883	-0.093	-0.0094	-0.0022	-0.0209
6380	0.353	0.909	-0.096	-0.0092	-0.0020	-0.0204
6390	0.250	0.956	-0.101	-0.0089	-0.0015	-0.0195

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.243	0.995	0.091	-0.0089	-0.0015	-0.0195
6410	0.226	1.096	0.596	-0.0089	-0.0015	-0.0195
6420	0.146	1.000	-0.103	-0.0086	-0.0010	-0.0185
6430	0.165	-0.321	-0.050	-0.0324	0.0362	-0.0896
6440	0.077	-0.169	-0.029	-0.0326	0.0188	-0.0950
6445	-0.000	-0.001	-0.000	-0.0327	0.0140	-0.0954
6449	-0.377	0.776	-0.013	-0.0415	-0.0188	-0.0702
6450	-0.365	0.735	-0.115	-0.0558	-0.0287	-0.0602
6451	-0.305	0.652	0.040	-0.0334	0.0007	-0.0920
6460	-0.361	0.728	-0.120	-0.0558	-0.0287	-0.0600
6470	-0.323	0.654	-0.179	-0.0558	-0.0287	-0.0598
6480	-0.160	0.336	-0.430	-0.0561	-0.0287	-0.0593
6490	-0.122	0.262	-0.489	-0.0562	-0.0287	-0.0592
6500	-0.000	-0.000	-0.681	-0.0648	-0.0263	-0.0515
6510	0.191	-0.570	-1.035	-0.0720	-0.0222	-0.0372
6518	0.291	-0.892	-1.239	-0.0663	-0.0214	-0.0291
6519	0.344	-0.939	-1.347	-0.0146	-0.0129	-0.0208
6520	0.368	-0.853	-1.353	0.0417	-0.0051	0.0026
6530	0.000	0.429	-0.000	0.0198	-0.0087	0.0156
6538	-0.201	1.829	-0.818	-0.0491	-0.0131	-0.0071
6539	-0.130	1.893	-0.910	-0.0559	-0.0119	-0.0315
6540	-0.017	1.845	-0.932	-0.0567	-0.0144	-0.0502
6550	0.287	1.490	-0.827	-0.0591	-0.0177	-0.0495
6560	0.388	1.379	-0.785	-0.0598	-0.0193	-0.0472
6570	0.232	1.843	-0.432	-0.0556	-0.0193	-0.0410
6578	0.144	2.091	-0.230	-0.0526	-0.0191	-0.0374
6579	0.062	2.147	-0.067	-0.0224	-0.0088	-0.0297
6580	0.005	2.037	0.005	0.0053	-0.0000	-0.0060
6590	-0.000	1.998	-0.000	0.0057	0.0001	-0.0055
6600	-0.012	1.890	-0.020	0.0058	0.0004	-0.0038
6610	-0.019	1.812	-0.031	0.0057	0.0004	-0.0037
6620	-0.063	1.236	-0.093	0.0036	0.0005	-0.0030
6630	-0.068	1.158	-0.099	0.0033	0.0005	-0.0028
6640	-0.072	1.048	-0.098	-0.0025	0.0008	0.0005
6648	0.437	1.227	-0.896	-0.0610	-0.0198	-0.0480
6649	0.553	0.978	-0.992	-0.0726	-0.0261	-0.0528
6650	0.708	0.735	-0.968	-0.0748	-0.0268	-0.0557
6658	0.830	0.580	-0.895	-0.0750	-0.0263	-0.0553
6659	0.902	0.388	-0.754	-0.0699	-0.0132	-0.0393
6660	0.876	0.223	-0.564	-0.0578	-0.0063	-0.0166
6690	-0.062	0.938	-0.082	-0.0067	0.0008	0.0044
6700	-0.043	0.831	-0.057	-0.0114	0.0008	0.0085
6710	-0.029	0.762	-0.039	-0.0116	0.0008	0.0086
7120	0.023	1.041	-0.102	-0.0049	0.0014	-0.0070
7130	0.090	1.024	-0.105	-0.0085	-0.0008	-0.0180
7190	0.008	0.569	0.011	-0.0067	0.0007	0.0040
7200	-0.000	0.626	-0.000	-0.0096	0.0007	0.0069
7210	-0.013	0.683	-0.018	-0.0116	0.0008	0.0086
7220	-0.027	0.752	-0.036	-0.0116	0.0008	0.0086

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-6.947	0.000	0.0000	0.0000	-0.0000
7500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
7510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
7535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
7540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
7550	0.003	1.273	2.538	0.0003	0.0015	0.0009
7560	0.013	1.272	2.662	0.0011	0.0048	0.0036
7570	0.021	1.270	2.731	0.0013	0.0054	0.0044
8020	0.021	1.270	2.731	0.0014	0.0054	0.0044
8030	0.030	1.267	2.800	0.0017	0.0059	0.0052
8040	0.054	1.259	2.876	0.0081	0.0135	0.0226
8050	0.075	1.246	2.944	0.0084	0.0136	0.0234
8060	0.097	1.233	3.013	0.0087	0.0136	0.0241
8068	0.124	1.212	3.089	0.0161	0.0092	0.0416
8069	0.135	1.071	3.115	0.0974	-0.0375	0.0526
8070	0.247	0.895	2.904	0.1468	-0.0480	0.1003
8078	0.433	0.818	2.642	0.1471	-0.0653	0.1049
8079	0.609	0.648	2.297	0.1524	-0.0938	0.1044
8080	0.601	0.450	1.927	0.1627	-0.1647	0.0670
8090	0.094	-0.209	0.000	0.0992	-0.1328	0.0490
8100	-0.369	-0.649	-0.845	0.0412	-0.0240	0.0297
8108	-0.450	-0.703	-0.884	0.0421	-0.0196	0.0275
8109	-0.534	-0.689	-0.850	0.0526	0.0112	-0.0105
8110	-0.514	-0.588	-0.730	0.0559	0.0182	-0.0394
8120	-0.508	-0.582	-0.723	0.0559	0.0184	-0.0395
8130	-0.447	-0.514	-0.636	0.0558	0.0185	-0.0395
8140	-0.088	-0.107	-0.128	0.0537	0.0191	-0.0375
8150	-0.030	-0.038	-0.045	0.0529	0.0193	-0.0369
8160	-0.000	-0.000	-0.000	0.0420	0.0206	-0.0284
8170	0.033	0.117	0.061	0.0113	0.0246	-0.0088
8180	0.037	0.197	0.061	-0.0049	0.0281	0.0024
8190	0.033	0.266	0.053	-0.0054	0.0282	0.0028
8200	0.024	0.383	0.037	-0.0060	0.0285	0.0034
8210	0.128	0.405	0.198	-0.0060	0.0285	0.0034
8220	0.261	0.433	0.404	-0.0060	0.0285	0.0034
8230	0.014	0.501	0.021	-0.0063	0.0287	0.0038
8240	-0.382	-0.703	-0.770	0.0252	0.0034	0.0203
8250	-0.344	-0.723	-0.702	-0.0067	0.0556	-0.0017
8260	-0.277	-0.715	-0.649	-0.0075	0.0568	-0.0023
8270	0.049	-0.665	-0.405	-0.0099	0.0598	-0.0051
8280	0.120	-0.653	-0.352	-0.0102	0.0598	-0.0057
8290	0.186	-0.630	-0.303	-0.0294	0.0414	-0.0761
8300	0.233	-0.597	-0.253	-0.0296	0.0407	-0.0774
8310	0.306	-0.542	-0.172	-0.0295	0.0388	-0.0793
8320	0.217	-0.381	-0.095	-0.0292	0.0373	-0.0801
8330	0.099	0.084	0.026	0.0119	0.0207	-0.0285
8338	0.499	-0.261	-0.075	0.0160	0.0028	0.0017

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.509	-0.193	-0.067	0.0186	-0.0042	0.1099
8340	0.379	-0.096	-0.046	0.0213	-0.0069	0.1729
8345	0.000	-0.001	0.000	0.0210	-0.0098	0.1510
8350	0.000	0.617	-0.000	-0.0419	-0.0285	-0.1312
8358	0.321	0.713	-0.111	-0.0506	-0.0313	-0.1459
8359	0.430	0.803	-0.167	-0.0352	-0.0260	-0.1030
8360	0.421	0.880	-0.195	-0.0181	-0.0006	-0.0221
8370	0.418	0.882	-0.195	-0.0175	-0.0002	-0.0212
8380	0.362	0.908	-0.195	-0.0172	0.0001	-0.0206
8390	0.258	0.956	-0.194	-0.0166	0.0012	-0.0197
8400	0.264	1.027	-0.003	-0.0166	0.0012	-0.0197
8410	0.277	1.217	0.503	-0.0166	0.0012	-0.0197
8420	0.155	1.001	-0.190	-0.0159	0.0027	-0.0187
8430	0.165	-0.287	-0.052	-0.0291	0.0364	-0.0804
8440	0.077	-0.150	-0.030	-0.0266	0.0195	-0.0844
8445	-0.000	-0.001	-0.000	-0.0260	0.0148	-0.0845
8449	-0.234	0.420	-0.007	-0.0280	-0.0120	-0.0709
8450	-0.237	0.417	-0.102	-0.0317	-0.0185	-0.0663
8451	-0.156	0.296	0.035	-0.0248	0.0078	-0.0829
8460	-0.235	0.413	-0.108	-0.0317	-0.0185	-0.0662
8470	-0.210	0.371	-0.167	-0.0318	-0.0185	-0.0661
8480	-0.105	0.190	-0.418	-0.0319	-0.0185	-0.0658
8490	-0.080	0.148	-0.477	-0.0319	-0.0185	-0.0657
8500	0.000	-0.000	-0.670	-0.0366	-0.0180	-0.0606
8510	0.135	-0.321	-1.024	-0.0400	-0.0150	-0.0513
8518	0.198	-0.498	-1.227	-0.0357	-0.0120	-0.0460
8519	0.234	-0.500	-1.319	0.0008	0.0088	-0.0352
8520	0.266	-0.407	-1.313	0.0405	0.0203	-0.0116
8530	-0.000	0.877	-0.000	0.0286	0.0535	0.0358
8538	-1.835	2.289	0.157	0.0027	0.0900	0.0616
8539	-1.906	2.412	0.103	0.0143	0.0893	0.0452
8540	-1.857	2.515	-0.061	0.0155	0.0970	0.0283
8550	-1.710	2.610	-0.405	0.0201	0.0990	0.0262
8560	-1.609	2.668	-0.631	0.0232	0.1000	0.0254
8570	-0.797	2.459	-0.278	0.0279	0.1007	0.0273
8578	-0.339	2.327	-0.077	0.0289	0.0980	0.0285
8579	-0.083	2.191	0.013	0.0273	0.0635	0.0167
8580	0.002	2.039	0.009	0.0094	0.0493	-0.0023
8590	-0.000	2.000	-0.000	0.0088	0.0478	-0.0025
8600	-0.008	1.892	-0.023	0.0060	0.0438	-0.0031
8610	-0.014	1.814	-0.034	0.0058	0.0436	-0.0031
8620	-0.053	1.238	-0.094	0.0033	0.0423	-0.0028
8630	-0.058	1.160	-0.099	0.0030	0.0422	-0.0027
8640	-0.063	1.050	-0.096	-0.0029	0.0380	0.0002
8648	-1.860	2.725	-0.742	0.0217	0.0985	0.0245
8649	-2.037	2.768	-0.950	-0.0072	0.0591	0.0123
8650	-1.966	2.752	-1.106	-0.0204	0.0196	-0.0108
8658	-1.847	2.721	-1.156	-0.0232	0.0181	-0.0121
8659	-1.755	2.602	-1.151	-0.0330	0.0020	-0.0354

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-1.830	2.427	-1.034	-0.0469	-0.0029	-0.0497
8690	-0.055	0.940	-0.080	-0.0068	0.0367	0.0037
8700	-0.038	0.832	-0.055	-0.0111	0.0341	0.0075
8710	-0.026	0.763	-0.037	-0.0112	0.0340	0.0077
9120	0.031	1.042	-0.162	-0.0081	0.0235	-0.0073
9130	0.099	1.024	-0.186	-0.0156	0.0036	-0.0182
9190	0.008	0.570	0.011	-0.0065	0.0289	0.0040
9200	-0.000	0.627	-0.000	-0.0093	0.0313	0.0064
9210	-0.012	0.684	-0.017	-0.0112	0.0338	0.0077
9220	-0.024	0.753	-0.035	-0.0112	0.0340	0.0077
9490	-0.000	-6.947	0.000	0.0000	0.0000	-0.0000
9500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
9510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
9535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
9540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
9550	0.003	1.273	2.538	0.0003	0.0014	0.0009
9560	0.013	1.272	2.662	0.0011	0.0047	0.0036
9570	0.021	1.270	2.731	0.0014	0.0054	0.0044
10020	0.021	1.270	2.731	0.0011	0.0054	0.0044
10030	0.031	1.269	2.800	0.0014	0.0059	0.0052
10040	0.054	1.262	2.875	0.0074	0.0136	0.0226
10050	0.076	1.250	2.944	0.0077	0.0137	0.0233
10060	0.098	1.238	3.013	0.0080	0.0137	0.0241
10068	0.124	1.218	3.089	0.0154	0.0091	0.0415
10069	0.134	1.077	3.114	0.0989	-0.0391	0.0519
10070	0.242	0.899	2.898	0.1499	-0.0504	0.0983
10078	0.424	0.822	2.630	0.1502	-0.0680	0.1028
10079	0.596	0.654	2.280	0.1529	-0.0959	0.1006
10080	0.584	0.465	1.907	0.1617	-0.1650	0.0626
10090	0.077	-0.157	0.000	0.0935	-0.1270	0.0485
10100	-0.386	-0.628	-0.761	0.0311	-0.0181	0.0357
10108	-0.466	-0.694	-0.789	0.0329	-0.0150	0.0334
10109	-0.554	-0.688	-0.764	0.0424	0.0082	-0.0080
10110	-0.534	-0.588	-0.663	0.0505	0.0145	-0.0409
10120	-0.528	-0.582	-0.656	0.0505	0.0146	-0.0410
10130	-0.464	-0.514	-0.577	0.0505	0.0147	-0.0410
10140	-0.092	-0.107	-0.116	0.0488	0.0151	-0.0390
10150	-0.031	-0.038	-0.041	0.0481	0.0152	-0.0383
10160	-0.000	0.000	-0.000	0.0383	0.0159	-0.0295
10170	0.034	0.118	0.056	0.0104	0.0183	-0.0090
10180	0.038	0.198	0.057	-0.0044	0.0203	0.0025
10190	0.033	0.267	0.049	-0.0049	0.0204	0.0029
10200	0.025	0.385	0.035	-0.0055	0.0205	0.0035
10210	0.099	0.405	0.196	-0.0055	0.0205	0.0035
10220	0.195	0.430	0.402	-0.0055	0.0205	0.0035
10230	0.014	0.502	0.020	-0.0059	0.0207	0.0039
10240	-0.390	-0.663	-0.685	0.0129	0.0085	0.0289

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.344	-0.661	-0.616	-0.0234	0.0585	0.0131
10260	-0.274	-0.632	-0.564	-0.0243	0.0596	0.0127
10270	0.067	-0.489	-0.319	-0.0270	0.0623	0.0107
10280	0.141	-0.456	-0.266	-0.0272	0.0622	0.0102
10290	0.205	-0.415	-0.217	-0.0458	0.0330	-0.0405
10300	0.242	-0.362	-0.167	-0.0459	0.0321	-0.0414
10310	0.300	-0.278	-0.086	-0.0457	0.0298	-0.0428
10320	0.210	-0.191	-0.027	-0.0453	0.0280	-0.0433
10330	0.100	0.084	0.030	0.0108	0.0161	-0.0287
10338	0.501	-0.261	-0.060	0.0132	0.0036	0.0017
10339	0.511	-0.193	-0.055	0.0153	-0.0024	0.1101
10340	0.380	-0.096	-0.038	0.0175	-0.0048	0.1734
10345	0.000	-0.001	0.000	0.0174	-0.0075	0.1517
10350	0.000	0.617	-0.000	-0.0356	-0.0250	-0.1335
10358	0.327	0.713	-0.094	-0.0433	-0.0277	-0.1487
10359	0.439	0.805	-0.143	-0.0306	-0.0235	-0.1049
10360	0.430	0.883	-0.168	-0.0163	-0.0024	-0.0221
10370	0.427	0.884	-0.169	-0.0159	-0.0021	-0.0212
10380	0.371	0.911	-0.172	-0.0156	-0.0018	-0.0206
10390	0.268	0.958	-0.175	-0.0150	-0.0009	-0.0197
10400	0.264	1.023	0.016	-0.0150	-0.0009	-0.0197
10410	0.254	1.195	0.522	-0.0150	-0.0009	-0.0197
10420	0.164	1.003	-0.176	-0.0145	0.0003	-0.0187
10430	0.159	-0.140	0.005	-0.0451	0.0268	-0.0434
10440	0.077	-0.080	0.002	-0.0407	0.0021	-0.0429
10445	-0.000	-0.005	-0.000	-0.0397	-0.0058	-0.0414
10449	-0.446	0.351	-0.296	-0.0343	-0.0380	-0.0274
10450	-0.413	0.314	-0.409	-0.0257	-0.0326	-0.0284
10451	-0.392	0.322	-0.193	-0.0344	-0.0299	-0.0337
10460	-0.408	0.310	-0.415	-0.0256	-0.0325	-0.0284
10470	-0.365	0.276	-0.473	-0.0256	-0.0325	-0.0283
10480	-0.181	0.132	-0.724	-0.0253	-0.0324	-0.0282
10490	-0.138	0.098	-0.783	-0.0252	-0.0324	-0.0282
10500	0.000	0.000	-0.976	-0.0192	-0.0307	-0.0261
10510	0.231	-0.104	-1.330	-0.0067	-0.0261	-0.0222
10518	0.342	-0.117	-1.533	0.0005	-0.0221	-0.0200
10519	0.375	-0.051	-1.597	0.0348	-0.0004	-0.0111
10520	0.377	0.067	-1.536	0.0646	0.0093	0.0043
10525	-0.000	1.178	-0.000	0.0403	0.0452	0.0306
10530	-0.138	1.357	0.132	0.0282	0.0511	0.0370
10538	-1.993	2.776	0.649	0.0325	0.0974	0.0732
10539	-2.113	2.927	0.678	0.0733	0.0882	0.0889
10540	-2.105	3.143	0.576	0.0841	0.0890	0.0994
10550	-1.723	4.025	-0.235	0.1150	0.0926	0.0964
10560	-1.623	4.242	-0.445	0.1229	0.0925	0.0938
10570	-0.868	3.214	-0.093	0.1300	0.0942	0.0832
10578	-0.438	2.616	0.109	0.1290	0.0928	0.0772
10579	-0.140	2.246	0.110	0.0874	0.0572	0.0569
10580	-0.002	2.043	0.013	0.0150	0.0333	0.0019

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	2.004	-0.000	0.0133	0.0324	0.0007
10600	-0.004	1.896	-0.030	0.0072	0.0298	-0.0024
10610	-0.008	1.817	-0.043	0.0069	0.0297	-0.0025
10620	-0.043	1.241	-0.112	0.0037	0.0288	-0.0026
10630	-0.048	1.163	-0.118	0.0034	0.0287	-0.0026
10640	-0.053	1.052	-0.114	-0.0036	0.0261	-0.0002
10648	-1.854	4.550	-0.556	0.1201	0.0907	0.0960
10649	-2.008	4.914	-0.755	0.0650	0.0525	0.0793
10650	-1.932	5.163	-0.902	0.0433	0.0210	0.0552
10658	-1.812	5.317	-0.957	0.0352	0.0202	0.0539
10659	-1.659	5.362	-1.020	0.0135	-0.0005	0.0059
10660	-1.679	5.221	-0.963	-0.0466	-0.0181	-0.0533
10690	-0.047	0.942	-0.094	-0.0081	0.0253	0.0029
10700	-0.033	0.834	-0.064	-0.0130	0.0238	0.0065
10710	-0.023	0.765	-0.043	-0.0131	0.0237	0.0066
11120	0.041	1.044	-0.159	-0.0079	0.0159	-0.0075
11130	0.108	1.026	-0.175	-0.0142	0.0010	-0.0182
11190	0.008	0.571	0.010	-0.0061	0.0208	0.0041
11200	-0.000	0.628	-0.000	-0.0101	0.0222	0.0059
11210	-0.010	0.686	-0.020	-0.0131	0.0236	0.0067
11220	-0.021	0.755	-0.040	-0.0131	0.0237	0.0067
11490	-0.000	-6.947	0.000	0.0000	0.0000	-0.0000
11500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
11510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
11535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
11540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
11550	0.003	1.273	2.538	0.0003	0.0015	0.0009
11560	0.013	1.272	2.662	0.0011	0.0048	0.0036
11570	0.021	1.270	2.731	0.0013	0.0054	0.0044
13490	-0.000	-6.947	0.000	0.0000	0.0000	-0.0000
13500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
13510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
13535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
13540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
13550	0.003	1.273	2.538	0.0003	0.0014	0.0009
13560	0.013	1.271	2.662	0.0012	0.0047	0.0036
13570	0.021	1.269	2.731	0.0014	0.0054	0.0044
15490	-0.000	-6.947	0.000	0.0000	0.0000	-0.0000
15500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
15510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
15535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
15540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
15550	0.003	1.273	2.538	0.0003	0.0014	0.0009

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 7 (OPE) W+T4+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.013	1.271	2.662	0.0011	0.0047	0.0036
15570	0.021	1.270	2.731	0.0014	0.0054	0.0044
17490	-0.000	-6.946	0.000	0.0000	0.0000	-0.0000
17500	0.000	-6.947	1.331	0.0000	0.0000	-0.0000
17510	0.000	0.000	1.331	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	1.274	1.331	-0.0000	0.0000	-0.0000
17535	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
17540	0.001	1.274	2.446	-0.0000	0.0000	-0.0000
17550	0.003	1.273	2.538	0.0002	0.0015	0.0009
17560	0.013	1.272	2.662	0.0009	0.0047	0.0036
17570	0.021	1.270	2.731	0.0011	0.0054	0.0044
18000	-0.000	-0.000	-0.000	0.0000	-0.0000	-0.0000
18010	-0.000	-0.002	0.602	0.0002	-0.0000	-0.0003
18020	-0.001	-0.011	1.574	0.0005	0.0000	-0.0007
18022	0.237	-0.016	1.574	0.0005	0.0001	-0.0009
18025	0.237	-0.016	1.574	0.0005	0.0001	-0.0009
18027	0.314	-0.020	1.572	0.0012	0.0013	-0.0028
18030	0.395	-0.026	1.569	0.0013	0.0013	-0.0029
18040	-0.002	-0.023	2.535	0.0005	-0.0000	-0.0008
18042	-0.002	-0.023	2.535	0.0005	-0.0000	-0.0008
18045	-0.002	-0.024	2.612	0.0011	-0.0002	-0.0016
18050	-0.003	-0.026	2.693	0.0011	-0.0003	-0.0016
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	0.001	0.104	2.927	-0.0019	0.0002	0.0006
19550	-0.005	0.415	2.909	-0.0019	0.0003	0.0006
19560	-0.005	0.415	2.909	-0.0019	0.0003	0.0006
19580	-0.006	0.449	2.907	-0.0020	0.0007	0.0008
19600	-0.007	0.510	2.903	-0.0020	0.0007	0.0008

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.007	0.364	0.782	0.0004	0.0017	0.0013
30	0.009	0.363	0.802	0.0005	0.0018	0.0015
40	0.017	0.361	0.824	0.0024	0.0043	0.0066
50	0.024	0.357	0.843	0.0025	0.0043	0.0068
60	0.030	0.353	0.863	0.0026	0.0043	0.0070
68	0.039	0.347	0.885	0.0047	0.0031	0.0121
69	0.044	0.307	0.892	0.0277	-0.0097	0.0155
70	0.078	0.256	0.833	0.0416	-0.0125	0.0294
78	0.133	0.234	0.758	0.0417	-0.0175	0.0307
79	0.184	0.185	0.661	0.0437	-0.0258	0.0305
80	0.183	0.127	0.556	0.0471	-0.0468	0.0196
90	0.037	-0.065	0.000	0.0298	-0.0401	0.0140
95	-0.047	-0.150	-0.216	0.0198	-0.0240	0.0107
100	-0.095	-0.187	-0.292	0.0140	-0.0148	0.0079
108	-0.118	-0.202	-0.320	0.0145	-0.0153	0.0073
109	-0.142	-0.197	-0.338	0.0160	-0.0143	-0.0030
110	-0.137	-0.168	-0.312	0.0234	-0.0115	-0.0106
120	-0.136	-0.167	-0.309	0.0234	-0.0115	-0.0106
130	-0.119	-0.147	-0.273	0.0235	-0.0115	-0.0106
140	-0.024	-0.031	-0.056	0.0232	-0.0113	-0.0100
150	-0.008	-0.011	-0.020	0.0228	-0.0113	-0.0098
160	-0.000	-0.000	-0.000	0.0181	-0.0111	-0.0076
170	0.009	0.032	0.025	0.0046	-0.0104	-0.0024
180	0.010	0.055	0.025	-0.0020	-0.0110	0.0006
190	0.009	0.074	0.021	-0.0022	-0.0111	0.0007
200	0.007	0.108	0.015	-0.0024	-0.0111	0.0009
210	-0.034	0.116	0.061	-0.0024	-0.0111	0.0009
220	-0.086	0.128	0.120	-0.0024	-0.0111	0.0009
230	0.004	0.141	0.009	-0.0026	-0.0112	0.0010
240	-0.112	-0.207	-0.270	0.0094	-0.0055	0.0049
250	-0.109	-0.216	-0.250	0.0001	0.0130	-0.0020
260	-0.093	-0.216	-0.235	-0.0002	0.0134	-0.0021
270	-0.014	-0.213	-0.165	-0.0009	0.0147	-0.0030
280	0.004	-0.211	-0.150	-0.0010	0.0149	-0.0032
290	0.025	-0.206	-0.135	-0.0085	0.0221	-0.0253
300	0.050	-0.197	-0.121	-0.0086	0.0221	-0.0257
310	0.091	-0.181	-0.097	-0.0086	0.0219	-0.0263
320	0.065	-0.127	-0.053	-0.0086	0.0214	-0.0266
330	0.028	0.023	0.037	0.0041	-0.0053	-0.0080
338	0.142	-0.075	0.003	0.0008	0.0071	0.0005
339	0.145	-0.055	-0.003	0.0009	0.0057	0.0314
340	0.108	-0.028	-0.004	0.0015	0.0046	0.0493
345	0.000	-0.000	0.000	0.0023	0.0031	0.0430
350	0.000	0.176	-0.000	-0.0110	-0.0072	-0.0376
358	0.092	0.204	-0.030	-0.0140	-0.0088	-0.0419
359	0.124	0.230	-0.047	-0.0109	-0.0081	-0.0295
360	0.121	0.252	-0.056	-0.0067	-0.0022	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.120	0.252	-0.056	-0.0065	-0.0021	-0.0057
380	0.104	0.259	-0.059	-0.0064	-0.0020	-0.0055
390	0.074	0.272	-0.064	-0.0063	-0.0018	-0.0053
400	0.067	0.299	-0.009	-0.0063	-0.0017	-0.0053
410	0.049	0.370	0.136	-0.0063	-0.0016	-0.0053
420	0.045	0.284	-0.067	-0.0061	-0.0017	-0.0050
430	0.050	-0.096	-0.028	-0.0086	0.0209	-0.0267
440	0.022	-0.050	-0.010	-0.0086	0.0072	-0.0283
444	-0.000	-0.000	-0.000	-0.0086	0.0011	-0.0285
449	-0.097	0.231	-0.112	-0.0115	-0.0175	-0.0196
450	-0.083	0.219	-0.148	-0.0165	-0.0068	-0.0161
451	-0.088	0.195	-0.067	-0.0087	-0.0144	-0.0273
460	-0.082	0.216	-0.150	-0.0165	-0.0067	-0.0160
470	-0.073	0.194	-0.167	-0.0165	-0.0067	-0.0160
480	-0.036	0.101	-0.239	-0.0166	-0.0066	-0.0158
490	-0.027	0.079	-0.255	-0.0166	-0.0065	-0.0158
500	0.000	-0.000	-0.310	-0.0197	-0.0062	-0.0130
510	0.052	-0.177	-0.412	-0.0225	-0.0068	-0.0079
518	0.084	-0.277	-0.470	-0.0205	-0.0074	-0.0049
519	0.102	-0.291	-0.501	-0.0026	-0.0081	-0.0032
520	0.108	-0.264	-0.496	0.0172	-0.0067	0.0036
530	0.000	0.104	-0.000	0.0020	-0.0160	-0.0038
538	0.439	0.502	-0.580	-0.0250	-0.0264	-0.0161
539	0.477	0.514	-0.603	-0.0207	-0.0289	-0.0135
540	0.512	0.501	-0.558	-0.0178	-0.0354	-0.0108
550	0.602	0.428	-0.309	-0.0162	-0.0378	-0.0102
560	0.630	0.405	-0.222	-0.0156	-0.0386	-0.0100
570	0.316	0.527	-0.120	-0.0148	-0.0390	-0.0115
578	0.138	0.594	-0.062	-0.0142	-0.0379	-0.0124
579	0.038	0.610	-0.014	-0.0072	-0.0238	-0.0080
580	0.001	0.579	0.005	0.0054	-0.0182	-0.0013
590	0.000	0.568	-0.000	0.0058	-0.0175	-0.0012
600	-0.003	0.537	-0.020	0.0055	-0.0157	-0.0009
610	-0.004	0.515	-0.030	0.0054	-0.0156	-0.0009
620	-0.015	0.350	-0.090	0.0034	-0.0151	-0.0008
630	-0.016	0.328	-0.095	0.0031	-0.0150	-0.0007
640	-0.018	0.297	-0.093	-0.0026	-0.0131	0.0001
648	0.727	0.366	-0.254	-0.0158	-0.0382	-0.0095
649	0.834	0.311	-0.254	-0.0153	-0.0259	-0.0082
650	0.895	0.278	-0.217	-0.0137	-0.0125	-0.0028
658	0.930	0.270	-0.185	-0.0138	-0.0118	-0.0023
659	0.969	0.258	-0.148	-0.0119	-0.0051	0.0044
660	1.003	0.229	-0.111	-0.0128	-0.0041	0.0079
670	1.059	0.137	-0.017	-0.0138	-0.0027	0.0072
680	1.083	0.095	0.030	-0.0143	-0.0019	0.0063
690	-0.015	0.265	-0.077	-0.0066	-0.0129	0.0011
700	-0.010	0.235	-0.052	-0.0105	-0.0123	0.0021
705	0.884	-0.000	-0.000	-0.0149	-0.0021	0.0054
710	-0.007	0.215	-0.035	-0.0106	-0.0123	0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.130	0.119	0.038	-0.0143	-0.0019	0.0063
730	0.201	-0.044	-0.020	-0.0170	0.0020	-0.0075
735	0.000	0.123	-0.000	-0.0168	-0.0006	-0.0145
740	-0.333	0.653	-0.092	-0.0164	-0.0040	-0.0240
750	-0.656	1.306	-0.180	-0.0162	-0.0024	-0.0254
758	-0.703	1.401	-0.188	-0.0163	-0.0023	-0.0249
759	-0.785	1.449	-0.171	-0.0154	-0.0047	-0.0038
760	-0.770	1.381	-0.124	-0.0088	-0.0079	0.0175
770	-0.592	1.259	-0.045	-0.0069	-0.0092	0.0183
775	-0.448	1.160	-0.000	-0.0038	-0.0103	0.0176
780	-0.309	1.057	0.012	-0.0006	-0.0114	0.0158
785	-0.000	0.767	0.000	-0.0005	-0.0166	0.0101
790	0.187	0.439	0.072	-0.0052	-0.0225	0.0048
792	0.292	0.153	0.209	-0.0058	-0.0276	0.0054
795	0.341	0.044	0.260	-0.0063	-0.0262	0.0052
797	0.359	-0.000	0.281	-0.0067	-0.0256	0.0051
798	0.479	-0.326	0.473	-0.0072	-0.0214	0.0031
799	0.501	-0.382	0.453	0.0063	-0.0150	-0.0100
800	0.514	-0.349	0.374	0.0155	-0.0019	-0.0162
808	0.517	-0.315	0.347	0.0155	-0.0016	-0.0166
809	0.477	-0.217	0.298	0.0106	0.0078	-0.0153
810	0.399	-0.140	0.318	0.0066	0.0084	-0.0090
850	0.139	-0.008	0.445	0.0004	0.0009	-0.0009
860	0.116	-0.006	0.447	0.0003	0.0008	-0.0008
870	0.244	0.131	0.104	-0.0050	-0.0290	0.0060
875	0.199	0.107	-0.000	-0.0043	-0.0306	0.0064
878	0.088	0.049	-0.290	-0.0026	-0.0328	0.0068
879	-0.021	0.006	-0.399	0.0013	-0.0174	0.0126
880	-0.055	-0.053	-0.355	0.0119	0.0128	0.0167
888	1.143	-0.928	0.462	0.0122	0.0212	0.0172
889	1.284	-0.925	0.470	0.0022	0.0289	0.0210
890	1.404	-0.813	0.350	-0.0015	0.0314	0.0266
899	1.409	-0.655	0.201	-0.0024	0.0304	0.0302
900	1.285	-0.534	0.125	-0.0048	0.0301	0.0331
902	0.000	-0.000	-0.000	-0.0002	0.0230	0.0246
905	-0.659	0.446	-0.000	-0.0036	0.0171	0.0160
908	-0.866	0.617	-0.079	-0.0073	0.0148	0.0148
909	-0.882	0.690	-0.163	-0.0134	0.0150	0.0019
910	-0.816	0.690	-0.235	-0.0104	0.0033	-0.0117
920	-0.670	0.548	-0.256	-0.0116	0.0003	-0.0129
925	0.000	0.001	-0.000	-0.0146	-0.0025	-0.0061
930	0.210	-0.069	-0.003	-0.0155	0.0014	-0.0031
935	0.889	-0.000	-0.000	-0.0136	-0.0013	0.0041
940	1.092	0.076	0.018	-0.0130	-0.0011	0.0051
950	1.140	0.095	0.023	-0.0130	-0.0011	0.0051
960	-0.344	1.057	0.055	0.0002	-0.0102	0.0141
968	-0.369	1.056	0.088	0.0005	-0.0094	0.0127
969	-0.388	1.063	0.127	0.0041	0.0042	0.0055
970	-0.372	1.093	0.157	0.0068	0.0112	-0.0099

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.166	1.301	0.289	0.0091	0.0154	-0.0142
979	-0.097	1.313	0.302	0.0113	0.0162	-0.0233
980	-0.031	1.250	0.261	0.0099	0.0231	-0.0300
985	0.107	0.928	-0.000	0.0113	0.0268	-0.0296
988	0.295	0.516	-0.410	0.0132	0.0272	-0.0267
989	0.349	0.437	-0.448	0.0116	0.0085	-0.0204
990	0.355	0.382	-0.414	0.0125	-0.0141	-0.0193
1000	0.228	0.281	-0.315	0.0132	-0.0182	-0.0171
1010	0.203	0.263	-0.298	0.0133	-0.0188	-0.0168
1012	0.173	0.242	-0.278	0.0133	-0.0189	-0.0167
1016	0.043	0.150	-0.191	0.0133	-0.0190	-0.0166
1020	0.012	0.129	-0.170	0.0133	-0.0191	-0.0166
1029	-0.045	0.072	-0.102	0.0131	-0.0283	-0.0150
1030	-0.039	0.024	-0.024	0.0111	-0.0079	-0.0080
1035	0.000	0.000	-0.000	0.0114	-0.0035	-0.0073
1040	0.040	-0.022	-0.000	0.0116	0.0015	-0.0067
1045	0.073	-0.043	-0.006	0.0121	0.0065	-0.0060
1050	0.090	-0.051	-0.016	0.0122	0.0067	-0.0059
1070	0.228	-0.001	-0.079	-0.0175	0.0016	-0.0081
1080	1.073	0.118	-0.025	-0.0126	-0.0019	0.0060
1090	0.223	-0.026	-0.058	-0.0165	0.0008	-0.0042
1100	-0.570	1.349	-0.234	-0.0155	-0.0025	-0.0251
1110	-0.623	0.591	-0.297	-0.0120	0.0010	-0.0143
1120	0.009	0.295	-0.074	-0.0040	-0.0066	-0.0019
1130	0.029	0.290	-0.069	-0.0060	-0.0018	-0.0049
1190	0.002	0.161	0.005	-0.0028	-0.0112	0.0011
1200	-0.000	0.177	-0.000	-0.0069	-0.0117	0.0017
1210	-0.003	0.193	-0.016	-0.0105	-0.0123	0.0021
1220	-0.007	0.212	-0.032	-0.0106	-0.0123	0.0021
1230	0.005	-0.006	0.771	0.0002	0.0001	-0.0004
1240	0.006	-0.006	0.794	0.0003	0.0001	-0.0005
1248	0.010	-0.039	1.004	0.0038	0.0009	-0.0052
1249	0.018	-0.127	1.030	0.0234	0.0057	-0.0059
1250	-0.016	-0.243	0.908	0.0368	0.0046	-0.0142
1258	-0.197	-0.401	0.459	0.0368	0.0075	-0.0151
1259	-0.236	-0.488	0.286	0.0320	0.0077	-0.0106
1260	-0.192	-0.543	0.175	0.0323	0.0141	-0.0016
1268	0.029	-0.562	-0.079	0.0285	0.0154	-0.0001
1269	0.081	-0.525	-0.118	0.0230	0.0245	0.0057
1270	0.077	-0.454	-0.099	0.0072	0.0309	0.0056
1275	0.000	-0.208	-0.000	0.0018	0.0327	0.0011
1280	0.096	0.146	0.007	0.0029	0.0354	-0.0049
1285	0.105	0.169	0.013	0.0030	0.0354	-0.0049
1290	0.115	0.192	0.018	0.0030	0.0354	-0.0049
1300	0.117	0.197	0.019	0.0032	0.0355	-0.0049
1310	0.119	0.202	0.021	0.0034	0.0355	-0.0049
1315	0.128	0.225	0.027	0.0035	0.0355	-0.0049
1320	0.138	0.248	0.034	0.0035	0.0355	-0.0049
1325	0.235	0.564	0.249	0.0115	0.0379	-0.0013

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.241	0.691	0.373	0.0116	0.0388	0.0010
1329	0.167	0.721	0.479	0.0008	0.0346	0.0210
1330	0.059	0.613	0.615	-0.0053	0.0239	0.0321
1338	0.008	0.478	0.715	-0.0068	0.0232	0.0321
1339	-0.001	0.323	0.794	-0.0032	0.0062	0.0204
1340	0.023	0.235	0.812	-0.0018	0.0011	0.0004
1350	0.023	0.231	0.812	-0.0018	0.0009	0.0003
1360	0.023	0.208	0.816	-0.0018	0.0008	0.0003
1373	0.124	-0.066	-0.034	0.0122	0.0071	-0.0059
1376	0.104	-0.033	-0.069	0.0123	0.0072	-0.0058
1380	0.095	-0.017	-0.085	0.0123	0.0073	-0.0057
1390	0.080	0.005	-0.108	0.0122	0.0091	-0.0049
1392	0.068	0.022	-0.125	0.0122	0.0092	-0.0049
1396	0.015	0.091	-0.197	0.0121	0.0093	-0.0048
1400	0.002	0.108	-0.215	0.0121	0.0094	-0.0048
1410	-0.058	0.167	-0.287	0.0079	0.0108	-0.0029
1418	-0.088	0.185	-0.321	0.0052	0.0109	-0.0021
1419	-0.107	0.165	-0.337	-0.0175	0.0075	0.0003
1420	-0.104	0.122	-0.295	-0.0327	0.0044	0.0079
1425	0.000	-0.000	-0.000	-0.0218	0.0018	0.0152
1428	0.591	-0.353	-0.005	0.0084	-0.0055	0.0187
1429	0.604	-0.384	-0.022	0.0053	-0.0051	0.0042
1430	0.579	-0.387	-0.036	0.0041	-0.0051	-0.0100
1435	0.000	-0.000	-0.000	-0.0155	0.0023	0.0088
1438	-0.072	-0.070	0.004	-0.0179	-0.0002	0.0132
1439	-0.101	-0.099	-0.020	-0.0198	-0.0068	0.0117
1440	-0.109	-0.117	-0.070	-0.0186	-0.0125	0.0051
1448	-0.097	-0.126	-0.115	-0.0179	-0.0126	0.0042
1449	-0.091	-0.124	-0.135	-0.0108	-0.0143	0.0011
1450	-0.088	-0.112	-0.145	-0.0024	-0.0150	-0.0024
1455	0.000	0.161	0.000	0.0150	-0.0158	-0.0046
1458	0.010	0.188	0.036	0.0154	-0.0159	-0.0045
1459	0.029	0.218	0.046	0.0009	-0.0150	-0.0020
1460	0.056	0.206	0.017	-0.0230	-0.0126	-0.0005
1470	0.150	-0.254	-0.534	0.0394	0.0101	0.0125
1480	0.132	-0.179	-0.556	0.0465	0.0106	0.0130
1490	0.112	-0.087	-0.579	0.0542	0.0110	0.0136
1495	0.090	-0.067	-0.488	0.0602	0.0110	0.0141
1497	0.064	-0.045	-0.368	0.0751	0.0110	0.0153
1498	-0.555	1.357	-0.924	0.0562	0.0320	-0.0208
1499	-0.579	1.403	-0.947	0.0578	0.0272	-0.0223
1500	0.000	0.001	-0.000	0.1084	0.0110	0.0182
1504	0.091	0.012	-0.602	0.0541	0.0114	0.0132
1505	-0.577	1.402	-0.974	0.0574	0.0207	-0.0272
1506	0.070	0.108	-0.625	0.0538	0.0125	0.0122
1508	-0.103	0.014	-0.310	0.0880	-0.0512	-0.0375
1509	-0.077	-0.015	-0.226	0.0896	-0.0533	-0.0344
1510	-0.041	-0.016	-0.119	0.0921	-0.0542	-0.0320
1520	0.000	0.000	-0.000	0.0923	-0.0542	-0.0319

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.007	0.364	0.782	0.0004	0.0017	0.0013
2030	0.009	0.363	0.802	0.0005	0.0018	0.0015
2040	0.017	0.360	0.824	0.0024	0.0042	0.0066
2050	0.023	0.356	0.843	0.0025	0.0043	0.0068
2060	0.030	0.352	0.863	0.0026	0.0043	0.0070
2068	0.039	0.346	0.885	0.0047	0.0031	0.0121
2069	0.043	0.306	0.892	0.0276	-0.0098	0.0155
2070	0.077	0.256	0.833	0.0412	-0.0126	0.0294
2078	0.132	0.234	0.759	0.0413	-0.0176	0.0308
2079	0.184	0.184	0.663	0.0432	-0.0259	0.0308
2080	0.182	0.126	0.558	0.0465	-0.0469	0.0200
2090	0.037	-0.069	0.000	0.0292	-0.0404	0.0141
2100	-0.096	-0.189	-0.294	0.0134	-0.0144	0.0075
2108	-0.119	-0.203	-0.321	0.0134	-0.0144	0.0068
2109	-0.142	-0.197	-0.333	0.0156	-0.0096	-0.0034
2110	-0.137	-0.168	-0.304	0.0228	-0.0057	-0.0105
2120	-0.135	-0.167	-0.301	0.0228	-0.0056	-0.0106
2130	-0.119	-0.147	-0.266	0.0229	-0.0056	-0.0105
2140	-0.023	-0.031	-0.055	0.0226	-0.0053	-0.0100
2150	-0.008	-0.011	-0.020	0.0223	-0.0052	-0.0098
2160	-0.000	-0.000	-0.000	0.0176	-0.0046	-0.0076
2170	0.009	0.032	0.024	0.0045	-0.0029	-0.0024
2180	0.010	0.055	0.024	-0.0019	-0.0023	0.0006
2190	0.009	0.074	0.020	-0.0021	-0.0023	0.0007
2200	0.007	0.108	0.014	-0.0023	-0.0023	0.0009
2210	-0.002	0.116	0.060	-0.0023	-0.0023	0.0009
2220	-0.012	0.127	0.119	-0.0023	-0.0023	0.0009
2230	0.004	0.142	0.008	-0.0025	-0.0022	0.0010
2240	-0.111	-0.208	-0.272	0.0092	-0.0052	0.0044
2250	-0.108	-0.218	-0.252	0.0008	0.0129	-0.0026
2260	-0.093	-0.218	-0.237	0.0006	0.0134	-0.0028
2270	-0.014	-0.219	-0.167	-0.0001	0.0146	-0.0037
2280	0.003	-0.219	-0.151	-0.0002	0.0148	-0.0039
2290	0.025	-0.215	-0.137	-0.0081	0.0222	-0.0265
2300	0.050	-0.205	-0.122	-0.0082	0.0222	-0.0269
2310	0.091	-0.190	-0.099	-0.0083	0.0221	-0.0275
2320	0.065	-0.134	-0.055	-0.0083	0.0216	-0.0278
2330	0.028	0.023	0.026	0.0044	0.0000	-0.0080
2338	0.142	-0.075	-0.015	0.0037	0.0052	0.0005
2339	0.145	-0.055	-0.017	0.0044	0.0026	0.0314
2340	0.108	-0.028	-0.013	0.0058	0.0011	0.0493
2345	0.000	-0.001	0.000	0.0065	-0.0006	0.0430
2350	0.000	0.176	-0.000	-0.0181	-0.0120	-0.0375
2358	0.092	0.204	-0.049	-0.0225	-0.0138	-0.0419
2359	0.124	0.230	-0.074	-0.0165	-0.0120	-0.0294
2360	0.121	0.251	-0.088	-0.0092	-0.0013	-0.0060
2370	0.120	0.252	-0.088	-0.0090	-0.0012	-0.0057
2380	0.104	0.259	-0.089	-0.0088	-0.0011	-0.0056
2390	0.074	0.272	-0.092	-0.0085	-0.0006	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.072	0.309	-0.037	-0.0085	-0.0005	-0.0053
2410	0.067	0.406	0.108	-0.0085	-0.0004	-0.0053
2420	0.045	0.284	-0.092	-0.0083	-0.0002	-0.0051
2430	0.051	-0.102	-0.029	-0.0083	0.0211	-0.0279
2440	0.022	-0.053	-0.011	-0.0088	0.0075	-0.0299
2445	-0.000	-0.000	-0.000	-0.0089	0.0016	-0.0303
2449	-0.097	0.251	-0.108	-0.0122	-0.0170	-0.0228
2450	-0.084	0.239	-0.143	-0.0179	-0.0067	-0.0193
2451	-0.088	0.209	-0.064	-0.0095	-0.0139	-0.0297
2460	-0.083	0.236	-0.145	-0.0180	-0.0067	-0.0192
2470	-0.074	0.212	-0.162	-0.0180	-0.0066	-0.0192
2480	-0.037	0.110	-0.234	-0.0181	-0.0065	-0.0190
2490	-0.028	0.086	-0.250	-0.0182	-0.0065	-0.0190
2500	0.000	-0.000	-0.306	-0.0217	-0.0069	-0.0165
2510	0.061	-0.196	-0.407	-0.0252	-0.0080	-0.0120
2518	0.099	-0.310	-0.466	-0.0235	-0.0083	-0.0094
2519	0.120	-0.330	-0.499	-0.0057	-0.0064	-0.0069
2520	0.130	-0.305	-0.499	0.0145	-0.0039	0.0009
2530	0.000	0.063	-0.000	0.0072	-0.0057	0.0037
2538	-0.005	0.464	-0.277	-0.0149	-0.0077	-0.0014
2539	0.011	0.485	-0.300	-0.0159	-0.0077	-0.0052
2540	0.040	0.480	-0.298	-0.0159	-0.0084	-0.0091
2550	0.127	0.413	-0.241	-0.0165	-0.0085	-0.0099
2560	0.156	0.391	-0.221	-0.0166	-0.0084	-0.0100
2570	0.087	0.521	-0.120	-0.0159	-0.0087	-0.0093
2578	0.047	0.593	-0.062	-0.0152	-0.0086	-0.0089
2579	0.018	0.611	-0.014	-0.0072	-0.0048	-0.0069
2580	0.001	0.580	0.005	0.0053	-0.0022	-0.0014
2590	0.000	0.568	-0.000	0.0056	-0.0020	-0.0013
2600	-0.003	0.538	-0.019	0.0053	-0.0016	-0.0009
2610	-0.004	0.515	-0.029	0.0052	-0.0016	-0.0009
2620	-0.015	0.351	-0.086	0.0032	-0.0015	-0.0008
2630	-0.017	0.328	-0.091	0.0029	-0.0015	-0.0007
2640	-0.018	0.297	-0.088	-0.0026	-0.0011	0.0001
2648	0.177	0.348	-0.253	-0.0168	-0.0082	-0.0102
2649	0.209	0.285	-0.282	-0.0191	-0.0047	-0.0113
2650	0.249	0.228	-0.288	-0.0199	-0.0021	-0.0130
2658	0.284	0.191	-0.283	-0.0199	-0.0020	-0.0130
2659	0.305	0.140	-0.258	-0.0192	0.0001	-0.0119
2660	0.290	0.091	-0.206	-0.0180	0.0009	-0.0090
2690	-0.015	0.266	-0.073	-0.0063	-0.0013	0.0011
2700	-0.011	0.235	-0.049	-0.0100	-0.0016	0.0021
2710	-0.007	0.216	-0.033	-0.0101	-0.0016	0.0022
3120	0.009	0.295	-0.090	-0.0048	0.0007	-0.0019
3130	0.028	0.290	-0.092	-0.0081	-0.0001	-0.0049
3190	0.002	0.161	0.004	-0.0027	-0.0022	0.0011
3200	-0.000	0.177	-0.000	-0.0066	-0.0019	0.0018
3210	-0.003	0.193	-0.015	-0.0100	-0.0016	0.0022
3220	-0.007	0.213	-0.031	-0.0101	-0.0016	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.007	0.364	0.782	0.0004	0.0017	0.0013
4030	0.009	0.363	0.802	0.0005	0.0018	0.0015
4040	0.017	0.361	0.824	0.0024	0.0043	0.0066
4050	0.024	0.357	0.843	0.0025	0.0043	0.0068
4060	0.031	0.353	0.863	0.0026	0.0043	0.0070
4068	0.039	0.347	0.885	0.0047	0.0032	0.0121
4069	0.044	0.306	0.892	0.0277	-0.0096	0.0155
4070	0.078	0.256	0.832	0.0417	-0.0125	0.0294
4078	0.133	0.234	0.758	0.0418	-0.0174	0.0307
4079	0.185	0.185	0.661	0.0438	-0.0258	0.0305
4080	0.183	0.127	0.556	0.0471	-0.0467	0.0196
4090	0.038	-0.065	0.000	0.0299	-0.0400	0.0140
4100	-0.095	-0.187	-0.292	0.0141	-0.0148	0.0079
4108	-0.118	-0.202	-0.320	0.0145	-0.0153	0.0073
4109	-0.142	-0.197	-0.338	0.0160	-0.0145	-0.0030
4110	-0.137	-0.168	-0.312	0.0234	-0.0117	-0.0105
4120	-0.136	-0.167	-0.309	0.0234	-0.0117	-0.0106
4130	-0.119	-0.147	-0.273	0.0235	-0.0116	-0.0105
4140	-0.023	-0.031	-0.056	0.0232	-0.0115	-0.0100
4150	-0.008	-0.011	-0.020	0.0229	-0.0115	-0.0098
4160	-0.000	-0.000	-0.000	0.0181	-0.0113	-0.0076
4170	0.009	0.032	0.025	0.0046	-0.0107	-0.0024
4180	0.010	0.055	0.025	-0.0020	-0.0113	0.0006
4190	0.009	0.074	0.021	-0.0022	-0.0113	0.0007
4200	0.007	0.108	0.015	-0.0024	-0.0114	0.0009
4210	-0.035	0.116	0.061	-0.0024	-0.0114	0.0009
4220	-0.088	0.128	0.120	-0.0024	-0.0114	0.0009
4230	0.004	0.141	0.009	-0.0026	-0.0114	0.0010
4240	-0.111	-0.207	-0.270	0.0095	-0.0055	0.0049
4250	-0.108	-0.216	-0.250	0.0001	0.0130	-0.0020
4260	-0.093	-0.216	-0.235	-0.0001	0.0134	-0.0022
4270	-0.014	-0.213	-0.165	-0.0009	0.0147	-0.0030
4280	0.004	-0.212	-0.150	-0.0010	0.0148	-0.0032
4290	0.025	-0.206	-0.135	-0.0085	0.0220	-0.0254
4300	0.050	-0.197	-0.121	-0.0086	0.0221	-0.0257
4310	0.091	-0.181	-0.097	-0.0086	0.0219	-0.0264
4320	0.065	-0.127	-0.053	-0.0086	0.0214	-0.0266
4330	0.028	0.023	0.037	0.0041	-0.0055	-0.0080
4338	0.142	-0.075	0.004	0.0007	0.0071	0.0005
4339	0.145	-0.055	-0.002	0.0008	0.0058	0.0314
4340	0.108	-0.028	-0.003	0.0014	0.0047	0.0493
4345	0.000	-0.000	0.000	0.0022	0.0032	0.0430
4350	0.000	0.176	-0.000	-0.0108	-0.0070	-0.0376
4358	0.092	0.204	-0.030	-0.0138	-0.0086	-0.0419
4359	0.124	0.230	-0.046	-0.0108	-0.0079	-0.0295
4360	0.121	0.252	-0.055	-0.0066	-0.0022	-0.0059
4370	0.120	0.252	-0.056	-0.0064	-0.0021	-0.0057
4380	0.104	0.259	-0.058	-0.0064	-0.0020	-0.0055
4390	0.074	0.272	-0.063	-0.0062	-0.0018	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.067	0.299	-0.008	-0.0062	-0.0017	-0.0053
4410	0.048	0.369	0.137	-0.0062	-0.0016	-0.0053
4420	0.045	0.284	-0.067	-0.0060	-0.0017	-0.0050
4430	0.050	-0.096	-0.028	-0.0086	0.0209	-0.0267
4440	0.022	-0.050	-0.010	-0.0086	0.0071	-0.0283
4445	-0.000	-0.000	-0.000	-0.0086	0.0011	-0.0285
4449	-0.097	0.231	-0.112	-0.0115	-0.0175	-0.0196
4450	-0.083	0.219	-0.148	-0.0165	-0.0068	-0.0160
4451	-0.088	0.195	-0.067	-0.0087	-0.0144	-0.0273
4460	-0.082	0.217	-0.150	-0.0165	-0.0067	-0.0160
4470	-0.073	0.195	-0.167	-0.0165	-0.0067	-0.0159
4480	-0.036	0.101	-0.239	-0.0166	-0.0065	-0.0157
4490	-0.027	0.079	-0.256	-0.0167	-0.0065	-0.0157
4500	0.000	-0.000	-0.311	-0.0198	-0.0063	-0.0129
4510	0.053	-0.177	-0.412	-0.0225	-0.0069	-0.0077
4518	0.085	-0.278	-0.470	-0.0206	-0.0076	-0.0048
4519	0.104	-0.292	-0.501	-0.0025	-0.0084	-0.0031
4520	0.110	-0.265	-0.496	0.0172	-0.0070	0.0038
4530	0.000	0.103	-0.000	0.0018	-0.0166	-0.0041
4538	0.457	0.502	-0.593	-0.0255	-0.0272	-0.0168
4539	0.497	0.513	-0.615	-0.0212	-0.0298	-0.0141
4540	0.532	0.499	-0.569	-0.0183	-0.0365	-0.0114
4550	0.622	0.421	-0.312	-0.0167	-0.0389	-0.0109
4560	0.650	0.397	-0.223	-0.0161	-0.0398	-0.0108
4570	0.326	0.523	-0.121	-0.0153	-0.0402	-0.0122
4578	0.143	0.592	-0.063	-0.0147	-0.0391	-0.0131
4579	0.040	0.610	-0.015	-0.0075	-0.0245	-0.0085
4580	0.001	0.579	0.005	0.0054	-0.0187	-0.0013
4590	0.000	0.568	-0.000	0.0058	-0.0180	-0.0012
4600	-0.003	0.537	-0.020	0.0055	-0.0161	-0.0009
4610	-0.004	0.515	-0.030	0.0054	-0.0161	-0.0009
4620	-0.015	0.350	-0.090	0.0034	-0.0155	-0.0007
4630	-0.016	0.328	-0.095	0.0031	-0.0154	-0.0007
4640	-0.018	0.297	-0.093	-0.0026	-0.0135	0.0001
4648	0.750	0.356	-0.255	-0.0162	-0.0393	-0.0103
4649	0.860	0.300	-0.254	-0.0154	-0.0267	-0.0089
4650	0.921	0.264	-0.215	-0.0137	-0.0128	-0.0036
4658	0.956	0.255	-0.182	-0.0138	-0.0121	-0.0031
4659	0.994	0.240	-0.146	-0.0115	-0.0048	0.0035
4660	1.025	0.210	-0.111	-0.0117	-0.0035	0.0067
4690	-0.015	0.265	-0.077	-0.0066	-0.0132	0.0011
4700	-0.010	0.235	-0.052	-0.0105	-0.0127	0.0021
4710	-0.007	0.215	-0.035	-0.0106	-0.0126	0.0021
5120	0.009	0.295	-0.074	-0.0040	-0.0069	-0.0019
5130	0.029	0.290	-0.069	-0.0059	-0.0018	-0.0049
5190	0.002	0.161	0.005	-0.0028	-0.0115	0.0011
5200	-0.000	0.177	-0.000	-0.0070	-0.0120	0.0017
5210	-0.003	0.193	-0.016	-0.0105	-0.0126	0.0021
5220	-0.007	0.212	-0.032	-0.0106	-0.0126	0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.007	0.364	0.782	0.0004	0.0017	0.0013
6030	0.009	0.363	0.802	0.0005	0.0018	0.0015
6040	0.017	0.360	0.824	0.0024	0.0042	0.0066
6050	0.023	0.357	0.843	0.0025	0.0043	0.0068
6060	0.030	0.353	0.863	0.0026	0.0043	0.0070
6068	0.039	0.346	0.885	0.0047	0.0031	0.0120
6069	0.043	0.306	0.892	0.0276	-0.0098	0.0154
6070	0.077	0.256	0.833	0.0413	-0.0127	0.0294
6078	0.132	0.234	0.759	0.0414	-0.0177	0.0307
6079	0.184	0.185	0.662	0.0432	-0.0259	0.0306
6080	0.182	0.127	0.558	0.0465	-0.0469	0.0199
6090	0.036	-0.068	0.000	0.0291	-0.0402	0.0141
6100	-0.096	-0.189	-0.291	0.0131	-0.0141	0.0076
6108	-0.119	-0.203	-0.318	0.0132	-0.0141	0.0070
6109	-0.143	-0.197	-0.330	0.0154	-0.0091	-0.0033
6110	-0.138	-0.168	-0.301	0.0225	-0.0051	-0.0106
6120	-0.136	-0.167	-0.298	0.0226	-0.0050	-0.0106
6130	-0.120	-0.147	-0.263	0.0226	-0.0050	-0.0106
6140	-0.024	-0.031	-0.054	0.0223	-0.0047	-0.0100
6150	-0.008	-0.011	-0.019	0.0220	-0.0046	-0.0099
6160	-0.000	-0.000	-0.000	0.0174	-0.0040	-0.0076
6170	0.009	0.032	0.024	0.0044	-0.0022	-0.0024
6180	0.010	0.055	0.023	-0.0019	-0.0015	0.0006
6190	0.009	0.074	0.020	-0.0021	-0.0015	0.0007
6200	0.007	0.108	0.014	-0.0023	-0.0015	0.0009
6210	0.001	0.116	0.060	-0.0023	-0.0015	0.0009
6220	-0.006	0.127	0.119	-0.0023	-0.0015	0.0009
6230	0.004	0.142	0.008	-0.0025	-0.0014	0.0010
6240	-0.111	-0.207	-0.269	0.0090	-0.0050	0.0046
6250	-0.108	-0.216	-0.249	0.0006	0.0130	-0.0024
6260	-0.092	-0.217	-0.234	0.0004	0.0134	-0.0026
6270	-0.014	-0.217	-0.164	-0.0003	0.0147	-0.0035
6280	0.004	-0.216	-0.149	-0.0004	0.0148	-0.0037
6290	0.025	-0.212	-0.134	-0.0082	0.0219	-0.0261
6300	0.050	-0.202	-0.120	-0.0083	0.0220	-0.0265
6310	0.091	-0.187	-0.097	-0.0084	0.0218	-0.0271
6320	0.065	-0.132	-0.053	-0.0084	0.0213	-0.0274
6330	0.028	0.023	0.025	0.0044	0.0005	-0.0081
6338	0.142	-0.075	-0.017	0.0039	0.0050	0.0005
6339	0.145	-0.055	-0.018	0.0048	0.0023	0.0314
6340	0.108	-0.028	-0.014	0.0062	0.0008	0.0493
6345	0.000	-0.001	0.000	0.0069	-0.0010	0.0430
6350	0.000	0.176	-0.000	-0.0187	-0.0125	-0.0375
6358	0.092	0.203	-0.051	-0.0233	-0.0143	-0.0418
6359	0.123	0.229	-0.077	-0.0170	-0.0124	-0.0295
6360	0.121	0.251	-0.091	-0.0095	-0.0013	-0.0060
6370	0.120	0.252	-0.091	-0.0092	-0.0011	-0.0058
6380	0.104	0.259	-0.092	-0.0090	-0.0010	-0.0056
6390	0.074	0.272	-0.094	-0.0088	-0.0005	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.072	0.310	-0.040	-0.0088	-0.0004	-0.0053
6410	0.068	0.410	0.105	-0.0088	-0.0003	-0.0053
6420	0.045	0.284	-0.095	-0.0085	-0.0000	-0.0051
6430	0.050	-0.100	-0.028	-0.0084	0.0208	-0.0275
6440	0.022	-0.052	-0.010	-0.0088	0.0070	-0.0295
6445	-0.000	-0.000	-0.000	-0.0089	0.0010	-0.0298
6449	-0.097	0.247	-0.114	-0.0122	-0.0174	-0.0226
6450	-0.083	0.235	-0.150	-0.0177	-0.0067	-0.0192
6451	-0.088	0.206	-0.069	-0.0095	-0.0147	-0.0292
6460	-0.082	0.233	-0.152	-0.0177	-0.0066	-0.0191
6470	-0.073	0.209	-0.168	-0.0177	-0.0066	-0.0191
6480	-0.037	0.108	-0.240	-0.0178	-0.0065	-0.0189
6490	-0.028	0.085	-0.257	-0.0179	-0.0065	-0.0189
6500	0.000	-0.000	-0.312	-0.0214	-0.0070	-0.0165
6510	0.063	-0.193	-0.414	-0.0247	-0.0083	-0.0120
6518	0.102	-0.304	-0.472	-0.0230	-0.0086	-0.0095
6519	0.123	-0.323	-0.505	-0.0054	-0.0066	-0.0071
6520	0.134	-0.298	-0.505	0.0147	-0.0041	0.0007
6530	0.000	0.070	-0.000	0.0076	-0.0054	0.0044
6538	-0.036	0.471	-0.256	-0.0144	-0.0069	-0.0007
6539	-0.021	0.491	-0.280	-0.0160	-0.0066	-0.0058
6540	0.009	0.485	-0.281	-0.0164	-0.0067	-0.0107
6550	0.096	0.407	-0.235	-0.0173	-0.0067	-0.0113
6560	0.125	0.381	-0.220	-0.0175	-0.0065	-0.0111
6570	0.072	0.519	-0.119	-0.0166	-0.0067	-0.0100
6578	0.042	0.593	-0.061	-0.0158	-0.0066	-0.0094
6579	0.017	0.612	-0.013	-0.0069	-0.0033	-0.0075
6580	0.001	0.580	0.005	0.0054	-0.0008	-0.0015
6590	0.000	0.568	-0.000	0.0057	-0.0007	-0.0014
6600	-0.003	0.538	-0.020	0.0053	-0.0004	-0.0009
6610	-0.004	0.515	-0.029	0.0052	-0.0004	-0.0009
6620	-0.016	0.351	-0.086	0.0032	-0.0003	-0.0008
6630	-0.017	0.328	-0.091	0.0029	-0.0003	-0.0007
6640	-0.018	0.297	-0.088	-0.0026	-0.0000	0.0001
6648	0.141	0.337	-0.252	-0.0178	-0.0064	-0.0113
6649	0.172	0.269	-0.281	-0.0206	-0.0053	-0.0126
6650	0.213	0.206	-0.282	-0.0214	-0.0047	-0.0141
6658	0.248	0.166	-0.269	-0.0215	-0.0046	-0.0140
6659	0.269	0.114	-0.236	-0.0204	-0.0019	-0.0113
6660	0.260	0.066	-0.181	-0.0176	-0.0003	-0.0058
6690	-0.015	0.266	-0.073	-0.0063	-0.0002	0.0011
6700	-0.011	0.235	-0.049	-0.0100	-0.0006	0.0021
6710	-0.007	0.216	-0.033	-0.0100	-0.0006	0.0022
7120	0.009	0.295	-0.092	-0.0049	0.0013	-0.0019
7130	0.028	0.290	-0.095	-0.0083	0.0001	-0.0049
7190	0.002	0.161	0.004	-0.0026	-0.0014	0.0011
7200	-0.000	0.177	-0.000	-0.0066	-0.0010	0.0018
7210	-0.003	0.193	-0.015	-0.0100	-0.0006	0.0022
7220	-0.007	0.213	-0.031	-0.0100	-0.0006	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	0.0001	0.0005	0.0003
7560	0.004	0.364	0.763	0.0003	0.0015	0.0011
7570	0.007	0.364	0.782	0.0004	0.0017	0.0013
8020	0.007	0.364	0.782	0.0004	0.0017	0.0013
8030	0.009	0.363	0.802	0.0005	0.0018	0.0015
8040	0.017	0.360	0.824	0.0024	0.0042	0.0066
8050	0.024	0.357	0.843	0.0025	0.0043	0.0068
8060	0.030	0.353	0.863	0.0025	0.0043	0.0071
8068	0.039	0.347	0.885	0.0045	0.0031	0.0122
8069	0.044	0.309	0.893	0.0255	-0.0098	0.0157
8070	0.078	0.260	0.840	0.0377	-0.0126	0.0299
8078	0.134	0.238	0.772	0.0377	-0.0175	0.0313
8079	0.187	0.188	0.683	0.0397	-0.0260	0.0315
8080	0.186	0.129	0.580	0.0434	-0.0479	0.0207
8090	0.041	-0.072	0.000	0.0267	-0.0437	0.0141
8100	-0.092	-0.190	-0.333	0.0113	-0.0166	0.0073
8108	-0.115	-0.203	-0.363	0.0117	-0.0159	0.0067
8109	-0.139	-0.197	-0.373	0.0161	-0.0051	-0.0033
8110	-0.133	-0.168	-0.336	0.0252	0.0006	-0.0103
8120	-0.132	-0.167	-0.332	0.0253	0.0007	-0.0103
8130	-0.116	-0.147	-0.293	0.0253	0.0008	-0.0103
8140	-0.023	-0.031	-0.060	0.0249	0.0013	-0.0097
8150	-0.008	-0.011	-0.021	0.0245	0.0013	-0.0096
8160	-0.000	-0.000	-0.000	0.0194	0.0022	-0.0073
8170	0.008	0.033	0.027	0.0050	0.0048	-0.0023
8180	0.009	0.055	0.026	-0.0021	0.0064	0.0006
8190	0.008	0.075	0.023	-0.0024	0.0065	0.0007
8200	0.006	0.108	0.016	-0.0026	0.0066	0.0009
8210	0.030	0.118	0.062	-0.0026	0.0066	0.0009
8220	0.061	0.130	0.121	-0.0026	0.0066	0.0009
8230	0.004	0.142	0.009	-0.0028	0.0067	0.0010
8240	-0.111	-0.205	-0.311	0.0070	-0.0071	0.0046
8250	-0.110	-0.211	-0.291	-0.0017	0.0119	-0.0017
8260	-0.096	-0.208	-0.276	-0.0019	0.0123	-0.0018
8270	-0.023	-0.196	-0.206	-0.0026	0.0138	-0.0026
8280	-0.006	-0.193	-0.191	-0.0026	0.0139	-0.0028
8290	0.016	-0.186	-0.176	-0.0080	0.0260	-0.0228
8300	0.046	-0.177	-0.162	-0.0080	0.0262	-0.0232
8310	0.094	-0.163	-0.139	-0.0080	0.0261	-0.0237
8320	0.068	-0.114	-0.086	-0.0080	0.0258	-0.0240
8330	0.027	0.023	0.019	0.0053	0.0056	-0.0080
8338	0.142	-0.075	-0.033	0.0068	0.0037	0.0004

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.145	-0.056	-0.032	0.0082	-0.0002	0.0312
8340	0.108	-0.028	-0.023	0.0103	-0.0020	0.0492
8345	0.000	-0.001	0.000	0.0107	-0.0040	0.0429
8350	0.000	0.175	-0.000	-0.0252	-0.0170	-0.0380
8358	0.093	0.202	-0.067	-0.0310	-0.0190	-0.0425
8359	0.125	0.228	-0.102	-0.0221	-0.0161	-0.0299
8360	0.123	0.251	-0.120	-0.0119	-0.0008	-0.0061
8370	0.122	0.251	-0.120	-0.0115	-0.0006	-0.0059
8380	0.106	0.258	-0.121	-0.0113	-0.0004	-0.0057
8390	0.076	0.272	-0.121	-0.0109	0.0003	-0.0055
8400	0.078	0.319	-0.066	-0.0109	0.0004	-0.0055
8410	0.083	0.444	0.078	-0.0109	0.0004	-0.0055
8420	0.047	0.284	-0.120	-0.0106	0.0010	-0.0052
8430	0.054	-0.086	-0.056	-0.0079	0.0255	-0.0241
8440	0.022	-0.045	-0.025	-0.0073	0.0156	-0.0253
8445	-0.000	-0.000	-0.000	-0.0071	0.0111	-0.0254
8449	-0.064	0.127	0.002	-0.0079	-0.0080	-0.0213
8450	-0.060	0.127	-0.029	-0.0096	-0.0046	-0.0198
8451	-0.045	0.089	0.020	-0.0068	0.0041	-0.0250
8460	-0.059	0.125	-0.030	-0.0096	-0.0046	-0.0197
8470	-0.053	0.113	-0.047	-0.0096	-0.0046	-0.0197
8480	-0.028	0.058	-0.119	-0.0096	-0.0046	-0.0196
8490	-0.022	0.046	-0.136	-0.0096	-0.0046	-0.0196
8500	0.000	-0.000	-0.191	-0.0115	-0.0058	-0.0180
8510	0.056	-0.104	-0.293	-0.0133	-0.0073	-0.0151
8518	0.089	-0.164	-0.351	-0.0122	-0.0069	-0.0134
8519	0.107	-0.168	-0.379	-0.0018	-0.0013	-0.0103
8520	0.119	-0.143	-0.381	0.0105	0.0023	-0.0026
8530	0.000	0.225	-0.000	0.0078	0.0119	0.0104
8538	-0.494	0.629	0.024	0.0015	0.0224	0.0179
8539	-0.516	0.665	0.012	0.0046	0.0224	0.0139
8540	-0.503	0.696	-0.029	0.0045	0.0257	0.0084
8550	-0.460	0.724	-0.121	0.0056	0.0268	0.0074
8560	-0.432	0.740	-0.183	0.0063	0.0276	0.0068
8570	-0.210	0.687	-0.081	0.0069	0.0271	0.0070
8578	-0.088	0.655	-0.023	0.0069	0.0263	0.0071
8579	-0.020	0.622	0.006	0.0056	0.0168	0.0038
8580	0.001	0.580	0.005	0.0063	0.0133	-0.0006
8590	-0.000	0.569	-0.000	0.0063	0.0130	-0.0007
8600	-0.002	0.538	-0.020	0.0054	0.0120	-0.0008
8610	-0.003	0.516	-0.030	0.0052	0.0120	-0.0008
8620	-0.013	0.351	-0.086	0.0031	0.0117	-0.0007
8630	-0.015	0.329	-0.091	0.0028	0.0116	-0.0007
8640	-0.016	0.298	-0.088	-0.0027	0.0107	0.0000
8648	-0.501	0.756	-0.214	0.0061	0.0276	0.0065
8649	-0.560	0.773	-0.279	0.0010	0.0228	0.0039
8650	-0.548	0.774	-0.345	-0.0021	0.0141	-0.0024
8658	-0.514	0.767	-0.383	-0.0025	0.0135	-0.0029
8659	-0.489	0.733	-0.405	-0.0063	0.0054	-0.0108

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.513	0.682	-0.383	-0.0120	0.0023	-0.0153
8690	-0.014	0.266	-0.073	-0.0063	0.0101	0.0009
8700	-0.010	0.236	-0.049	-0.0099	0.0090	0.0019
8710	-0.006	0.216	-0.033	-0.0100	0.0089	0.0019
9120	0.011	0.295	-0.109	-0.0058	0.0077	-0.0020
9130	0.031	0.291	-0.118	-0.0103	0.0014	-0.0050
9190	0.002	0.161	0.005	-0.0029	0.0068	0.0010
9200	-0.000	0.177	-0.000	-0.0067	0.0078	0.0016
9210	-0.003	0.194	-0.015	-0.0099	0.0089	0.0019
9220	-0.006	0.213	-0.030	-0.0100	0.0089	0.0019
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	0.0001	0.0004	0.0003
9560	0.004	0.364	0.763	0.0004	0.0015	0.0011
9570	0.007	0.364	0.782	0.0004	0.0017	0.0013
10020	0.007	0.364	0.782	0.0004	0.0017	0.0013
10030	0.009	0.363	0.802	0.0004	0.0018	0.0015
10040	0.017	0.361	0.824	0.0022	0.0042	0.0065
10050	0.023	0.358	0.843	0.0023	0.0043	0.0068
10060	0.030	0.354	0.863	0.0024	0.0043	0.0070
10068	0.039	0.348	0.885	0.0045	0.0030	0.0120
10069	0.042	0.308	0.892	0.0283	-0.0107	0.0151
10070	0.074	0.257	0.831	0.0424	-0.0139	0.0286
10078	0.127	0.235	0.755	0.0425	-0.0190	0.0299
10079	0.177	0.186	0.656	0.0430	-0.0270	0.0293
10080	0.174	0.131	0.551	0.0455	-0.0471	0.0184
10090	0.029	-0.051	0.000	0.0258	-0.0379	0.0139
10100	-0.104	-0.182	-0.254	0.0078	-0.0110	0.0097
10108	-0.127	-0.200	-0.275	0.0079	-0.0112	0.0090
10109	-0.151	-0.197	-0.287	0.0104	-0.0061	-0.0026
10110	-0.146	-0.168	-0.263	0.0195	-0.0014	-0.0112
10120	-0.144	-0.167	-0.260	0.0196	-0.0013	-0.0112
10130	-0.127	-0.147	-0.230	0.0197	-0.0012	-0.0112
10140	-0.025	-0.031	-0.048	0.0196	-0.0009	-0.0106
10150	-0.009	-0.011	-0.017	0.0193	-0.0008	-0.0105
10160	-0.000	-0.000	-0.000	0.0153	-0.0001	-0.0080
10170	0.009	0.033	0.021	0.0039	0.0019	-0.0025
10180	0.010	0.055	0.021	-0.0017	0.0030	0.0007
10190	0.009	0.075	0.018	-0.0018	0.0030	0.0008
10200	0.007	0.108	0.012	-0.0020	0.0031	0.0010
10210	0.018	0.116	0.059	-0.0020	0.0031	0.0010
10220	0.033	0.125	0.118	-0.0020	0.0031	0.0010
10230	0.004	0.142	0.007	-0.0022	0.0032	0.0011
10240	-0.114	-0.191	-0.232	0.0031	-0.0025	0.0077

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.107	-0.190	-0.212	-0.0063	0.0142	0.0031
10260	-0.090	-0.182	-0.197	-0.0066	0.0146	0.0029
10270	-0.005	-0.143	-0.127	-0.0073	0.0157	0.0024
10280	0.014	-0.135	-0.112	-0.0073	0.0158	0.0022
10290	0.034	-0.123	-0.097	-0.0124	0.0182	-0.0125
10300	0.055	-0.109	-0.082	-0.0125	0.0181	-0.0128
10310	0.088	-0.086	-0.059	-0.0124	0.0178	-0.0132
10320	0.062	-0.059	-0.023	-0.0123	0.0172	-0.0134
10330	0.028	0.023	0.017	0.0041	0.0033	-0.0081
10338	0.143	-0.075	-0.027	0.0053	0.0037	0.0005
10339	0.146	-0.056	-0.026	0.0065	0.0002	0.0314
10340	0.109	-0.028	-0.019	0.0085	-0.0015	0.0495
10345	0.000	-0.001	0.000	0.0091	-0.0033	0.0432
10350	0.000	0.175	-0.000	-0.0225	-0.0155	-0.0386
10358	0.095	0.203	-0.060	-0.0277	-0.0173	-0.0432
10359	0.128	0.229	-0.092	-0.0201	-0.0148	-0.0304
10360	0.125	0.251	-0.108	-0.0110	-0.0013	-0.0061
10370	0.124	0.252	-0.108	-0.0107	-0.0011	-0.0059
10380	0.108	0.259	-0.110	-0.0105	-0.0010	-0.0057
10390	0.079	0.272	-0.111	-0.0102	-0.0004	-0.0054
10400	0.077	0.316	-0.057	-0.0102	-0.0003	-0.0054
10410	0.075	0.432	0.088	-0.0102	-0.0002	-0.0054
10420	0.049	0.285	-0.111	-0.0098	0.0002	-0.0052
10430	0.047	-0.044	-0.003	-0.0123	0.0166	-0.0134
10440	0.022	-0.024	0.004	-0.0113	-0.0006	-0.0136
10445	-0.000	-0.001	-0.000	-0.0110	-0.0080	-0.0133
10449	-0.113	0.119	-0.281	-0.0101	-0.0258	-0.0091
10450	-0.091	0.108	-0.321	-0.0087	-0.0075	-0.0090
10451	-0.113	0.108	-0.212	-0.0098	-0.0306	-0.0114
10460	-0.091	0.107	-0.323	-0.0086	-0.0074	-0.0090
10470	-0.081	0.096	-0.340	-0.0086	-0.0073	-0.0089
10480	-0.040	0.047	-0.412	-0.0086	-0.0072	-0.0089
10490	-0.030	0.035	-0.428	-0.0086	-0.0072	-0.0089
10500	0.000	-0.000	-0.484	-0.0075	-0.0074	-0.0081
10510	0.065	-0.050	-0.585	-0.0045	-0.0081	-0.0066
10518	0.101	-0.065	-0.643	-0.0019	-0.0074	-0.0058
10519	0.114	-0.046	-0.661	0.0127	-0.0021	-0.0034
10520	0.116	-0.009	-0.633	0.0264	0.0006	0.0016
10525	0.000	0.311	-0.000	0.0147	0.0093	0.0070
10530	-0.029	0.363	0.044	0.0084	0.0107	0.0076
10538	-0.473	0.768	0.097	0.0066	0.0220	0.0204
10539	-0.507	0.812	0.106	0.0195	0.0188	0.0260
10540	-0.505	0.875	0.089	0.0229	0.0184	0.0287
10550	-0.395	1.126	-0.083	0.0320	0.0204	0.0265
10560	-0.367	1.185	-0.130	0.0343	0.0210	0.0252
10570	-0.197	0.900	-0.028	0.0357	0.0210	0.0217
10578	-0.102	0.737	0.030	0.0352	0.0206	0.0198
10579	-0.033	0.638	0.033	0.0226	0.0125	0.0146
10580	-0.000	0.581	0.007	0.0078	0.0068	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.570	-0.000	0.0076	0.0067	0.0002
10600	-0.001	0.539	-0.022	0.0057	0.0063	-0.0006
10610	-0.002	0.517	-0.032	0.0055	0.0063	-0.0006
10620	-0.011	0.352	-0.090	0.0032	0.0061	-0.0007
10630	-0.012	0.330	-0.095	0.0029	0.0061	-0.0007
10640	-0.013	0.298	-0.092	-0.0029	0.0057	-0.0001
10648	-0.420	1.271	-0.162	0.0338	0.0210	0.0256
10649	-0.460	1.376	-0.219	0.0207	0.0175	0.0214
10650	-0.444	1.446	-0.275	0.0148	0.0124	0.0137
10658	-0.410	1.484	-0.309	0.0128	0.0122	0.0131
10659	-0.371	1.487	-0.345	0.0059	0.0038	-0.0035
10660	-0.395	1.440	-0.337	-0.0128	-0.0026	-0.0230
10690	-0.012	0.267	-0.076	-0.0067	0.0054	0.0007
10700	-0.008	0.236	-0.051	-0.0103	0.0047	0.0016
10710	-0.006	0.217	-0.034	-0.0104	0.0046	0.0017
11120	0.014	0.296	-0.105	-0.0056	0.0046	-0.0021
11130	0.033	0.291	-0.111	-0.0096	0.0005	-0.0050
11190	0.002	0.162	0.004	-0.0024	0.0032	0.0011
11200	-0.000	0.178	-0.000	-0.0066	0.0039	0.0015
11210	-0.003	0.194	-0.015	-0.0103	0.0046	0.0017
11220	-0.005	0.214	-0.032	-0.0104	0.0046	0.0017
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	0.0001	0.0005	0.0003
11560	0.004	0.364	0.763	0.0003	0.0015	0.0011
11570	0.007	0.364	0.782	0.0004	0.0017	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	0.0001	0.0004	0.0003
13560	0.004	0.364	0.763	0.0003	0.0015	0.0011
13570	0.007	0.364	0.782	0.0004	0.0017	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	0.0001	0.0005	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 9 (OPE) W+T3+P1+WIN1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.364	0.763	0.0004	0.0015	0.0011
15570	0.007	0.364	0.782	0.0004	0.0017	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	0.0001	0.0005	0.0003
17560	0.004	0.364	0.763	0.0003	0.0015	0.0011
17570	0.007	0.364	0.782	0.0004	0.0017	0.0013
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.000	-0.001	0.172	0.0001	0.0000	-0.0001
18020	0.002	-0.003	0.451	0.0001	0.0001	-0.0002
18022	0.070	-0.004	0.450	0.0001	0.0002	-0.0002
18025	0.070	-0.004	0.450	0.0001	0.0002	-0.0002
18027	0.093	-0.005	0.449	0.0003	0.0008	-0.0008
18030	0.116	-0.006	0.447	0.0003	0.0008	-0.0008
18040	0.005	-0.005	0.726	0.0001	0.0001	-0.0002
18042	0.005	-0.005	0.726	0.0001	0.0001	-0.0002
18045	0.005	-0.005	0.748	0.0002	0.0001	-0.0004
18050	0.005	-0.006	0.771	0.0002	0.0001	-0.0004
19000	0.000	0.000	-0.000	-0.0000	0.0000	0.0000
19500	0.026	0.092	0.837	-0.0017	0.0006	0.0002
19550	0.024	0.181	0.821	-0.0017	0.0006	0.0002
19560	0.024	0.181	0.821	-0.0017	0.0006	0.0002
19580	0.024	0.190	0.819	-0.0018	0.0008	0.0003
19600	0.023	0.208	0.816	-0.0018	0.0008	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.005	0.364	0.782	0.0004	0.0014	0.0012
30	0.008	0.363	0.802	0.0005	0.0015	0.0015
40	0.014	0.361	0.824	0.0023	0.0035	0.0064
50	0.020	0.357	0.843	0.0024	0.0035	0.0066
60	0.025	0.353	0.863	0.0025	0.0035	0.0068
68	0.032	0.347	0.885	0.0046	0.0022	0.0117
69	0.035	0.308	0.892	0.0272	-0.0108	0.0148
70	0.066	0.258	0.834	0.0409	-0.0137	0.0285
78	0.119	0.236	0.761	0.0410	-0.0185	0.0298
79	0.169	0.187	0.664	0.0429	-0.0266	0.0299
80	0.167	0.130	0.559	0.0461	-0.0471	0.0195
90	0.022	-0.062	0.000	0.0290	-0.0404	0.0141
95	-0.062	-0.148	-0.218	0.0192	-0.0242	0.0110
100	-0.111	-0.187	-0.294	0.0134	-0.0147	0.0082
108	-0.134	-0.202	-0.322	0.0139	-0.0151	0.0076
109	-0.158	-0.197	-0.340	0.0156	-0.0138	-0.0032
110	-0.152	-0.168	-0.314	0.0235	-0.0108	-0.0116
120	-0.150	-0.167	-0.311	0.0235	-0.0108	-0.0116
130	-0.132	-0.147	-0.274	0.0236	-0.0108	-0.0116
140	-0.026	-0.031	-0.056	0.0233	-0.0107	-0.0111
150	-0.009	-0.011	-0.020	0.0230	-0.0106	-0.0109
160	-0.000	-0.000	-0.000	0.0182	-0.0104	-0.0084
170	0.010	0.032	0.025	0.0047	-0.0097	-0.0026
180	0.011	0.055	0.025	-0.0020	-0.0103	0.0007
190	0.010	0.074	0.021	-0.0022	-0.0103	0.0008
200	0.007	0.108	0.015	-0.0024	-0.0103	0.0010
210	-0.031	0.117	0.061	-0.0024	-0.0103	0.0010
220	-0.079	0.128	0.120	-0.0024	-0.0103	0.0010
230	0.004	0.141	0.009	-0.0026	-0.0104	0.0011
240	-0.126	-0.205	-0.273	0.0088	-0.0050	0.0054
250	-0.122	-0.213	-0.253	-0.0007	0.0143	-0.0013
260	-0.105	-0.212	-0.238	-0.0009	0.0147	-0.0015
270	-0.019	-0.205	-0.167	-0.0017	0.0161	-0.0023
280	0.000	-0.203	-0.152	-0.0017	0.0162	-0.0025
290	0.023	-0.197	-0.138	-0.0089	0.0227	-0.0239
300	0.049	-0.187	-0.123	-0.0090	0.0227	-0.0242
310	0.091	-0.170	-0.100	-0.0090	0.0225	-0.0248
320	0.065	-0.119	-0.055	-0.0090	0.0220	-0.0251
330	0.029	0.023	0.036	0.0041	-0.0049	-0.0082
338	0.143	-0.075	0.003	0.0009	0.0068	0.0007
339	0.146	-0.055	-0.003	0.0010	0.0053	0.0317
340	0.109	-0.027	-0.004	0.0016	0.0043	0.0496
345	0.000	-0.000	0.000	0.0024	0.0027	0.0433
350	0.000	0.177	-0.000	-0.0107	-0.0075	-0.0368
358	0.089	0.204	-0.029	-0.0137	-0.0091	-0.0406
359	0.120	0.230	-0.046	-0.0107	-0.0084	-0.0285
360	0.117	0.251	-0.056	-0.0066	-0.0028	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.116	0.252	-0.056	-0.0064	-0.0027	-0.0058
380	0.100	0.259	-0.059	-0.0063	-0.0026	-0.0056
390	0.070	0.272	-0.065	-0.0062	-0.0024	-0.0053
400	0.059	0.298	-0.011	-0.0062	-0.0025	-0.0053
410	0.031	0.369	0.134	-0.0062	-0.0025	-0.0053
420	0.040	0.284	-0.070	-0.0060	-0.0022	-0.0051
430	0.051	-0.090	-0.029	-0.0090	0.0214	-0.0252
440	0.022	-0.047	-0.010	-0.0088	0.0075	-0.0266
444	-0.000	-0.000	-0.000	-0.0088	0.0015	-0.0267
449	-0.096	0.216	-0.110	-0.0113	-0.0179	-0.0183
450	-0.081	0.203	-0.146	-0.0154	-0.0071	-0.0152
451	-0.087	0.182	-0.065	-0.0087	-0.0141	-0.0255
460	-0.080	0.201	-0.148	-0.0154	-0.0070	-0.0151
470	-0.071	0.181	-0.165	-0.0154	-0.0070	-0.0151
480	-0.032	0.093	-0.236	-0.0155	-0.0068	-0.0149
490	-0.023	0.073	-0.253	-0.0155	-0.0068	-0.0149
500	-0.000	-0.000	-0.308	-0.0181	-0.0036	-0.0123
510	0.009	-0.160	-0.410	-0.0202	0.0002	-0.0075
518	0.007	-0.250	-0.468	-0.0183	0.0002	-0.0048
519	0.010	-0.260	-0.498	-0.0013	-0.0006	-0.0034
520	0.013	-0.233	-0.492	0.0172	0.0001	0.0015
530	-0.000	0.135	-0.000	0.0023	-0.0110	-0.0044
538	0.384	0.534	-0.554	-0.0241	-0.0233	-0.0169
539	0.427	0.544	-0.577	-0.0201	-0.0260	-0.0161
540	0.463	0.525	-0.537	-0.0171	-0.0331	-0.0131
550	0.553	0.439	-0.303	-0.0157	-0.0357	-0.0114
560	0.582	0.414	-0.221	-0.0153	-0.0365	-0.0106
570	0.287	0.532	-0.119	-0.0142	-0.0361	-0.0115
578	0.124	0.596	-0.061	-0.0136	-0.0349	-0.0120
579	0.034	0.611	-0.014	-0.0068	-0.0209	-0.0073
580	0.001	0.579	0.005	0.0055	-0.0158	-0.0014
590	0.000	0.568	-0.000	0.0058	-0.0153	-0.0014
600	-0.003	0.538	-0.020	0.0056	-0.0137	-0.0012
610	-0.006	0.515	-0.030	0.0055	-0.0137	-0.0011
620	-0.019	0.350	-0.090	0.0034	-0.0132	-0.0009
630	-0.021	0.328	-0.095	0.0031	-0.0131	-0.0009
640	-0.022	0.297	-0.093	-0.0026	-0.0115	0.0002
648	0.674	0.375	-0.253	-0.0155	-0.0363	-0.0100
649	0.779	0.320	-0.254	-0.0154	-0.0260	-0.0087
650	0.839	0.287	-0.216	-0.0135	-0.0127	-0.0020
658	0.875	0.282	-0.183	-0.0136	-0.0120	-0.0014
659	0.917	0.275	-0.146	-0.0117	-0.0053	0.0079
660	0.963	0.251	-0.108	-0.0129	-0.0045	0.0120
670	1.047	0.160	-0.013	-0.0139	-0.0030	0.0103
680	1.081	0.117	0.035	-0.0145	-0.0022	0.0084
690	-0.019	0.266	-0.077	-0.0066	-0.0114	0.0013
700	-0.013	0.235	-0.052	-0.0106	-0.0110	0.0026
705	0.882	-0.000	-0.000	-0.0152	-0.0023	0.0061
710	-0.009	0.216	-0.035	-0.0106	-0.0110	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.128	0.149	0.044	-0.0145	-0.0022	0.0084
730	0.200	-0.023	-0.025	-0.0175	0.0021	-0.0075
735	-0.000	0.147	-0.000	-0.0177	-0.0001	-0.0147
740	-0.334	0.674	-0.071	-0.0179	-0.0033	-0.0236
750	-0.659	1.303	-0.149	-0.0183	-0.0027	-0.0239
758	-0.706	1.393	-0.159	-0.0185	-0.0028	-0.0235
759	-0.789	1.442	-0.154	-0.0160	-0.0101	-0.0053
760	-0.783	1.378	-0.119	-0.0085	-0.0146	0.0165
770	-0.613	1.256	-0.042	-0.0066	-0.0169	0.0178
775	-0.470	1.157	-0.000	-0.0034	-0.0187	0.0178
780	-0.325	1.054	0.009	-0.0003	-0.0206	0.0169
785	-0.000	0.764	0.000	-0.0016	-0.0268	0.0084
790	0.077	0.437	0.123	-0.0073	-0.0337	-0.0002
792	0.089	0.152	0.296	-0.0062	-0.0398	0.0022
795	0.112	0.043	0.345	-0.0062	-0.0392	0.0024
797	0.122	-0.000	0.366	-0.0066	-0.0390	0.0026
798	0.211	-0.326	0.564	-0.0075	-0.0373	0.0026
799	0.269	-0.382	0.545	0.0063	-0.0323	-0.0082
800	0.372	-0.348	0.466	0.0158	-0.0206	-0.0140
808	0.416	-0.313	0.439	0.0158	-0.0203	-0.0145
809	0.454	-0.218	0.360	0.0109	-0.0050	-0.0136
810	0.395	-0.144	0.344	0.0073	0.0061	-0.0090
850	0.135	-0.009	0.447	0.0004	0.0007	-0.0009
860	0.112	-0.007	0.449	0.0004	0.0006	-0.0008
870	0.041	0.140	0.147	-0.0055	-0.0410	0.0028
875	-0.004	0.128	-0.000	-0.0047	-0.0429	0.0030
878	-0.115	0.103	-0.401	-0.0029	-0.0459	0.0025
879	-0.262	0.103	-0.594	-0.0016	-0.0403	0.0009
880	-0.419	0.089	-0.600	0.0070	-0.0147	0.0029
888	-0.613	-0.493	0.218	0.0082	0.0071	-0.0050
889	-0.522	-0.525	0.245	0.0026	0.0204	-0.0040
890	-0.418	-0.551	0.160	0.0021	0.0245	-0.0065
899	-0.337	-0.570	0.048	0.0012	0.0244	-0.0112
900	-0.255	-0.533	0.001	-0.0011	0.0244	-0.0109
902	-0.000	-0.000	-0.000	0.0012	0.0187	0.0050
905	-0.529	0.446	-0.000	-0.0041	0.0138	0.0213
908	-0.825	0.617	-0.085	-0.0077	0.0121	0.0217
909	-0.873	0.702	-0.166	-0.0137	0.0126	0.0074
910	-0.816	0.718	-0.231	-0.0112	0.0027	-0.0104
920	-0.670	0.588	-0.248	-0.0121	0.0001	-0.0119
925	-0.000	0.002	-0.000	-0.0147	-0.0024	-0.0071
930	0.209	-0.078	-0.004	-0.0155	0.0014	-0.0032
935	0.887	0.000	-0.000	-0.0136	-0.0013	0.0057
940	1.090	0.113	0.019	-0.0130	-0.0012	0.0080
950	1.137	0.144	0.024	-0.0130	-0.0012	0.0080
960	-0.393	1.053	0.051	0.0003	-0.0201	0.0164
968	-0.445	1.052	0.084	0.0005	-0.0195	0.0161
969	-0.499	1.063	0.121	0.0018	-0.0075	0.0111
970	-0.522	1.096	0.142	0.0028	-0.0021	0.0016

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.517	1.305	0.207	0.0053	0.0052	-0.0026
979	-0.476	1.327	0.222	0.0085	0.0066	-0.0159
980	-0.417	1.279	0.201	0.0064	0.0169	-0.0267
985	-0.280	0.986	-0.000	0.0090	0.0215	-0.0273
988	-0.092	0.599	-0.342	0.0126	0.0236	-0.0253
989	-0.036	0.522	-0.381	0.0121	0.0134	-0.0207
990	-0.003	0.460	-0.356	0.0157	0.0002	-0.0205
1000	-0.011	0.333	-0.257	0.0167	-0.0022	-0.0184
1010	-0.014	0.311	-0.241	0.0169	-0.0026	-0.0180
1012	-0.018	0.283	-0.220	0.0169	-0.0026	-0.0180
1016	-0.037	0.167	-0.133	0.0169	-0.0028	-0.0179
1020	-0.041	0.140	-0.113	0.0169	-0.0028	-0.0179
1029	-0.057	0.073	-0.060	0.0153	-0.0162	-0.0158
1030	-0.040	0.023	-0.007	0.0127	-0.0022	-0.0077
1035	-0.000	0.000	-0.000	0.0127	0.0018	-0.0070
1040	0.040	-0.020	-0.016	0.0128	0.0064	-0.0062
1045	0.075	-0.041	-0.034	0.0129	0.0111	-0.0053
1050	0.093	-0.048	-0.049	0.0129	0.0112	-0.0053
1070	0.224	0.020	-0.085	-0.0179	0.0018	-0.0068
1080	1.057	0.156	-0.024	-0.0125	-0.0020	0.0101
1090	0.219	-0.036	-0.058	-0.0164	0.0008	-0.0029
1100	-0.581	1.346	-0.211	-0.0176	-0.0028	-0.0222
1110	-0.629	0.631	-0.290	-0.0125	0.0007	-0.0119
1120	0.005	0.295	-0.077	-0.0039	-0.0058	-0.0019
1130	0.024	0.290	-0.073	-0.0059	-0.0022	-0.0049
1190	0.002	0.161	0.005	-0.0028	-0.0104	0.0012
1200	-0.000	0.177	-0.000	-0.0070	-0.0107	0.0021
1210	-0.004	0.193	-0.016	-0.0106	-0.0110	0.0027
1220	-0.008	0.213	-0.033	-0.0107	-0.0110	0.0027
1230	-0.003	-0.007	0.771	0.0003	-0.0002	-0.0004
1240	-0.004	-0.008	0.794	0.0004	-0.0003	-0.0005
1248	-0.025	-0.047	1.004	0.0044	-0.0009	-0.0057
1249	-0.028	-0.139	1.027	0.0248	0.0034	-0.0066
1250	-0.070	-0.258	0.899	0.0383	0.0024	-0.0148
1258	-0.258	-0.417	0.433	0.0382	0.0056	-0.0157
1259	-0.305	-0.507	0.257	0.0332	0.0059	-0.0135
1260	-0.268	-0.586	0.150	0.0338	0.0131	-0.0082
1268	-0.047	-0.723	-0.089	0.0297	0.0146	-0.0071
1269	0.019	-0.719	-0.124	0.0239	0.0242	-0.0010
1270	0.040	-0.660	-0.102	0.0073	0.0308	0.0025
1275	-0.000	-0.413	-0.000	0.0019	0.0326	0.0018
1280	0.005	-0.059	0.011	0.0031	0.0352	-0.0018
1285	0.008	-0.036	0.017	0.0032	0.0352	-0.0018
1290	0.012	-0.012	0.023	0.0032	0.0352	-0.0018
1300	0.013	-0.008	0.025	0.0034	0.0352	-0.0018
1310	0.013	-0.003	0.026	0.0036	0.0353	-0.0019
1315	0.017	0.020	0.033	0.0036	0.0353	-0.0019
1320	0.021	0.044	0.040	0.0037	0.0353	-0.0019
1325	0.111	0.360	0.260	0.0117	0.0376	-0.0036

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.151	0.487	0.386	0.0118	0.0386	-0.0030
1329	0.117	0.536	0.492	0.0009	0.0344	0.0093
1330	0.034	0.489	0.627	-0.0053	0.0236	0.0196
1338	-0.018	0.407	0.726	-0.0068	0.0229	0.0197
1339	-0.042	0.294	0.802	-0.0030	0.0056	0.0152
1340	-0.026	0.212	0.817	-0.0014	0.0004	0.0007
1350	-0.026	0.208	0.818	-0.0014	0.0002	0.0007
1360	-0.025	0.185	0.820	-0.0014	0.0001	0.0006
1373	0.126	-0.062	-0.080	0.0129	0.0115	-0.0052
1376	0.094	-0.026	-0.114	0.0129	0.0117	-0.0050
1380	0.080	-0.010	-0.131	0.0129	0.0117	-0.0050
1390	0.057	0.013	-0.153	0.0124	0.0127	-0.0036
1392	0.040	0.030	-0.171	0.0124	0.0128	-0.0035
1396	-0.033	0.100	-0.243	0.0123	0.0128	-0.0034
1400	-0.051	0.117	-0.260	0.0122	0.0128	-0.0034
1410	-0.124	0.176	-0.333	0.0073	0.0124	-0.0003
1418	-0.157	0.192	-0.367	0.0044	0.0119	0.0011
1419	-0.172	0.167	-0.380	-0.0205	0.0055	0.0049
1420	-0.157	0.122	-0.332	-0.0368	0.0015	0.0141
1425	-0.000	-0.000	-0.000	-0.0248	-0.0014	0.0183
1428	0.589	-0.353	0.021	0.0081	-0.0098	0.0190
1429	0.602	-0.384	0.002	0.0042	-0.0092	0.0046
1430	0.578	-0.388	-0.018	0.0027	-0.0089	-0.0103
1435	-0.000	-0.000	-0.000	-0.0212	0.0091	0.0103
1438	-0.073	-0.080	0.051	-0.0242	0.0092	0.0150
1439	-0.111	-0.115	0.049	-0.0244	0.0113	0.0138
1440	-0.151	-0.140	0.010	-0.0219	0.0100	0.0089
1448	-0.177	-0.154	-0.040	-0.0212	0.0108	0.0074
1449	-0.188	-0.153	-0.063	-0.0141	0.0091	0.0035
1450	-0.191	-0.143	-0.076	-0.0056	0.0084	-0.0026
1455	-0.000	0.130	0.000	0.0118	0.0149	-0.0135
1458	0.030	0.158	0.029	0.0122	0.0155	-0.0142
1459	0.051	0.185	0.033	-0.0014	0.0143	-0.0203
1460	0.041	0.170	0.003	-0.0239	0.0141	-0.0222
1470	-0.374	-0.263	-0.548	0.0417	0.0041	-0.0501
1480	-0.381	-0.183	-0.570	0.0489	0.0042	-0.0512
1490	-0.389	-0.087	-0.593	0.0567	0.0044	-0.0523
1495	-0.307	-0.067	-0.498	0.0626	0.0044	-0.0530
1497	-0.211	-0.045	-0.374	0.0773	0.0044	-0.0548
1498	-0.621	1.661	-0.938	0.0730	0.0093	-0.0480
1499	-0.625	1.713	-0.953	0.0765	0.0098	-0.0467
1500	-0.000	0.001	-0.000	0.1100	0.0044	-0.0587
1504	-0.397	0.017	-0.616	0.0569	0.0047	-0.0523
1505	-0.617	1.700	-0.968	0.0780	0.0096	-0.0451
1506	-0.406	0.118	-0.639	0.0574	0.0055	-0.0522
1508	-0.142	0.029	-0.344	0.1054	-0.0437	-0.0459
1509	-0.112	-0.010	-0.261	0.1068	-0.0456	-0.0471
1510	-0.062	-0.016	-0.141	0.1091	-0.0464	-0.0479
1520	-0.000	-0.000	-0.000	0.1093	-0.0464	-0.0480

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.005	0.364	0.782	0.0004	0.0014	0.0012
2030	0.008	0.363	0.802	0.0005	0.0015	0.0015
2040	0.014	0.360	0.824	0.0024	0.0034	0.0063
2050	0.019	0.356	0.843	0.0025	0.0035	0.0066
2060	0.025	0.352	0.863	0.0026	0.0035	0.0068
2068	0.032	0.346	0.885	0.0047	0.0022	0.0117
2069	0.034	0.306	0.892	0.0274	-0.0110	0.0148
2070	0.065	0.256	0.834	0.0410	-0.0138	0.0285
2078	0.118	0.234	0.760	0.0411	-0.0186	0.0299
2079	0.169	0.185	0.664	0.0428	-0.0267	0.0302
2080	0.167	0.128	0.559	0.0460	-0.0471	0.0199
2090	0.022	-0.068	0.000	0.0289	-0.0404	0.0142
2100	-0.111	-0.190	-0.292	0.0132	-0.0140	0.0075
2108	-0.134	-0.204	-0.319	0.0133	-0.0140	0.0069
2109	-0.158	-0.198	-0.331	0.0154	-0.0094	-0.0038
2110	-0.151	-0.168	-0.302	0.0226	-0.0055	-0.0116
2120	-0.149	-0.167	-0.299	0.0227	-0.0054	-0.0116
2130	-0.131	-0.147	-0.264	0.0227	-0.0054	-0.0116
2140	-0.026	-0.031	-0.054	0.0224	-0.0051	-0.0110
2150	-0.009	-0.011	-0.019	0.0221	-0.0050	-0.0108
2160	-0.000	-0.000	-0.000	0.0175	-0.0045	-0.0084
2170	0.010	0.032	0.024	0.0045	-0.0027	-0.0026
2180	0.011	0.055	0.024	-0.0019	-0.0022	0.0007
2190	0.010	0.074	0.020	-0.0021	-0.0021	0.0008
2200	0.007	0.108	0.014	-0.0023	-0.0021	0.0010
2210	-0.000	0.116	0.060	-0.0023	-0.0021	0.0010
2220	-0.010	0.127	0.119	-0.0023	-0.0021	0.0010
2230	0.004	0.141	0.008	-0.0025	-0.0020	0.0011
2240	-0.126	-0.209	-0.270	0.0091	-0.0045	0.0045
2250	-0.121	-0.218	-0.251	0.0007	0.0143	-0.0026
2260	-0.104	-0.218	-0.235	0.0005	0.0147	-0.0027
2270	-0.018	-0.219	-0.165	-0.0002	0.0160	-0.0036
2280	0.001	-0.219	-0.150	-0.0002	0.0162	-0.0038
2290	0.024	-0.215	-0.135	-0.0081	0.0224	-0.0265
2300	0.050	-0.205	-0.121	-0.0082	0.0224	-0.0269
2310	0.091	-0.190	-0.098	-0.0083	0.0222	-0.0275
2320	0.065	-0.134	-0.053	-0.0083	0.0217	-0.0278
2330	0.029	0.023	0.026	0.0043	0.0001	-0.0082
2338	0.143	-0.075	-0.014	0.0035	0.0050	0.0006
2339	0.146	-0.055	-0.016	0.0043	0.0024	0.0316
2340	0.109	-0.028	-0.013	0.0056	0.0010	0.0496
2345	0.000	-0.000	0.000	0.0062	-0.0007	0.0433
2350	0.000	0.176	-0.000	-0.0173	-0.0120	-0.0368
2358	0.089	0.204	-0.047	-0.0216	-0.0138	-0.0405
2359	0.120	0.229	-0.072	-0.0159	-0.0121	-0.0285
2360	0.116	0.251	-0.085	-0.0089	-0.0020	-0.0061
2370	0.116	0.251	-0.085	-0.0087	-0.0018	-0.0058
2380	0.100	0.258	-0.088	-0.0085	-0.0017	-0.0057
2390	0.070	0.271	-0.091	-0.0083	-0.0013	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.064	0.307	-0.037	-0.0083	-0.0014	-0.0054
2410	0.048	0.402	0.108	-0.0083	-0.0014	-0.0054
2420	0.040	0.284	-0.093	-0.0080	-0.0008	-0.0051
2430	0.050	-0.102	-0.028	-0.0083	0.0212	-0.0279
2440	0.022	-0.053	-0.010	-0.0088	0.0070	-0.0300
2445	-0.000	-0.000	-0.000	-0.0090	0.0009	-0.0303
2449	-0.096	0.251	-0.116	-0.0123	-0.0182	-0.0231
2450	-0.081	0.240	-0.152	-0.0180	-0.0070	-0.0196
2451	-0.087	0.210	-0.070	-0.0095	-0.0149	-0.0298
2460	-0.080	0.237	-0.154	-0.0180	-0.0069	-0.0195
2470	-0.071	0.213	-0.171	-0.0180	-0.0069	-0.0195
2480	-0.032	0.111	-0.243	-0.0182	-0.0067	-0.0193
2490	-0.023	0.086	-0.260	-0.0182	-0.0067	-0.0193
2500	-0.000	-0.000	-0.315	-0.0218	-0.0040	-0.0168
2510	0.016	-0.197	-0.416	-0.0253	-0.0008	-0.0124
2518	0.018	-0.311	-0.475	-0.0235	-0.0004	-0.0098
2519	0.024	-0.331	-0.508	-0.0057	0.0014	-0.0076
2520	0.030	-0.306	-0.508	0.0147	0.0032	-0.0013
2530	-0.000	0.062	-0.000	0.0076	-0.0007	0.0028
2538	-0.042	0.463	-0.262	-0.0146	-0.0052	-0.0024
2539	-0.024	0.482	-0.287	-0.0158	-0.0054	-0.0067
2540	0.007	0.476	-0.288	-0.0157	-0.0069	-0.0095
2550	0.094	0.409	-0.240	-0.0165	-0.0074	-0.0094
2560	0.123	0.387	-0.223	-0.0168	-0.0073	-0.0091
2570	0.065	0.519	-0.121	-0.0160	-0.0069	-0.0081
2578	0.034	0.591	-0.063	-0.0154	-0.0066	-0.0076
2579	0.013	0.610	-0.015	-0.0075	-0.0027	-0.0056
2580	0.001	0.579	0.005	0.0053	-0.0008	-0.0015
2590	-0.000	0.568	-0.000	0.0056	-0.0007	-0.0014
2600	-0.004	0.538	-0.019	0.0053	-0.0005	-0.0012
2610	-0.006	0.515	-0.029	0.0052	-0.0005	-0.0012
2620	-0.019	0.350	-0.086	0.0032	-0.0004	-0.0009
2630	-0.021	0.328	-0.091	0.0029	-0.0004	-0.0009
2640	-0.022	0.297	-0.089	-0.0026	-0.0002	0.0002
2648	0.141	0.345	-0.255	-0.0170	-0.0073	-0.0093
2649	0.174	0.282	-0.283	-0.0191	-0.0048	-0.0102
2650	0.214	0.229	-0.290	-0.0195	-0.0015	-0.0108
2658	0.248	0.199	-0.286	-0.0195	-0.0014	-0.0107
2659	0.273	0.157	-0.264	-0.0188	0.0007	-0.0082
2660	0.269	0.112	-0.213	-0.0181	0.0013	-0.0063
2690	-0.019	0.266	-0.073	-0.0063	-0.0005	0.0013
2700	-0.013	0.235	-0.049	-0.0100	-0.0010	0.0026
2710	-0.009	0.216	-0.033	-0.0101	-0.0010	0.0027
3120	0.005	0.295	-0.092	-0.0047	0.0010	-0.0019
3130	0.024	0.290	-0.094	-0.0079	-0.0006	-0.0050
3190	0.002	0.161	0.004	-0.0027	-0.0020	0.0012
3200	-0.000	0.177	-0.000	-0.0066	-0.0015	0.0021
3210	-0.004	0.193	-0.015	-0.0100	-0.0010	0.0027
3220	-0.008	0.213	-0.031	-0.0101	-0.0010	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.005	0.364	0.782	0.0004	0.0014	0.0012
4030	0.008	0.363	0.802	0.0005	0.0015	0.0015
4040	0.014	0.361	0.824	0.0023	0.0035	0.0064
4050	0.020	0.357	0.843	0.0024	0.0035	0.0066
4060	0.025	0.353	0.863	0.0025	0.0035	0.0068
4068	0.032	0.347	0.885	0.0046	0.0022	0.0117
4069	0.034	0.308	0.892	0.0272	-0.0108	0.0148
4070	0.066	0.258	0.834	0.0408	-0.0137	0.0285
4078	0.119	0.236	0.761	0.0409	-0.0185	0.0298
4079	0.169	0.187	0.665	0.0428	-0.0266	0.0300
4080	0.167	0.130	0.560	0.0461	-0.0471	0.0195
4090	0.022	-0.062	0.000	0.0291	-0.0405	0.0142
4100	-0.111	-0.187	-0.296	0.0136	-0.0148	0.0082
4108	-0.134	-0.202	-0.324	0.0141	-0.0152	0.0075
4109	-0.158	-0.198	-0.342	0.0158	-0.0139	-0.0033
4110	-0.152	-0.168	-0.315	0.0236	-0.0110	-0.0116
4120	-0.150	-0.167	-0.312	0.0237	-0.0109	-0.0116
4130	-0.132	-0.147	-0.276	0.0237	-0.0109	-0.0116
4140	-0.026	-0.031	-0.057	0.0234	-0.0108	-0.0111
4150	-0.009	-0.011	-0.020	0.0231	-0.0108	-0.0109
4160	-0.000	-0.000	-0.000	0.0183	-0.0106	-0.0084
4170	0.010	0.032	0.025	0.0047	-0.0099	-0.0026
4180	0.011	0.055	0.025	-0.0020	-0.0105	0.0007
4190	0.010	0.074	0.021	-0.0022	-0.0105	0.0008
4200	0.007	0.108	0.015	-0.0024	-0.0105	0.0010
4210	-0.031	0.117	0.061	-0.0024	-0.0105	0.0010
4220	-0.080	0.128	0.120	-0.0024	-0.0105	0.0010
4230	0.004	0.141	0.009	-0.0026	-0.0106	0.0011
4240	-0.127	-0.206	-0.274	0.0089	-0.0051	0.0053
4250	-0.123	-0.214	-0.254	-0.0005	0.0142	-0.0015
4260	-0.105	-0.213	-0.239	-0.0007	0.0147	-0.0016
4270	-0.019	-0.207	-0.169	-0.0014	0.0161	-0.0025
4280	0.000	-0.205	-0.154	-0.0015	0.0162	-0.0027
4290	0.023	-0.200	-0.139	-0.0088	0.0229	-0.0243
4300	0.049	-0.190	-0.125	-0.0089	0.0229	-0.0247
4310	0.091	-0.173	-0.102	-0.0089	0.0226	-0.0253
4320	0.065	-0.122	-0.056	-0.0089	0.0221	-0.0255
4330	0.029	0.023	0.036	0.0041	-0.0050	-0.0082
4338	0.143	-0.075	0.003	0.0008	0.0068	0.0007
4339	0.146	-0.055	-0.003	0.0009	0.0054	0.0316
4340	0.109	-0.027	-0.004	0.0015	0.0044	0.0496
4345	0.000	-0.000	0.000	0.0023	0.0028	0.0433
4350	0.000	0.177	-0.000	-0.0105	-0.0074	-0.0368
4358	0.089	0.204	-0.029	-0.0135	-0.0090	-0.0406
4359	0.120	0.230	-0.045	-0.0105	-0.0084	-0.0284
4360	0.116	0.251	-0.055	-0.0065	-0.0028	-0.0060
4370	0.116	0.252	-0.055	-0.0064	-0.0028	-0.0057
4380	0.100	0.259	-0.059	-0.0063	-0.0027	-0.0056
4390	0.070	0.272	-0.065	-0.0061	-0.0024	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.059	0.298	-0.010	-0.0061	-0.0025	-0.0053
4410	0.030	0.368	0.135	-0.0061	-0.0026	-0.0053
4420	0.040	0.284	-0.070	-0.0059	-0.0022	-0.0051
4430	0.051	-0.092	-0.030	-0.0089	0.0216	-0.0256
4440	0.022	-0.048	-0.011	-0.0088	0.0078	-0.0271
4445	-0.000	-0.000	-0.000	-0.0088	0.0018	-0.0272
4449	-0.097	0.220	-0.106	-0.0114	-0.0176	-0.0187
4450	-0.082	0.208	-0.142	-0.0157	-0.0071	-0.0155
4451	-0.087	0.186	-0.061	-0.0087	-0.0136	-0.0260
4460	-0.081	0.206	-0.144	-0.0157	-0.0071	-0.0154
4470	-0.072	0.185	-0.160	-0.0157	-0.0070	-0.0154
4480	-0.032	0.095	-0.232	-0.0158	-0.0069	-0.0152
4490	-0.023	0.074	-0.249	-0.0159	-0.0068	-0.0152
4500	-0.000	-0.000	-0.304	-0.0186	-0.0035	-0.0125
4510	0.008	-0.165	-0.406	-0.0209	0.0003	-0.0077
4518	0.005	-0.258	-0.464	-0.0189	0.0004	-0.0049
4519	0.008	-0.270	-0.494	-0.0018	-0.0004	-0.0035
4520	0.010	-0.242	-0.488	0.0170	0.0002	0.0015
4530	-0.000	0.126	-0.000	0.0022	-0.0111	-0.0045
4538	0.391	0.524	-0.559	-0.0243	-0.0237	-0.0171
4539	0.434	0.534	-0.583	-0.0203	-0.0264	-0.0160
4540	0.470	0.516	-0.542	-0.0174	-0.0336	-0.0127
4550	0.560	0.433	-0.305	-0.0160	-0.0362	-0.0111
4560	0.589	0.408	-0.221	-0.0156	-0.0370	-0.0104
4570	0.290	0.529	-0.120	-0.0146	-0.0366	-0.0113
4578	0.125	0.595	-0.061	-0.0140	-0.0353	-0.0118
4579	0.034	0.611	-0.014	-0.0070	-0.0212	-0.0072
4580	0.001	0.579	0.005	0.0055	-0.0161	-0.0014
4590	0.000	0.568	-0.000	0.0058	-0.0155	-0.0014
4600	-0.003	0.538	-0.020	0.0056	-0.0140	-0.0012
4610	-0.006	0.515	-0.030	0.0055	-0.0139	-0.0012
4620	-0.019	0.350	-0.090	0.0034	-0.0134	-0.0009
4630	-0.021	0.328	-0.096	0.0031	-0.0134	-0.0009
4640	-0.022	0.297	-0.093	-0.0026	-0.0118	0.0002
4648	0.682	0.369	-0.253	-0.0158	-0.0368	-0.0098
4649	0.789	0.313	-0.253	-0.0154	-0.0265	-0.0083
4650	0.850	0.281	-0.214	-0.0133	-0.0130	-0.0016
4658	0.885	0.277	-0.180	-0.0134	-0.0123	-0.0011
4659	0.928	0.272	-0.144	-0.0112	-0.0049	0.0081
4660	0.974	0.247	-0.109	-0.0116	-0.0037	0.0119
4690	-0.019	0.266	-0.078	-0.0066	-0.0116	0.0013
4700	-0.013	0.235	-0.052	-0.0106	-0.0113	0.0026
4710	-0.009	0.216	-0.035	-0.0107	-0.0112	0.0027
5120	0.005	0.295	-0.077	-0.0039	-0.0060	-0.0019
5130	0.024	0.290	-0.073	-0.0059	-0.0023	-0.0049
5190	0.002	0.161	0.005	-0.0028	-0.0106	0.0012
5200	-0.000	0.177	-0.000	-0.0070	-0.0109	0.0021
5210	-0.004	0.193	-0.016	-0.0106	-0.0112	0.0027
5220	-0.008	0.213	-0.033	-0.0107	-0.0112	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.005	0.364	0.782	0.0004	0.0014	0.0012
6030	0.008	0.363	0.802	0.0005	0.0015	0.0014
6040	0.014	0.360	0.824	0.0024	0.0034	0.0063
6050	0.019	0.356	0.843	0.0025	0.0034	0.0066
6060	0.025	0.352	0.863	0.0026	0.0034	0.0068
6068	0.031	0.346	0.885	0.0047	0.0021	0.0117
6069	0.034	0.306	0.892	0.0273	-0.0110	0.0148
6070	0.065	0.256	0.834	0.0408	-0.0138	0.0285
6078	0.118	0.234	0.761	0.0409	-0.0186	0.0298
6079	0.169	0.186	0.665	0.0427	-0.0267	0.0303
6080	0.167	0.128	0.560	0.0459	-0.0471	0.0200
6090	0.021	-0.069	0.000	0.0290	-0.0406	0.0142
6100	-0.112	-0.190	-0.296	0.0135	-0.0142	0.0074
6108	-0.135	-0.204	-0.322	0.0135	-0.0141	0.0068
6109	-0.158	-0.198	-0.334	0.0158	-0.0090	-0.0038
6110	-0.151	-0.168	-0.304	0.0228	-0.0050	-0.0116
6120	-0.149	-0.167	-0.301	0.0228	-0.0049	-0.0116
6130	-0.131	-0.147	-0.266	0.0229	-0.0049	-0.0116
6140	-0.026	-0.031	-0.055	0.0226	-0.0046	-0.0110
6150	-0.009	-0.011	-0.020	0.0223	-0.0045	-0.0109
6160	-0.000	-0.000	-0.000	0.0176	-0.0039	-0.0084
6170	0.010	0.032	0.024	0.0045	-0.0021	-0.0026
6180	0.011	0.055	0.024	-0.0019	-0.0014	0.0007
6190	0.010	0.074	0.020	-0.0021	-0.0014	0.0008
6200	0.007	0.108	0.014	-0.0023	-0.0013	0.0010
6210	0.002	0.116	0.060	-0.0023	-0.0013	0.0010
6220	-0.004	0.127	0.119	-0.0023	-0.0013	0.0010
6230	0.004	0.141	0.008	-0.0025	-0.0013	0.0011
6240	-0.126	-0.210	-0.274	0.0095	-0.0047	0.0043
6250	-0.122	-0.219	-0.254	0.0013	0.0142	-0.0029
6260	-0.105	-0.221	-0.239	0.0011	0.0147	-0.0031
6270	-0.019	-0.225	-0.169	0.0004	0.0160	-0.0040
6280	0.000	-0.225	-0.153	0.0003	0.0161	-0.0042
6290	0.023	-0.221	-0.139	-0.0078	0.0228	-0.0275
6300	0.049	-0.212	-0.124	-0.0079	0.0228	-0.0279
6310	0.091	-0.197	-0.101	-0.0080	0.0226	-0.0285
6320	0.065	-0.139	-0.056	-0.0081	0.0221	-0.0288
6330	0.029	0.023	0.025	0.0044	0.0005	-0.0082
6338	0.143	-0.075	-0.016	0.0038	0.0049	0.0006
6339	0.146	-0.055	-0.018	0.0046	0.0022	0.0316
6340	0.109	-0.028	-0.013	0.0060	0.0007	0.0496
6345	0.000	-0.001	0.000	0.0066	-0.0010	0.0433
6350	0.000	0.176	-0.000	-0.0179	-0.0125	-0.0367
6358	0.089	0.204	-0.048	-0.0223	-0.0142	-0.0405
6359	0.119	0.229	-0.074	-0.0163	-0.0124	-0.0284
6360	0.116	0.251	-0.088	-0.0092	-0.0019	-0.0061
6370	0.116	0.251	-0.088	-0.0089	-0.0018	-0.0058
6380	0.099	0.258	-0.090	-0.0088	-0.0017	-0.0057
6390	0.070	0.271	-0.094	-0.0085	-0.0012	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.064	0.308	-0.039	-0.0085	-0.0013	-0.0054
6410	0.049	0.405	0.106	-0.0085	-0.0014	-0.0054
6420	0.040	0.284	-0.096	-0.0082	-0.0007	-0.0051
6430	0.051	-0.106	-0.030	-0.0081	0.0216	-0.0289
6440	0.022	-0.055	-0.011	-0.0087	0.0077	-0.0312
6445	-0.000	-0.000	-0.000	-0.0089	0.0017	-0.0316
6449	-0.097	0.263	-0.107	-0.0125	-0.0176	-0.0243
6450	-0.082	0.251	-0.144	-0.0188	-0.0071	-0.0205
6451	-0.087	0.219	-0.063	-0.0096	-0.0138	-0.0312
6460	-0.081	0.249	-0.145	-0.0189	-0.0070	-0.0205
6470	-0.072	0.224	-0.162	-0.0189	-0.0069	-0.0204
6480	-0.033	0.116	-0.234	-0.0190	-0.0068	-0.0203
6490	-0.024	0.091	-0.251	-0.0191	-0.0068	-0.0202
6500	-0.000	-0.000	-0.306	-0.0231	-0.0041	-0.0177
6510	0.016	-0.210	-0.408	-0.0271	-0.0008	-0.0131
6518	0.018	-0.332	-0.466	-0.0254	-0.0004	-0.0105
6519	0.025	-0.355	-0.500	-0.0071	0.0015	-0.0082
6520	0.032	-0.332	-0.503	0.0140	0.0035	-0.0016
6530	-0.000	0.036	-0.000	0.0081	-0.0004	0.0034
6538	-0.075	0.438	-0.242	-0.0145	-0.0047	-0.0016
6539	-0.057	0.457	-0.269	-0.0169	-0.0044	-0.0068
6540	-0.027	0.449	-0.274	-0.0173	-0.0053	-0.0104
6550	0.061	0.376	-0.237	-0.0188	-0.0056	-0.0102
6560	0.089	0.353	-0.224	-0.0193	-0.0055	-0.0098
6570	0.048	0.504	-0.122	-0.0184	-0.0048	-0.0085
6578	0.027	0.587	-0.064	-0.0176	-0.0045	-0.0077
6579	0.011	0.610	-0.015	-0.0082	-0.0011	-0.0057
6580	0.001	0.579	0.005	0.0053	0.0007	-0.0015
6590	-0.000	0.568	-0.000	0.0056	0.0007	-0.0014
6600	-0.004	0.538	-0.019	0.0053	0.0008	-0.0012
6610	-0.006	0.515	-0.029	0.0052	0.0008	-0.0012
6620	-0.020	0.350	-0.086	0.0032	0.0008	-0.0009
6630	-0.021	0.328	-0.091	0.0029	0.0008	-0.0009
6640	-0.022	0.297	-0.088	-0.0026	0.0009	0.0002
6648	0.103	0.304	-0.256	-0.0195	-0.0056	-0.0100
6649	0.135	0.233	-0.284	-0.0217	-0.0061	-0.0110
6650	0.177	0.175	-0.283	-0.0221	-0.0051	-0.0115
6658	0.212	0.143	-0.270	-0.0220	-0.0050	-0.0114
6659	0.238	0.100	-0.235	-0.0207	-0.0019	-0.0074
6660	0.238	0.056	-0.180	-0.0175	-0.0003	-0.0030
6690	-0.019	0.266	-0.073	-0.0063	0.0006	0.0014
6700	-0.013	0.235	-0.049	-0.0100	-0.0000	0.0026
6710	-0.009	0.216	-0.033	-0.0101	-0.0001	0.0027
7120	0.005	0.295	-0.093	-0.0048	0.0017	-0.0019
7130	0.024	0.290	-0.096	-0.0081	-0.0005	-0.0050
7190	0.002	0.161	0.004	-0.0027	-0.0012	0.0012
7200	-0.000	0.177	-0.000	-0.0066	-0.0007	0.0021
7210	-0.004	0.193	-0.015	-0.0100	-0.0001	0.0027
7220	-0.008	0.213	-0.031	-0.0101	-0.0001	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
7550	0.001	0.365	0.727	0.0001	0.0004	0.0003
7560	0.003	0.364	0.763	0.0003	0.0012	0.0010
7570	0.005	0.364	0.782	0.0004	0.0014	0.0012
8020	0.005	0.363	0.782	0.0005	0.0014	0.0012
8030	0.008	0.363	0.802	0.0005	0.0015	0.0015
8040	0.014	0.360	0.824	0.0024	0.0034	0.0064
8050	0.019	0.356	0.843	0.0025	0.0034	0.0066
8060	0.025	0.352	0.863	0.0026	0.0034	0.0068
8068	0.031	0.346	0.885	0.0045	0.0021	0.0117
8069	0.033	0.308	0.893	0.0254	-0.0110	0.0149
8070	0.065	0.260	0.840	0.0374	-0.0138	0.0289
8078	0.119	0.238	0.773	0.0375	-0.0186	0.0302
8079	0.170	0.189	0.684	0.0394	-0.0268	0.0310
8080	0.169	0.129	0.580	0.0430	-0.0481	0.0208
8090	0.024	-0.073	0.000	0.0265	-0.0437	0.0143
8100	-0.109	-0.191	-0.332	0.0116	-0.0163	0.0072
8108	-0.132	-0.204	-0.362	0.0118	-0.0156	0.0065
8109	-0.155	-0.198	-0.371	0.0162	-0.0050	-0.0039
8110	-0.149	-0.168	-0.334	0.0251	0.0007	-0.0114
8120	-0.147	-0.167	-0.331	0.0252	0.0008	-0.0114
8130	-0.129	-0.147	-0.292	0.0252	0.0009	-0.0114
8140	-0.026	-0.031	-0.060	0.0248	0.0013	-0.0109
8150	-0.009	-0.011	-0.021	0.0244	0.0014	-0.0107
8160	-0.000	-0.000	-0.000	0.0194	0.0023	-0.0082
8170	0.009	0.032	0.027	0.0050	0.0049	-0.0025
8180	0.011	0.055	0.026	-0.0021	0.0065	0.0007
8190	0.009	0.074	0.023	-0.0024	0.0066	0.0008
8200	0.007	0.108	0.016	-0.0026	0.0067	0.0010
8210	0.031	0.117	0.062	-0.0026	0.0067	0.0010
8220	0.063	0.129	0.121	-0.0026	0.0067	0.0010
8230	0.004	0.142	0.009	-0.0028	0.0069	0.0011
8240	-0.127	-0.207	-0.311	0.0073	-0.0064	0.0044
8250	-0.125	-0.213	-0.291	-0.0011	0.0134	-0.0021
8260	-0.109	-0.212	-0.276	-0.0013	0.0138	-0.0023
8270	-0.027	-0.202	-0.206	-0.0020	0.0153	-0.0031
8280	-0.009	-0.200	-0.190	-0.0020	0.0155	-0.0033
8290	0.015	-0.195	-0.176	-0.0075	0.0264	-0.0241
8300	0.045	-0.186	-0.162	-0.0076	0.0265	-0.0244
8310	0.094	-0.172	-0.138	-0.0076	0.0264	-0.0250
8320	0.068	-0.121	-0.085	-0.0075	0.0261	-0.0253
8330	0.028	0.023	0.019	0.0052	0.0056	-0.0082
8338	0.143	-0.075	-0.032	0.0066	0.0036	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.056	-0.031	0.0080	-0.0003	0.0315
8340	0.109	-0.028	-0.022	0.0100	-0.0021	0.0496
8345	0.000	-0.001	0.000	0.0104	-0.0041	0.0434
8350	0.000	0.175	-0.000	-0.0244	-0.0170	-0.0373
8358	0.091	0.203	-0.065	-0.0300	-0.0190	-0.0412
8359	0.122	0.229	-0.099	-0.0215	-0.0162	-0.0289
8360	0.119	0.250	-0.117	-0.0116	-0.0014	-0.0061
8370	0.118	0.251	-0.117	-0.0112	-0.0013	-0.0059
8380	0.102	0.258	-0.119	-0.0110	-0.0011	-0.0057
8390	0.072	0.271	-0.121	-0.0107	-0.0004	-0.0054
8400	0.070	0.317	-0.066	-0.0107	-0.0005	-0.0054
8410	0.063	0.439	0.079	-0.0107	-0.0006	-0.0054
8420	0.042	0.284	-0.121	-0.0103	0.0004	-0.0052
8430	0.054	-0.092	-0.055	-0.0075	0.0257	-0.0254
8440	0.022	-0.048	-0.025	-0.0070	0.0153	-0.0268
8445	-0.000	-0.000	-0.000	-0.0069	0.0107	-0.0270
8449	-0.063	0.136	-0.002	-0.0079	-0.0090	-0.0230
8450	-0.058	0.137	-0.033	-0.0102	-0.0049	-0.0211
8451	-0.045	0.095	0.019	-0.0067	0.0036	-0.0267
8460	-0.057	0.135	-0.035	-0.0102	-0.0049	-0.0211
8470	-0.050	0.122	-0.052	-0.0102	-0.0049	-0.0211
8480	-0.023	0.064	-0.124	-0.0103	-0.0048	-0.0210
8490	-0.017	0.050	-0.140	-0.0103	-0.0047	-0.0209
8500	-0.000	-0.000	-0.196	-0.0128	-0.0028	-0.0193
8510	0.008	-0.119	-0.297	-0.0155	0.0003	-0.0163
8518	0.004	-0.189	-0.356	-0.0145	0.0014	-0.0145
8519	0.007	-0.197	-0.385	-0.0032	0.0071	-0.0115
8520	0.015	-0.173	-0.388	0.0102	0.0101	-0.0051
8530	-0.000	0.195	-0.000	0.0084	0.0173	0.0094
8538	-0.543	0.600	0.040	0.0016	0.0253	0.0179
8539	-0.565	0.636	0.026	0.0044	0.0251	0.0146
8540	-0.553	0.670	-0.020	0.0043	0.0277	0.0112
8550	-0.511	0.708	-0.118	0.0052	0.0286	0.0106
8560	-0.482	0.732	-0.184	0.0058	0.0293	0.0102
8570	-0.243	0.682	-0.082	0.0064	0.0297	0.0103
8578	-0.108	0.653	-0.024	0.0064	0.0291	0.0104
8579	-0.028	0.621	0.005	0.0052	0.0194	0.0068
8580	0.000	0.580	0.005	0.0062	0.0147	-0.0005
8590	-0.000	0.569	-0.000	0.0063	0.0143	-0.0007
8600	-0.003	0.538	-0.020	0.0054	0.0132	-0.0010
8610	-0.004	0.516	-0.030	0.0052	0.0131	-0.0010
8620	-0.017	0.351	-0.086	0.0031	0.0128	-0.0009
8630	-0.019	0.328	-0.091	0.0028	0.0127	-0.0009
8640	-0.020	0.297	-0.088	-0.0027	0.0115	0.0001
8648	-0.555	0.746	-0.216	0.0056	0.0291	0.0100
8649	-0.614	0.766	-0.280	0.0006	0.0223	0.0077
8650	-0.602	0.779	-0.345	-0.0021	0.0137	0.0024
8658	-0.568	0.785	-0.381	-0.0026	0.0131	0.0020
8659	-0.535	0.767	-0.402	-0.0063	0.0052	-0.0050

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.545	0.722	-0.380	-0.0123	0.0020	-0.0114
8690	-0.017	0.266	-0.073	-0.0063	0.0109	0.0012
8700	-0.012	0.235	-0.049	-0.0100	0.0096	0.0024
8710	-0.008	0.216	-0.033	-0.0100	0.0095	0.0024
9120	0.007	0.295	-0.111	-0.0057	0.0080	-0.0020
9130	0.026	0.290	-0.120	-0.0101	0.0008	-0.0050
9190	0.002	0.161	0.005	-0.0029	0.0069	0.0012
9200	-0.000	0.177	-0.000	-0.0067	0.0082	0.0019
9210	-0.004	0.193	-0.015	-0.0100	0.0094	0.0024
9220	-0.008	0.213	-0.031	-0.0100	0.0095	0.0024
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
9550	0.001	0.365	0.727	0.0001	0.0004	0.0003
9560	0.003	0.364	0.763	0.0004	0.0012	0.0010
9570	0.005	0.364	0.782	0.0004	0.0014	0.0012
10020	0.006	0.364	0.782	0.0003	0.0014	0.0012
10030	0.008	0.363	0.802	0.0004	0.0015	0.0015
10040	0.014	0.361	0.824	0.0022	0.0035	0.0064
10050	0.020	0.358	0.843	0.0023	0.0035	0.0066
10060	0.025	0.354	0.863	0.0024	0.0035	0.0068
10068	0.032	0.348	0.885	0.0045	0.0022	0.0117
10069	0.034	0.308	0.892	0.0284	-0.0117	0.0146
10070	0.063	0.257	0.830	0.0428	-0.0149	0.0278
10078	0.115	0.235	0.754	0.0428	-0.0199	0.0291
10079	0.164	0.187	0.654	0.0433	-0.0276	0.0288
10080	0.160	0.132	0.547	0.0457	-0.0471	0.0182
10090	0.015	-0.049	0.000	0.0262	-0.0374	0.0140
10100	-0.118	-0.182	-0.247	0.0083	-0.0103	0.0097
10108	-0.141	-0.200	-0.267	0.0083	-0.0105	0.0090
10109	-0.165	-0.197	-0.277	0.0104	-0.0059	-0.0029
10110	-0.159	-0.168	-0.254	0.0189	-0.0013	-0.0121
10120	-0.157	-0.167	-0.252	0.0189	-0.0012	-0.0122
10130	-0.138	-0.147	-0.222	0.0190	-0.0012	-0.0122
10140	-0.027	-0.031	-0.046	0.0189	-0.0008	-0.0116
10150	-0.009	-0.011	-0.017	0.0187	-0.0007	-0.0114
10160	-0.000	-0.000	-0.000	0.0148	-0.0000	-0.0088
10170	0.010	0.033	0.020	0.0038	0.0021	-0.0027
10180	0.011	0.055	0.020	-0.0016	0.0032	0.0007
10190	0.010	0.075	0.017	-0.0018	0.0033	0.0009
10200	0.007	0.108	0.012	-0.0019	0.0034	0.0010
10210	0.019	0.115	0.058	-0.0019	0.0033	0.0010
10220	0.035	0.124	0.117	-0.0019	0.0033	0.0010
10230	0.004	0.142	0.007	-0.0021	0.0034	0.0012
10240	-0.127	-0.192	-0.225	0.0039	-0.0015	0.0075

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.118	-0.193	-0.205	-0.0050	0.0155	0.0024
10260	-0.099	-0.187	-0.190	-0.0052	0.0159	0.0023
10270	-0.007	-0.156	-0.119	-0.0059	0.0170	0.0017
10280	0.013	-0.149	-0.104	-0.0060	0.0171	0.0015
10290	0.034	-0.139	-0.089	-0.0118	0.0178	-0.0148
10300	0.055	-0.125	-0.075	-0.0119	0.0177	-0.0151
10310	0.087	-0.104	-0.052	-0.0119	0.0173	-0.0156
10320	0.062	-0.072	-0.017	-0.0118	0.0167	-0.0157
10330	0.029	0.023	0.016	0.0040	0.0034	-0.0082
10338	0.144	-0.075	-0.026	0.0052	0.0034	0.0006
10339	0.147	-0.056	-0.026	0.0064	0.0000	0.0316
10340	0.109	-0.028	-0.018	0.0083	-0.0017	0.0498
10345	0.000	-0.001	0.000	0.0089	-0.0035	0.0436
10350	0.000	0.176	-0.000	-0.0218	-0.0155	-0.0379
10358	0.092	0.203	-0.059	-0.0269	-0.0173	-0.0420
10359	0.124	0.229	-0.089	-0.0195	-0.0149	-0.0295
10360	0.121	0.251	-0.106	-0.0108	-0.0019	-0.0061
10370	0.120	0.251	-0.106	-0.0104	-0.0017	-0.0058
10380	0.104	0.259	-0.108	-0.0103	-0.0016	-0.0057
10390	0.075	0.272	-0.111	-0.0099	-0.0010	-0.0054
10400	0.070	0.315	-0.057	-0.0099	-0.0011	-0.0054
10410	0.057	0.429	0.088	-0.0099	-0.0012	-0.0054
10420	0.045	0.284	-0.113	-0.0096	-0.0003	-0.0052
10430	0.047	-0.054	0.003	-0.0118	0.0160	-0.0158
10440	0.022	-0.029	0.008	-0.0112	-0.0023	-0.0164
10445	-0.000	-0.000	-0.000	-0.0111	-0.0101	-0.0163
10449	-0.111	0.155	-0.312	-0.0112	-0.0281	-0.0124
10450	-0.087	0.143	-0.353	-0.0112	-0.0076	-0.0118
10451	-0.113	0.138	-0.238	-0.0106	-0.0337	-0.0150
10460	-0.086	0.142	-0.355	-0.0112	-0.0074	-0.0118
10470	-0.076	0.127	-0.372	-0.0112	-0.0074	-0.0117
10480	-0.035	0.063	-0.444	-0.0112	-0.0072	-0.0117
10490	-0.025	0.048	-0.461	-0.0112	-0.0071	-0.0117
10500	0.000	-0.000	-0.516	-0.0110	-0.0048	-0.0108
10510	0.026	-0.083	-0.617	-0.0089	-0.0020	-0.0092
10518	0.032	-0.119	-0.675	-0.0062	-0.0008	-0.0083
10519	0.035	-0.106	-0.695	0.0105	0.0044	-0.0060
10520	0.037	-0.070	-0.669	0.0270	0.0067	-0.0018
10525	-0.000	0.250	-0.000	0.0163	0.0140	0.0073
10530	-0.036	0.302	0.050	0.0099	0.0152	0.0100
10538	-0.532	0.708	0.128	0.0064	0.0246	0.0189
10539	-0.564	0.750	0.134	0.0184	0.0216	0.0253
10540	-0.562	0.814	0.110	0.0217	0.0209	0.0305
10550	-0.452	1.085	-0.082	0.0300	0.0226	0.0293
10560	-0.423	1.150	-0.134	0.0321	0.0231	0.0282
10570	-0.233	0.884	-0.032	0.0335	0.0240	0.0248
10578	-0.123	0.730	0.026	0.0330	0.0239	0.0229
10579	-0.041	0.636	0.031	0.0214	0.0153	0.0174
10580	-0.001	0.581	0.007	0.0077	0.0085	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.569	-0.000	0.0075	0.0083	0.0002
10600	-0.001	0.539	-0.022	0.0057	0.0077	-0.0008
10610	-0.003	0.516	-0.032	0.0055	0.0077	-0.0008
10620	-0.014	0.351	-0.090	0.0032	0.0075	-0.0008
10630	-0.016	0.329	-0.095	0.0029	0.0074	-0.0008
10640	-0.017	0.298	-0.092	-0.0028	0.0068	-0.0000
10648	-0.481	1.231	-0.165	0.0315	0.0228	0.0287
10649	-0.523	1.333	-0.223	0.0185	0.0171	0.0247
10650	-0.505	1.411	-0.278	0.0128	0.0118	0.0180
10658	-0.471	1.461	-0.310	0.0108	0.0116	0.0175
10659	-0.426	1.478	-0.342	0.0040	0.0034	0.0021
10660	-0.435	1.437	-0.328	-0.0149	-0.0030	-0.0187
10690	-0.015	0.266	-0.076	-0.0067	0.0064	0.0010
10700	-0.011	0.236	-0.051	-0.0103	0.0054	0.0021
10710	-0.007	0.216	-0.034	-0.0104	0.0054	0.0021
11120	0.010	0.296	-0.107	-0.0055	0.0051	-0.0020
11130	0.029	0.291	-0.113	-0.0094	0.0000	-0.0050
11190	0.002	0.161	0.004	-0.0023	0.0035	0.0012
11200	-0.000	0.177	-0.000	-0.0066	0.0044	0.0018
11210	-0.003	0.194	-0.015	-0.0103	0.0053	0.0022
11220	-0.007	0.213	-0.032	-0.0104	0.0054	0.0021
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
11550	0.001	0.365	0.727	0.0001	0.0004	0.0003
11560	0.003	0.364	0.763	0.0003	0.0012	0.0010
11570	0.005	0.364	0.782	0.0004	0.0014	0.0012
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
13550	0.001	0.365	0.727	0.0001	0.0004	0.0003
13560	0.003	0.364	0.763	0.0004	0.0012	0.0010
13570	0.005	0.364	0.782	0.0004	0.0014	0.0012
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
15550	0.001	0.365	0.727	0.0001	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 10 (OPE) W+T3+P1+WIN2

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.003	0.364	0.763	0.0004	0.0012	0.0010
15570	0.005	0.363	0.782	0.0005	0.0014	0.0012
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	0.0000
17550	0.001	0.365	0.727	0.0001	0.0004	0.0003
17560	0.003	0.364	0.763	0.0003	0.0012	0.0010
17570	0.006	0.364	0.782	0.0003	0.0014	0.0012
18000	-0.000	-0.000	-0.000	0.0000	-0.0000	-0.0000
18010	-0.000	-0.001	0.172	0.0001	-0.0000	-0.0001
18020	-0.001	-0.003	0.451	0.0001	-0.0000	-0.0002
18022	0.067	-0.004	0.451	0.0001	0.0000	-0.0003
18025	0.067	-0.004	0.451	0.0001	0.0000	-0.0003
18027	0.089	-0.006	0.450	0.0004	0.0006	-0.0008
18030	0.112	-0.007	0.449	0.0004	0.0006	-0.0008
18040	-0.002	-0.006	0.726	0.0001	-0.0001	-0.0002
18042	-0.002	-0.006	0.726	0.0001	-0.0001	-0.0002
18045	-0.003	-0.006	0.748	0.0003	-0.0002	-0.0004
18050	-0.003	-0.007	0.771	0.0003	-0.0002	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	-0.018	0.069	0.837	-0.0013	-0.0002	0.0005
19550	-0.023	0.158	0.825	-0.0014	-0.0001	0.0005
19560	-0.023	0.158	0.825	-0.0014	-0.0001	0.0005
19580	-0.024	0.168	0.823	-0.0014	0.0001	0.0006
19600	-0.025	0.185	0.820	-0.0014	0.0001	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.365	0.782	0.0002	0.0016	0.0013
30	0.009	0.364	0.802	0.0002	0.0017	0.0015
40	0.016	0.363	0.824	0.0017	0.0040	0.0064
50	0.022	0.360	0.843	0.0017	0.0040	0.0067
60	0.028	0.358	0.863	0.0018	0.0040	0.0069
68	0.036	0.353	0.885	0.0038	0.0028	0.0118
69	0.040	0.315	0.893	0.0267	-0.0104	0.0150
70	0.072	0.265	0.835	0.0412	-0.0134	0.0284
78	0.125	0.243	0.761	0.0413	-0.0184	0.0297
79	0.174	0.195	0.664	0.0433	-0.0266	0.0290
80	0.171	0.140	0.558	0.0465	-0.0473	0.0184
90	0.026	-0.044	0.000	0.0290	-0.0396	0.0143
95	-0.058	-0.136	-0.211	0.0189	-0.0231	0.0122
100	-0.107	-0.180	-0.283	0.0130	-0.0139	0.0099
108	-0.130	-0.198	-0.309	0.0135	-0.0145	0.0093
109	-0.155	-0.197	-0.327	0.0148	-0.0144	-0.0021
110	-0.150	-0.168	-0.304	0.0227	-0.0117	-0.0115
120	-0.148	-0.167	-0.301	0.0228	-0.0116	-0.0115
130	-0.130	-0.147	-0.266	0.0228	-0.0116	-0.0115
140	-0.026	-0.031	-0.055	0.0226	-0.0115	-0.0110
150	-0.009	-0.011	-0.020	0.0222	-0.0115	-0.0108
160	-0.000	-0.000	-0.000	0.0176	-0.0114	-0.0083
170	0.010	0.032	0.024	0.0045	-0.0109	-0.0026
180	0.011	0.055	0.024	-0.0019	-0.0116	0.0007
190	0.010	0.074	0.021	-0.0021	-0.0116	0.0008
200	0.007	0.108	0.015	-0.0023	-0.0117	0.0010
210	-0.035	0.116	0.061	-0.0023	-0.0117	0.0010
220	-0.090	0.127	0.120	-0.0023	-0.0117	0.0010
230	0.004	0.141	0.008	-0.0025	-0.0117	0.0011
240	-0.122	-0.198	-0.261	0.0082	-0.0045	0.0070
250	-0.117	-0.205	-0.241	-0.0013	0.0141	0.0004
260	-0.100	-0.203	-0.226	-0.0015	0.0146	0.0003
270	-0.015	-0.192	-0.155	-0.0022	0.0159	-0.0006
280	0.004	-0.189	-0.140	-0.0023	0.0160	-0.0007
290	0.026	-0.183	-0.126	-0.0089	0.0214	-0.0219
300	0.051	-0.173	-0.111	-0.0089	0.0214	-0.0222
310	0.090	-0.157	-0.088	-0.0090	0.0211	-0.0228
320	0.064	-0.110	-0.045	-0.0089	0.0206	-0.0231
330	0.029	0.023	0.037	0.0039	-0.0057	-0.0080
338	0.143	-0.075	0.005	0.0006	0.0071	0.0005
339	0.146	-0.055	-0.001	0.0006	0.0059	0.0315
340	0.109	-0.027	-0.003	0.0012	0.0049	0.0496
345	0.000	-0.000	0.000	0.0020	0.0035	0.0432
350	0.000	0.177	-0.000	-0.0104	-0.0062	-0.0368
358	0.090	0.205	-0.029	-0.0134	-0.0077	-0.0408
359	0.120	0.230	-0.045	-0.0114	-0.0074	-0.0288
360	0.118	0.252	-0.054	-0.0079	-0.0023	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.117	0.252	-0.054	-0.0077	-0.0023	-0.0057
380	0.101	0.260	-0.057	-0.0077	-0.0022	-0.0056
390	0.071	0.272	-0.062	-0.0075	-0.0019	-0.0053
400	0.063	0.305	-0.007	-0.0076	-0.0019	-0.0053
410	0.040	0.393	0.137	-0.0077	-0.0019	-0.0053
420	0.041	0.284	-0.066	-0.0073	-0.0018	-0.0050
430	0.050	-0.083	-0.021	-0.0089	0.0200	-0.0232
440	0.022	-0.044	-0.006	-0.0086	0.0051	-0.0247
444	-0.000	-0.000	-0.000	-0.0085	-0.0014	-0.0248
449	-0.094	0.200	-0.141	-0.0107	-0.0200	-0.0164
450	-0.078	0.187	-0.178	-0.0143	-0.0067	-0.0135
451	-0.087	0.169	-0.090	-0.0083	-0.0179	-0.0236
460	-0.077	0.186	-0.180	-0.0143	-0.0066	-0.0134
470	-0.068	0.166	-0.196	-0.0143	-0.0066	-0.0133
480	-0.032	0.085	-0.268	-0.0144	-0.0064	-0.0132
490	-0.023	0.066	-0.285	-0.0144	-0.0064	-0.0131
500	-0.000	-0.000	-0.340	-0.0160	-0.0045	-0.0105
510	0.027	-0.136	-0.442	-0.0167	-0.0029	-0.0058
518	0.041	-0.209	-0.500	-0.0146	-0.0034	-0.0031
519	0.051	-0.213	-0.527	0.0018	-0.0050	-0.0019
520	0.054	-0.183	-0.516	0.0193	-0.0044	0.0032
530	0.000	0.186	-0.000	0.0013	-0.0165	-0.0057
538	0.524	0.584	-0.639	-0.0276	-0.0298	-0.0215
539	0.575	0.590	-0.664	-0.0233	-0.0327	-0.0215
540	0.617	0.559	-0.613	-0.0200	-0.0406	-0.0206
550	0.707	0.418	-0.326	-0.0185	-0.0436	-0.0202
560	0.736	0.372	-0.226	-0.0180	-0.0446	-0.0199
570	0.373	0.512	-0.124	-0.0169	-0.0449	-0.0200
578	0.169	0.588	-0.066	-0.0162	-0.0436	-0.0200
579	0.050	0.610	-0.016	-0.0083	-0.0265	-0.0136
580	0.002	0.579	0.005	0.0053	-0.0189	-0.0019
590	0.000	0.568	-0.000	0.0057	-0.0183	-0.0017
600	-0.004	0.538	-0.020	0.0056	-0.0164	-0.0011
610	-0.006	0.515	-0.030	0.0055	-0.0163	-0.0011
620	-0.019	0.350	-0.090	0.0034	-0.0157	-0.0009
630	-0.020	0.328	-0.095	0.0031	-0.0156	-0.0008
640	-0.021	0.297	-0.093	-0.0026	-0.0137	0.0002
648	0.848	0.327	-0.258	-0.0181	-0.0442	-0.0198
649	0.971	0.253	-0.252	-0.0174	-0.0308	-0.0191
650	1.036	0.184	-0.204	-0.0160	-0.0155	-0.0154
658	1.071	0.142	-0.164	-0.0158	-0.0147	-0.0150
659	1.097	0.095	-0.119	-0.0129	-0.0065	-0.0068
660	1.102	0.054	-0.081	-0.0113	-0.0048	-0.0016
670	1.091	-0.038	0.000	-0.0120	-0.0034	-0.0027
680	1.080	-0.081	0.042	-0.0126	-0.0027	-0.0043
690	-0.018	0.266	-0.077	-0.0066	-0.0134	0.0013
700	-0.012	0.235	-0.052	-0.0105	-0.0129	0.0025
705	0.882	0.000	-0.000	-0.0133	-0.0027	-0.0068
710	-0.008	0.216	-0.035	-0.0106	-0.0129	0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.128	-0.096	0.052	-0.0126	-0.0027	-0.0043
730	0.200	0.524	-0.027	-0.0157	0.0022	-0.0113
735	-0.000	0.716	-0.000	-0.0162	-0.0001	-0.0134
740	-0.334	1.096	-0.079	-0.0171	-0.0037	-0.0144
750	-0.657	1.430	-0.167	-0.0179	-0.0028	-0.0116
758	-0.705	1.473	-0.177	-0.0181	-0.0029	-0.0111
759	-0.766	1.465	-0.168	-0.0162	-0.0085	0.0044
760	-0.734	1.387	-0.128	-0.0091	-0.0125	0.0172
770	-0.562	1.264	-0.046	-0.0071	-0.0146	0.0175
775	-0.425	1.165	-0.000	-0.0038	-0.0162	0.0168
780	-0.292	1.062	0.011	-0.0006	-0.0180	0.0152
785	-0.000	0.771	0.000	-0.0012	-0.0247	0.0087
790	0.132	0.441	0.112	-0.0072	-0.0324	0.0021
792	0.168	0.154	0.293	-0.0074	-0.0390	0.0013
795	0.187	0.044	0.354	-0.0072	-0.0380	0.0021
797	0.196	-0.000	0.379	-0.0073	-0.0376	0.0023
798	0.272	-0.326	0.569	-0.0066	-0.0346	0.0019
799	0.320	-0.379	0.543	0.0082	-0.0292	-0.0093
800	0.403	-0.336	0.460	0.0172	-0.0164	-0.0152
808	0.438	-0.298	0.433	0.0171	-0.0161	-0.0156
809	0.459	-0.198	0.360	0.0113	-0.0025	-0.0141
810	0.396	-0.125	0.349	0.0071	0.0059	-0.0081
850	0.137	-0.006	0.447	0.0003	0.0007	-0.0008
860	0.114	-0.004	0.448	0.0003	0.0006	-0.0007
870	0.120	0.148	0.145	-0.0067	-0.0405	0.0010
875	0.075	0.144	-0.000	-0.0061	-0.0422	0.0005
878	-0.037	0.148	-0.394	-0.0046	-0.0447	-0.0009
879	-0.174	0.177	-0.567	-0.0045	-0.0333	-0.0057
880	-0.288	0.190	-0.556	0.0047	-0.0045	-0.0037
888	0.005	-0.460	0.261	0.0126	0.0112	-0.0111
889	0.109	-0.526	0.283	0.0067	0.0223	-0.0096
890	0.216	-0.578	0.191	0.0046	0.0261	-0.0080
899	0.290	-0.587	0.075	0.0030	0.0265	-0.0046
900	0.318	-0.532	0.026	-0.0016	0.0271	0.0045
902	-0.000	0.000	-0.000	0.0008	0.0209	0.0120
905	-0.550	0.447	-0.000	-0.0041	0.0157	0.0188
908	-0.809	0.619	-0.086	-0.0078	0.0137	0.0194
909	-0.861	0.708	-0.171	-0.0137	0.0140	0.0117
910	-0.816	0.757	-0.240	-0.0109	0.0030	-0.0020
920	-0.670	0.724	-0.258	-0.0118	0.0001	-0.0041
925	-0.000	0.373	-0.000	-0.0136	-0.0024	-0.0069
930	0.209	0.274	-0.005	-0.0142	0.0014	-0.0058
935	0.887	0.000	-0.000	-0.0122	-0.0015	-0.0027
940	1.090	-0.018	0.023	-0.0116	-0.0015	-0.0003
950	1.137	-0.018	0.029	-0.0116	-0.0015	-0.0003
960	-0.350	1.064	0.054	-0.0005	-0.0168	0.0143
968	-0.392	1.065	0.087	-0.0005	-0.0160	0.0137
969	-0.430	1.079	0.123	0.0009	-0.0022	0.0076
970	-0.435	1.113	0.144	0.0041	0.0037	-0.0029

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.362	1.322	0.238	0.0075	0.0103	-0.0054
979	-0.324	1.347	0.257	0.0124	0.0109	-0.0108
980	-0.273	1.323	0.230	0.0110	0.0198	-0.0154
985	-0.136	1.154	-0.000	0.0141	0.0242	-0.0158
988	0.052	0.924	-0.379	0.0183	0.0258	-0.0157
989	0.108	0.855	-0.420	0.0207	0.0123	-0.0182
990	0.132	0.764	-0.392	0.0279	-0.0049	-0.0206
1000	0.082	0.540	-0.293	0.0292	-0.0081	-0.0204
1010	0.071	0.501	-0.277	0.0293	-0.0086	-0.0203
1012	0.057	0.454	-0.256	0.0293	-0.0087	-0.0203
1016	-0.004	0.252	-0.169	0.0293	-0.0088	-0.0203
1020	-0.018	0.205	-0.149	0.0293	-0.0089	-0.0203
1029	-0.051	0.107	-0.089	0.0238	-0.0220	-0.0180
1030	-0.040	0.038	-0.021	0.0207	-0.0068	-0.0122
1035	-0.000	0.000	-0.000	0.0198	-0.0028	-0.0117
1040	0.040	-0.035	-0.002	0.0190	0.0018	-0.0111
1045	0.073	-0.070	-0.008	0.0177	0.0065	-0.0104
1050	0.090	-0.085	-0.018	0.0177	0.0066	-0.0103
1070	0.237	0.567	-0.081	-0.0158	0.0013	-0.0105
1080	1.087	0.025	-0.015	-0.0111	-0.0023	0.0012
1090	0.229	0.317	-0.055	-0.0150	0.0005	-0.0059
1100	-0.618	1.473	-0.228	-0.0174	-0.0029	-0.0115
1110	-0.653	0.767	-0.300	-0.0122	0.0007	-0.0053
1120	0.006	0.295	-0.074	-0.0045	-0.0070	-0.0018
1130	0.025	0.291	-0.069	-0.0072	-0.0019	-0.0049
1190	0.002	0.161	0.004	-0.0027	-0.0118	0.0012
1200	-0.000	0.177	-0.000	-0.0069	-0.0123	0.0020
1210	-0.004	0.193	-0.016	-0.0105	-0.0128	0.0025
1220	-0.008	0.213	-0.032	-0.0106	-0.0129	0.0025
1230	0.000	-0.001	0.771	0.0000	-0.0001	-0.0004
1240	-0.000	-0.001	0.794	0.0001	-0.0001	-0.0004
1248	-0.011	-0.017	1.004	0.0025	-0.0001	-0.0054
1249	-0.008	-0.096	1.033	0.0215	0.0047	-0.0061
1250	-0.045	-0.208	0.919	0.0355	0.0038	-0.0141
1258	-0.224	-0.366	0.486	0.0355	0.0069	-0.0149
1259	-0.261	-0.452	0.318	0.0312	0.0075	-0.0103
1260	-0.216	-0.509	0.208	0.0319	0.0148	-0.0027
1268	0.004	-0.551	-0.061	0.0280	0.0163	-0.0016
1269	0.061	-0.523	-0.105	0.0225	0.0255	0.0034
1270	0.066	-0.456	-0.091	0.0067	0.0318	0.0045
1275	0.000	-0.210	-0.000	0.0015	0.0336	0.0017
1280	0.050	0.144	0.002	0.0029	0.0362	-0.0034
1285	0.057	0.167	0.007	0.0029	0.0362	-0.0034
1290	0.064	0.190	0.013	0.0030	0.0362	-0.0034
1300	0.065	0.195	0.014	0.0032	0.0363	-0.0035
1310	0.067	0.200	0.015	0.0033	0.0363	-0.0035
1315	0.073	0.223	0.021	0.0034	0.0363	-0.0035
1320	0.080	0.246	0.028	0.0035	0.0363	-0.0035
1325	0.173	0.562	0.244	0.0115	0.0386	-0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.192	0.689	0.368	0.0117	0.0395	-0.0004
1329	0.128	0.724	0.475	0.0006	0.0352	0.0188
1330	0.024	0.623	0.613	-0.0056	0.0242	0.0317
1338	-0.028	0.490	0.714	-0.0071	0.0234	0.0318
1339	-0.034	0.330	0.793	-0.0034	0.0059	0.0219
1340	-0.005	0.240	0.810	-0.0019	0.0007	0.0007
1350	-0.004	0.236	0.811	-0.0019	0.0005	0.0006
1360	-0.003	0.213	0.815	-0.0019	0.0004	0.0006
1373	0.124	-0.112	-0.036	0.0175	0.0069	-0.0103
1376	0.105	-0.065	-0.070	0.0173	0.0070	-0.0101
1380	0.096	-0.043	-0.087	0.0172	0.0071	-0.0101
1390	0.082	-0.014	-0.109	0.0148	0.0082	-0.0089
1392	0.071	0.006	-0.127	0.0147	0.0082	-0.0089
1396	0.024	0.089	-0.199	0.0145	0.0083	-0.0088
1400	0.013	0.109	-0.216	0.0144	0.0083	-0.0088
1410	-0.037	0.173	-0.289	0.0078	0.0087	-0.0062
1418	-0.061	0.190	-0.323	0.0046	0.0086	-0.0051
1419	-0.077	0.167	-0.337	-0.0192	0.0046	-0.0022
1420	-0.077	0.123	-0.293	-0.0331	0.0015	0.0056
1425	0.000	0.000	-0.000	-0.0208	-0.0004	0.0108
1428	0.412	-0.352	-0.107	0.0141	-0.0058	0.0132
1429	0.417	-0.381	-0.137	0.0127	-0.0057	0.0017
1430	0.391	-0.382	-0.157	0.0118	-0.0052	-0.0093
1435	-0.188	0.000	-0.000	-0.0018	0.0091	-0.0034
1438	-0.260	0.019	0.047	-0.0034	0.0081	-0.0034
1439	-0.286	0.031	0.053	-0.0039	0.0078	-0.0049
1440	-0.299	0.046	0.036	-0.0049	0.0071	-0.0060
1448	-0.300	0.057	0.011	-0.0050	0.0074	-0.0065
1449	-0.298	0.065	-0.001	-0.0041	0.0069	-0.0079
1450	-0.290	0.077	-0.007	-0.0027	0.0066	-0.0101
1455	0.000	0.352	-0.000	0.0035	0.0091	-0.0174
1458	0.039	0.380	0.007	0.0048	0.0093	-0.0183
1459	0.074	0.421	0.028	0.0328	0.0072	-0.0258
1460	0.084	0.528	0.038	0.0686	0.0063	-0.0279
1470	-0.334	4.299	-0.529	0.0883	0.0137	-0.0525
1480	-0.359	4.455	-0.551	0.0881	0.0141	-0.0535
1490	-0.385	4.616	-0.575	0.0878	0.0146	-0.0545
1495	-0.300	4.636	-0.440	0.0866	0.0146	-0.0546
1497	-0.203	4.658	-0.289	0.0838	0.0146	-0.0550
1498	-1.091	7.957	-0.919	0.1483	0.0308	-0.1364
1499	-1.114	8.043	-0.942	0.1478	0.0275	-0.1413
1500	-0.000	4.704	0.000	0.0775	0.0146	-0.0557
1504	-0.412	4.778	-0.598	0.0891	0.0150	-0.0553
1505	-1.112	7.961	-0.971	0.1448	0.0228	-0.1553
1506	-0.440	4.939	-0.620	0.0925	0.0162	-0.0576
1508	-0.638	0.283	-0.525	0.1744	-0.0434	-0.2380
1509	-0.533	0.064	-0.415	0.1760	-0.0455	-0.2377
1510	-0.305	-0.016	-0.230	0.1784	-0.0463	-0.2368
1520	0.000	0.000	-0.000	0.1786	-0.0463	-0.2368

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.365	0.782	0.0002	0.0016	0.0013
2030	0.009	0.364	0.802	0.0002	0.0017	0.0015
2040	0.016	0.363	0.824	0.0016	0.0039	0.0064
2050	0.022	0.361	0.843	0.0016	0.0040	0.0066
2060	0.028	0.358	0.863	0.0017	0.0040	0.0069
2068	0.036	0.354	0.885	0.0037	0.0027	0.0118
2069	0.039	0.316	0.893	0.0267	-0.0108	0.0149
2070	0.070	0.266	0.835	0.0411	-0.0140	0.0281
2078	0.122	0.244	0.761	0.0412	-0.0190	0.0293
2079	0.171	0.196	0.664	0.0426	-0.0271	0.0286
2080	0.168	0.142	0.558	0.0455	-0.0475	0.0180
2090	0.022	-0.039	0.000	0.0271	-0.0391	0.0143
2100	-0.110	-0.178	-0.272	0.0103	-0.0126	0.0105
2108	-0.133	-0.198	-0.296	0.0106	-0.0129	0.0099
2109	-0.159	-0.197	-0.310	0.0127	-0.0097	-0.0019
2110	-0.153	-0.168	-0.285	0.0213	-0.0059	-0.0117
2120	-0.152	-0.167	-0.283	0.0213	-0.0058	-0.0118
2130	-0.133	-0.147	-0.250	0.0214	-0.0057	-0.0118
2140	-0.026	-0.031	-0.052	0.0212	-0.0055	-0.0112
2150	-0.009	-0.011	-0.019	0.0209	-0.0055	-0.0110
2160	-0.000	-0.000	-0.000	0.0166	-0.0050	-0.0085
2170	0.010	0.033	0.023	0.0042	-0.0036	-0.0026
2180	0.011	0.055	0.022	-0.0018	-0.0034	0.0007
2190	0.010	0.074	0.019	-0.0020	-0.0033	0.0008
2200	0.007	0.108	0.014	-0.0022	-0.0033	0.0010
2210	-0.005	0.116	0.060	-0.0022	-0.0033	0.0010
2220	-0.020	0.126	0.119	-0.0022	-0.0033	0.0010
2230	0.004	0.142	0.008	-0.0024	-0.0033	0.0011
2240	-0.123	-0.191	-0.250	0.0057	-0.0034	0.0080
2250	-0.117	-0.194	-0.230	-0.0036	0.0145	0.0023
2260	-0.099	-0.190	-0.215	-0.0038	0.0150	0.0021
2270	-0.012	-0.166	-0.144	-0.0045	0.0162	0.0014
2280	0.007	-0.161	-0.129	-0.0046	0.0163	0.0013
2290	0.029	-0.153	-0.115	-0.0102	0.0203	-0.0171
2300	0.052	-0.141	-0.100	-0.0103	0.0202	-0.0174
2310	0.089	-0.122	-0.077	-0.0103	0.0199	-0.0180
2320	0.064	-0.085	-0.037	-0.0102	0.0194	-0.0182
2330	0.029	0.023	0.026	0.0041	-0.0006	-0.0081
2338	0.143	-0.075	-0.013	0.0033	0.0052	0.0004
2339	0.146	-0.055	-0.015	0.0040	0.0028	0.0315
2340	0.109	-0.028	-0.012	0.0054	0.0014	0.0497
2345	0.000	-0.000	0.000	0.0060	-0.0002	0.0434
2350	0.000	0.176	-0.000	-0.0172	-0.0111	-0.0375
2358	0.091	0.204	-0.046	-0.0215	-0.0128	-0.0416
2359	0.123	0.230	-0.071	-0.0168	-0.0113	-0.0294
2360	0.120	0.252	-0.085	-0.0104	-0.0018	-0.0061
2370	0.119	0.252	-0.085	-0.0102	-0.0017	-0.0058
2380	0.103	0.260	-0.087	-0.0101	-0.0016	-0.0057
2390	0.074	0.272	-0.090	-0.0098	-0.0011	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.069	0.315	-0.036	-0.0099	-0.0011	-0.0054
2410	0.056	0.429	0.109	-0.0100	-0.0011	-0.0054
2420	0.044	0.285	-0.092	-0.0095	-0.0007	-0.0051
2430	0.049	-0.064	-0.014	-0.0101	0.0188	-0.0182
2440	0.022	-0.034	-0.002	-0.0095	0.0028	-0.0193
2445	-0.000	-0.000	-0.000	-0.0094	-0.0040	-0.0193
2449	-0.092	0.152	-0.169	-0.0101	-0.0219	-0.0137
2450	-0.075	0.142	-0.207	-0.0111	-0.0064	-0.0122
2451	-0.088	0.130	-0.113	-0.0088	-0.0213	-0.0181
2460	-0.074	0.140	-0.209	-0.0111	-0.0063	-0.0121
2470	-0.066	0.126	-0.226	-0.0111	-0.0062	-0.0121
2480	-0.031	0.063	-0.298	-0.0111	-0.0061	-0.0120
2490	-0.023	0.048	-0.315	-0.0111	-0.0060	-0.0120
2500	0.000	-0.000	-0.370	-0.0109	-0.0047	-0.0104
2510	0.033	-0.084	-0.472	-0.0094	-0.0036	-0.0074
2518	0.049	-0.123	-0.530	-0.0075	-0.0034	-0.0058
2519	0.058	-0.116	-0.553	0.0057	-0.0017	-0.0041
2520	0.062	-0.084	-0.538	0.0193	-0.0001	0.0006
2530	0.000	0.285	-0.000	0.0063	-0.0011	0.0016
2538	-0.004	0.687	-0.261	-0.0102	-0.0023	-0.0001
2539	0.005	0.711	-0.271	-0.0028	-0.0049	0.0012
2540	0.028	0.725	-0.259	0.0001	-0.0086	0.0020
2550	0.115	0.737	-0.199	0.0038	-0.0093	0.0015
2560	0.144	0.740	-0.178	0.0050	-0.0095	0.0011
2570	0.068	0.692	-0.076	0.0067	-0.0093	-0.0001
2578	0.026	0.659	-0.018	0.0071	-0.0088	-0.0007
2579	0.007	0.624	0.009	0.0069	-0.0049	-0.0000
2580	0.001	0.580	0.006	0.0067	-0.0041	-0.0008
2590	-0.000	0.569	-0.000	0.0067	-0.0039	-0.0009
2600	-0.002	0.539	-0.021	0.0056	-0.0033	-0.0009
2610	-0.004	0.516	-0.031	0.0055	-0.0033	-0.0009
2620	-0.016	0.351	-0.090	0.0033	-0.0031	-0.0008
2630	-0.017	0.329	-0.096	0.0030	-0.0031	-0.0008
2640	-0.018	0.298	-0.093	-0.0028	-0.0025	0.0001
2648	0.168	0.753	-0.209	0.0045	-0.0094	0.0013
2649	0.206	0.754	-0.236	-0.0037	-0.0068	-0.0012
2650	0.248	0.740	-0.238	-0.0063	-0.0024	-0.0036
2658	0.283	0.730	-0.232	-0.0073	-0.0021	-0.0037
2659	0.313	0.703	-0.222	-0.0084	0.0004	-0.0055
2660	0.307	0.659	-0.191	-0.0148	-0.0006	-0.0094
2690	-0.016	0.266	-0.077	-0.0067	-0.0026	0.0011
2700	-0.011	0.236	-0.051	-0.0105	-0.0029	0.0022
2710	-0.008	0.216	-0.035	-0.0105	-0.0029	0.0023
3120	0.009	0.296	-0.092	-0.0055	-0.0003	-0.0019
3130	0.028	0.291	-0.093	-0.0093	-0.0006	-0.0050
3190	0.002	0.161	0.004	-0.0026	-0.0033	0.0012
3200	-0.000	0.177	-0.000	-0.0068	-0.0031	0.0019
3210	-0.003	0.193	-0.015	-0.0105	-0.0029	0.0023
3220	-0.007	0.213	-0.032	-0.0105	-0.0029	0.0023

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.365	0.782	0.0002	0.0016	0.0013
4030	0.009	0.364	0.802	0.0002	0.0017	0.0015
4040	0.016	0.363	0.824	0.0016	0.0040	0.0064
4050	0.022	0.360	0.843	0.0017	0.0040	0.0067
4060	0.028	0.358	0.863	0.0018	0.0040	0.0069
4068	0.036	0.353	0.885	0.0038	0.0028	0.0118
4069	0.040	0.315	0.893	0.0267	-0.0104	0.0150
4070	0.072	0.266	0.835	0.0412	-0.0135	0.0284
4078	0.125	0.243	0.761	0.0413	-0.0184	0.0296
4079	0.174	0.195	0.664	0.0433	-0.0267	0.0290
4080	0.171	0.141	0.558	0.0465	-0.0473	0.0183
4090	0.025	-0.043	0.000	0.0289	-0.0396	0.0143
4100	-0.107	-0.180	-0.282	0.0129	-0.0139	0.0099
4108	-0.130	-0.198	-0.308	0.0134	-0.0144	0.0094
4109	-0.155	-0.197	-0.326	0.0148	-0.0142	-0.0020
4110	-0.150	-0.168	-0.303	0.0226	-0.0114	-0.0115
4120	-0.149	-0.167	-0.300	0.0227	-0.0114	-0.0115
4130	-0.131	-0.147	-0.265	0.0227	-0.0114	-0.0115
4140	-0.026	-0.031	-0.054	0.0225	-0.0113	-0.0110
4150	-0.009	-0.011	-0.020	0.0222	-0.0113	-0.0108
4160	-0.000	-0.000	-0.000	0.0176	-0.0111	-0.0083
4170	0.010	0.032	0.024	0.0045	-0.0105	-0.0026
4180	0.011	0.055	0.024	-0.0019	-0.0112	0.0007
4190	0.010	0.074	0.021	-0.0021	-0.0113	0.0008
4200	0.007	0.108	0.014	-0.0023	-0.0113	0.0010
4210	-0.034	0.116	0.061	-0.0023	-0.0113	0.0010
4220	-0.087	0.127	0.120	-0.0023	-0.0113	0.0010
4230	0.004	0.141	0.008	-0.0025	-0.0114	0.0011
4240	-0.122	-0.197	-0.260	0.0082	-0.0044	0.0071
4250	-0.117	-0.204	-0.240	-0.0013	0.0142	0.0005
4260	-0.100	-0.202	-0.225	-0.0015	0.0146	0.0003
4270	-0.015	-0.192	-0.155	-0.0023	0.0159	-0.0005
4280	0.005	-0.189	-0.140	-0.0023	0.0160	-0.0007
4290	0.027	-0.182	-0.125	-0.0089	0.0213	-0.0218
4300	0.051	-0.172	-0.111	-0.0090	0.0213	-0.0221
4310	0.090	-0.156	-0.087	-0.0090	0.0210	-0.0227
4320	0.064	-0.110	-0.045	-0.0089	0.0205	-0.0230
4330	0.029	0.023	0.036	0.0040	-0.0055	-0.0080
4338	0.143	-0.075	0.004	0.0007	0.0070	0.0004
4339	0.146	-0.055	-0.002	0.0008	0.0058	0.0315
4340	0.109	-0.027	-0.003	0.0014	0.0048	0.0496
4345	0.000	-0.000	0.000	0.0022	0.0033	0.0433
4350	0.000	0.177	-0.000	-0.0107	-0.0064	-0.0369
4358	0.090	0.205	-0.030	-0.0138	-0.0079	-0.0409
4359	0.121	0.230	-0.046	-0.0117	-0.0075	-0.0289
4360	0.118	0.252	-0.056	-0.0081	-0.0023	-0.0060
4370	0.117	0.252	-0.056	-0.0079	-0.0022	-0.0057
4380	0.101	0.260	-0.059	-0.0078	-0.0022	-0.0056
4390	0.071	0.272	-0.064	-0.0077	-0.0019	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.063	0.306	-0.009	-0.0078	-0.0019	-0.0053
4410	0.041	0.396	0.136	-0.0079	-0.0019	-0.0053
4420	0.042	0.284	-0.068	-0.0075	-0.0018	-0.0050
4430	0.050	-0.083	-0.021	-0.0089	0.0200	-0.0231
4440	0.022	-0.043	-0.006	-0.0086	0.0049	-0.0246
4445	-0.000	-0.000	-0.000	-0.0086	-0.0016	-0.0247
4449	-0.094	0.199	-0.143	-0.0107	-0.0201	-0.0165
4450	-0.078	0.187	-0.180	-0.0143	-0.0067	-0.0135
4451	-0.087	0.169	-0.091	-0.0083	-0.0181	-0.0235
4460	-0.077	0.185	-0.182	-0.0143	-0.0066	-0.0135
4470	-0.068	0.166	-0.199	-0.0143	-0.0065	-0.0134
4480	-0.032	0.085	-0.270	-0.0143	-0.0064	-0.0133
4490	-0.023	0.066	-0.287	-0.0144	-0.0063	-0.0132
4500	-0.000	-0.000	-0.343	-0.0159	-0.0045	-0.0107
4510	0.027	-0.135	-0.444	-0.0165	-0.0030	-0.0060
4518	0.041	-0.207	-0.502	-0.0145	-0.0033	-0.0033
4519	0.051	-0.210	-0.529	0.0019	-0.0048	-0.0021
4520	0.054	-0.181	-0.518	0.0193	-0.0041	0.0031
4530	0.000	0.188	-0.000	0.0016	-0.0155	-0.0054
4538	0.494	0.586	-0.618	-0.0266	-0.0283	-0.0202
4539	0.543	0.594	-0.642	-0.0220	-0.0312	-0.0199
4540	0.583	0.567	-0.592	-0.0187	-0.0389	-0.0187
4550	0.673	0.439	-0.318	-0.0170	-0.0417	-0.0181
4560	0.702	0.398	-0.222	-0.0164	-0.0427	-0.0179
4570	0.355	0.525	-0.120	-0.0153	-0.0429	-0.0181
4578	0.160	0.594	-0.062	-0.0146	-0.0417	-0.0183
4579	0.046	0.611	-0.014	-0.0072	-0.0253	-0.0123
4580	0.002	0.580	0.005	0.0054	-0.0183	-0.0018
4590	0.000	0.568	-0.000	0.0058	-0.0176	-0.0016
4600	-0.004	0.538	-0.020	0.0056	-0.0158	-0.0011
4610	-0.005	0.515	-0.030	0.0055	-0.0157	-0.0011
4620	-0.018	0.351	-0.090	0.0034	-0.0152	-0.0009
4630	-0.020	0.328	-0.096	0.0031	-0.0151	-0.0008
4640	-0.021	0.297	-0.093	-0.0026	-0.0132	0.0002
4648	0.809	0.356	-0.254	-0.0166	-0.0424	-0.0176
4649	0.928	0.289	-0.250	-0.0163	-0.0296	-0.0169
4650	0.992	0.228	-0.204	-0.0148	-0.0147	-0.0128
4658	1.027	0.193	-0.166	-0.0148	-0.0139	-0.0124
4659	1.056	0.154	-0.125	-0.0118	-0.0057	-0.0036
4660	1.071	0.117	-0.090	-0.0105	-0.0039	0.0021
4690	-0.018	0.266	-0.077	-0.0066	-0.0130	0.0013
4700	-0.012	0.235	-0.052	-0.0106	-0.0125	0.0025
4710	-0.008	0.216	-0.035	-0.0106	-0.0124	0.0025
5120	0.006	0.295	-0.075	-0.0046	-0.0067	-0.0018
5130	0.025	0.291	-0.070	-0.0073	-0.0019	-0.0049
5190	0.002	0.161	0.004	-0.0027	-0.0114	0.0012
5200	-0.000	0.177	-0.000	-0.0069	-0.0119	0.0020
5210	-0.004	0.193	-0.016	-0.0106	-0.0124	0.0025
5220	-0.008	0.213	-0.032	-0.0106	-0.0124	0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.365	0.782	0.0002	0.0016	0.0013
6030	0.009	0.364	0.802	0.0002	0.0017	0.0015
6040	0.016	0.363	0.824	0.0016	0.0039	0.0064
6050	0.022	0.360	0.843	0.0017	0.0040	0.0067
6060	0.028	0.358	0.863	0.0018	0.0040	0.0069
6068	0.036	0.353	0.885	0.0038	0.0027	0.0118
6069	0.039	0.315	0.893	0.0267	-0.0107	0.0149
6070	0.071	0.266	0.835	0.0410	-0.0139	0.0283
6078	0.123	0.243	0.761	0.0411	-0.0188	0.0295
6079	0.172	0.196	0.664	0.0427	-0.0270	0.0289
6080	0.169	0.141	0.559	0.0457	-0.0475	0.0183
6090	0.024	-0.043	0.000	0.0275	-0.0394	0.0144
6100	-0.109	-0.180	-0.275	0.0109	-0.0127	0.0100
6108	-0.132	-0.198	-0.299	0.0111	-0.0129	0.0094
6109	-0.157	-0.197	-0.312	0.0133	-0.0091	-0.0022
6110	-0.152	-0.168	-0.287	0.0214	-0.0051	-0.0116
6120	-0.150	-0.167	-0.284	0.0215	-0.0050	-0.0116
6130	-0.132	-0.147	-0.251	0.0215	-0.0050	-0.0117
6140	-0.026	-0.031	-0.052	0.0213	-0.0047	-0.0111
6150	-0.009	-0.011	-0.019	0.0210	-0.0046	-0.0109
6160	-0.000	-0.000	-0.000	0.0166	-0.0041	-0.0084
6170	0.010	0.033	0.023	0.0043	-0.0025	-0.0026
6180	0.011	0.055	0.022	-0.0018	-0.0020	0.0007
6190	0.010	0.075	0.019	-0.0020	-0.0020	0.0008
6200	0.007	0.108	0.014	-0.0022	-0.0020	0.0010
6210	-0.000	0.116	0.060	-0.0022	-0.0020	0.0010
6220	-0.009	0.126	0.119	-0.0022	-0.0020	0.0010
6230	0.004	0.142	0.008	-0.0024	-0.0019	0.0011
6240	-0.122	-0.194	-0.253	0.0065	-0.0036	0.0074
6250	-0.116	-0.199	-0.233	-0.0024	0.0143	0.0013
6260	-0.099	-0.196	-0.218	-0.0026	0.0148	0.0011
6270	-0.013	-0.179	-0.148	-0.0033	0.0160	0.0003
6280	0.007	-0.175	-0.133	-0.0034	0.0161	0.0002
6290	0.028	-0.168	-0.118	-0.0095	0.0206	-0.0195
6300	0.052	-0.157	-0.104	-0.0096	0.0206	-0.0199
6310	0.089	-0.139	-0.080	-0.0096	0.0203	-0.0204
6320	0.064	-0.098	-0.039	-0.0096	0.0197	-0.0206
6330	0.029	0.023	0.024	0.0042	0.0002	-0.0081
6338	0.143	-0.075	-0.016	0.0038	0.0050	0.0004
6339	0.146	-0.055	-0.018	0.0045	0.0024	0.0315
6340	0.109	-0.028	-0.013	0.0060	0.0010	0.0497
6345	0.000	-0.000	0.000	0.0067	-0.0007	0.0433
6350	0.000	0.176	-0.000	-0.0183	-0.0118	-0.0373
6358	0.091	0.204	-0.049	-0.0228	-0.0135	-0.0414
6359	0.122	0.230	-0.076	-0.0177	-0.0118	-0.0293
6360	0.119	0.252	-0.089	-0.0109	-0.0016	-0.0061
6370	0.118	0.252	-0.090	-0.0106	-0.0015	-0.0058
6380	0.102	0.259	-0.092	-0.0105	-0.0013	-0.0057
6390	0.073	0.272	-0.094	-0.0102	-0.0009	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.069	0.317	-0.040	-0.0103	-0.0009	-0.0054
6410	0.059	0.435	0.105	-0.0104	-0.0009	-0.0054
6420	0.043	0.285	-0.096	-0.0099	-0.0004	-0.0051
6430	0.049	-0.074	-0.016	-0.0095	0.0192	-0.0207
6440	0.022	-0.039	-0.003	-0.0093	0.0035	-0.0221
6445	-0.000	-0.000	-0.000	-0.0092	-0.0032	-0.0223
6449	-0.093	0.180	-0.161	-0.0107	-0.0212	-0.0164
6450	-0.076	0.170	-0.199	-0.0131	-0.0064	-0.0143
6451	-0.088	0.152	-0.106	-0.0090	-0.0203	-0.0214
6460	-0.075	0.168	-0.200	-0.0131	-0.0063	-0.0143
6470	-0.067	0.150	-0.217	-0.0131	-0.0063	-0.0142
6480	-0.031	0.076	-0.289	-0.0131	-0.0061	-0.0141
6490	-0.023	0.059	-0.306	-0.0131	-0.0061	-0.0141
6500	0.000	-0.000	-0.361	-0.0138	-0.0049	-0.0123
6510	0.035	-0.113	-0.463	-0.0135	-0.0040	-0.0090
6518	0.053	-0.172	-0.521	-0.0116	-0.0039	-0.0071
6519	0.064	-0.171	-0.546	0.0027	-0.0021	-0.0052
6520	0.069	-0.142	-0.536	0.0181	-0.0003	0.0002
6530	0.000	0.227	-0.000	0.0071	-0.0016	0.0028
6538	-0.037	0.629	-0.246	-0.0115	-0.0031	-0.0004
6539	-0.024	0.651	-0.261	-0.0078	-0.0046	-0.0027
6540	0.003	0.654	-0.256	-0.0063	-0.0069	-0.0049
6550	0.090	0.617	-0.208	-0.0045	-0.0073	-0.0054
6560	0.119	0.605	-0.192	-0.0039	-0.0073	-0.0054
6570	0.061	0.628	-0.090	-0.0022	-0.0070	-0.0052
6578	0.029	0.636	-0.032	-0.0015	-0.0067	-0.0051
6579	0.010	0.620	0.002	0.0023	-0.0031	-0.0037
6580	0.001	0.580	0.005	0.0063	-0.0015	-0.0012
6590	-0.000	0.569	-0.000	0.0064	-0.0014	-0.0012
6600	-0.003	0.539	-0.021	0.0055	-0.0011	-0.0010
6610	-0.005	0.516	-0.031	0.0054	-0.0011	-0.0010
6620	-0.017	0.351	-0.089	0.0032	-0.0010	-0.0008
6630	-0.018	0.329	-0.094	0.0030	-0.0010	-0.0008
6640	-0.019	0.298	-0.091	-0.0027	-0.0006	0.0001
6648	0.137	0.595	-0.223	-0.0043	-0.0074	-0.0054
6649	0.173	0.565	-0.250	-0.0112	-0.0073	-0.0079
6650	0.216	0.524	-0.247	-0.0133	-0.0055	-0.0101
6658	0.251	0.496	-0.232	-0.0139	-0.0053	-0.0101
6659	0.276	0.454	-0.207	-0.0137	-0.0020	-0.0084
6660	0.271	0.409	-0.165	-0.0152	-0.0014	-0.0061
6690	-0.017	0.266	-0.075	-0.0066	-0.0008	0.0012
6700	-0.012	0.236	-0.050	-0.0103	-0.0012	0.0023
6710	-0.008	0.216	-0.034	-0.0103	-0.0012	0.0023
7120	0.008	0.296	-0.094	-0.0056	0.0009	-0.0019
7130	0.027	0.291	-0.096	-0.0097	-0.0003	-0.0050
7190	0.002	0.161	0.004	-0.0026	-0.0019	0.0012
7200	-0.000	0.177	-0.000	-0.0067	-0.0016	0.0019
7210	-0.004	0.194	-0.015	-0.0103	-0.0012	0.0023
7220	-0.007	0.213	-0.032	-0.0103	-0.0012	0.0023

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	0.0000	0.0004	0.0003
7560	0.004	0.365	0.763	0.0001	0.0014	0.0010
7570	0.006	0.365	0.782	0.0002	0.0016	0.0013
8020	0.006	0.364	0.782	0.0002	0.0016	0.0013
8030	0.009	0.364	0.802	0.0002	0.0017	0.0015
8040	0.016	0.363	0.824	0.0016	0.0039	0.0065
8050	0.022	0.360	0.843	0.0017	0.0040	0.0067
8060	0.028	0.358	0.863	0.0017	0.0040	0.0069
8068	0.036	0.353	0.885	0.0035	0.0027	0.0119
8069	0.039	0.318	0.894	0.0243	-0.0106	0.0151
8070	0.072	0.270	0.843	0.0370	-0.0136	0.0288
8078	0.125	0.248	0.776	0.0370	-0.0185	0.0301
8079	0.176	0.200	0.687	0.0390	-0.0269	0.0299
8080	0.174	0.143	0.584	0.0426	-0.0486	0.0194
8090	0.028	-0.050	0.000	0.0256	-0.0434	0.0145
8100	-0.104	-0.182	-0.325	0.0101	-0.0157	0.0094
8108	-0.127	-0.200	-0.354	0.0105	-0.0150	0.0088
8109	-0.152	-0.197	-0.363	0.0150	-0.0042	-0.0024
8110	-0.147	-0.168	-0.327	0.0245	0.0017	-0.0113
8120	-0.145	-0.167	-0.324	0.0246	0.0018	-0.0113
8130	-0.128	-0.147	-0.286	0.0246	0.0019	-0.0113
8140	-0.025	-0.031	-0.059	0.0243	0.0024	-0.0107
8150	-0.009	-0.011	-0.021	0.0239	0.0024	-0.0105
8160	-0.000	-0.000	-0.000	0.0190	0.0033	-0.0081
8170	0.009	0.033	0.027	0.0049	0.0060	-0.0025
8180	0.010	0.055	0.026	-0.0021	0.0077	0.0007
8190	0.009	0.075	0.022	-0.0023	0.0078	0.0008
8200	0.007	0.108	0.016	-0.0025	0.0079	0.0010
8210	0.036	0.118	0.062	-0.0025	0.0079	0.0010
8220	0.073	0.129	0.121	-0.0025	0.0079	0.0010
8230	0.004	0.142	0.009	-0.0027	0.0080	0.0011
8240	-0.122	-0.195	-0.303	0.0057	-0.0061	0.0068
8250	-0.120	-0.199	-0.284	-0.0029	0.0131	0.0008
8260	-0.104	-0.195	-0.269	-0.0031	0.0135	0.0007
8270	-0.024	-0.176	-0.198	-0.0038	0.0150	-0.0001
8280	-0.006	-0.171	-0.183	-0.0038	0.0151	-0.0002
8290	0.017	-0.164	-0.169	-0.0086	0.0256	-0.0193
8300	0.046	-0.154	-0.154	-0.0086	0.0257	-0.0197
8310	0.093	-0.138	-0.131	-0.0086	0.0256	-0.0202
8320	0.068	-0.097	-0.079	-0.0085	0.0252	-0.0204
8330	0.028	0.023	0.017	0.0052	0.0064	-0.0080
8338	0.143	-0.075	-0.036	0.0073	0.0034	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.055	-0.034	0.0087	-0.0006	0.0313
8340	0.109	-0.028	-0.024	0.0109	-0.0025	0.0495
8345	0.000	-0.001	0.000	0.0114	-0.0044	0.0433
8350	0.000	0.176	-0.000	-0.0262	-0.0172	-0.0377
8358	0.092	0.203	-0.070	-0.0323	-0.0192	-0.0419
8359	0.124	0.229	-0.107	-0.0239	-0.0163	-0.0297
8360	0.121	0.251	-0.125	-0.0138	-0.0009	-0.0062
8370	0.120	0.252	-0.125	-0.0134	-0.0007	-0.0059
8380	0.104	0.259	-0.126	-0.0132	-0.0005	-0.0057
8390	0.075	0.272	-0.127	-0.0128	0.0002	-0.0054
8400	0.075	0.328	-0.072	-0.0129	0.0002	-0.0054
8410	0.078	0.476	0.073	-0.0130	0.0002	-0.0054
8420	0.045	0.285	-0.125	-0.0124	0.0010	-0.0052
8430	0.053	-0.073	-0.050	-0.0085	0.0248	-0.0205
8440	0.022	-0.039	-0.022	-0.0077	0.0139	-0.0217
8445	-0.000	-0.000	-0.000	-0.0076	0.0091	-0.0218
8449	-0.061	0.109	-0.012	-0.0078	-0.0102	-0.0189
8450	-0.056	0.108	-0.044	-0.0083	-0.0046	-0.0179
8451	-0.045	0.077	0.011	-0.0072	0.0016	-0.0215
8460	-0.055	0.107	-0.046	-0.0083	-0.0045	-0.0179
8470	-0.049	0.096	-0.063	-0.0083	-0.0045	-0.0178
8480	-0.024	0.049	-0.135	-0.0083	-0.0044	-0.0178
8490	-0.018	0.037	-0.152	-0.0084	-0.0044	-0.0177
8500	0.000	-0.000	-0.207	-0.0088	-0.0041	-0.0165
8510	0.032	-0.072	-0.309	-0.0086	-0.0035	-0.0143
8518	0.046	-0.109	-0.367	-0.0075	-0.0026	-0.0131
8519	0.055	-0.106	-0.392	0.0013	0.0033	-0.0102
8520	0.064	-0.079	-0.389	0.0115	0.0065	-0.0039
8530	-0.000	0.289	-0.000	0.0082	0.0169	0.0107
8538	-0.585	0.694	0.071	0.0042	0.0283	0.0207
8539	-0.612	0.733	0.062	0.0091	0.0278	0.0171
8540	-0.601	0.770	0.014	0.0094	0.0309	0.0124
8550	-0.559	0.813	-0.095	0.0110	0.0320	0.0115
8560	-0.531	0.838	-0.169	0.0120	0.0328	0.0110
8570	-0.265	0.736	-0.067	0.0132	0.0329	0.0110
8578	-0.116	0.675	-0.009	0.0132	0.0320	0.0111
8579	-0.030	0.627	0.013	0.0099	0.0209	0.0069
8580	0.000	0.581	0.006	0.0067	0.0160	-0.0005
8590	-0.000	0.569	-0.000	0.0067	0.0156	-0.0006
8600	-0.002	0.539	-0.021	0.0054	0.0144	-0.0009
8610	-0.004	0.516	-0.030	0.0053	0.0143	-0.0009
8620	-0.015	0.352	-0.087	0.0031	0.0139	-0.0008
8630	-0.016	0.329	-0.092	0.0028	0.0139	-0.0008
8640	-0.017	0.298	-0.089	-0.0028	0.0127	0.0000
8648	-0.613	0.868	-0.201	0.0116	0.0327	0.0108
8649	-0.682	0.902	-0.269	0.0042	0.0253	0.0076
8650	-0.673	0.916	-0.340	0.0007	0.0152	0.0015
8658	-0.639	0.920	-0.381	-0.0001	0.0146	0.0011
8659	-0.607	0.901	-0.407	-0.0045	0.0056	-0.0042

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.609	0.858	-0.387	-0.0120	0.0019	-0.0063
8690	-0.015	0.266	-0.073	-0.0064	0.0120	0.0010
8700	-0.011	0.236	-0.049	-0.0100	0.0107	0.0021
8710	-0.007	0.216	-0.033	-0.0101	0.0107	0.0021
9120	0.009	0.296	-0.113	-0.0066	0.0088	-0.0019
9130	0.029	0.291	-0.123	-0.0121	0.0014	-0.0050
9190	0.002	0.162	0.005	-0.0029	0.0081	0.0011
9200	-0.000	0.177	-0.000	-0.0067	0.0094	0.0018
9210	-0.003	0.194	-0.015	-0.0100	0.0106	0.0021
9220	-0.007	0.213	-0.031	-0.0101	0.0107	0.0021
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	0.0000	0.0004	0.0003
9560	0.004	0.365	0.763	0.0001	0.0014	0.0010
9570	0.006	0.365	0.782	0.0002	0.0016	0.0013
10020	0.006	0.365	0.782	0.0001	0.0016	0.0013
10030	0.009	0.364	0.802	0.0002	0.0017	0.0015
10040	0.016	0.363	0.824	0.0015	0.0039	0.0064
10050	0.022	0.361	0.843	0.0016	0.0039	0.0066
10060	0.028	0.358	0.863	0.0017	0.0039	0.0069
10068	0.036	0.354	0.885	0.0037	0.0026	0.0118
10069	0.038	0.316	0.893	0.0270	-0.0114	0.0147
10070	0.068	0.266	0.834	0.0415	-0.0147	0.0277
10078	0.120	0.244	0.759	0.0415	-0.0198	0.0290
10079	0.168	0.197	0.662	0.0421	-0.0278	0.0281
10080	0.164	0.143	0.556	0.0446	-0.0477	0.0174
10090	0.019	-0.033	0.000	0.0249	-0.0380	0.0143
10100	-0.114	-0.176	-0.252	0.0069	-0.0105	0.0113
10108	-0.137	-0.197	-0.272	0.0070	-0.0106	0.0106
10109	-0.163	-0.197	-0.282	0.0097	-0.0048	-0.0018
10110	-0.157	-0.168	-0.258	0.0192	0.0003	-0.0120
10120	-0.155	-0.167	-0.256	0.0193	0.0004	-0.0121
10130	-0.136	-0.147	-0.226	0.0193	0.0005	-0.0121
10140	-0.027	-0.031	-0.047	0.0192	0.0009	-0.0115
10150	-0.009	-0.011	-0.017	0.0190	0.0009	-0.0113
10160	-0.000	-0.000	-0.000	0.0150	0.0017	-0.0087
10170	0.010	0.033	0.021	0.0039	0.0039	-0.0026
10180	0.011	0.055	0.020	-0.0016	0.0053	0.0007
10190	0.010	0.075	0.017	-0.0018	0.0053	0.0009
10200	0.007	0.109	0.012	-0.0020	0.0054	0.0010
10210	0.027	0.116	0.058	-0.0020	0.0054	0.0010
10220	0.052	0.125	0.117	-0.0020	0.0054	0.0010
10230	0.004	0.142	0.007	-0.0021	0.0055	0.0011
10240	-0.123	-0.183	-0.230	0.0022	-0.0018	0.0093

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.116	-0.181	-0.210	-0.0069	0.0151	0.0048
10260	-0.097	-0.173	-0.195	-0.0072	0.0155	0.0047
10270	-0.007	-0.131	-0.125	-0.0078	0.0166	0.0041
10280	0.012	-0.121	-0.110	-0.0079	0.0167	0.0040
10290	0.034	-0.110	-0.095	-0.0125	0.0182	-0.0105
10300	0.054	-0.095	-0.080	-0.0125	0.0182	-0.0107
10310	0.088	-0.072	-0.057	-0.0125	0.0178	-0.0111
10320	0.062	-0.050	-0.021	-0.0124	0.0172	-0.0113
10330	0.029	0.023	0.014	0.0042	0.0048	-0.0081
10338	0.144	-0.075	-0.031	0.0061	0.0032	0.0004
10339	0.147	-0.055	-0.030	0.0075	-0.0005	0.0315
10340	0.109	-0.028	-0.021	0.0097	-0.0023	0.0498
10345	0.000	-0.001	0.000	0.0102	-0.0041	0.0435
10350	0.000	0.176	-0.000	-0.0243	-0.0162	-0.0382
10358	0.094	0.203	-0.065	-0.0300	-0.0180	-0.0426
10359	0.126	0.230	-0.099	-0.0224	-0.0155	-0.0301
10360	0.123	0.252	-0.117	-0.0131	-0.0013	-0.0061
10370	0.122	0.252	-0.117	-0.0128	-0.0011	-0.0059
10380	0.106	0.260	-0.118	-0.0126	-0.0009	-0.0057
10390	0.077	0.273	-0.120	-0.0123	-0.0003	-0.0054
10400	0.075	0.326	-0.065	-0.0123	-0.0003	-0.0054
10410	0.072	0.468	0.080	-0.0124	-0.0003	-0.0054
10420	0.047	0.285	-0.120	-0.0118	0.0004	-0.0051
10430	0.047	-0.037	-0.001	-0.0123	0.0165	-0.0113
10440	0.022	-0.021	0.005	-0.0113	-0.0012	-0.0116
10445	-0.000	-0.000	-0.000	-0.0110	-0.0088	-0.0114
10449	-0.112	0.102	-0.293	-0.0097	-0.0267	-0.0083
10450	-0.090	0.092	-0.333	-0.0076	-0.0075	-0.0086
10451	-0.113	0.093	-0.222	-0.0098	-0.0318	-0.0098
10460	-0.089	0.091	-0.335	-0.0076	-0.0074	-0.0086
10470	-0.079	0.081	-0.352	-0.0075	-0.0074	-0.0086
10480	-0.038	0.038	-0.424	-0.0075	-0.0072	-0.0085
10490	-0.028	0.028	-0.441	-0.0074	-0.0072	-0.0085
10500	0.000	0.000	-0.496	-0.0052	-0.0064	-0.0080
10510	0.049	-0.022	-0.597	-0.0005	-0.0055	-0.0071
10518	0.072	-0.018	-0.655	0.0021	-0.0045	-0.0066
10519	0.079	0.007	-0.671	0.0151	0.0013	-0.0043
10520	0.081	0.046	-0.641	0.0269	0.0039	-0.0002
10525	-0.000	0.366	-0.000	0.0158	0.0138	0.0085
10530	-0.039	0.417	0.050	0.0100	0.0155	0.0107
10538	-0.606	0.824	0.199	0.0104	0.0283	0.0227
10539	-0.644	0.869	0.211	0.0234	0.0253	0.0272
10540	-0.643	0.933	0.184	0.0267	0.0256	0.0297
10550	-0.533	1.195	-0.054	0.0359	0.0281	0.0282
10560	-0.505	1.258	-0.119	0.0383	0.0289	0.0272
10570	-0.269	0.938	-0.017	0.0404	0.0294	0.0242
10578	-0.135	0.753	0.041	0.0400	0.0290	0.0225
10579	-0.043	0.641	0.039	0.0262	0.0183	0.0165
10580	-0.000	0.581	0.007	0.0082	0.0113	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.570	-0.000	0.0078	0.0111	0.0002
10600	-0.001	0.540	-0.022	0.0057	0.0103	-0.0007
10610	-0.002	0.517	-0.032	0.0055	0.0102	-0.0007
10620	-0.012	0.352	-0.091	0.0032	0.0100	-0.0008
10630	-0.014	0.330	-0.096	0.0029	0.0099	-0.0007
10640	-0.015	0.298	-0.092	-0.0029	0.0091	-0.0001
10648	-0.577	1.354	-0.150	0.0375	0.0287	0.0278
10649	-0.635	1.467	-0.214	0.0217	0.0219	0.0228
10650	-0.622	1.542	-0.279	0.0155	0.0142	0.0159
10658	-0.588	1.586	-0.317	0.0133	0.0138	0.0155
10659	-0.543	1.601	-0.356	0.0057	0.0040	0.0037
10660	-0.539	1.564	-0.344	-0.0146	-0.0030	-0.0101
10690	-0.013	0.267	-0.076	-0.0067	0.0086	0.0008
10700	-0.009	0.236	-0.051	-0.0104	0.0076	0.0019
10710	-0.006	0.217	-0.034	-0.0104	0.0076	0.0019
11120	0.012	0.296	-0.111	-0.0065	0.0066	-0.0020
11130	0.031	0.292	-0.119	-0.0116	0.0008	-0.0050
11190	0.002	0.162	0.004	-0.0023	0.0056	0.0012
11200	-0.000	0.178	-0.000	-0.0066	0.0065	0.0017
11210	-0.003	0.194	-0.015	-0.0103	0.0075	0.0019
11220	-0.006	0.214	-0.032	-0.0104	0.0076	0.0019
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	0.0000	0.0004	0.0003
11560	0.004	0.365	0.763	0.0001	0.0014	0.0010
11570	0.006	0.365	0.782	0.0002	0.0016	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	0.0000	0.0004	0.0003
13560	0.004	0.365	0.763	0.0001	0.0014	0.0010
13570	0.006	0.365	0.782	0.0002	0.0016	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	0.0000	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 11 (OPE) W+T3+P1+WIN3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.365	0.763	0.0001	0.0014	0.0010
15570	0.006	0.364	0.782	0.0002	0.0016	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	0.0000	0.0004	0.0003
17560	0.004	0.365	0.763	0.0001	0.0014	0.0010
17570	0.006	0.365	0.782	0.0001	0.0016	0.0013
18000	-0.000	-0.000	-0.000	0.0000	-0.0000	-0.0000
18010	-0.000	-0.000	0.172	0.0000	0.0000	-0.0001
18020	0.000	-0.001	0.451	0.0000	0.0000	-0.0002
18022	0.068	-0.002	0.450	0.0000	0.0001	-0.0002
18025	0.068	-0.002	0.450	0.0000	0.0001	-0.0002
18027	0.090	-0.003	0.449	0.0003	0.0006	-0.0007
18030	0.114	-0.004	0.448	0.0003	0.0006	-0.0007
18040	0.000	-0.001	0.726	0.0000	0.0000	-0.0002
18042	0.000	-0.001	0.726	0.0000	0.0000	-0.0002
18045	0.000	-0.001	0.748	0.0000	-0.0001	-0.0004
18050	0.000	-0.001	0.771	0.0000	-0.0001	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	0.003	0.097	0.837	-0.0018	0.0002	0.0004
19550	-0.002	0.185	0.820	-0.0018	0.0002	0.0005
19560	-0.002	0.185	0.820	-0.0018	0.0002	0.0005
19580	-0.002	0.195	0.818	-0.0019	0.0004	0.0006
19600	-0.003	0.213	0.815	-0.0019	0.0004	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.363	0.782	0.0007	0.0015	0.0013
30	0.008	0.362	0.802	0.0008	0.0017	0.0015
40	0.015	0.358	0.824	0.0031	0.0038	0.0065
50	0.021	0.353	0.843	0.0032	0.0038	0.0067
60	0.027	0.348	0.863	0.0033	0.0038	0.0069
68	0.035	0.340	0.885	0.0055	0.0026	0.0119
69	0.038	0.298	0.891	0.0287	-0.0102	0.0153
70	0.072	0.247	0.830	0.0421	-0.0129	0.0294
78	0.126	0.225	0.755	0.0422	-0.0178	0.0307
79	0.179	0.176	0.657	0.0439	-0.0258	0.0313
80	0.178	0.116	0.553	0.0471	-0.0464	0.0207
90	0.032	-0.083	0.000	0.0300	-0.0401	0.0138
95	-0.052	-0.163	-0.217	0.0200	-0.0242	0.0095
100	-0.101	-0.194	-0.294	0.0143	-0.0149	0.0063
108	-0.124	-0.206	-0.322	0.0147	-0.0153	0.0056
109	-0.146	-0.198	-0.340	0.0162	-0.0141	-0.0042
110	-0.140	-0.168	-0.313	0.0235	-0.0113	-0.0108
120	-0.138	-0.167	-0.310	0.0235	-0.0112	-0.0108
130	-0.122	-0.147	-0.274	0.0236	-0.0112	-0.0108
140	-0.024	-0.031	-0.056	0.0233	-0.0111	-0.0102
150	-0.008	-0.011	-0.020	0.0229	-0.0111	-0.0100
160	-0.000	-0.000	-0.000	0.0181	-0.0108	-0.0077
170	0.009	0.032	0.025	0.0046	-0.0101	-0.0024
180	0.010	0.054	0.025	-0.0020	-0.0106	0.0006
190	0.009	0.074	0.021	-0.0022	-0.0106	0.0007
200	0.007	0.108	0.015	-0.0024	-0.0107	0.0009
210	-0.032	0.116	0.061	-0.0024	-0.0107	0.0009
220	-0.082	0.127	0.120	-0.0024	-0.0107	0.0009
230	0.004	0.141	0.009	-0.0026	-0.0107	0.0010
240	-0.117	-0.214	-0.272	0.0097	-0.0054	0.0033
250	-0.113	-0.224	-0.252	0.0004	0.0134	-0.0036
260	-0.097	-0.224	-0.237	0.0002	0.0138	-0.0037
270	-0.016	-0.223	-0.167	-0.0006	0.0152	-0.0046
280	0.002	-0.222	-0.152	-0.0007	0.0153	-0.0048
290	0.024	-0.217	-0.137	-0.0086	0.0224	-0.0269
300	0.050	-0.207	-0.123	-0.0087	0.0224	-0.0273
310	0.091	-0.191	-0.099	-0.0088	0.0222	-0.0279
320	0.065	-0.134	-0.055	-0.0088	0.0217	-0.0281
330	0.028	0.023	0.036	0.0041	-0.0051	-0.0082
338	0.143	-0.075	0.003	0.0007	0.0068	0.0007
339	0.145	-0.055	-0.002	0.0008	0.0053	0.0316
340	0.108	-0.028	-0.003	0.0014	0.0043	0.0494
345	0.000	-0.001	0.000	0.0022	0.0027	0.0431
350	0.000	0.176	-0.000	-0.0105	-0.0079	-0.0373
358	0.091	0.204	-0.029	-0.0133	-0.0095	-0.0414
359	0.122	0.229	-0.045	-0.0096	-0.0087	-0.0289
360	0.119	0.251	-0.054	-0.0051	-0.0027	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.118	0.251	-0.054	-0.0049	-0.0026	-0.0057
380	0.102	0.258	-0.058	-0.0048	-0.0025	-0.0055
390	0.073	0.271	-0.064	-0.0046	-0.0022	-0.0053
400	0.063	0.291	-0.009	-0.0045	-0.0022	-0.0053
410	0.037	0.342	0.136	-0.0045	-0.0022	-0.0053
420	0.043	0.283	-0.068	-0.0045	-0.0021	-0.0051
430	0.051	-0.101	-0.029	-0.0087	0.0212	-0.0282
440	0.022	-0.053	-0.011	-0.0088	0.0076	-0.0297
444	-0.000	-0.000	-0.000	-0.0088	0.0016	-0.0298
449	-0.097	0.242	-0.107	-0.0119	-0.0174	-0.0208
450	-0.083	0.229	-0.143	-0.0172	-0.0070	-0.0172
451	-0.087	0.203	-0.063	-0.0090	-0.0138	-0.0285
460	-0.082	0.227	-0.145	-0.0172	-0.0069	-0.0171
470	-0.073	0.204	-0.162	-0.0172	-0.0069	-0.0170
480	-0.034	0.106	-0.233	-0.0173	-0.0067	-0.0169
490	-0.025	0.083	-0.250	-0.0174	-0.0067	-0.0168
500	-0.000	-0.000	-0.305	-0.0214	-0.0049	-0.0140
510	0.031	-0.196	-0.407	-0.0253	-0.0033	-0.0088
518	0.046	-0.310	-0.465	-0.0233	-0.0036	-0.0059
519	0.057	-0.328	-0.498	-0.0045	-0.0041	-0.0041
520	0.062	-0.303	-0.495	0.0164	-0.0028	0.0022
530	0.000	0.065	-0.000	0.0027	-0.0127	-0.0036
538	0.378	0.464	-0.548	-0.0241	-0.0236	-0.0150
539	0.415	0.476	-0.572	-0.0205	-0.0260	-0.0127
540	0.449	0.465	-0.533	-0.0178	-0.0324	-0.0087
550	0.538	0.409	-0.304	-0.0166	-0.0348	-0.0070
560	0.567	0.394	-0.224	-0.0162	-0.0356	-0.0064
570	0.279	0.521	-0.122	-0.0155	-0.0355	-0.0081
578	0.118	0.591	-0.064	-0.0149	-0.0343	-0.0091
579	0.031	0.610	-0.015	-0.0078	-0.0213	-0.0052
580	0.001	0.579	0.005	0.0054	-0.0167	-0.0011
590	0.000	0.568	-0.000	0.0057	-0.0161	-0.0011
600	-0.003	0.537	-0.020	0.0055	-0.0145	-0.0010
610	-0.005	0.515	-0.030	0.0054	-0.0144	-0.0010
620	-0.017	0.350	-0.089	0.0034	-0.0139	-0.0008
630	-0.018	0.328	-0.095	0.0031	-0.0139	-0.0008
640	-0.019	0.296	-0.093	-0.0025	-0.0122	0.0001
648	0.657	0.354	-0.256	-0.0163	-0.0352	-0.0056
649	0.758	0.303	-0.258	-0.0153	-0.0246	-0.0036
650	0.817	0.286	-0.223	-0.0131	-0.0119	0.0039
658	0.852	0.297	-0.192	-0.0133	-0.0113	0.0044
659	0.900	0.305	-0.157	-0.0117	-0.0049	0.0115
660	0.952	0.283	-0.119	-0.0134	-0.0042	0.0131
670	1.043	0.192	-0.021	-0.0145	-0.0026	0.0116
680	1.081	0.149	0.029	-0.0150	-0.0019	0.0100
690	-0.017	0.265	-0.077	-0.0066	-0.0120	0.0012
700	-0.012	0.235	-0.052	-0.0105	-0.0116	0.0023
705	0.882	-0.000	-0.000	-0.0156	-0.0020	0.0090
710	-0.008	0.215	-0.035	-0.0106	-0.0116	0.0023

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.128	0.187	0.037	-0.0150	-0.0019	0.0100
730	0.200	-0.172	-0.021	-0.0177	0.0020	-0.0073
735	0.000	0.001	-0.000	-0.0175	-0.0005	-0.0150
740	-0.333	0.551	-0.084	-0.0171	-0.0037	-0.0256
750	-0.657	1.265	-0.167	-0.0169	-0.0024	-0.0282
758	-0.704	1.371	-0.176	-0.0170	-0.0024	-0.0278
759	-0.793	1.437	-0.163	-0.0155	-0.0065	-0.0072
760	-0.788	1.374	-0.120	-0.0086	-0.0102	0.0175
770	-0.608	1.252	-0.043	-0.0067	-0.0118	0.0188
775	-0.459	1.154	-0.000	-0.0035	-0.0131	0.0184
780	-0.312	1.051	0.010	-0.0004	-0.0144	0.0168
785	-0.000	0.762	0.000	-0.0009	-0.0192	0.0079
790	0.076	0.435	0.086	-0.0055	-0.0246	0.0006
792	0.131	0.151	0.220	-0.0049	-0.0295	0.0063
795	0.186	0.043	0.260	-0.0054	-0.0287	0.0060
797	0.207	-0.000	0.279	-0.0061	-0.0284	0.0062
798	0.374	-0.327	0.483	-0.0082	-0.0263	0.0052
799	0.416	-0.385	0.470	0.0047	-0.0205	-0.0077
800	0.463	-0.359	0.393	0.0143	-0.0086	-0.0138
808	0.481	-0.327	0.366	0.0143	-0.0083	-0.0143
809	0.469	-0.237	0.307	0.0105	0.0034	-0.0138
810	0.397	-0.161	0.316	0.0072	0.0083	-0.0098
850	0.137	-0.012	0.446	0.0005	0.0009	-0.0010
860	0.114	-0.010	0.448	0.0004	0.0008	-0.0009
870	0.083	0.121	0.110	-0.0040	-0.0307	0.0081
875	0.038	0.088	-0.000	-0.0031	-0.0324	0.0092
878	-0.073	-0.002	-0.307	-0.0010	-0.0349	0.0105
879	-0.193	-0.075	-0.437	0.0039	-0.0246	0.0193
880	-0.269	-0.160	-0.410	0.0141	0.0030	0.0233
888	0.482	-0.954	0.408	0.0077	0.0178	0.0233
889	0.613	-0.918	0.420	-0.0019	0.0276	0.0265
890	0.730	-0.782	0.305	-0.0038	0.0302	0.0277
899	0.744	-0.636	0.159	-0.0039	0.0286	0.0230
900	0.677	-0.535	0.086	-0.0040	0.0277	0.0168
902	-0.000	-0.000	-0.000	0.0003	0.0212	0.0168
905	-0.618	0.445	-0.000	-0.0038	0.0157	0.0183
908	-0.860	0.616	-0.081	-0.0074	0.0136	0.0174
909	-0.883	0.690	-0.164	-0.0136	0.0140	0.0018
910	-0.816	0.685	-0.233	-0.0108	0.0030	-0.0129
920	-0.670	0.530	-0.252	-0.0119	0.0002	-0.0136
925	-0.000	-0.002	-0.000	-0.0148	-0.0025	-0.0063
930	0.209	-0.086	-0.003	-0.0157	0.0013	-0.0038
935	0.887	-0.000	-0.000	-0.0139	-0.0012	0.0052
940	1.090	0.092	0.018	-0.0133	-0.0011	0.0064
950	1.138	0.116	0.022	-0.0133	-0.0011	0.0064
960	-0.359	1.048	0.053	0.0010	-0.0138	0.0155
968	-0.394	1.044	0.086	0.0015	-0.0132	0.0145
969	-0.429	1.048	0.126	0.0052	-0.0014	0.0084
970	-0.431	1.076	0.157	0.0059	0.0051	-0.0056

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.291	1.285	0.267	0.0074	0.0102	-0.0114
979	-0.220	1.293	0.277	0.0076	0.0121	-0.0284
980	-0.145	1.207	0.240	0.0052	0.0210	-0.0412
985	-0.008	0.761	-0.000	0.0060	0.0250	-0.0410
988	0.181	0.194	-0.388	0.0070	0.0260	-0.0364
989	0.235	0.106	-0.426	0.0028	0.0097	-0.0233
990	0.248	0.080	-0.394	-0.0001	-0.0100	-0.0197
1000	0.155	0.079	-0.295	0.0004	-0.0134	-0.0158
1010	0.137	0.079	-0.278	0.0005	-0.0140	-0.0151
1012	0.115	0.078	-0.258	0.0005	-0.0140	-0.0151
1016	0.018	0.074	-0.170	0.0006	-0.0142	-0.0149
1020	-0.005	0.074	-0.150	0.0006	-0.0142	-0.0148
1029	-0.049	0.047	-0.087	0.0047	-0.0242	-0.0138
1030	-0.040	0.014	-0.017	0.0035	-0.0057	-0.0051
1035	-0.000	-0.000	-0.000	0.0047	-0.0015	-0.0043
1040	0.040	-0.012	-0.006	0.0059	0.0034	-0.0036
1045	0.074	-0.023	-0.017	0.0078	0.0084	-0.0027
1050	0.091	-0.027	-0.029	0.0079	0.0085	-0.0027
1070	0.225	-0.129	-0.082	-0.0182	0.0018	-0.0073
1080	1.065	0.135	-0.027	-0.0129	-0.0019	0.0081
1090	0.222	-0.043	-0.059	-0.0167	0.0008	-0.0040
1100	-0.564	1.307	-0.224	-0.0162	-0.0025	-0.0269
1110	-0.623	0.573	-0.294	-0.0123	0.0009	-0.0141
1120	0.008	0.294	-0.076	-0.0033	-0.0062	-0.0020
1130	0.027	0.290	-0.071	-0.0045	-0.0021	-0.0049
1190	0.002	0.161	0.005	-0.0028	-0.0107	0.0011
1200	-0.000	0.177	-0.000	-0.0069	-0.0111	0.0019
1210	-0.004	0.193	-0.016	-0.0105	-0.0115	0.0023
1220	-0.007	0.212	-0.032	-0.0106	-0.0116	0.0023
1230	0.002	-0.012	0.771	0.0005	-0.0000	-0.0004
1240	0.002	-0.013	0.794	0.0006	-0.0001	-0.0005
1248	-0.005	-0.070	1.004	0.0058	0.0002	-0.0054
1249	-0.002	-0.171	1.023	0.0268	0.0045	-0.0063
1250	-0.042	-0.294	0.887	0.0397	0.0032	-0.0151
1258	-0.234	-0.453	0.404	0.0395	0.0061	-0.0161
1259	-0.284	-0.545	0.222	0.0341	0.0061	-0.0144
1260	-0.248	-0.626	0.115	0.0343	0.0123	-0.0079
1268	-0.028	-0.754	-0.109	0.0303	0.0136	-0.0063
1269	0.035	-0.743	-0.137	0.0245	0.0231	0.0008
1270	0.048	-0.680	-0.110	0.0078	0.0298	0.0034
1275	0.000	-0.434	-0.000	0.0023	0.0317	0.0011
1280	0.050	-0.079	0.017	0.0032	0.0344	-0.0032
1285	0.056	-0.056	0.023	0.0032	0.0344	-0.0032
1290	0.063	-0.033	0.029	0.0033	0.0344	-0.0032
1300	0.064	-0.028	0.031	0.0035	0.0344	-0.0033
1310	0.065	-0.023	0.032	0.0036	0.0345	-0.0033
1315	0.072	-0.000	0.039	0.0037	0.0345	-0.0033
1320	0.078	0.023	0.046	0.0038	0.0345	-0.0033
1325	0.173	0.339	0.266	0.0116	0.0369	-0.0028

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.201	0.466	0.391	0.0118	0.0378	-0.0017
1329	0.159	0.512	0.496	0.0010	0.0338	0.0106
1330	0.074	0.464	0.630	-0.0050	0.0234	0.0186
1338	0.023	0.386	0.728	-0.0065	0.0227	0.0187
1339	-0.005	0.282	0.804	-0.0028	0.0058	0.0128
1340	0.002	0.205	0.819	-0.0013	0.0008	0.0004
1350	0.002	0.201	0.820	-0.0013	0.0006	0.0004
1360	0.003	0.178	0.822	-0.0013	0.0005	0.0004
1373	0.125	-0.034	-0.052	0.0082	0.0089	-0.0026
1376	0.100	-0.011	-0.087	0.0085	0.0091	-0.0026
1380	0.089	-0.000	-0.103	0.0086	0.0092	-0.0025
1390	0.071	0.017	-0.126	0.0104	0.0108	-0.0017
1392	0.055	0.032	-0.143	0.0105	0.0109	-0.0017
1396	-0.006	0.092	-0.215	0.0106	0.0110	-0.0016
1400	-0.022	0.106	-0.233	0.0106	0.0110	-0.0016
1410	-0.088	0.164	-0.305	0.0081	0.0116	0.0003
1418	-0.120	0.184	-0.339	0.0058	0.0115	0.0011
1419	-0.136	0.164	-0.355	-0.0175	0.0069	0.0038
1420	-0.127	0.121	-0.312	-0.0343	0.0037	0.0109
1425	0.000	-0.001	-0.000	-0.0233	0.0008	0.0162
1428	0.584	-0.354	0.014	0.0077	-0.0077	0.0195
1429	0.601	-0.387	-0.003	0.0038	-0.0071	0.0072
1430	0.579	-0.397	-0.019	0.0023	-0.0070	-0.0062
1435	-0.000	-0.000	-0.000	-0.0213	0.0056	0.0081
1438	-0.073	-0.072	0.027	-0.0242	0.0044	0.0139
1439	-0.106	-0.107	0.012	-0.0255	0.0019	0.0135
1440	-0.130	-0.133	-0.038	-0.0232	-0.0017	0.0075
1448	-0.138	-0.149	-0.089	-0.0224	-0.0014	0.0062
1449	-0.140	-0.149	-0.113	-0.0141	-0.0032	0.0025
1450	-0.139	-0.138	-0.125	-0.0043	-0.0039	-0.0025
1455	-0.000	0.134	0.000	0.0147	-0.0011	-0.0088
1458	0.019	0.162	0.035	0.0150	-0.0008	-0.0090
1459	0.038	0.191	0.044	-0.0008	-0.0008	-0.0101
1460	0.046	0.175	0.013	-0.0256	0.0006	-0.0100
1470	-0.089	-0.257	-0.537	0.0404	0.0059	-0.0152
1480	-0.100	-0.180	-0.559	0.0467	0.0061	-0.0154
1490	-0.111	-0.088	-0.582	0.0533	0.0064	-0.0156
1495	-0.087	-0.069	-0.492	0.0596	0.0064	-0.0157
1497	-0.059	-0.046	-0.372	0.0752	0.0064	-0.0159
1498	-0.457	0.327	-0.927	-0.0048	0.0154	-0.0257
1499	-0.466	0.313	-0.944	-0.0027	0.0134	-0.0255
1500	-0.000	0.000	-0.000	0.1100	0.0064	-0.0162
1504	-0.123	0.008	-0.605	0.0518	0.0066	-0.0157
1505	-0.459	0.288	-0.960	-0.0017	0.0102	-0.0256
1506	-0.135	0.097	-0.628	0.0478	0.0073	-0.0160
1508	0.015	-0.048	-0.150	0.0272	-0.0516	0.0102
1509	0.023	-0.033	-0.090	0.0287	-0.0536	0.0118
1510	0.016	-0.016	-0.040	0.0311	-0.0544	0.0125
1520	0.000	-0.000	-0.000	0.0313	-0.0544	0.0126

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.363	0.782	0.0007	0.0015	0.0013
2030	0.008	0.362	0.802	0.0008	0.0016	0.0015
2040	0.015	0.358	0.824	0.0031	0.0037	0.0064
2050	0.021	0.353	0.843	0.0032	0.0038	0.0067
2060	0.027	0.348	0.863	0.0033	0.0038	0.0069
2068	0.034	0.340	0.885	0.0056	0.0025	0.0118
2069	0.038	0.298	0.891	0.0286	-0.0104	0.0152
2070	0.071	0.247	0.831	0.0418	-0.0131	0.0293
2078	0.125	0.225	0.756	0.0419	-0.0179	0.0306
2079	0.177	0.175	0.658	0.0435	-0.0260	0.0314
2080	0.176	0.115	0.554	0.0467	-0.0465	0.0209
2090	0.031	-0.086	0.000	0.0295	-0.0402	0.0139
2100	-0.102	-0.196	-0.294	0.0138	-0.0143	0.0059
2108	-0.125	-0.207	-0.320	0.0138	-0.0143	0.0052
2109	-0.148	-0.198	-0.333	0.0159	-0.0094	-0.0046
2110	-0.141	-0.168	-0.303	0.0227	-0.0056	-0.0108
2120	-0.139	-0.167	-0.300	0.0228	-0.0055	-0.0108
2130	-0.122	-0.147	-0.265	0.0228	-0.0054	-0.0108
2140	-0.024	-0.031	-0.054	0.0225	-0.0051	-0.0103
2150	-0.008	-0.011	-0.020	0.0222	-0.0051	-0.0101
2160	-0.000	-0.000	-0.000	0.0175	-0.0045	-0.0078
2170	0.009	0.032	0.024	0.0045	-0.0027	-0.0025
2180	0.010	0.054	0.023	-0.0019	-0.0020	0.0006
2190	0.009	0.074	0.020	-0.0021	-0.0020	0.0008
2200	0.007	0.108	0.014	-0.0023	-0.0020	0.0009
2210	-0.000	0.116	0.060	-0.0023	-0.0020	0.0009
2220	-0.010	0.127	0.119	-0.0023	-0.0020	0.0009
2230	0.004	0.141	0.008	-0.0025	-0.0019	0.0011
2240	-0.117	-0.216	-0.272	0.0098	-0.0050	0.0028
2250	-0.114	-0.226	-0.252	0.0014	0.0135	-0.0043
2260	-0.097	-0.228	-0.237	0.0012	0.0139	-0.0045
2270	-0.016	-0.232	-0.167	0.0005	0.0152	-0.0054
2280	0.002	-0.233	-0.151	0.0004	0.0153	-0.0056
2290	0.024	-0.229	-0.137	-0.0080	0.0223	-0.0287
2300	0.050	-0.220	-0.122	-0.0081	0.0223	-0.0291
2310	0.091	-0.205	-0.099	-0.0082	0.0221	-0.0297
2320	0.065	-0.144	-0.054	-0.0082	0.0217	-0.0300
2330	0.028	0.023	0.026	0.0043	0.0001	-0.0082
2338	0.143	-0.075	-0.015	0.0035	0.0050	0.0007
2339	0.145	-0.056	-0.017	0.0043	0.0023	0.0316
2340	0.108	-0.028	-0.013	0.0057	0.0008	0.0494
2345	0.000	-0.001	0.000	0.0063	-0.0010	0.0430
2350	0.000	0.176	-0.000	-0.0175	-0.0126	-0.0371
2358	0.090	0.203	-0.047	-0.0216	-0.0144	-0.0411
2359	0.121	0.229	-0.072	-0.0150	-0.0125	-0.0287
2360	0.118	0.250	-0.085	-0.0075	-0.0018	-0.0060
2370	0.117	0.251	-0.085	-0.0073	-0.0016	-0.0058
2380	0.101	0.258	-0.087	-0.0071	-0.0015	-0.0056
2390	0.072	0.271	-0.090	-0.0068	-0.0010	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.067	0.300	-0.036	-0.0067	-0.0010	-0.0054
2410	0.055	0.377	0.109	-0.0067	-0.0010	-0.0054
2420	0.042	0.283	-0.092	-0.0066	-0.0005	-0.0051
2430	0.051	-0.109	-0.029	-0.0082	0.0212	-0.0301
2440	0.022	-0.057	-0.010	-0.0088	0.0075	-0.0321
2445	-0.000	-0.000	-0.000	-0.0090	0.0015	-0.0324
2449	-0.097	0.268	-0.108	-0.0127	-0.0173	-0.0246
2450	-0.083	0.256	-0.144	-0.0191	-0.0069	-0.0208
2451	-0.087	0.223	-0.064	-0.0097	-0.0140	-0.0318
2460	-0.082	0.254	-0.146	-0.0191	-0.0068	-0.0207
2470	-0.073	0.228	-0.163	-0.0192	-0.0068	-0.0206
2480	-0.035	0.119	-0.235	-0.0193	-0.0067	-0.0205
2490	-0.026	0.093	-0.252	-0.0194	-0.0066	-0.0204
2500	0.000	-0.000	-0.307	-0.0242	-0.0055	-0.0178
2510	0.039	-0.224	-0.408	-0.0292	-0.0046	-0.0131
2518	0.060	-0.357	-0.467	-0.0274	-0.0045	-0.0103
2519	0.075	-0.382	-0.502	-0.0083	-0.0027	-0.0079
2520	0.084	-0.360	-0.506	0.0139	-0.0005	-0.0004
2530	0.000	0.008	-0.000	0.0079	-0.0039	0.0037
2538	-0.028	0.409	-0.274	-0.0161	-0.0077	-0.0027
2539	-0.007	0.427	-0.302	-0.0194	-0.0071	-0.0087
2540	0.025	0.415	-0.304	-0.0202	-0.0075	-0.0131
2550	0.112	0.322	-0.252	-0.0219	-0.0078	-0.0129
2560	0.141	0.293	-0.235	-0.0225	-0.0076	-0.0123
2570	0.079	0.473	-0.133	-0.0221	-0.0076	-0.0110
2578	0.045	0.573	-0.075	-0.0215	-0.0074	-0.0102
2579	0.018	0.607	-0.021	-0.0114	-0.0036	-0.0079
2580	0.001	0.579	0.004	0.0049	-0.0009	-0.0016
2590	-0.000	0.568	-0.000	0.0053	-0.0008	-0.0015
2600	-0.003	0.537	-0.019	0.0052	-0.0006	-0.0011
2610	-0.005	0.515	-0.029	0.0051	-0.0006	-0.0011
2620	-0.018	0.350	-0.084	0.0032	-0.0005	-0.0009
2630	-0.019	0.328	-0.090	0.0029	-0.0005	-0.0008
2640	-0.020	0.297	-0.087	-0.0025	-0.0003	0.0001
2648	0.160	0.236	-0.266	-0.0226	-0.0075	-0.0125
2649	0.191	0.157	-0.296	-0.0229	-0.0045	-0.0128
2650	0.231	0.094	-0.302	-0.0227	-0.0020	-0.0127
2658	0.266	0.059	-0.297	-0.0225	-0.0018	-0.0126
2659	0.288	0.010	-0.270	-0.0214	0.0002	-0.0103
2660	0.278	-0.037	-0.214	-0.0189	0.0013	-0.0076
2690	-0.018	0.265	-0.072	-0.0062	-0.0005	0.0012
2700	-0.012	0.235	-0.048	-0.0099	-0.0010	0.0024
2710	-0.008	0.215	-0.033	-0.0099	-0.0010	0.0025
3120	0.007	0.294	-0.090	-0.0041	0.0010	-0.0020
3130	0.026	0.290	-0.093	-0.0065	-0.0004	-0.0050
3190	0.002	0.161	0.004	-0.0026	-0.0019	0.0011
3200	-0.000	0.177	-0.000	-0.0065	-0.0015	0.0019
3210	-0.004	0.193	-0.015	-0.0099	-0.0010	0.0025
3220	-0.008	0.212	-0.030	-0.0099	-0.0010	0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.363	0.782	0.0007	0.0015	0.0013
4030	0.008	0.362	0.802	0.0008	0.0017	0.0015
4040	0.015	0.358	0.824	0.0031	0.0038	0.0065
4050	0.021	0.353	0.843	0.0032	0.0038	0.0067
4060	0.027	0.348	0.863	0.0033	0.0038	0.0069
4068	0.035	0.340	0.885	0.0056	0.0026	0.0119
4069	0.038	0.298	0.891	0.0287	-0.0102	0.0153
4070	0.072	0.247	0.830	0.0421	-0.0129	0.0294
4078	0.126	0.225	0.755	0.0422	-0.0177	0.0308
4079	0.179	0.175	0.657	0.0439	-0.0258	0.0314
4080	0.178	0.115	0.553	0.0471	-0.0464	0.0207
4090	0.033	-0.084	0.000	0.0300	-0.0401	0.0138
4100	-0.100	-0.195	-0.295	0.0144	-0.0150	0.0062
4108	-0.123	-0.206	-0.323	0.0148	-0.0154	0.0055
4109	-0.146	-0.198	-0.341	0.0163	-0.0144	-0.0043
4110	-0.140	-0.168	-0.315	0.0236	-0.0116	-0.0107
4120	-0.138	-0.167	-0.312	0.0236	-0.0116	-0.0108
4130	-0.121	-0.147	-0.275	0.0237	-0.0116	-0.0108
4140	-0.024	-0.031	-0.057	0.0234	-0.0114	-0.0102
4150	-0.008	-0.011	-0.020	0.0230	-0.0114	-0.0100
4160	-0.000	-0.000	-0.000	0.0182	-0.0112	-0.0077
4170	0.009	0.032	0.025	0.0047	-0.0105	-0.0024
4180	0.010	0.054	0.025	-0.0020	-0.0111	0.0006
4190	0.009	0.074	0.021	-0.0022	-0.0112	0.0007
4200	0.007	0.108	0.015	-0.0024	-0.0112	0.0009
4210	-0.034	0.116	0.061	-0.0024	-0.0112	0.0009
4220	-0.086	0.127	0.120	-0.0024	-0.0112	0.0009
4230	0.004	0.141	0.009	-0.0026	-0.0113	0.0010
4240	-0.117	-0.215	-0.273	0.0098	-0.0055	0.0032
4250	-0.113	-0.225	-0.253	0.0004	0.0134	-0.0037
4260	-0.097	-0.225	-0.238	0.0002	0.0138	-0.0038
4270	-0.016	-0.223	-0.168	-0.0006	0.0152	-0.0047
4280	0.002	-0.223	-0.153	-0.0007	0.0153	-0.0049
4290	0.024	-0.218	-0.138	-0.0086	0.0225	-0.0270
4300	0.050	-0.208	-0.124	-0.0087	0.0225	-0.0274
4310	0.091	-0.192	-0.100	-0.0088	0.0223	-0.0280
4320	0.065	-0.135	-0.055	-0.0087	0.0218	-0.0283
4330	0.028	0.023	0.037	0.0041	-0.0054	-0.0082
4338	0.143	-0.075	0.004	0.0005	0.0070	0.0007
4339	0.145	-0.055	-0.001	0.0006	0.0055	0.0316
4340	0.108	-0.028	-0.003	0.0012	0.0045	0.0494
4345	0.000	-0.001	0.000	0.0019	0.0029	0.0431
4350	0.000	0.176	-0.000	-0.0101	-0.0076	-0.0373
4358	0.091	0.204	-0.028	-0.0128	-0.0092	-0.0414
4359	0.122	0.229	-0.043	-0.0092	-0.0085	-0.0289
4360	0.119	0.251	-0.052	-0.0048	-0.0027	-0.0059
4370	0.118	0.251	-0.052	-0.0047	-0.0026	-0.0057
4380	0.102	0.258	-0.056	-0.0046	-0.0026	-0.0055
4390	0.072	0.271	-0.062	-0.0044	-0.0023	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.062	0.290	-0.007	-0.0043	-0.0023	-0.0053
4410	0.036	0.338	0.138	-0.0042	-0.0023	-0.0053
4420	0.043	0.283	-0.067	-0.0043	-0.0022	-0.0050
4430	0.051	-0.102	-0.030	-0.0087	0.0213	-0.0284
4440	0.022	-0.053	-0.011	-0.0088	0.0077	-0.0298
4445	-0.000	-0.000	-0.000	-0.0088	0.0018	-0.0299
4449	-0.097	0.242	-0.105	-0.0119	-0.0172	-0.0207
4450	-0.083	0.229	-0.140	-0.0172	-0.0070	-0.0170
4451	-0.087	0.204	-0.061	-0.0090	-0.0135	-0.0286
4460	-0.082	0.227	-0.142	-0.0172	-0.0069	-0.0169
4470	-0.073	0.204	-0.159	-0.0172	-0.0069	-0.0169
4480	-0.034	0.106	-0.231	-0.0173	-0.0067	-0.0167
4490	-0.025	0.083	-0.248	-0.0174	-0.0067	-0.0167
4500	-0.000	-0.000	-0.303	-0.0214	-0.0049	-0.0138
4510	0.030	-0.197	-0.404	-0.0254	-0.0033	-0.0086
4518	0.045	-0.312	-0.463	-0.0235	-0.0036	-0.0056
4519	0.057	-0.330	-0.495	-0.0046	-0.0043	-0.0039
4520	0.062	-0.305	-0.493	0.0164	-0.0032	0.0024
4530	0.000	0.063	-0.000	0.0023	-0.0138	-0.0041
4538	0.416	0.461	-0.575	-0.0253	-0.0256	-0.0166
4539	0.456	0.473	-0.600	-0.0219	-0.0280	-0.0144
4540	0.491	0.458	-0.557	-0.0191	-0.0347	-0.0106
4550	0.581	0.389	-0.313	-0.0180	-0.0372	-0.0090
4560	0.610	0.369	-0.227	-0.0177	-0.0381	-0.0084
4570	0.302	0.508	-0.125	-0.0171	-0.0380	-0.0099
4578	0.129	0.586	-0.067	-0.0166	-0.0368	-0.0108
4579	0.035	0.609	-0.017	-0.0089	-0.0228	-0.0065
4580	0.001	0.579	0.005	0.0053	-0.0177	-0.0012
4590	0.000	0.568	-0.000	0.0057	-0.0170	-0.0012
4600	-0.003	0.537	-0.020	0.0055	-0.0153	-0.0010
4610	-0.005	0.515	-0.030	0.0054	-0.0153	-0.0010
4620	-0.017	0.350	-0.089	0.0034	-0.0147	-0.0008
4630	-0.018	0.328	-0.095	0.0031	-0.0147	-0.0008
4640	-0.020	0.296	-0.093	-0.0025	-0.0129	0.0001
4648	0.706	0.325	-0.259	-0.0177	-0.0377	-0.0077
4649	0.813	0.269	-0.259	-0.0160	-0.0265	-0.0056
4650	0.874	0.245	-0.220	-0.0136	-0.0129	0.0016
4658	0.909	0.250	-0.186	-0.0137	-0.0122	0.0022
4659	0.954	0.251	-0.150	-0.0116	-0.0049	0.0088
4660	0.997	0.226	-0.114	-0.0120	-0.0036	0.0097
4690	-0.017	0.265	-0.077	-0.0066	-0.0127	0.0012
4700	-0.012	0.235	-0.052	-0.0105	-0.0122	0.0023
4710	-0.008	0.215	-0.035	-0.0106	-0.0122	0.0024
5120	0.007	0.294	-0.074	-0.0032	-0.0067	-0.0020
5130	0.027	0.289	-0.069	-0.0043	-0.0022	-0.0049
5190	0.002	0.161	0.005	-0.0028	-0.0113	0.0011
5200	-0.000	0.177	-0.000	-0.0070	-0.0117	0.0019
5210	-0.004	0.193	-0.016	-0.0105	-0.0122	0.0024
5220	-0.007	0.212	-0.032	-0.0106	-0.0122	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.363	0.782	0.0007	0.0015	0.0013
6030	0.008	0.361	0.802	0.0008	0.0016	0.0015
6040	0.015	0.358	0.824	0.0032	0.0037	0.0064
6050	0.021	0.353	0.843	0.0033	0.0038	0.0067
6060	0.027	0.348	0.863	0.0034	0.0038	0.0069
6068	0.034	0.340	0.885	0.0056	0.0025	0.0119
6069	0.038	0.297	0.891	0.0287	-0.0104	0.0152
6070	0.071	0.246	0.831	0.0419	-0.0131	0.0293
6078	0.125	0.224	0.756	0.0419	-0.0179	0.0307
6079	0.177	0.175	0.658	0.0435	-0.0260	0.0315
6080	0.176	0.114	0.554	0.0466	-0.0465	0.0210
6090	0.031	-0.087	0.000	0.0294	-0.0402	0.0139
6100	-0.102	-0.197	-0.293	0.0136	-0.0143	0.0058
6108	-0.125	-0.207	-0.320	0.0136	-0.0142	0.0051
6109	-0.147	-0.198	-0.332	0.0158	-0.0092	-0.0047
6110	-0.140	-0.168	-0.303	0.0227	-0.0053	-0.0108
6120	-0.139	-0.167	-0.300	0.0227	-0.0052	-0.0108
6130	-0.122	-0.147	-0.264	0.0228	-0.0052	-0.0108
6140	-0.024	-0.031	-0.054	0.0225	-0.0049	-0.0102
6150	-0.008	-0.011	-0.019	0.0221	-0.0048	-0.0101
6160	-0.000	-0.000	-0.000	0.0175	-0.0042	-0.0078
6170	0.009	0.032	0.024	0.0045	-0.0024	-0.0024
6180	0.010	0.055	0.023	-0.0019	-0.0017	0.0006
6190	0.009	0.074	0.020	-0.0021	-0.0017	0.0007
6200	0.007	0.108	0.014	-0.0023	-0.0016	0.0009
6210	0.001	0.116	0.060	-0.0023	-0.0016	0.0009
6220	-0.007	0.127	0.119	-0.0023	-0.0016	0.0009
6230	0.004	0.141	0.008	-0.0025	-0.0016	0.0010
6240	-0.117	-0.216	-0.271	0.0096	-0.0050	0.0028
6250	-0.113	-0.226	-0.252	0.0012	0.0134	-0.0043
6260	-0.097	-0.227	-0.236	0.0010	0.0139	-0.0045
6270	-0.016	-0.231	-0.166	0.0003	0.0152	-0.0054
6280	0.003	-0.231	-0.151	0.0002	0.0153	-0.0056
6290	0.025	-0.227	-0.137	-0.0081	0.0223	-0.0284
6300	0.050	-0.218	-0.122	-0.0082	0.0223	-0.0288
6310	0.091	-0.202	-0.099	-0.0083	0.0221	-0.0294
6320	0.065	-0.143	-0.054	-0.0083	0.0216	-0.0297
6330	0.028	0.023	0.025	0.0043	0.0004	-0.0082
6338	0.143	-0.075	-0.015	0.0036	0.0049	0.0007
6339	0.145	-0.056	-0.017	0.0044	0.0022	0.0316
6340	0.108	-0.028	-0.013	0.0058	0.0007	0.0494
6345	0.000	-0.001	0.000	0.0065	-0.0011	0.0431
6350	0.000	0.176	-0.000	-0.0178	-0.0129	-0.0372
6358	0.091	0.203	-0.048	-0.0219	-0.0147	-0.0412
6359	0.122	0.229	-0.073	-0.0152	-0.0127	-0.0288
6360	0.119	0.250	-0.086	-0.0076	-0.0018	-0.0060
6370	0.118	0.251	-0.087	-0.0073	-0.0017	-0.0058
6380	0.102	0.258	-0.089	-0.0072	-0.0015	-0.0056
6390	0.072	0.271	-0.092	-0.0069	-0.0011	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.068	0.300	-0.037	-0.0068	-0.0011	-0.0054
6410	0.056	0.377	0.108	-0.0067	-0.0011	-0.0054
6420	0.042	0.283	-0.094	-0.0067	-0.0006	-0.0051
6430	0.051	-0.108	-0.029	-0.0084	0.0212	-0.0298
6440	0.022	-0.056	-0.010	-0.0089	0.0074	-0.0317
6445	-0.000	-0.000	-0.000	-0.0091	0.0014	-0.0320
6449	-0.097	0.265	-0.109	-0.0126	-0.0174	-0.0243
6450	-0.083	0.253	-0.145	-0.0189	-0.0069	-0.0206
6451	-0.087	0.221	-0.065	-0.0098	-0.0140	-0.0313
6460	-0.082	0.250	-0.147	-0.0189	-0.0068	-0.0205
6470	-0.073	0.225	-0.163	-0.0189	-0.0068	-0.0205
6480	-0.035	0.118	-0.235	-0.0191	-0.0067	-0.0203
6490	-0.026	0.092	-0.252	-0.0191	-0.0066	-0.0203
6500	0.000	-0.000	-0.307	-0.0238	-0.0055	-0.0178
6510	0.040	-0.221	-0.409	-0.0287	-0.0046	-0.0131
6518	0.060	-0.351	-0.467	-0.0269	-0.0045	-0.0104
6519	0.075	-0.376	-0.503	-0.0080	-0.0026	-0.0080
6520	0.084	-0.353	-0.506	0.0139	-0.0003	-0.0006
6530	0.000	0.015	-0.000	0.0081	-0.0030	0.0040
6538	-0.059	0.416	-0.252	-0.0149	-0.0062	-0.0012
6539	-0.041	0.436	-0.279	-0.0176	-0.0057	-0.0065
6540	-0.011	0.429	-0.282	-0.0182	-0.0060	-0.0102
6550	0.076	0.356	-0.241	-0.0197	-0.0062	-0.0099
6560	0.105	0.334	-0.227	-0.0202	-0.0060	-0.0093
6570	0.058	0.494	-0.125	-0.0195	-0.0057	-0.0083
6578	0.032	0.583	-0.067	-0.0189	-0.0055	-0.0077
6579	0.013	0.609	-0.016	-0.0091	-0.0023	-0.0059
6580	0.001	0.579	0.005	0.0052	-0.0003	-0.0014
6590	-0.000	0.568	-0.000	0.0055	-0.0003	-0.0013
6600	-0.003	0.537	-0.019	0.0053	-0.0001	-0.0010
6610	-0.005	0.515	-0.029	0.0052	-0.0001	-0.0010
6620	-0.017	0.350	-0.085	0.0032	-0.0000	-0.0008
6630	-0.019	0.328	-0.090	0.0029	-0.0000	-0.0008
6640	-0.020	0.297	-0.088	-0.0025	0.0002	0.0001
6648	0.120	0.283	-0.259	-0.0204	-0.0060	-0.0094
6649	0.151	0.212	-0.287	-0.0218	-0.0058	-0.0098
6650	0.193	0.159	-0.287	-0.0219	-0.0051	-0.0096
6658	0.228	0.132	-0.273	-0.0219	-0.0049	-0.0095
6659	0.254	0.092	-0.239	-0.0207	-0.0020	-0.0072
6660	0.253	0.049	-0.183	-0.0178	-0.0004	-0.0045
6690	-0.017	0.265	-0.073	-0.0063	-0.0001	0.0012
6700	-0.012	0.235	-0.049	-0.0099	-0.0006	0.0024
6710	-0.008	0.215	-0.033	-0.0100	-0.0006	0.0024
7120	0.007	0.295	-0.091	-0.0042	0.0013	-0.0020
7130	0.026	0.290	-0.094	-0.0066	-0.0004	-0.0050
7190	0.002	0.161	0.004	-0.0026	-0.0016	0.0011
7200	-0.000	0.177	-0.000	-0.0066	-0.0011	0.0019
7210	-0.004	0.193	-0.015	-0.0099	-0.0006	0.0024
7220	-0.007	0.212	-0.031	-0.0100	-0.0006	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	0.0001	0.0004	0.0003
7560	0.004	0.364	0.763	0.0005	0.0013	0.0010
7570	0.006	0.363	0.782	0.0007	0.0015	0.0013
8020	0.006	0.363	0.782	0.0007	0.0015	0.0013
8030	0.008	0.361	0.802	0.0008	0.0016	0.0015
8040	0.015	0.358	0.824	0.0031	0.0037	0.0065
8050	0.021	0.353	0.843	0.0032	0.0037	0.0067
8060	0.027	0.348	0.863	0.0033	0.0037	0.0069
8068	0.034	0.340	0.885	0.0054	0.0025	0.0119
8069	0.037	0.300	0.892	0.0267	-0.0104	0.0153
8070	0.071	0.251	0.837	0.0384	-0.0131	0.0297
8078	0.126	0.228	0.768	0.0384	-0.0179	0.0311
8079	0.179	0.178	0.678	0.0401	-0.0261	0.0322
8080	0.179	0.117	0.575	0.0437	-0.0475	0.0217
8090	0.034	-0.091	0.000	0.0271	-0.0434	0.0139
8100	-0.099	-0.197	-0.332	0.0120	-0.0165	0.0056
8108	-0.122	-0.207	-0.362	0.0122	-0.0158	0.0049
8109	-0.145	-0.198	-0.371	0.0164	-0.0052	-0.0047
8110	-0.138	-0.168	-0.334	0.0251	0.0004	-0.0106
8120	-0.136	-0.167	-0.331	0.0252	0.0005	-0.0106
8130	-0.120	-0.147	-0.292	0.0252	0.0006	-0.0106
8140	-0.024	-0.031	-0.060	0.0248	0.0010	-0.0101
8150	-0.008	-0.011	-0.021	0.0244	0.0011	-0.0099
8160	-0.000	-0.000	-0.000	0.0193	0.0020	-0.0076
8170	0.009	0.032	0.027	0.0050	0.0046	-0.0024
8180	0.010	0.055	0.026	-0.0021	0.0062	0.0006
8190	0.009	0.074	0.023	-0.0023	0.0063	0.0007
8200	0.006	0.108	0.016	-0.0026	0.0064	0.0009
8210	0.030	0.117	0.062	-0.0025	0.0064	0.0009
8220	0.060	0.129	0.121	-0.0025	0.0064	0.0009
8230	0.004	0.142	0.009	-0.0027	0.0065	0.0010
8240	-0.118	-0.214	-0.310	0.0078	-0.0068	0.0028
8250	-0.117	-0.221	-0.290	-0.0008	0.0125	-0.0037
8260	-0.101	-0.220	-0.275	-0.0010	0.0130	-0.0039
8270	-0.025	-0.212	-0.205	-0.0016	0.0145	-0.0047
8280	-0.007	-0.210	-0.190	-0.0017	0.0146	-0.0049
8290	0.016	-0.205	-0.175	-0.0076	0.0261	-0.0256
8300	0.046	-0.196	-0.161	-0.0077	0.0262	-0.0260
8310	0.094	-0.182	-0.138	-0.0077	0.0262	-0.0266
8320	0.068	-0.128	-0.085	-0.0076	0.0258	-0.0268
8330	0.028	0.023	0.019	0.0052	0.0054	-0.0082
8338	0.142	-0.076	-0.032	0.0065	0.0036	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.145	-0.056	-0.031	0.0079	-0.0003	0.0315
8340	0.108	-0.028	-0.022	0.0098	-0.0022	0.0493
8345	0.000	-0.001	0.000	0.0103	-0.0042	0.0431
8350	0.000	0.175	-0.000	-0.0242	-0.0174	-0.0377
8358	0.092	0.202	-0.065	-0.0296	-0.0194	-0.0419
8359	0.124	0.228	-0.098	-0.0203	-0.0164	-0.0293
8360	0.121	0.250	-0.115	-0.0100	-0.0013	-0.0061
8370	0.120	0.250	-0.116	-0.0096	-0.0011	-0.0059
8380	0.104	0.257	-0.117	-0.0094	-0.0009	-0.0057
8390	0.074	0.271	-0.119	-0.0090	-0.0003	-0.0055
8400	0.073	0.309	-0.064	-0.0090	-0.0003	-0.0055
8410	0.070	0.411	0.081	-0.0089	-0.0003	-0.0055
8420	0.045	0.283	-0.118	-0.0088	0.0005	-0.0052
8430	0.054	-0.097	-0.055	-0.0076	0.0255	-0.0269
8440	0.022	-0.050	-0.025	-0.0071	0.0154	-0.0282
8445	-0.000	-0.000	-0.000	-0.0070	0.0109	-0.0282
8449	-0.063	0.142	-0.000	-0.0081	-0.0085	-0.0236
8450	-0.059	0.142	-0.031	-0.0106	-0.0048	-0.0217
8451	-0.045	0.099	0.019	-0.0068	0.0038	-0.0278
8460	-0.058	0.141	-0.033	-0.0106	-0.0047	-0.0216
8470	-0.052	0.127	-0.050	-0.0106	-0.0047	-0.0216
8480	-0.025	0.066	-0.122	-0.0107	-0.0047	-0.0215
8490	-0.019	0.052	-0.138	-0.0107	-0.0047	-0.0215
8500	0.000	-0.000	-0.194	-0.0138	-0.0043	-0.0197
8510	0.032	-0.131	-0.295	-0.0171	-0.0035	-0.0165
8518	0.047	-0.209	-0.354	-0.0161	-0.0028	-0.0146
8519	0.057	-0.219	-0.384	-0.0042	0.0029	-0.0114
8520	0.068	-0.195	-0.388	0.0100	0.0062	-0.0040
8530	-0.000	0.172	-0.000	0.0084	0.0143	0.0100
8538	-0.515	0.577	0.027	0.0008	0.0231	0.0176
8539	-0.536	0.612	0.012	0.0028	0.0233	0.0135
8540	-0.523	0.643	-0.032	0.0025	0.0264	0.0094
8550	-0.480	0.675	-0.126	0.0032	0.0273	0.0088
8560	-0.451	0.695	-0.189	0.0037	0.0281	0.0086
8570	-0.224	0.663	-0.087	0.0040	0.0281	0.0087
8578	-0.097	0.645	-0.029	0.0040	0.0273	0.0088
8579	-0.024	0.620	0.002	0.0035	0.0178	0.0053
8580	0.000	0.580	0.005	0.0061	0.0137	-0.0006
8590	-0.000	0.568	-0.000	0.0062	0.0134	-0.0007
8600	-0.002	0.538	-0.020	0.0053	0.0123	-0.0009
8610	-0.004	0.515	-0.030	0.0052	0.0123	-0.0009
8620	-0.015	0.351	-0.085	0.0031	0.0119	-0.0008
8630	-0.017	0.328	-0.090	0.0028	0.0119	-0.0008
8640	-0.018	0.297	-0.087	-0.0026	0.0108	0.0000
8648	-0.522	0.704	-0.221	0.0036	0.0280	0.0084
8649	-0.580	0.718	-0.285	-0.0003	0.0222	0.0066
8650	-0.568	0.728	-0.350	-0.0027	0.0136	0.0018
8658	-0.534	0.733	-0.386	-0.0032	0.0131	0.0014
8659	-0.503	0.711	-0.406	-0.0068	0.0051	-0.0068

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.519	0.664	-0.383	-0.0123	0.0022	-0.0141
8690	-0.016	0.266	-0.072	-0.0063	0.0102	0.0010
8700	-0.011	0.235	-0.049	-0.0099	0.0090	0.0021
8710	-0.007	0.216	-0.033	-0.0100	0.0090	0.0022
9120	0.009	0.295	-0.108	-0.0051	0.0076	-0.0021
9130	0.028	0.290	-0.117	-0.0086	0.0009	-0.0051
9190	0.002	0.161	0.005	-0.0029	0.0066	0.0011
9200	-0.000	0.177	-0.000	-0.0067	0.0077	0.0018
9210	-0.003	0.193	-0.015	-0.0099	0.0089	0.0022
9220	-0.007	0.213	-0.030	-0.0100	0.0090	0.0022
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	0.0001	0.0004	0.0003
9560	0.004	0.364	0.763	0.0006	0.0013	0.0010
9570	0.006	0.363	0.782	0.0007	0.0015	0.0013
10020	0.006	0.363	0.782	0.0006	0.0015	0.0013
10030	0.009	0.362	0.802	0.0007	0.0017	0.0015
10040	0.015	0.359	0.824	0.0029	0.0038	0.0065
10050	0.021	0.354	0.843	0.0030	0.0038	0.0067
10060	0.027	0.350	0.863	0.0031	0.0038	0.0069
10068	0.035	0.342	0.885	0.0053	0.0025	0.0119
10069	0.037	0.300	0.891	0.0293	-0.0112	0.0150
10070	0.069	0.248	0.828	0.0430	-0.0143	0.0286
10078	0.122	0.226	0.752	0.0430	-0.0192	0.0299
10079	0.172	0.177	0.652	0.0433	-0.0270	0.0300
10080	0.170	0.121	0.547	0.0457	-0.0468	0.0192
10090	0.025	-0.066	0.000	0.0261	-0.0378	0.0137
10100	-0.108	-0.188	-0.255	0.0082	-0.0111	0.0082
10108	-0.131	-0.203	-0.276	0.0083	-0.0113	0.0075
10109	-0.155	-0.198	-0.287	0.0107	-0.0063	-0.0036
10110	-0.148	-0.168	-0.264	0.0196	-0.0017	-0.0114
10120	-0.147	-0.167	-0.261	0.0197	-0.0016	-0.0114
10130	-0.129	-0.147	-0.231	0.0197	-0.0015	-0.0114
10140	-0.025	-0.031	-0.048	0.0196	-0.0012	-0.0108
10150	-0.009	-0.011	-0.017	0.0193	-0.0011	-0.0106
10160	-0.000	-0.000	-0.000	0.0153	-0.0005	-0.0082
10170	0.009	0.033	0.021	0.0039	0.0016	-0.0025
10180	0.010	0.055	0.020	-0.0016	0.0026	0.0007
10190	0.009	0.075	0.018	-0.0018	0.0027	0.0008
10200	0.007	0.108	0.012	-0.0020	0.0027	0.0010
10210	0.017	0.115	0.059	-0.0020	0.0027	0.0010
10220	0.030	0.125	0.118	-0.0020	0.0027	0.0010
10230	0.004	0.142	0.007	-0.0022	0.0028	0.0011
10240	-0.118	-0.198	-0.233	0.0036	-0.0024	0.0062

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.112	-0.197	-0.213	-0.0058	0.0146	0.0015
10260	-0.094	-0.190	-0.198	-0.0061	0.0150	0.0014
10270	-0.007	-0.154	-0.128	-0.0068	0.0161	0.0008
10280	0.013	-0.146	-0.112	-0.0069	0.0162	0.0007
10290	0.033	-0.135	-0.098	-0.0125	0.0184	-0.0143
10300	0.054	-0.121	-0.083	-0.0125	0.0183	-0.0146
10310	0.088	-0.098	-0.060	-0.0125	0.0180	-0.0150
10320	0.062	-0.068	-0.024	-0.0124	0.0174	-0.0151
10330	0.028	0.023	0.017	0.0041	0.0031	-0.0083
10338	0.143	-0.076	-0.025	0.0049	0.0036	0.0007
10339	0.146	-0.056	-0.025	0.0061	0.0002	0.0316
10340	0.109	-0.028	-0.018	0.0080	-0.0015	0.0495
10345	0.000	-0.001	0.000	0.0086	-0.0034	0.0433
10350	0.000	0.175	-0.000	-0.0213	-0.0157	-0.0383
10358	0.094	0.202	-0.057	-0.0262	-0.0176	-0.0426
10359	0.126	0.228	-0.087	-0.0182	-0.0150	-0.0298
10360	0.123	0.250	-0.103	-0.0091	-0.0018	-0.0061
10370	0.122	0.251	-0.103	-0.0088	-0.0017	-0.0058
10380	0.106	0.258	-0.105	-0.0086	-0.0015	-0.0057
10390	0.077	0.271	-0.108	-0.0083	-0.0009	-0.0054
10400	0.073	0.307	-0.054	-0.0082	-0.0009	-0.0054
10410	0.062	0.400	0.091	-0.0081	-0.0009	-0.0054
10420	0.047	0.284	-0.110	-0.0080	-0.0003	-0.0052
10430	0.048	-0.050	-0.003	-0.0123	0.0168	-0.0152
10440	0.022	-0.027	0.004	-0.0114	-0.0004	-0.0153
10445	-0.000	-0.001	-0.000	-0.0112	-0.0078	-0.0149
10449	-0.113	0.136	-0.278	-0.0106	-0.0259	-0.0106
10450	-0.091	0.124	-0.319	-0.0097	-0.0077	-0.0103
10451	-0.113	0.122	-0.210	-0.0102	-0.0303	-0.0130
10460	-0.090	0.123	-0.321	-0.0097	-0.0075	-0.0102
10470	-0.080	0.110	-0.337	-0.0097	-0.0075	-0.0102
10480	-0.038	0.055	-0.409	-0.0097	-0.0073	-0.0102
10490	-0.029	0.042	-0.426	-0.0097	-0.0073	-0.0101
10500	0.000	-0.000	-0.481	-0.0098	-0.0063	-0.0093
10510	0.047	-0.077	-0.583	-0.0083	-0.0052	-0.0077
10518	0.069	-0.109	-0.641	-0.0057	-0.0043	-0.0068
10519	0.077	-0.096	-0.661	0.0103	0.0007	-0.0044
10520	0.079	-0.060	-0.636	0.0259	0.0032	0.0001
10525	-0.000	0.259	-0.000	0.0150	0.0107	0.0070
10530	-0.032	0.311	0.045	0.0086	0.0119	0.0086
10538	-0.480	0.716	0.088	0.0055	0.0216	0.0185
10539	-0.510	0.758	0.094	0.0174	0.0186	0.0240
10540	-0.507	0.818	0.075	0.0207	0.0180	0.0281
10550	-0.397	1.068	-0.092	0.0290	0.0198	0.0272
10560	-0.368	1.129	-0.137	0.0311	0.0204	0.0262
10570	-0.202	0.872	-0.036	0.0322	0.0208	0.0228
10578	-0.107	0.725	0.022	0.0316	0.0206	0.0208
10579	-0.036	0.635	0.029	0.0201	0.0128	0.0157
10580	-0.000	0.581	0.006	0.0076	0.0068	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.569	-0.000	0.0074	0.0066	0.0002
10600	-0.001	0.539	-0.022	0.0056	0.0062	-0.0007
10610	-0.002	0.516	-0.032	0.0055	0.0062	-0.0007
10620	-0.013	0.351	-0.090	0.0032	0.0061	-0.0008
10630	-0.014	0.329	-0.095	0.0029	0.0060	-0.0007
10640	-0.015	0.298	-0.092	-0.0028	0.0056	-0.0001
10648	-0.419	1.208	-0.169	0.0306	0.0203	0.0269
10649	-0.457	1.307	-0.225	0.0189	0.0161	0.0234
10650	-0.438	1.384	-0.278	0.0136	0.0115	0.0171
10658	-0.404	1.431	-0.309	0.0116	0.0113	0.0166
10659	-0.362	1.444	-0.342	0.0050	0.0034	-0.0008
10660	-0.382	1.398	-0.331	-0.0135	-0.0028	-0.0236
10690	-0.014	0.266	-0.076	-0.0066	0.0052	0.0008
10700	-0.010	0.236	-0.050	-0.0103	0.0044	0.0019
10710	-0.007	0.216	-0.034	-0.0104	0.0044	0.0019
11120	0.012	0.295	-0.104	-0.0049	0.0044	-0.0021
11130	0.031	0.290	-0.110	-0.0079	-0.0000	-0.0051
11190	0.002	0.161	0.004	-0.0023	0.0029	0.0011
11200	-0.000	0.177	-0.000	-0.0066	0.0036	0.0017
11210	-0.003	0.194	-0.015	-0.0103	0.0043	0.0019
11220	-0.006	0.213	-0.032	-0.0104	0.0044	0.0019
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	0.0001	0.0004	0.0003
11560	0.004	0.364	0.763	0.0006	0.0013	0.0010
11570	0.006	0.363	0.782	0.0007	0.0015	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	0.0002	0.0004	0.0003
13560	0.004	0.364	0.763	0.0006	0.0013	0.0010
13570	0.006	0.363	0.782	0.0007	0.0015	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	0.0002	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 12 (OPE) W+T3+P1+WIN4

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.364	0.763	0.0006	0.0013	0.0010
15570	0.006	0.363	0.782	0.0007	0.0015	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	0.0001	0.0004	0.0003
17560	0.004	0.364	0.763	0.0005	0.0013	0.0010
17570	0.006	0.363	0.782	0.0006	0.0015	0.0013
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.000	-0.001	0.172	0.0001	0.0000	-0.0001
18020	0.001	-0.005	0.451	0.0002	0.0001	-0.0002
18022	0.069	-0.006	0.450	0.0002	0.0001	-0.0003
18025	0.069	-0.006	0.450	0.0002	0.0001	-0.0003
18027	0.091	-0.008	0.449	0.0004	0.0007	-0.0009
18030	0.114	-0.010	0.448	0.0004	0.0008	-0.0009
18040	0.002	-0.010	0.726	0.0002	0.0000	-0.0002
18042	0.002	-0.010	0.726	0.0002	0.0000	-0.0002
18045	0.002	-0.011	0.748	0.0005	-0.0000	-0.0004
18050	0.002	-0.012	0.771	0.0005	-0.0000	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	0.0000	0.0000
19500	0.006	0.061	0.837	-0.0012	0.0002	0.0003
19550	0.004	0.150	0.826	-0.0012	0.0003	0.0003
19560	0.004	0.150	0.826	-0.0012	0.0003	0.0003
19580	0.003	0.160	0.824	-0.0013	0.0005	0.0004
19600	0.003	0.178	0.822	-0.0013	0.0005	0.0004

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.364	0.782	0.0004	0.0015	0.0013
30	0.009	0.363	0.802	0.0005	0.0017	0.0015
40	0.015	0.361	0.824	0.0024	0.0039	0.0065
50	0.022	0.357	0.843	0.0024	0.0039	0.0067
60	0.028	0.353	0.863	0.0025	0.0039	0.0069
68	0.036	0.347	0.885	0.0046	0.0027	0.0119
69	0.039	0.307	0.892	0.0273	-0.0102	0.0152
70	0.072	0.257	0.834	0.0410	-0.0130	0.0291
78	0.126	0.235	0.761	0.0411	-0.0179	0.0304
79	0.178	0.186	0.664	0.0431	-0.0262	0.0304
80	0.176	0.128	0.559	0.0464	-0.0470	0.0197
90	0.030	-0.065	0.000	0.0294	-0.0406	0.0141
95	-0.054	-0.150	-0.220	0.0195	-0.0246	0.0108
100	-0.102	-0.187	-0.298	0.0138	-0.0151	0.0080
108	-0.125	-0.202	-0.326	0.0144	-0.0155	0.0074
109	-0.149	-0.197	-0.344	0.0160	-0.0143	-0.0031
110	-0.144	-0.168	-0.318	0.0238	-0.0113	-0.0110
120	-0.142	-0.167	-0.315	0.0239	-0.0113	-0.0111
130	-0.125	-0.147	-0.278	0.0239	-0.0113	-0.0111
140	-0.025	-0.031	-0.057	0.0236	-0.0112	-0.0105
150	-0.008	-0.011	-0.020	0.0233	-0.0112	-0.0103
160	-0.000	-0.000	-0.000	0.0184	-0.0110	-0.0079
170	0.009	0.032	0.026	0.0047	-0.0103	-0.0025
180	0.010	0.055	0.025	-0.0020	-0.0110	0.0007
190	0.009	0.074	0.022	-0.0022	-0.0110	0.0008
200	0.007	0.108	0.015	-0.0024	-0.0110	0.0009
210	-0.033	0.117	0.061	-0.0024	-0.0110	0.0009
220	-0.085	0.128	0.120	-0.0024	-0.0110	0.0009
230	0.004	0.141	0.009	-0.0026	-0.0111	0.0011
240	-0.119	-0.207	-0.276	0.0091	-0.0055	0.0051
250	-0.116	-0.215	-0.256	-0.0004	0.0136	-0.0017
260	-0.099	-0.214	-0.241	-0.0006	0.0140	-0.0019
270	-0.017	-0.209	-0.171	-0.0013	0.0154	-0.0027
280	0.002	-0.207	-0.156	-0.0014	0.0155	-0.0029
290	0.024	-0.201	-0.141	-0.0088	0.0230	-0.0246
300	0.050	-0.191	-0.127	-0.0089	0.0230	-0.0249
310	0.092	-0.175	-0.103	-0.0089	0.0228	-0.0255
320	0.067	-0.123	-0.057	-0.0089	0.0223	-0.0258
330	0.028	0.023	0.037	0.0042	-0.0053	-0.0081
338	0.143	-0.075	0.004	0.0008	0.0070	0.0006
339	0.146	-0.055	-0.002	0.0008	0.0057	0.0315
340	0.108	-0.027	-0.003	0.0014	0.0046	0.0495
345	0.000	-0.000	0.000	0.0022	0.0031	0.0431
350	0.000	0.177	-0.000	-0.0106	-0.0071	-0.0371
358	0.091	0.204	-0.029	-0.0135	-0.0087	-0.0412
359	0.121	0.230	-0.045	-0.0106	-0.0081	-0.0289
360	0.119	0.251	-0.055	-0.0065	-0.0025	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.118	0.252	-0.055	-0.0064	-0.0024	-0.0057
380	0.102	0.259	-0.058	-0.0063	-0.0024	-0.0056
390	0.072	0.272	-0.064	-0.0061	-0.0021	-0.0053
400	0.063	0.298	-0.009	-0.0061	-0.0021	-0.0053
410	0.039	0.368	0.136	-0.0061	-0.0021	-0.0053
420	0.042	0.284	-0.068	-0.0060	-0.0020	-0.0050
430	0.052	-0.093	-0.031	-0.0089	0.0218	-0.0259
440	0.022	-0.049	-0.011	-0.0087	0.0080	-0.0274
444	0.000	-0.000	-0.000	-0.0087	0.0017	-0.0275
449	-0.096	0.222	-0.111	-0.0114	-0.0180	-0.0187
450	-0.082	0.210	-0.147	-0.0158	-0.0069	-0.0154
451	-0.087	0.187	-0.066	-0.0087	-0.0144	-0.0262
460	-0.081	0.207	-0.149	-0.0158	-0.0068	-0.0154
470	-0.072	0.186	-0.166	-0.0159	-0.0068	-0.0153
480	-0.034	0.096	-0.238	-0.0160	-0.0066	-0.0151
490	-0.025	0.075	-0.255	-0.0160	-0.0066	-0.0151
500	-0.000	-0.000	-0.310	-0.0188	-0.0048	-0.0124
510	0.030	-0.167	-0.411	-0.0211	-0.0032	-0.0074
518	0.045	-0.261	-0.470	-0.0191	-0.0036	-0.0046
519	0.056	-0.272	-0.499	-0.0017	-0.0045	-0.0031
520	0.059	-0.245	-0.494	0.0173	-0.0036	0.0027
530	0.000	0.123	-0.000	0.0019	-0.0143	-0.0045
538	0.438	0.522	-0.586	-0.0254	-0.0262	-0.0177
539	0.481	0.531	-0.610	-0.0214	-0.0288	-0.0163
540	0.518	0.512	-0.565	-0.0184	-0.0359	-0.0138
550	0.608	0.420	-0.312	-0.0170	-0.0384	-0.0127
560	0.637	0.392	-0.224	-0.0165	-0.0393	-0.0122
570	0.318	0.521	-0.122	-0.0156	-0.0394	-0.0132
578	0.139	0.591	-0.064	-0.0150	-0.0381	-0.0137
579	0.039	0.610	-0.015	-0.0077	-0.0234	-0.0088
580	0.001	0.579	0.005	0.0054	-0.0176	-0.0015
590	0.000	0.568	-0.000	0.0057	-0.0169	-0.0014
600	-0.003	0.538	-0.020	0.0056	-0.0152	-0.0011
610	-0.005	0.515	-0.030	0.0055	-0.0151	-0.0010
620	-0.018	0.350	-0.090	0.0034	-0.0146	-0.0008
630	-0.019	0.328	-0.095	0.0031	-0.0145	-0.0008
640	-0.020	0.297	-0.093	-0.0026	-0.0128	0.0001
648	0.736	0.350	-0.256	-0.0167	-0.0389	-0.0117
649	0.846	0.290	-0.255	-0.0160	-0.0272	-0.0104
650	0.908	0.251	-0.214	-0.0142	-0.0134	-0.0046
658	0.943	0.238	-0.180	-0.0143	-0.0126	-0.0041
659	0.980	0.222	-0.141	-0.0121	-0.0055	0.0036
660	1.013	0.192	-0.103	-0.0125	-0.0044	0.0071
670	1.063	0.101	-0.012	-0.0134	-0.0029	0.0059
680	1.082	0.058	0.035	-0.0140	-0.0022	0.0044
690	-0.017	0.266	-0.077	-0.0066	-0.0125	0.0012
700	-0.012	0.235	-0.052	-0.0106	-0.0121	0.0024
705	0.883	-0.000	-0.000	-0.0147	-0.0023	0.0027
710	-0.008	0.216	-0.035	-0.0106	-0.0120	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.129	0.075	0.043	-0.0140	-0.0022	0.0044
730	0.201	0.107	-0.023	-0.0169	0.0021	-0.0087
735	0.000	0.284	-0.000	-0.0170	-0.0003	-0.0143
740	-0.333	0.770	-0.081	-0.0171	-0.0037	-0.0213
750	-0.657	1.334	-0.166	-0.0174	-0.0026	-0.0215
758	-0.705	1.414	-0.175	-0.0175	-0.0026	-0.0210
759	-0.782	1.449	-0.164	-0.0158	-0.0075	-0.0025
760	-0.766	1.380	-0.123	-0.0088	-0.0114	0.0173
770	-0.591	1.258	-0.044	-0.0069	-0.0132	0.0182
775	-0.447	1.159	-0.000	-0.0037	-0.0147	0.0177
780	-0.306	1.056	0.011	-0.0005	-0.0163	0.0161
785	-0.000	0.766	0.000	-0.0010	-0.0220	0.0085
790	0.106	0.438	0.099	-0.0064	-0.0285	0.0014
792	0.153	0.153	0.256	-0.0061	-0.0342	0.0039
795	0.190	0.044	0.307	-0.0063	-0.0333	0.0041
797	0.206	-0.000	0.329	-0.0067	-0.0329	0.0043
798	0.326	-0.326	0.525	-0.0074	-0.0303	0.0035
799	0.371	-0.382	0.505	0.0064	-0.0247	-0.0085
800	0.435	-0.348	0.426	0.0157	-0.0123	-0.0146
808	0.461	-0.313	0.399	0.0157	-0.0120	-0.0150
809	0.464	-0.218	0.333	0.0109	0.0006	-0.0140
810	0.397	-0.143	0.333	0.0071	0.0071	-0.0090
850	0.137	-0.009	0.446	0.0004	0.0008	-0.0009
860	0.114	-0.007	0.448	0.0004	0.0007	-0.0008
870	0.105	0.135	0.127	-0.0053	-0.0355	0.0046
875	0.060	0.116	-0.000	-0.0046	-0.0372	0.0049
878	-0.052	0.072	-0.350	-0.0028	-0.0398	0.0049
879	-0.180	0.050	-0.501	-0.0003	-0.0288	0.0069
880	-0.274	0.014	-0.482	0.0094	-0.0006	0.0099
888	0.257	-0.710	0.336	0.0102	0.0146	0.0062
889	0.375	-0.724	0.352	0.0024	0.0250	0.0086
890	0.487	-0.681	0.249	0.0004	0.0282	0.0100
899	0.531	-0.612	0.118	-0.0005	0.0275	0.0094
900	0.510	-0.534	0.057	-0.0028	0.0273	0.0110
902	-0.000	-0.000	-0.000	0.0005	0.0209	0.0147
905	-0.594	0.446	-0.000	-0.0039	0.0155	0.0186
908	-0.845	0.617	-0.082	-0.0075	0.0135	0.0183
909	-0.877	0.696	-0.165	-0.0135	0.0138	0.0047
910	-0.816	0.705	-0.233	-0.0108	0.0030	-0.0110
920	-0.670	0.569	-0.252	-0.0118	0.0002	-0.0124
925	0.000	0.002	-0.000	-0.0145	-0.0024	-0.0066
930	0.209	-0.073	-0.003	-0.0154	0.0014	-0.0032
935	0.888	-0.000	-0.000	-0.0135	-0.0013	0.0049
940	1.091	0.094	0.018	-0.0130	-0.0012	0.0065
950	1.139	0.119	0.023	-0.0130	-0.0012	0.0065
960	-0.359	1.056	0.053	0.0002	-0.0154	0.0151
968	-0.398	1.055	0.086	0.0005	-0.0147	0.0143
969	-0.435	1.064	0.124	0.0027	-0.0021	0.0082
970	-0.439	1.096	0.149	0.0043	0.0041	-0.0040

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.336	1.305	0.239	0.0068	0.0099	-0.0082
979	-0.282	1.321	0.253	0.0097	0.0109	-0.0196
980	-0.219	1.266	0.224	0.0081	0.0194	-0.0284
985	-0.082	0.958	-0.000	0.0102	0.0234	-0.0285
988	0.106	0.559	-0.365	0.0130	0.0247	-0.0260
989	0.160	0.481	-0.402	0.0120	0.0103	-0.0203
990	0.178	0.422	-0.372	0.0143	-0.0073	-0.0197
1000	0.108	0.306	-0.273	0.0153	-0.0104	-0.0174
1010	0.094	0.285	-0.256	0.0154	-0.0109	-0.0171
1012	0.076	0.261	-0.236	0.0154	-0.0110	-0.0170
1016	0.000	0.155	-0.148	0.0154	-0.0111	-0.0169
1020	-0.018	0.130	-0.128	0.0154	-0.0112	-0.0169
1029	-0.053	0.068	-0.068	0.0143	-0.0212	-0.0149
1030	-0.040	0.021	-0.007	0.0118	-0.0026	-0.0070
1035	0.000	0.000	-0.000	0.0119	0.0017	-0.0062
1040	0.041	-0.018	-0.017	0.0121	0.0066	-0.0055
1045	0.077	-0.036	-0.035	0.0123	0.0112	-0.0046
1050	0.095	-0.042	-0.051	0.0124	0.0114	-0.0046
1070	0.230	0.149	-0.082	-0.0172	0.0016	-0.0085
1080	1.065	0.137	-0.025	-0.0125	-0.0020	0.0080
1090	0.221	-0.030	-0.058	-0.0164	0.0008	-0.0036
1100	-0.586	1.376	-0.224	-0.0167	-0.0027	-0.0207
1110	-0.626	0.611	-0.294	-0.0122	0.0008	-0.0132
1120	0.007	0.295	-0.075	-0.0039	-0.0065	-0.0019
1130	0.026	0.290	-0.070	-0.0059	-0.0020	-0.0049
1190	0.002	0.161	0.005	-0.0028	-0.0111	0.0011
1200	-0.000	0.177	-0.000	-0.0070	-0.0115	0.0019
1210	-0.004	0.193	-0.016	-0.0106	-0.0120	0.0024
1220	-0.008	0.213	-0.032	-0.0106	-0.0120	0.0024
1230	0.001	-0.007	0.771	0.0003	-0.0001	-0.0004
1240	0.001	-0.007	0.794	0.0003	-0.0001	-0.0005
1248	-0.008	-0.044	1.004	0.0041	0.0000	-0.0054
1249	-0.005	-0.134	1.028	0.0242	0.0046	-0.0062
1250	-0.043	-0.251	0.903	0.0376	0.0035	-0.0146
1258	-0.229	-0.410	0.445	0.0375	0.0065	-0.0155
1259	-0.272	-0.499	0.270	0.0327	0.0068	-0.0123
1260	-0.232	-0.567	0.162	0.0331	0.0136	-0.0053
1268	-0.012	-0.652	-0.085	0.0292	0.0150	-0.0040
1269	0.048	-0.632	-0.121	0.0235	0.0243	0.0021
1270	0.057	-0.568	-0.101	0.0073	0.0308	0.0040
1275	0.000	-0.321	-0.000	0.0019	0.0326	0.0014
1280	0.050	0.033	0.009	0.0030	0.0353	-0.0033
1285	0.057	0.056	0.015	0.0031	0.0353	-0.0033
1290	0.063	0.079	0.021	0.0031	0.0353	-0.0033
1300	0.065	0.084	0.022	0.0033	0.0353	-0.0034
1310	0.066	0.089	0.024	0.0035	0.0354	-0.0034
1315	0.073	0.112	0.030	0.0035	0.0354	-0.0034
1320	0.079	0.135	0.037	0.0036	0.0354	-0.0034
1325	0.173	0.451	0.255	0.0116	0.0377	-0.0025

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.196	0.578	0.380	0.0117	0.0387	-0.0010
1329	0.144	0.619	0.486	0.0008	0.0345	0.0147
1330	0.049	0.544	0.621	-0.0053	0.0238	0.0252
1338	-0.003	0.438	0.721	-0.0068	0.0231	0.0253
1339	-0.020	0.307	0.799	-0.0031	0.0059	0.0173
1340	-0.001	0.223	0.815	-0.0016	0.0007	0.0006
1350	-0.001	0.218	0.815	-0.0016	0.0005	0.0005
1360	-0.000	0.195	0.818	-0.0016	0.0005	0.0005
1373	0.129	-0.054	-0.082	0.0124	0.0116	-0.0045
1376	0.097	-0.021	-0.117	0.0124	0.0117	-0.0044
1380	0.082	-0.005	-0.133	0.0124	0.0117	-0.0043
1390	0.061	0.017	-0.155	0.0121	0.0123	-0.0031
1392	0.044	0.034	-0.173	0.0121	0.0123	-0.0030
1396	-0.026	0.102	-0.245	0.0120	0.0123	-0.0029
1400	-0.043	0.119	-0.262	0.0119	0.0123	-0.0029
1410	-0.115	0.176	-0.335	0.0072	0.0121	-0.0002
1418	-0.147	0.192	-0.369	0.0043	0.0117	0.0011
1419	-0.162	0.167	-0.383	-0.0204	0.0061	0.0045
1420	-0.149	0.122	-0.334	-0.0368	0.0024	0.0132
1425	0.000	-0.000	-0.000	-0.0254	-0.0004	0.0182
1428	0.591	-0.353	0.058	0.0067	-0.0084	0.0183
1429	0.603	-0.384	0.041	0.0036	-0.0081	0.0040
1430	0.579	-0.387	0.024	0.0024	-0.0081	-0.0102
1435	-0.000	-0.000	-0.000	-0.0184	0.0047	0.0093
1438	-0.073	-0.073	0.022	-0.0210	0.0035	0.0137
1439	-0.105	-0.105	0.008	-0.0219	0.0015	0.0124
1440	-0.128	-0.125	-0.038	-0.0199	-0.0018	0.0069
1448	-0.134	-0.136	-0.084	-0.0192	-0.0014	0.0057
1449	-0.137	-0.134	-0.106	-0.0121	-0.0031	0.0023
1450	-0.136	-0.123	-0.117	-0.0037	-0.0037	-0.0024
1455	-0.000	0.150	0.000	0.0137	-0.0007	-0.0088
1458	0.020	0.177	0.033	0.0140	-0.0004	-0.0091
1459	0.039	0.206	0.040	-0.0002	-0.0006	-0.0109
1460	0.048	0.193	0.011	-0.0234	0.0006	-0.0111
1470	-0.110	-0.258	-0.540	0.0404	0.0071	-0.0185
1480	-0.123	-0.180	-0.562	0.0476	0.0074	-0.0188
1490	-0.137	-0.087	-0.585	0.0553	0.0077	-0.0191
1495	-0.107	-0.067	-0.492	0.0613	0.0077	-0.0192
1497	-0.073	-0.045	-0.370	0.0761	0.0077	-0.0195
1498	-0.588	1.505	-0.930	0.0644	0.0207	-0.0343
1499	-0.601	1.554	-0.949	0.0669	0.0186	-0.0344
1500	-0.000	0.001	-0.000	0.1091	0.0077	-0.0200
1504	-0.151	0.015	-0.608	0.0554	0.0081	-0.0193
1505	-0.596	1.547	-0.970	0.0675	0.0151	-0.0360
1506	-0.166	0.113	-0.631	0.0555	0.0090	-0.0197
1508	-0.122	0.021	-0.326	0.0965	-0.0474	-0.0416
1509	-0.094	-0.013	-0.243	0.0981	-0.0494	-0.0406
1510	-0.051	-0.016	-0.130	0.1005	-0.0503	-0.0399
1520	0.000	0.000	-0.000	0.1007	-0.0503	-0.0398

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.364	0.782	0.0004	0.0015	0.0013
2030	0.009	0.363	0.802	0.0005	0.0017	0.0015
2040	0.015	0.360	0.824	0.0024	0.0038	0.0065
2050	0.021	0.357	0.843	0.0025	0.0039	0.0067
2060	0.028	0.353	0.863	0.0026	0.0039	0.0069
2068	0.035	0.347	0.885	0.0046	0.0026	0.0119
2069	0.039	0.307	0.892	0.0274	-0.0105	0.0151
2070	0.071	0.257	0.834	0.0410	-0.0134	0.0289
2078	0.125	0.235	0.760	0.0411	-0.0183	0.0303
2079	0.176	0.186	0.664	0.0427	-0.0264	0.0303
2080	0.174	0.128	0.559	0.0459	-0.0471	0.0197
2090	0.029	-0.066	0.000	0.0284	-0.0403	0.0141
2100	-0.104	-0.188	-0.291	0.0123	-0.0140	0.0079
2108	-0.127	-0.203	-0.317	0.0125	-0.0141	0.0073
2109	-0.151	-0.197	-0.330	0.0148	-0.0095	-0.0034
2110	-0.145	-0.168	-0.302	0.0226	-0.0056	-0.0111
2120	-0.143	-0.167	-0.299	0.0226	-0.0055	-0.0111
2130	-0.126	-0.147	-0.264	0.0227	-0.0054	-0.0111
2140	-0.025	-0.031	-0.054	0.0224	-0.0052	-0.0106
2150	-0.009	-0.011	-0.019	0.0221	-0.0051	-0.0104
2160	-0.000	-0.000	-0.000	0.0175	-0.0046	-0.0080
2170	0.009	0.032	0.024	0.0045	-0.0029	-0.0025
2180	0.010	0.055	0.024	-0.0019	-0.0025	0.0007
2190	0.009	0.074	0.020	-0.0021	-0.0024	0.0008
2200	0.007	0.108	0.014	-0.0023	-0.0024	0.0009
2210	-0.002	0.116	0.060	-0.0023	-0.0024	0.0009
2220	-0.013	0.127	0.119	-0.0023	-0.0024	0.0009
2230	0.004	0.142	0.008	-0.0025	-0.0024	0.0011
2240	-0.119	-0.205	-0.269	0.0080	-0.0047	0.0051
2250	-0.115	-0.212	-0.249	-0.0008	0.0138	-0.0014
2260	-0.098	-0.211	-0.234	-0.0010	0.0142	-0.0016
2270	-0.015	-0.203	-0.164	-0.0017	0.0155	-0.0024
2280	0.004	-0.201	-0.148	-0.0018	0.0156	-0.0026
2290	0.026	-0.195	-0.134	-0.0090	0.0222	-0.0236
2300	0.051	-0.185	-0.119	-0.0091	0.0222	-0.0239
2310	0.092	-0.168	-0.096	-0.0091	0.0220	-0.0245
2320	0.066	-0.118	-0.052	-0.0091	0.0215	-0.0248
2330	0.028	0.023	0.026	0.0043	-0.0000	-0.0081
2338	0.143	-0.075	-0.014	0.0035	0.0051	0.0006
2339	0.146	-0.055	-0.016	0.0043	0.0025	0.0315
2340	0.108	-0.028	-0.013	0.0056	0.0011	0.0495
2345	0.000	-0.000	0.000	0.0063	-0.0006	0.0432
2350	0.000	0.176	-0.000	-0.0175	-0.0120	-0.0372
2358	0.091	0.204	-0.047	-0.0218	-0.0137	-0.0413
2359	0.122	0.230	-0.072	-0.0160	-0.0120	-0.0290
2360	0.119	0.251	-0.086	-0.0090	-0.0018	-0.0060
2370	0.118	0.252	-0.086	-0.0088	-0.0016	-0.0058
2380	0.102	0.259	-0.088	-0.0086	-0.0015	-0.0056
2390	0.072	0.272	-0.091	-0.0084	-0.0010	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.068	0.308	-0.036	-0.0084	-0.0010	-0.0054
2410	0.056	0.404	0.108	-0.0084	-0.0010	-0.0054
2420	0.043	0.284	-0.093	-0.0081	-0.0006	-0.0051
2430	0.051	-0.089	-0.027	-0.0091	0.0210	-0.0249
2440	0.022	-0.047	-0.008	-0.0091	0.0065	-0.0264
2445	0.000	-0.000	-0.000	-0.0092	-0.0000	-0.0266
2449	-0.095	0.217	-0.130	-0.0116	-0.0192	-0.0197
2450	-0.080	0.205	-0.167	-0.0156	-0.0067	-0.0170
2451	-0.088	0.182	-0.081	-0.0093	-0.0166	-0.0257
2460	-0.079	0.203	-0.168	-0.0156	-0.0066	-0.0169
2470	-0.070	0.183	-0.185	-0.0156	-0.0066	-0.0169
2480	-0.033	0.094	-0.257	-0.0157	-0.0064	-0.0167
2490	-0.025	0.073	-0.274	-0.0157	-0.0064	-0.0167
2500	0.000	-0.000	-0.329	-0.0182	-0.0052	-0.0145
2510	0.037	-0.160	-0.431	-0.0202	-0.0042	-0.0106
2518	0.056	-0.250	-0.489	-0.0183	-0.0041	-0.0083
2519	0.068	-0.261	-0.519	-0.0020	-0.0024	-0.0062
2520	0.075	-0.235	-0.515	0.0161	-0.0004	0.0000
2530	0.000	0.134	-0.000	0.0071	-0.0028	0.0029
2538	-0.018	0.535	-0.268	-0.0136	-0.0055	-0.0017
2539	-0.001	0.556	-0.289	-0.0125	-0.0062	-0.0051
2540	0.027	0.553	-0.285	-0.0117	-0.0080	-0.0077
2550	0.115	0.498	-0.230	-0.0113	-0.0084	-0.0078
2560	0.144	0.480	-0.211	-0.0111	-0.0084	-0.0076
2570	0.076	0.565	-0.109	-0.0101	-0.0083	-0.0072
2578	0.038	0.609	-0.051	-0.0095	-0.0080	-0.0069
2579	0.014	0.614	-0.008	-0.0037	-0.0041	-0.0052
2580	0.001	0.580	0.005	0.0056	-0.0021	-0.0014
2590	-0.000	0.569	-0.000	0.0059	-0.0019	-0.0013
2600	-0.003	0.538	-0.020	0.0054	-0.0016	-0.0010
2610	-0.005	0.516	-0.030	0.0053	-0.0016	-0.0010
2620	-0.017	0.351	-0.087	0.0032	-0.0014	-0.0008
2630	-0.019	0.328	-0.092	0.0029	-0.0014	-0.0008
2640	-0.020	0.297	-0.090	-0.0026	-0.0011	0.0001
2648	0.164	0.452	-0.242	-0.0114	-0.0082	-0.0077
2649	0.199	0.405	-0.271	-0.0151	-0.0054	-0.0090
2650	0.239	0.359	-0.276	-0.0161	-0.0020	-0.0101
2658	0.274	0.331	-0.271	-0.0164	-0.0018	-0.0101
2659	0.299	0.288	-0.250	-0.0162	0.0003	-0.0091
2660	0.289	0.241	-0.205	-0.0172	0.0006	-0.0083
2690	-0.017	0.266	-0.074	-0.0064	-0.0012	0.0012
2700	-0.012	0.235	-0.050	-0.0101	-0.0016	0.0023
2710	-0.008	0.216	-0.034	-0.0102	-0.0016	0.0024
3120	0.007	0.295	-0.091	-0.0048	0.0006	-0.0019
3130	0.027	0.290	-0.093	-0.0080	-0.0004	-0.0050
3190	0.002	0.161	0.004	-0.0027	-0.0023	0.0011
3200	-0.000	0.177	-0.000	-0.0067	-0.0020	0.0019
3210	-0.004	0.193	-0.015	-0.0101	-0.0016	0.0024
3220	-0.007	0.213	-0.031	-0.0102	-0.0016	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.364	0.782	0.0004	0.0015	0.0013
4030	0.009	0.363	0.802	0.0005	0.0017	0.0015
4040	0.015	0.361	0.824	0.0024	0.0039	0.0065
4050	0.022	0.357	0.843	0.0024	0.0039	0.0067
4060	0.028	0.353	0.863	0.0025	0.0039	0.0069
4068	0.036	0.347	0.885	0.0046	0.0027	0.0119
4069	0.039	0.307	0.892	0.0273	-0.0102	0.0152
4070	0.072	0.257	0.834	0.0410	-0.0130	0.0291
4078	0.126	0.235	0.761	0.0411	-0.0179	0.0304
4079	0.178	0.186	0.664	0.0431	-0.0262	0.0304
4080	0.176	0.128	0.559	0.0464	-0.0470	0.0197
4090	0.030	-0.065	0.000	0.0294	-0.0406	0.0141
4100	-0.102	-0.187	-0.298	0.0138	-0.0151	0.0080
4108	-0.125	-0.202	-0.326	0.0143	-0.0155	0.0074
4109	-0.149	-0.197	-0.344	0.0160	-0.0142	-0.0031
4110	-0.144	-0.168	-0.318	0.0238	-0.0112	-0.0110
4120	-0.142	-0.167	-0.315	0.0238	-0.0112	-0.0111
4130	-0.125	-0.147	-0.278	0.0239	-0.0112	-0.0111
4140	-0.025	-0.031	-0.057	0.0236	-0.0111	-0.0105
4150	-0.008	-0.011	-0.020	0.0232	-0.0111	-0.0103
4160	-0.000	-0.000	-0.000	0.0184	-0.0109	-0.0079
4170	0.009	0.032	0.026	0.0047	-0.0102	-0.0025
4180	0.010	0.055	0.025	-0.0020	-0.0108	0.0007
4190	0.009	0.074	0.022	-0.0022	-0.0108	0.0008
4200	0.007	0.108	0.015	-0.0024	-0.0109	0.0009
4210	-0.033	0.117	0.061	-0.0024	-0.0109	0.0009
4220	-0.084	0.128	0.120	-0.0024	-0.0109	0.0009
4230	0.004	0.141	0.009	-0.0026	-0.0109	0.0011
4240	-0.119	-0.206	-0.276	0.0091	-0.0055	0.0051
4250	-0.115	-0.215	-0.256	-0.0004	0.0136	-0.0016
4260	-0.099	-0.214	-0.241	-0.0007	0.0140	-0.0018
4270	-0.017	-0.208	-0.171	-0.0014	0.0154	-0.0027
4280	0.002	-0.206	-0.155	-0.0015	0.0155	-0.0029
4290	0.024	-0.201	-0.141	-0.0088	0.0229	-0.0245
4300	0.050	-0.191	-0.126	-0.0089	0.0230	-0.0248
4310	0.092	-0.174	-0.103	-0.0089	0.0228	-0.0254
4320	0.067	-0.122	-0.057	-0.0089	0.0223	-0.0257
4330	0.028	0.023	0.037	0.0042	-0.0052	-0.0081
4338	0.143	-0.075	0.003	0.0008	0.0070	0.0006
4339	0.146	-0.055	-0.002	0.0009	0.0056	0.0315
4340	0.108	-0.027	-0.004	0.0015	0.0046	0.0495
4345	0.000	-0.000	0.000	0.0023	0.0030	0.0431
4350	0.000	0.177	-0.000	-0.0107	-0.0072	-0.0372
4358	0.091	0.204	-0.030	-0.0137	-0.0088	-0.0412
4359	0.122	0.230	-0.046	-0.0107	-0.0082	-0.0289
4360	0.119	0.251	-0.055	-0.0066	-0.0025	-0.0060
4370	0.118	0.252	-0.056	-0.0064	-0.0024	-0.0057
4380	0.102	0.259	-0.059	-0.0063	-0.0024	-0.0056
4390	0.072	0.272	-0.064	-0.0062	-0.0021	-0.0053

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.063	0.298	-0.009	-0.0062	-0.0021	-0.0053
4410	0.039	0.369	0.135	-0.0062	-0.0021	-0.0053
4420	0.043	0.284	-0.069	-0.0060	-0.0019	-0.0050
4430	0.052	-0.092	-0.031	-0.0089	0.0218	-0.0258
4440	0.022	-0.048	-0.011	-0.0088	0.0079	-0.0273
4445	0.000	-0.000	-0.000	-0.0088	0.0017	-0.0274
4449	-0.096	0.221	-0.111	-0.0114	-0.0180	-0.0187
4450	-0.082	0.209	-0.148	-0.0158	-0.0069	-0.0154
4451	-0.087	0.186	-0.066	-0.0087	-0.0144	-0.0261
4460	-0.081	0.207	-0.149	-0.0158	-0.0068	-0.0153
4470	-0.072	0.186	-0.166	-0.0158	-0.0068	-0.0153
4480	-0.034	0.096	-0.238	-0.0159	-0.0066	-0.0151
4490	-0.025	0.075	-0.255	-0.0159	-0.0066	-0.0151
4500	-0.000	-0.000	-0.310	-0.0186	-0.0048	-0.0124
4510	0.030	-0.166	-0.412	-0.0209	-0.0033	-0.0075
4518	0.045	-0.259	-0.470	-0.0190	-0.0036	-0.0047
4519	0.056	-0.270	-0.500	-0.0016	-0.0044	-0.0032
4520	0.060	-0.243	-0.494	0.0173	-0.0034	0.0026
4530	0.000	0.125	-0.000	0.0020	-0.0139	-0.0043
4538	0.425	0.524	-0.576	-0.0249	-0.0255	-0.0171
4539	0.466	0.534	-0.599	-0.0207	-0.0281	-0.0155
4540	0.503	0.517	-0.555	-0.0177	-0.0351	-0.0127
4550	0.592	0.432	-0.308	-0.0162	-0.0376	-0.0116
4560	0.621	0.406	-0.222	-0.0156	-0.0384	-0.0111
4570	0.310	0.528	-0.120	-0.0147	-0.0385	-0.0122
4578	0.135	0.594	-0.062	-0.0141	-0.0373	-0.0128
4579	0.037	0.611	-0.014	-0.0071	-0.0229	-0.0081
4580	0.001	0.579	0.005	0.0054	-0.0173	-0.0014
4590	0.000	0.568	-0.000	0.0058	-0.0167	-0.0013
4600	-0.003	0.538	-0.020	0.0056	-0.0150	-0.0010
4610	-0.005	0.515	-0.030	0.0055	-0.0149	-0.0010
4620	-0.017	0.350	-0.090	0.0034	-0.0144	-0.0008
4630	-0.019	0.328	-0.096	0.0031	-0.0143	-0.0008
4640	-0.020	0.297	-0.093	-0.0026	-0.0126	0.0001
4648	0.718	0.367	-0.253	-0.0158	-0.0381	-0.0105
4649	0.826	0.311	-0.253	-0.0153	-0.0266	-0.0092
4650	0.887	0.276	-0.214	-0.0134	-0.0129	-0.0031
4658	0.923	0.267	-0.181	-0.0135	-0.0122	-0.0026
4659	0.962	0.256	-0.144	-0.0113	-0.0048	0.0054
4660	1.000	0.228	-0.109	-0.0116	-0.0036	0.0092
4690	-0.017	0.266	-0.077	-0.0066	-0.0123	0.0012
4700	-0.012	0.235	-0.052	-0.0106	-0.0119	0.0024
4710	-0.008	0.216	-0.035	-0.0107	-0.0119	0.0024
5120	0.007	0.295	-0.076	-0.0039	-0.0064	-0.0019
5130	0.026	0.290	-0.071	-0.0059	-0.0020	-0.0049
5190	0.002	0.161	0.005	-0.0028	-0.0110	0.0011
5200	-0.000	0.177	-0.000	-0.0070	-0.0114	0.0019
5210	-0.004	0.193	-0.016	-0.0106	-0.0118	0.0024
5220	-0.007	0.213	-0.033	-0.0107	-0.0119	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.364	0.782	0.0004	0.0015	0.0013
6030	0.009	0.363	0.802	0.0005	0.0017	0.0015
6040	0.015	0.360	0.824	0.0024	0.0038	0.0065
6050	0.021	0.357	0.843	0.0025	0.0039	0.0067
6060	0.028	0.353	0.863	0.0026	0.0039	0.0069
6068	0.035	0.346	0.885	0.0047	0.0026	0.0119
6069	0.039	0.306	0.892	0.0274	-0.0104	0.0151
6070	0.071	0.257	0.834	0.0409	-0.0133	0.0290
6078	0.125	0.234	0.761	0.0410	-0.0182	0.0303
6079	0.176	0.185	0.664	0.0427	-0.0264	0.0304
6080	0.174	0.127	0.560	0.0460	-0.0471	0.0199
6090	0.029	-0.067	0.000	0.0286	-0.0405	0.0141
6100	-0.104	-0.189	-0.293	0.0128	-0.0141	0.0077
6108	-0.127	-0.203	-0.320	0.0129	-0.0141	0.0070
6109	-0.151	-0.198	-0.332	0.0153	-0.0089	-0.0035
6110	-0.144	-0.168	-0.303	0.0227	-0.0049	-0.0111
6120	-0.143	-0.167	-0.300	0.0227	-0.0048	-0.0111
6130	-0.126	-0.147	-0.265	0.0228	-0.0047	-0.0111
6140	-0.025	-0.031	-0.054	0.0225	-0.0044	-0.0105
6150	-0.009	-0.011	-0.020	0.0222	-0.0044	-0.0104
6160	-0.000	-0.000	-0.000	0.0175	-0.0038	-0.0080
6170	0.009	0.032	0.024	0.0045	-0.0019	-0.0025
6180	0.010	0.055	0.024	-0.0019	-0.0013	0.0007
6190	0.009	0.074	0.020	-0.0021	-0.0012	0.0008
6200	0.007	0.108	0.014	-0.0023	-0.0012	0.0009
6210	0.003	0.116	0.060	-0.0023	-0.0012	0.0009
6220	-0.003	0.127	0.119	-0.0023	-0.0012	0.0009
6230	0.004	0.142	0.008	-0.0025	-0.0011	0.0011
6240	-0.119	-0.207	-0.271	0.0086	-0.0048	0.0047
6250	-0.115	-0.215	-0.252	0.0001	0.0137	-0.0021
6260	-0.098	-0.215	-0.236	-0.0001	0.0141	-0.0023
6270	-0.015	-0.213	-0.166	-0.0008	0.0154	-0.0032
6280	0.003	-0.212	-0.151	-0.0008	0.0156	-0.0034
6290	0.025	-0.207	-0.137	-0.0085	0.0225	-0.0254
6300	0.051	-0.197	-0.122	-0.0085	0.0225	-0.0257
6310	0.092	-0.181	-0.099	-0.0086	0.0223	-0.0264
6320	0.066	-0.128	-0.054	-0.0086	0.0218	-0.0266
6330	0.028	0.023	0.025	0.0044	0.0007	-0.0081
6338	0.143	-0.075	-0.017	0.0039	0.0049	0.0006
6339	0.146	-0.055	-0.018	0.0048	0.0022	0.0315
6340	0.108	-0.028	-0.014	0.0062	0.0007	0.0495
6345	0.000	-0.001	0.000	0.0068	-0.0011	0.0431
6350	0.000	0.176	-0.000	-0.0185	-0.0126	-0.0371
6358	0.090	0.203	-0.050	-0.0229	-0.0144	-0.0411
6359	0.121	0.229	-0.076	-0.0168	-0.0125	-0.0289
6360	0.118	0.251	-0.090	-0.0094	-0.0016	-0.0061
6370	0.117	0.251	-0.090	-0.0091	-0.0014	-0.0058
6380	0.101	0.259	-0.092	-0.0090	-0.0013	-0.0057
6390	0.072	0.271	-0.095	-0.0087	-0.0008	-0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.068	0.309	-0.040	-0.0087	-0.0008	-0.0054
6410	0.059	0.408	0.105	-0.0087	-0.0008	-0.0054
6420	0.042	0.284	-0.096	-0.0084	-0.0003	-0.0051
6430	0.052	-0.097	-0.028	-0.0086	0.0213	-0.0267
6440	0.022	-0.051	-0.009	-0.0089	0.0070	-0.0286
6445	0.000	-0.000	-0.000	-0.0090	0.0006	-0.0289
6449	-0.096	0.238	-0.123	-0.0120	-0.0186	-0.0218
6450	-0.081	0.227	-0.159	-0.0171	-0.0067	-0.0186
6451	-0.088	0.199	-0.075	-0.0095	-0.0158	-0.0282
6460	-0.080	0.225	-0.161	-0.0171	-0.0066	-0.0186
6470	-0.071	0.202	-0.178	-0.0171	-0.0066	-0.0185
6480	-0.034	0.104	-0.250	-0.0172	-0.0065	-0.0184
6490	-0.025	0.081	-0.267	-0.0173	-0.0065	-0.0183
6500	0.000	-0.000	-0.322	-0.0205	-0.0054	-0.0160
6510	0.039	-0.183	-0.423	-0.0234	-0.0045	-0.0118
6518	0.059	-0.288	-0.482	-0.0216	-0.0045	-0.0094
6519	0.073	-0.305	-0.514	-0.0044	-0.0026	-0.0071
6520	0.081	-0.280	-0.513	0.0151	-0.0005	-0.0004
6530	0.000	0.089	-0.000	0.0078	-0.0029	0.0039
6538	-0.054	0.490	-0.249	-0.0143	-0.0057	-0.0016
6539	-0.036	0.509	-0.274	-0.0161	-0.0055	-0.0077
6540	-0.004	0.498	-0.276	-0.0164	-0.0061	-0.0126
6550	0.083	0.409	-0.235	-0.0174	-0.0062	-0.0126
6560	0.112	0.380	-0.220	-0.0177	-0.0061	-0.0121
6570	0.064	0.518	-0.119	-0.0166	-0.0058	-0.0106
6578	0.038	0.593	-0.061	-0.0159	-0.0057	-0.0098
6579	0.016	0.612	-0.013	-0.0070	-0.0022	-0.0076
6580	0.001	0.580	0.005	0.0054	0.0002	-0.0016
6590	-0.000	0.568	-0.000	0.0057	0.0003	-0.0015
6600	-0.003	0.538	-0.020	0.0053	0.0004	-0.0011
6610	-0.005	0.515	-0.029	0.0052	0.0004	-0.0011
6620	-0.018	0.351	-0.086	0.0032	0.0005	-0.0008
6630	-0.019	0.328	-0.091	0.0029	0.0005	-0.0008
6640	-0.020	0.297	-0.088	-0.0026	0.0006	0.0002
6648	0.127	0.335	-0.252	-0.0180	-0.0061	-0.0123
6649	0.158	0.265	-0.281	-0.0208	-0.0057	-0.0136
6650	0.200	0.200	-0.281	-0.0214	-0.0049	-0.0144
6658	0.235	0.160	-0.268	-0.0215	-0.0048	-0.0143
6659	0.257	0.108	-0.234	-0.0203	-0.0019	-0.0104
6660	0.251	0.062	-0.180	-0.0175	-0.0003	-0.0046
6690	-0.017	0.266	-0.073	-0.0063	0.0004	0.0012
6700	-0.012	0.235	-0.049	-0.0100	-0.0001	0.0024
6710	-0.008	0.216	-0.033	-0.0101	-0.0001	0.0024
7120	0.007	0.295	-0.093	-0.0049	0.0016	-0.0019
7130	0.026	0.290	-0.096	-0.0082	-0.0002	-0.0050
7190	0.002	0.161	0.004	-0.0027	-0.0011	0.0011
7200	-0.000	0.177	-0.000	-0.0066	-0.0006	0.0019
7210	-0.004	0.193	-0.015	-0.0100	-0.0002	0.0024
7220	-0.008	0.213	-0.031	-0.0101	-0.0001	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	0.0001	0.0004	0.0003
7560	0.004	0.364	0.763	0.0003	0.0013	0.0010
7570	0.006	0.364	0.782	0.0004	0.0015	0.0013
8020	0.006	0.364	0.782	0.0004	0.0015	0.0013
8030	0.009	0.363	0.802	0.0005	0.0017	0.0015
8040	0.015	0.360	0.824	0.0024	0.0038	0.0065
8050	0.021	0.357	0.843	0.0024	0.0039	0.0067
8060	0.027	0.353	0.863	0.0025	0.0039	0.0069
8068	0.035	0.347	0.885	0.0044	0.0026	0.0120
8069	0.039	0.309	0.894	0.0251	-0.0104	0.0153
8070	0.072	0.261	0.841	0.0371	-0.0132	0.0294
8078	0.126	0.239	0.775	0.0371	-0.0181	0.0308
8079	0.179	0.190	0.686	0.0391	-0.0264	0.0312
8080	0.178	0.130	0.583	0.0428	-0.0482	0.0207
8090	0.032	-0.072	0.000	0.0264	-0.0441	0.0142
8100	-0.100	-0.190	-0.337	0.0113	-0.0167	0.0073
8108	-0.123	-0.204	-0.368	0.0117	-0.0160	0.0067
8109	-0.147	-0.198	-0.378	0.0162	-0.0050	-0.0036
8110	-0.141	-0.168	-0.340	0.0255	0.0008	-0.0108
8120	-0.140	-0.167	-0.337	0.0256	0.0009	-0.0109
8130	-0.123	-0.147	-0.297	0.0256	0.0010	-0.0109
8140	-0.024	-0.031	-0.061	0.0252	0.0014	-0.0103
8150	-0.008	-0.011	-0.022	0.0248	0.0015	-0.0101
8160	-0.000	-0.000	-0.000	0.0197	0.0024	-0.0078
8170	0.009	0.033	0.028	0.0051	0.0050	-0.0024
8180	0.010	0.055	0.027	-0.0022	0.0066	0.0006
8190	0.009	0.074	0.023	-0.0024	0.0067	0.0008
8200	0.007	0.108	0.016	-0.0026	0.0068	0.0009
8210	0.031	0.118	0.062	-0.0026	0.0068	0.0009
8220	0.063	0.130	0.121	-0.0026	0.0068	0.0009
8230	0.004	0.142	0.009	-0.0028	0.0069	0.0010
8240	-0.120	-0.205	-0.316	0.0069	-0.0070	0.0047
8250	-0.118	-0.211	-0.296	-0.0018	0.0126	-0.0016
8260	-0.103	-0.208	-0.281	-0.0020	0.0131	-0.0017
8270	-0.026	-0.195	-0.211	-0.0026	0.0146	-0.0025
8280	-0.008	-0.192	-0.196	-0.0027	0.0147	-0.0027
8290	0.015	-0.186	-0.181	-0.0081	0.0269	-0.0227
8300	0.046	-0.177	-0.167	-0.0081	0.0270	-0.0231
8310	0.096	-0.162	-0.143	-0.0081	0.0269	-0.0236
8320	0.070	-0.114	-0.089	-0.0080	0.0266	-0.0238
8330	0.028	0.023	0.019	0.0053	0.0057	-0.0081
8338	0.143	-0.075	-0.033	0.0068	0.0036	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.145	-0.056	-0.032	0.0082	-0.0003	0.0314
8340	0.108	-0.028	-0.022	0.0102	-0.0021	0.0494
8345	0.000	-0.001	0.000	0.0106	-0.0041	0.0431
8350	0.000	0.175	-0.000	-0.0249	-0.0171	-0.0376
8358	0.092	0.203	-0.067	-0.0306	-0.0191	-0.0418
8359	0.123	0.229	-0.101	-0.0219	-0.0162	-0.0294
8360	0.121	0.251	-0.119	-0.0118	-0.0011	-0.0061
8370	0.120	0.251	-0.119	-0.0114	-0.0009	-0.0059
8380	0.104	0.258	-0.120	-0.0112	-0.0007	-0.0057
8390	0.074	0.271	-0.121	-0.0108	-0.0001	-0.0055
8400	0.074	0.318	-0.067	-0.0108	-0.0001	-0.0055
8410	0.073	0.442	0.078	-0.0108	-0.0001	-0.0055
8420	0.044	0.284	-0.121	-0.0105	0.0007	-0.0052
8430	0.055	-0.086	-0.058	-0.0080	0.0263	-0.0239
8440	0.022	-0.045	-0.026	-0.0074	0.0161	-0.0252
8445	0.000	-0.000	-0.000	-0.0072	0.0114	-0.0252
8449	-0.063	0.126	0.001	-0.0080	-0.0087	-0.0213
8450	-0.058	0.126	-0.030	-0.0095	-0.0047	-0.0198
8451	-0.045	0.089	0.020	-0.0069	0.0041	-0.0248
8460	-0.058	0.125	-0.032	-0.0095	-0.0047	-0.0197
8470	-0.052	0.112	-0.049	-0.0095	-0.0047	-0.0197
8480	-0.025	0.058	-0.121	-0.0096	-0.0046	-0.0196
8490	-0.019	0.045	-0.138	-0.0096	-0.0046	-0.0196
8500	0.000	-0.000	-0.193	-0.0114	-0.0043	-0.0180
8510	0.032	-0.102	-0.295	-0.0130	-0.0036	-0.0152
8518	0.047	-0.161	-0.353	-0.0120	-0.0028	-0.0136
8519	0.057	-0.165	-0.381	-0.0016	0.0028	-0.0106
8520	0.067	-0.139	-0.382	0.0106	0.0060	-0.0037
8530	-0.000	0.228	-0.000	0.0080	0.0145	0.0099
8538	-0.518	0.633	0.032	0.0017	0.0239	0.0176
8539	-0.538	0.668	0.020	0.0049	0.0237	0.0134
8540	-0.525	0.699	-0.024	0.0048	0.0267	0.0086
8550	-0.482	0.728	-0.119	0.0059	0.0276	0.0079
8560	-0.454	0.745	-0.182	0.0065	0.0284	0.0074
8570	-0.224	0.689	-0.080	0.0072	0.0283	0.0078
8578	-0.096	0.656	-0.022	0.0072	0.0276	0.0080
8579	-0.023	0.622	0.006	0.0057	0.0181	0.0047
8580	0.000	0.580	0.005	0.0063	0.0142	-0.0007
8590	-0.000	0.569	-0.000	0.0064	0.0138	-0.0007
8600	-0.002	0.538	-0.020	0.0054	0.0127	-0.0009
8610	-0.004	0.516	-0.030	0.0052	0.0127	-0.0009
8620	-0.015	0.351	-0.086	0.0031	0.0124	-0.0008
8630	-0.017	0.329	-0.091	0.0028	0.0123	-0.0008
8640	-0.018	0.297	-0.088	-0.0027	0.0112	0.0001
8648	-0.525	0.761	-0.214	0.0063	0.0283	0.0072
8649	-0.584	0.779	-0.278	0.0011	0.0225	0.0047
8650	-0.572	0.784	-0.344	-0.0019	0.0139	-0.0012
8658	-0.538	0.780	-0.381	-0.0024	0.0134	-0.0016
8659	-0.510	0.751	-0.403	-0.0061	0.0053	-0.0086

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.528	0.703	-0.381	-0.0121	0.0022	-0.0135
8690	-0.016	0.266	-0.073	-0.0063	0.0106	0.0011
8700	-0.011	0.236	-0.049	-0.0100	0.0094	0.0022
8710	-0.007	0.216	-0.033	-0.0100	0.0094	0.0022
9120	0.009	0.295	-0.110	-0.0058	0.0079	-0.0020
9130	0.028	0.290	-0.119	-0.0102	0.0011	-0.0051
9190	0.002	0.161	0.005	-0.0030	0.0070	0.0011
9200	-0.000	0.177	-0.000	-0.0068	0.0081	0.0018
9210	-0.003	0.193	-0.015	-0.0100	0.0093	0.0022
9220	-0.007	0.213	-0.031	-0.0100	0.0093	0.0022
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	0.0001	0.0004	0.0003
9560	0.004	0.364	0.763	0.0003	0.0013	0.0010
9570	0.006	0.364	0.782	0.0004	0.0015	0.0013
10020	0.006	0.364	0.782	0.0004	0.0015	0.0013
10030	0.009	0.363	0.802	0.0004	0.0017	0.0015
10040	0.015	0.361	0.824	0.0022	0.0038	0.0065
10050	0.022	0.358	0.843	0.0023	0.0039	0.0067
10060	0.028	0.354	0.863	0.0024	0.0039	0.0069
10068	0.035	0.348	0.885	0.0045	0.0026	0.0119
10069	0.038	0.308	0.892	0.0280	-0.0112	0.0149
10070	0.069	0.257	0.831	0.0421	-0.0144	0.0282
10078	0.121	0.235	0.756	0.0421	-0.0194	0.0295
10079	0.171	0.187	0.658	0.0426	-0.0273	0.0291
10080	0.168	0.132	0.552	0.0451	-0.0473	0.0184
10090	0.022	-0.050	0.000	0.0256	-0.0381	0.0140
10100	-0.110	-0.182	-0.256	0.0077	-0.0110	0.0097
10108	-0.133	-0.200	-0.277	0.0078	-0.0111	0.0090
10109	-0.158	-0.197	-0.288	0.0104	-0.0057	-0.0027
10110	-0.152	-0.168	-0.264	0.0196	-0.0009	-0.0116
10120	-0.150	-0.167	-0.261	0.0197	-0.0007	-0.0117
10130	-0.132	-0.147	-0.231	0.0197	-0.0007	-0.0117
10140	-0.026	-0.031	-0.048	0.0196	-0.0003	-0.0111
10150	-0.009	-0.011	-0.017	0.0194	-0.0003	-0.0109
10160	-0.000	-0.000	-0.000	0.0153	0.0004	-0.0084
10170	0.010	0.033	0.021	0.0039	0.0025	-0.0026
10180	0.011	0.055	0.021	-0.0017	0.0037	0.0007
10190	0.009	0.075	0.018	-0.0018	0.0038	0.0008
10200	0.007	0.108	0.012	-0.0020	0.0038	0.0010
10210	0.021	0.116	0.059	-0.0020	0.0038	0.0010
10220	0.039	0.125	0.118	-0.0020	0.0038	0.0010
10230	0.004	0.142	0.007	-0.0022	0.0039	0.0011
10240	-0.120	-0.191	-0.234	0.0030	-0.0023	0.0077

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.113	-0.190	-0.214	-0.0063	0.0148	0.0031
10260	-0.095	-0.182	-0.199	-0.0065	0.0152	0.0030
10270	-0.007	-0.144	-0.129	-0.0072	0.0164	0.0024
10280	0.013	-0.135	-0.114	-0.0073	0.0165	0.0023
10290	0.034	-0.124	-0.099	-0.0124	0.0187	-0.0126
10300	0.055	-0.110	-0.084	-0.0125	0.0186	-0.0129
10310	0.089	-0.087	-0.061	-0.0124	0.0183	-0.0133
10320	0.064	-0.060	-0.024	-0.0124	0.0177	-0.0135
10330	0.029	0.023	0.016	0.0041	0.0038	-0.0082
10338	0.143	-0.075	-0.028	0.0055	0.0035	0.0005
10339	0.146	-0.056	-0.027	0.0067	-0.0000	0.0315
10340	0.109	-0.028	-0.019	0.0087	-0.0018	0.0496
10345	0.000	-0.001	0.000	0.0093	-0.0036	0.0434
10350	0.000	0.175	-0.000	-0.0226	-0.0158	-0.0382
10358	0.094	0.203	-0.061	-0.0279	-0.0177	-0.0426
10359	0.126	0.229	-0.092	-0.0202	-0.0152	-0.0299
10360	0.123	0.251	-0.109	-0.0111	-0.0016	-0.0061
10370	0.122	0.252	-0.109	-0.0107	-0.0014	-0.0059
10380	0.106	0.259	-0.111	-0.0106	-0.0012	-0.0057
10390	0.077	0.272	-0.113	-0.0102	-0.0006	-0.0054
10400	0.074	0.316	-0.059	-0.0102	-0.0006	-0.0054
10410	0.066	0.433	0.086	-0.0102	-0.0006	-0.0054
10420	0.047	0.284	-0.114	-0.0099	0.0000	-0.0052
10430	0.049	-0.044	-0.004	-0.0123	0.0171	-0.0135
10440	0.022	-0.025	0.005	-0.0114	-0.0006	-0.0137
10445	0.000	-0.001	-0.000	-0.0111	-0.0084	-0.0134
10449	-0.112	0.122	-0.293	-0.0102	-0.0270	-0.0097
10450	-0.089	0.111	-0.334	-0.0089	-0.0075	-0.0096
10451	-0.113	0.110	-0.222	-0.0100	-0.0319	-0.0117
10460	-0.088	0.110	-0.336	-0.0088	-0.0074	-0.0095
10470	-0.078	0.098	-0.353	-0.0088	-0.0073	-0.0095
10480	-0.037	0.048	-0.424	-0.0088	-0.0072	-0.0095
10490	-0.028	0.036	-0.441	-0.0088	-0.0071	-0.0095
10500	0.000	-0.000	-0.497	-0.0078	-0.0062	-0.0088
10510	0.046	-0.052	-0.598	-0.0047	-0.0052	-0.0075
10518	0.069	-0.068	-0.656	-0.0021	-0.0043	-0.0068
10519	0.076	-0.049	-0.674	0.0127	0.0010	-0.0044
10520	0.078	-0.012	-0.646	0.0267	0.0036	-0.0001
10525	-0.000	0.308	-0.000	0.0155	0.0121	0.0075
10530	-0.035	0.360	0.047	0.0093	0.0135	0.0093
10538	-0.529	0.766	0.133	0.0075	0.0244	0.0202
10539	-0.563	0.809	0.142	0.0200	0.0214	0.0254
10540	-0.560	0.871	0.120	0.0233	0.0211	0.0288
10550	-0.451	1.125	-0.076	0.0321	0.0231	0.0275
10560	-0.422	1.187	-0.129	0.0343	0.0238	0.0265
10570	-0.228	0.902	-0.028	0.0359	0.0242	0.0232
10578	-0.117	0.737	0.030	0.0354	0.0239	0.0213
10579	-0.038	0.638	0.034	0.0229	0.0150	0.0159
10580	-0.000	0.581	0.007	0.0079	0.0086	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.570	-0.000	0.0076	0.0084	0.0002
10600	-0.001	0.539	-0.022	0.0057	0.0079	-0.0007
10610	-0.002	0.517	-0.032	0.0055	0.0078	-0.0007
10620	-0.013	0.352	-0.090	0.0032	0.0077	-0.0008
10630	-0.014	0.329	-0.095	0.0029	0.0076	-0.0007
10640	-0.015	0.298	-0.092	-0.0029	0.0070	-0.0001
10648	-0.482	1.273	-0.161	0.0337	0.0236	0.0270
10649	-0.527	1.379	-0.220	0.0201	0.0184	0.0228
10650	-0.511	1.453	-0.277	0.0144	0.0126	0.0160
10658	-0.477	1.498	-0.311	0.0123	0.0123	0.0156
10659	-0.434	1.510	-0.347	0.0052	0.0037	0.0006
10660	-0.445	1.467	-0.336	-0.0140	-0.0029	-0.0182
10690	-0.014	0.267	-0.076	-0.0067	0.0066	0.0008
10700	-0.010	0.236	-0.051	-0.0103	0.0057	0.0019
10710	-0.007	0.216	-0.034	-0.0104	0.0057	0.0019
11120	0.012	0.296	-0.107	-0.0057	0.0053	-0.0020
11130	0.031	0.291	-0.114	-0.0097	0.0003	-0.0050
11190	0.002	0.162	0.004	-0.0024	0.0040	0.0012
11200	-0.000	0.178	-0.000	-0.0066	0.0048	0.0017
11210	-0.003	0.194	-0.015	-0.0103	0.0056	0.0019
11220	-0.006	0.213	-0.032	-0.0104	0.0057	0.0019
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	0.0001	0.0004	0.0003
11560	0.004	0.364	0.763	0.0003	0.0013	0.0010
11570	0.006	0.364	0.782	0.0004	0.0015	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	0.0001	0.0004	0.0003
13560	0.004	0.364	0.763	0.0004	0.0013	0.0010
13570	0.006	0.364	0.782	0.0004	0.0015	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	0.0001	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 13 (OPE) W+T3+P1+F1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.364	0.763	0.0004	0.0013	0.0010
15570	0.006	0.364	0.782	0.0004	0.0015	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	0.0001	0.0004	0.0003
17560	0.004	0.364	0.763	0.0003	0.0013	0.0010
17570	0.006	0.364	0.782	0.0004	0.0015	0.0013
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	-0.000	-0.001	0.172	0.0001	0.0000	-0.0001
18020	0.000	-0.003	0.451	0.0001	0.0001	-0.0002
18022	0.069	-0.004	0.450	0.0001	0.0001	-0.0003
18025	0.069	-0.004	0.450	0.0001	0.0001	-0.0003
18027	0.091	-0.005	0.449	0.0003	0.0007	-0.0008
18030	0.114	-0.007	0.448	0.0004	0.0007	-0.0008
18040	0.001	-0.006	0.726	0.0001	0.0000	-0.0002
18042	0.001	-0.006	0.726	0.0001	0.0000	-0.0002
18045	0.001	-0.006	0.748	0.0003	-0.0001	-0.0004
18050	0.001	-0.007	0.771	0.0003	-0.0001	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	0.004	0.079	0.837	-0.0015	0.0002	0.0004
19550	0.001	0.168	0.823	-0.0015	0.0002	0.0004
19560	0.001	0.168	0.823	-0.0015	0.0002	0.0004
19580	0.001	0.178	0.821	-0.0016	0.0005	0.0005
19600	-0.000	0.195	0.818	-0.0016	0.0005	0.0005

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
30	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
40	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
50	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
60	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
68	-0.000	0.001	-0.000	-0.0002	-0.0000	-0.0000
69	-0.000	0.002	0.001	-0.0014	-0.0000	-0.0000
70	-0.000	0.004	0.004	-0.0025	0.0000	0.0000
78	-0.000	0.004	0.009	-0.0026	0.0000	0.0000
79	-0.000	0.003	0.014	-0.0029	0.0001	0.0001
80	-0.000	0.003	0.016	-0.0027	-0.0005	0.0003
90	-0.000	0.000	-0.000	-0.0025	-0.0035	0.0002
95	-0.000	-0.001	-0.035	-0.0024	-0.0069	0.0000
100	-0.000	-0.001	-0.066	-0.0023	-0.0090	-0.0000
108	-0.000	-0.001	-0.086	-0.0027	-0.0102	-0.0001
109	0.000	-0.000	-0.111	-0.0022	-0.0107	-0.0002
110	0.000	-0.000	-0.116	0.0081	-0.0061	0.0000
120	0.000	-0.000	-0.115	0.0082	-0.0060	0.0000
130	0.000	-0.000	-0.102	0.0083	-0.0059	0.0000
140	0.000	-0.000	-0.022	0.0088	-0.0056	0.0000
150	0.000	-0.000	-0.009	0.0087	-0.0055	0.0000
160	0.000	-0.000	-0.000	0.0068	-0.0048	0.0000
170	-0.000	0.000	0.008	0.0015	-0.0027	0.0000
180	-0.000	0.000	0.007	-0.0006	-0.0018	-0.0000
190	-0.000	0.000	0.006	-0.0007	-0.0018	-0.0000
200	-0.000	0.000	0.004	-0.0007	-0.0017	-0.0000
210	-0.006	0.003	0.004	-0.0007	-0.0017	-0.0000
220	-0.014	0.006	0.004	-0.0007	-0.0017	-0.0000
230	-0.000	0.000	0.003	-0.0008	-0.0016	-0.0000
240	-0.014	0.003	-0.066	-0.0017	-0.0072	0.0000
250	-0.023	0.004	-0.065	-0.0004	-0.0030	0.0002
260	-0.027	0.005	-0.065	-0.0004	-0.0029	0.0002
270	-0.041	0.007	-0.065	-0.0003	-0.0023	0.0003
280	-0.044	0.007	-0.065	-0.0003	-0.0021	0.0003
290	-0.039	0.007	-0.064	0.0005	0.0141	0.0009
300	-0.023	0.007	-0.064	0.0005	0.0144	0.0009
310	0.004	0.006	-0.064	0.0005	0.0149	0.0009
320	0.004	0.004	-0.033	0.0005	0.0148	0.0009
330	-0.000	0.000	0.010	0.0017	-0.0004	0.0000
338	-0.000	0.000	-0.017	0.0028	0.0033	-0.0000
339	-0.000	0.000	-0.018	0.0038	0.0006	-0.0000
340	-0.000	-0.000	-0.013	0.0058	-0.0009	-0.0000
345	-0.000	-0.000	0.000	0.0066	-0.0025	-0.0000
350	0.000	-0.000	-0.000	-0.0183	-0.0128	-0.0000
358	0.000	-0.000	-0.049	-0.0228	-0.0144	-0.0000
359	0.000	0.000	-0.076	-0.0167	-0.0124	-0.0000
360	0.000	0.000	-0.089	-0.0093	-0.0013	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.000	0.000	-0.089	-0.0090	-0.0011	0.0000
380	0.000	0.000	-0.091	-0.0089	-0.0010	0.0000
390	0.000	0.000	-0.093	-0.0086	-0.0005	0.0000
400	-0.002	0.037	-0.093	-0.0086	-0.0005	0.0000
410	-0.008	0.136	-0.093	-0.0086	-0.0005	0.0000
420	0.000	0.000	-0.093	-0.0083	-0.0000	0.0000
430	0.004	0.003	-0.016	0.0005	0.0144	0.0009
440	0.000	0.001	-0.000	0.0004	0.0014	0.0007
444	-0.000	0.000	-0.000	0.0004	-0.0053	0.0006
449	0.017	-0.003	-0.167	0.0004	-0.0182	-0.0001
450	0.033	-0.002	-0.177	0.0002	0.0021	-0.0001
451	-0.000	-0.003	-0.122	0.0003	-0.0223	0.0003
460	0.033	-0.002	-0.177	0.0002	0.0022	-0.0001
470	0.030	-0.002	-0.177	0.0002	0.0022	-0.0001
480	0.016	-0.001	-0.177	0.0002	0.0024	-0.0001
490	0.013	-0.000	-0.177	0.0002	0.0024	-0.0001
500	0.000	-0.000	-0.178	-0.0001	0.0029	-0.0002
510	-0.021	-0.003	-0.178	-0.0004	0.0023	-0.0003
518	-0.031	-0.005	-0.178	-0.0002	0.0021	-0.0004
519	-0.034	-0.004	-0.177	0.0019	0.0011	-0.0008
520	-0.032	-0.001	-0.171	0.0049	0.0007	-0.0013
530	-0.000	0.000	-0.000	0.0027	-0.0010	-0.0007
538	0.007	-0.000	-0.023	-0.0001	-0.0028	0.0000
539	0.007	-0.000	-0.020	0.0005	-0.0031	-0.0000
540	0.007	-0.000	-0.014	0.0004	-0.0029	-0.0001
550	0.008	-0.001	0.005	0.0001	-0.0018	-0.0001
560	0.008	-0.001	0.008	0.0000	-0.0009	-0.0002
570	0.002	-0.001	0.008	-0.0001	-0.0006	-0.0002
578	-0.001	-0.001	0.009	-0.0002	-0.0005	-0.0002
579	-0.001	0.001	0.010	-0.0002	0.0004	0.0000
580	-0.000	0.000	0.005	0.0055	0.0006	0.0000
590	-0.000	0.000	-0.000	0.0057	0.0007	0.0000
600	0.000	0.000	-0.019	0.0052	0.0007	0.0000
610	0.000	0.000	-0.029	0.0050	0.0007	0.0000
620	0.000	0.000	-0.083	0.0030	0.0008	0.0000
630	0.000	0.000	-0.088	0.0027	0.0008	0.0000
640	0.000	0.000	-0.085	-0.0026	0.0008	-0.0000
648	0.010	-0.001	0.008	0.0001	-0.0007	-0.0001
649	0.007	-0.001	0.006	0.0001	0.0024	-0.0001
650	0.003	-0.001	-0.003	0.0002	0.0036	-0.0000
658	0.003	-0.001	-0.013	0.0001	0.0035	-0.0001
659	0.003	-0.001	-0.021	-0.0006	0.0017	-0.0002
660	0.002	-0.002	-0.018	-0.0022	0.0007	-0.0002
670	0.001	-0.002	-0.001	-0.0024	0.0001	-0.0002
680	-0.000	-0.002	0.007	-0.0025	-0.0002	-0.0002
690	0.000	0.000	-0.069	-0.0062	0.0005	-0.0000
700	0.000	0.000	-0.046	-0.0094	-0.0002	-0.0000
705	0.000	-0.000	-0.000	-0.0025	-0.0012	-0.0001
710	0.000	0.000	-0.031	-0.0094	-0.0002	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	-0.000	-0.002	0.008	-0.0025	-0.0002	-0.0002
730	0.000	-0.000	-0.022	-0.0024	0.0018	-0.0000
735	-0.000	0.000	-0.000	-0.0026	-0.0001	-0.0000
740	0.000	0.001	-0.048	-0.0029	-0.0018	-0.0001
750	0.001	0.001	-0.070	-0.0032	0.0000	0.0000
758	0.001	0.001	-0.069	-0.0035	-0.0000	0.0000
759	0.001	0.001	-0.067	-0.0035	-0.0018	-0.0000
760	0.001	0.001	-0.054	-0.0035	-0.0024	-0.0000
770	0.000	0.000	-0.020	-0.0029	-0.0034	-0.0001
775	0.000	0.000	-0.000	-0.0014	-0.0042	-0.0001
780	-0.000	0.000	0.003	-0.0000	-0.0051	-0.0001
785	0.000	0.000	0.000	-0.0008	-0.0079	-0.0000
790	0.003	-0.000	0.059	-0.0030	-0.0111	-0.0001
792	-0.000	-0.001	0.105	0.0008	-0.0139	-0.0005
795	-0.006	-0.000	0.082	0.0034	-0.0128	-0.0010
797	-0.010	-0.000	0.068	0.0040	-0.0124	-0.0012
798	-0.044	0.001	-0.057	0.0047	-0.0093	-0.0013
799	-0.030	0.006	-0.072	0.0015	-0.0084	-0.0009
800	-0.004	0.008	-0.073	-0.0001	-0.0036	-0.0021
808	0.004	0.007	-0.073	-0.0001	-0.0034	-0.0019
809	0.007	0.010	-0.072	-0.0004	0.0017	-0.0013
810	0.002	0.010	-0.058	-0.0008	0.0034	0.0004
850	0.002	0.001	-0.003	-0.0000	0.0004	0.0001
860	0.002	0.001	-0.002	-0.0000	0.0004	0.0001
870	-0.000	0.001	0.053	0.0007	-0.0149	-0.0004
875	-0.000	0.001	-0.000	0.0007	-0.0165	-0.0004
878	-0.000	0.005	-0.166	0.0005	-0.0192	-0.0004
879	-0.041	0.007	-0.266	0.0002	-0.0190	-0.0007
880	-0.100	0.010	-0.296	-0.0008	-0.0051	-0.0010
888	-0.144	0.050	-0.301	0.0001	0.0026	-0.0005
889	-0.120	0.040	-0.312	0.0032	0.0076	-0.0015
890	-0.103	0.022	-0.355	0.0041	0.0100	-0.0026
899	-0.097	0.009	-0.393	0.0051	0.0090	-0.0027
900	-0.084	0.004	-0.375	0.0093	0.0075	-0.0025
902	-0.000	-0.000	-0.000	0.0050	0.0072	-0.0008
905	0.001	0.000	-0.000	-0.0036	0.0070	0.0002
908	-0.000	0.001	-0.063	-0.0049	0.0069	0.0001
909	0.001	0.001	-0.096	-0.0031	0.0058	-0.0000
910	0.001	0.001	-0.119	-0.0011	0.0014	0.0001
920	0.001	0.003	-0.130	-0.0003	0.0005	0.0002
925	-0.000	0.000	-0.000	-0.0010	-0.0012	-0.0001
930	0.000	-0.001	-0.012	-0.0012	0.0014	-0.0001
935	0.000	-0.000	-0.000	-0.0016	-0.0007	-0.0000
940	0.000	-0.001	-0.002	-0.0017	0.0004	-0.0001
950	0.000	-0.001	-0.004	-0.0017	0.0004	-0.0001
960	-0.017	0.000	0.002	-0.0001	-0.0049	-0.0003
968	-0.029	0.001	0.002	-0.0002	-0.0047	-0.0005
969	-0.038	0.002	0.002	-0.0007	-0.0025	-0.0015
970	-0.033	0.003	0.001	0.0004	-0.0016	-0.0034

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	0.025	0.003	0.017	0.0016	-0.0009	-0.0035
979	0.033	-0.000	0.025	0.0024	-0.0008	-0.0020
980	0.035	-0.003	0.027	0.0017	0.0017	-0.0003
985	0.035	-0.004	-0.000	0.0017	0.0040	0.0000
988	0.036	-0.002	-0.083	0.0016	0.0063	0.0003
989	0.044	-0.001	-0.101	0.0013	0.0054	0.0012
990	0.054	-0.003	-0.106	0.0009	0.0016	0.0015
1000	0.062	-0.010	-0.106	0.0009	-0.0000	0.0018
1010	0.062	-0.011	-0.106	0.0009	-0.0004	0.0018
1012	0.061	-0.012	-0.106	0.0009	-0.0005	0.0018
1016	0.057	-0.018	-0.106	0.0009	-0.0006	0.0019
1020	0.056	-0.019	-0.106	0.0009	-0.0007	0.0019
1029	0.024	-0.019	-0.087	0.0002	-0.0198	0.0023
1030	-0.000	-0.011	-0.031	-0.0003	-0.0099	0.0034
1035	-0.000	0.000	-0.000	-0.0003	-0.0060	0.0034
1040	0.000	0.011	0.008	-0.0004	-0.0015	0.0035
1045	0.001	0.020	0.004	-0.0004	0.0025	0.0036
1050	0.001	0.025	-0.000	-0.0004	0.0027	0.0036
1070	0.000	-0.000	-0.030	-0.0022	0.0021	0.0000
1080	0.001	-0.001	-0.008	-0.0017	0.0007	-0.0002
1090	0.000	-0.001	-0.016	-0.0013	0.0016	-0.0001
1100	0.000	0.001	-0.079	-0.0023	0.0010	0.0001
1110	-0.000	0.003	-0.129	0.0007	0.0017	0.0004
1120	0.000	0.000	-0.089	-0.0049	0.0019	-0.0000
1130	0.000	0.000	-0.093	-0.0082	0.0001	0.0000
1190	-0.000	0.000	0.001	-0.0010	-0.0016	-0.0000
1200	0.000	0.000	-0.000	-0.0053	-0.0009	-0.0000
1210	0.000	0.000	-0.014	-0.0093	-0.0003	-0.0000
1220	0.000	0.000	-0.029	-0.0094	-0.0002	-0.0000
1230	0.004	-0.000	-0.000	0.0001	0.0001	0.0001
1240	0.004	-0.000	-0.000	0.0001	0.0001	0.0001
1248	-0.001	-0.021	-0.001	0.0025	-0.0007	0.0009
1249	-0.011	-0.063	-0.024	0.0160	-0.0037	0.0003
1250	-0.016	-0.103	-0.125	0.0257	-0.0040	0.0013
1258	0.001	-0.106	-0.440	0.0259	-0.0049	0.0016
1259	0.013	-0.102	-0.541	0.0212	-0.0075	0.0033
1260	0.019	-0.086	-0.528	0.0181	-0.0144	0.0042
1268	0.017	-0.016	-0.269	0.0169	-0.0153	0.0041
1269	0.010	-0.002	-0.167	0.0152	-0.0133	0.0023
1270	0.003	0.001	-0.090	0.0065	-0.0101	0.0002
1275	-0.000	-0.000	-0.000	0.0011	-0.0088	0.0000
1280	-0.001	0.001	-0.054	-0.0008	-0.0071	-0.0001
1285	-0.001	0.001	-0.055	-0.0007	-0.0071	-0.0001
1290	-0.001	0.001	-0.057	-0.0007	-0.0071	-0.0001
1300	-0.001	0.001	-0.057	-0.0006	-0.0070	-0.0001
1310	-0.001	0.001	-0.057	-0.0005	-0.0070	-0.0001
1315	-0.001	0.001	-0.058	-0.0004	-0.0070	-0.0001
1320	-0.001	0.001	-0.059	-0.0004	-0.0070	-0.0001
1325	-0.000	-0.000	-0.000	0.0029	-0.0054	-0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.001	-0.000	0.026	0.0023	-0.0048	-0.0002
1329	0.003	0.001	0.022	0.0006	-0.0047	-0.0006
1330	0.004	0.004	0.006	0.0011	-0.0022	-0.0009
1338	0.004	0.008	-0.003	0.0009	-0.0021	-0.0009
1339	0.002	0.012	-0.008	-0.0001	-0.0001	-0.0006
1340	0.001	0.012	-0.005	-0.0004	0.0000	-0.0000
1350	0.001	0.012	-0.005	-0.0004	0.0000	-0.0000
1360	0.001	0.012	-0.004	-0.0003	0.0000	-0.0000
1373	0.001	0.034	-0.008	-0.0004	0.0027	0.0036
1376	-0.007	0.033	-0.008	-0.0005	0.0026	0.0036
1380	-0.010	0.033	-0.008	-0.0005	0.0026	0.0036
1390	-0.013	0.032	-0.008	-0.0007	0.0017	0.0037
1392	-0.016	0.031	-0.008	-0.0007	0.0016	0.0037
1396	-0.025	0.027	-0.008	-0.0007	0.0016	0.0037
1400	-0.027	0.026	-0.008	-0.0007	0.0016	0.0037
1410	-0.034	0.019	-0.008	-0.0017	0.0009	0.0038
1418	-0.036	0.014	-0.008	-0.0023	0.0008	0.0039
1419	-0.034	0.005	-0.003	-0.0062	0.0010	0.0039
1420	-0.028	-0.000	0.008	-0.0037	0.0013	0.0033
1425	-0.000	-0.000	-0.000	0.0102	0.0019	0.0021
1428	0.002	-0.000	-0.870	0.0387	0.0036	-0.0009
1429	0.001	0.001	-0.935	0.0337	0.0057	-0.0007
1430	0.000	0.002	-0.945	0.0309	0.0103	-0.0003
1435	0.000	-0.000	-0.000	0.0104	0.0256	0.0002
1438	0.000	-0.001	0.139	0.0079	0.0235	0.0001
1439	-0.011	0.002	0.182	0.0051	0.0176	0.0003
1440	-0.031	0.004	0.197	-0.0009	0.0135	-0.0004
1448	-0.050	0.003	0.195	-0.0015	0.0131	-0.0005
1449	-0.056	0.001	0.192	-0.0040	0.0122	-0.0015
1450	-0.057	0.000	0.187	-0.0063	0.0119	-0.0023
1455	-0.000	0.000	-0.000	-0.0124	0.0074	-0.0027
1458	0.006	0.000	-0.029	-0.0133	0.0070	-0.0027
1459	0.007	-0.011	-0.056	-0.0129	0.0061	-0.0035
1460	0.001	-0.030	-0.065	-0.0069	0.0033	-0.0044
1470	-0.030	-0.027	-0.067	0.0069	-0.0013	-0.0038
1480	-0.027	-0.014	-0.067	0.0074	-0.0014	-0.0037
1490	-0.025	-0.000	-0.067	0.0080	-0.0015	-0.0037
1495	-0.019	-0.000	-0.055	0.0083	-0.0015	-0.0037
1497	-0.012	-0.000	-0.039	0.0092	-0.0015	-0.0036
1498	-0.021	0.366	-0.069	0.0202	0.0065	-0.0080
1499	-0.030	0.384	-0.073	0.0229	0.0126	-0.0075
1500	0.000	-0.000	-0.000	0.0112	-0.0015	-0.0034
1504	-0.022	0.015	-0.067	0.0081	-0.0015	-0.0037
1505	-0.036	0.386	-0.087	0.0238	0.0178	-0.0074
1506	-0.019	0.029	-0.068	0.0085	-0.0017	-0.0039
1508	-0.035	0.017	-0.162	0.0485	-0.0196	-0.0123
1509	-0.030	0.005	-0.124	0.0499	-0.0213	-0.0131
1510	-0.018	0.000	-0.067	0.0519	-0.0221	-0.0137
1520	-0.000	0.000	-0.000	0.0521	-0.0221	-0.0137

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
2030	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
2040	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
2050	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
2060	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
2068	-0.000	0.001	-0.000	-0.0002	-0.0000	-0.0000
2069	-0.000	0.002	0.000	-0.0014	-0.0000	-0.0000
2070	-0.000	0.004	0.004	-0.0025	0.0000	0.0000
2078	-0.000	0.004	0.009	-0.0026	0.0000	0.0000
2079	-0.000	0.003	0.014	-0.0029	0.0001	0.0001
2080	-0.000	0.003	0.016	-0.0027	-0.0005	0.0003
2090	-0.000	0.000	-0.000	-0.0025	-0.0035	0.0002
2100	-0.000	-0.001	-0.066	-0.0023	-0.0090	-0.0000
2108	-0.000	-0.001	-0.086	-0.0027	-0.0102	-0.0001
2109	0.000	-0.000	-0.111	-0.0022	-0.0108	-0.0002
2110	0.000	-0.000	-0.116	0.0081	-0.0061	0.0000
2120	0.000	-0.000	-0.115	0.0082	-0.0060	0.0000
2130	0.000	-0.000	-0.102	0.0083	-0.0060	0.0000
2140	0.000	-0.000	-0.022	0.0088	-0.0056	0.0000
2150	0.000	-0.000	-0.009	0.0087	-0.0056	0.0000
2160	0.000	-0.000	-0.000	0.0068	-0.0049	0.0000
2170	-0.000	0.000	0.008	0.0015	-0.0028	0.0000
2180	-0.000	0.000	0.007	-0.0006	-0.0019	-0.0000
2190	-0.000	0.000	0.006	-0.0007	-0.0018	-0.0000
2200	-0.000	0.000	0.004	-0.0007	-0.0017	-0.0000
2210	-0.006	0.003	0.004	-0.0007	-0.0017	-0.0000
2220	-0.015	0.006	0.004	-0.0007	-0.0017	-0.0000
2230	-0.000	0.000	0.003	-0.0008	-0.0017	-0.0000
2240	-0.014	0.003	-0.066	-0.0017	-0.0072	0.0000
2250	-0.023	0.004	-0.065	-0.0004	-0.0030	0.0002
2260	-0.027	0.005	-0.065	-0.0004	-0.0029	0.0002
2270	-0.041	0.007	-0.065	-0.0003	-0.0023	0.0003
2280	-0.044	0.007	-0.065	-0.0003	-0.0021	0.0003
2290	-0.039	0.007	-0.064	0.0005	0.0141	0.0009
2300	-0.023	0.007	-0.064	0.0005	0.0144	0.0009
2310	0.004	0.006	-0.064	0.0005	0.0149	0.0009
2320	0.004	0.004	-0.033	0.0005	0.0148	0.0009
2330	-0.000	0.000	0.010	0.0017	-0.0004	0.0000
2338	-0.000	0.000	-0.017	0.0028	0.0033	-0.0000
2339	-0.000	0.000	-0.018	0.0038	0.0006	-0.0000
2340	-0.000	-0.000	-0.013	0.0058	-0.0009	-0.0000
2345	-0.000	-0.000	0.000	0.0065	-0.0025	-0.0000
2350	0.000	-0.000	-0.000	-0.0183	-0.0128	-0.0000
2358	0.000	-0.000	-0.049	-0.0228	-0.0143	-0.0000
2359	0.000	0.000	-0.075	-0.0167	-0.0124	-0.0000
2360	0.000	0.000	-0.089	-0.0093	-0.0013	0.0000
2370	0.000	0.000	-0.089	-0.0090	-0.0011	0.0000
2380	0.000	0.000	-0.091	-0.0089	-0.0010	0.0000
2390	0.000	0.000	-0.093	-0.0086	-0.0005	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	-0.002	0.037	-0.093	-0.0086	-0.0005	0.0000
2410	-0.008	0.136	-0.093	-0.0086	-0.0005	0.0000
2420	0.000	0.000	-0.093	-0.0083	-0.0000	0.0000
2430	0.004	0.003	-0.016	0.0005	0.0144	0.0009
2440	0.000	0.001	-0.000	0.0004	0.0014	0.0007
2445	-0.000	0.000	-0.000	0.0004	-0.0054	0.0006
2449	0.017	-0.003	-0.167	0.0004	-0.0182	-0.0001
2450	0.033	-0.002	-0.177	0.0002	0.0021	-0.0001
2451	-0.000	-0.003	-0.122	0.0003	-0.0223	0.0003
2460	0.033	-0.002	-0.177	0.0002	0.0022	-0.0001
2470	0.030	-0.002	-0.177	0.0002	0.0022	-0.0001
2480	0.016	-0.000	-0.177	0.0002	0.0024	-0.0001
2490	0.013	-0.000	-0.177	0.0002	0.0024	-0.0001
2500	0.000	-0.000	-0.178	-0.0001	0.0029	-0.0002
2510	-0.021	-0.003	-0.178	-0.0004	0.0024	-0.0003
2518	-0.031	-0.005	-0.178	-0.0002	0.0021	-0.0004
2519	-0.034	-0.004	-0.177	0.0019	0.0011	-0.0008
2520	-0.032	-0.001	-0.171	0.0049	0.0008	-0.0013
2530	-0.000	0.000	-0.000	0.0027	-0.0009	-0.0007
2538	0.008	-0.000	-0.023	-0.0001	-0.0027	-0.0000
2539	0.008	-0.000	-0.020	0.0005	-0.0030	-0.0001
2540	0.009	-0.000	-0.014	0.0004	-0.0029	-0.0002
2550	0.009	-0.002	0.004	0.0001	-0.0017	-0.0003
2560	0.009	-0.003	0.007	0.0001	-0.0008	-0.0003
2570	0.003	-0.003	0.007	-0.0001	-0.0007	-0.0004
2578	0.000	-0.002	0.008	-0.0003	-0.0005	-0.0004
2579	-0.000	0.001	0.009	-0.0005	0.0003	-0.0001
2580	-0.000	0.000	0.005	0.0054	0.0005	0.0000
2590	0.000	0.000	-0.000	0.0056	0.0006	0.0000
2600	0.000	0.000	-0.019	0.0051	0.0007	0.0000
2610	0.000	0.000	-0.029	0.0050	0.0007	0.0000
2620	0.000	0.000	-0.082	0.0030	0.0007	0.0000
2630	0.000	0.000	-0.087	0.0027	0.0007	0.0000
2640	0.000	0.000	-0.084	-0.0026	0.0008	-0.0000
2648	0.011	-0.003	0.007	0.0001	-0.0005	-0.0003
2649	0.006	-0.002	0.004	0.0006	0.0037	-0.0001
2650	0.000	-0.001	-0.011	0.0007	0.0059	0.0002
2658	0.000	-0.000	-0.027	0.0007	0.0059	0.0002
2659	0.000	0.000	-0.042	0.0000	0.0040	0.0001
2660	0.000	0.000	-0.044	-0.0018	0.0029	0.0000
2690	0.000	0.000	-0.069	-0.0062	0.0004	-0.0000
2700	0.000	0.000	-0.046	-0.0094	-0.0002	-0.0000
2710	0.000	0.000	-0.031	-0.0094	-0.0003	-0.0000
3120	0.000	0.000	-0.089	-0.0049	0.0018	-0.0000
3130	0.000	0.000	-0.093	-0.0082	0.0001	0.0000
3190	-0.000	0.000	0.001	-0.0010	-0.0016	-0.0000
3200	0.000	0.000	-0.000	-0.0053	-0.0010	-0.0000
3210	0.000	0.000	-0.014	-0.0093	-0.0003	-0.0000
3220	0.000	0.000	-0.029	-0.0094	-0.0003	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
4030	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
4040	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
4050	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
4060	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
4068	-0.000	0.001	-0.000	-0.0002	-0.0000	-0.0000
4069	-0.000	0.002	0.001	-0.0014	-0.0000	-0.0000
4070	-0.000	0.004	0.004	-0.0025	0.0000	0.0000
4078	-0.000	0.004	0.009	-0.0026	0.0000	0.0000
4079	-0.000	0.003	0.014	-0.0029	0.0001	0.0001
4080	-0.000	0.003	0.016	-0.0027	-0.0005	0.0003
4090	-0.000	0.000	-0.000	-0.0025	-0.0035	0.0002
4100	-0.000	-0.001	-0.066	-0.0023	-0.0090	-0.0000
4108	-0.000	-0.001	-0.086	-0.0027	-0.0102	-0.0001
4109	0.000	-0.000	-0.111	-0.0022	-0.0107	-0.0002
4110	0.000	-0.000	-0.116	0.0081	-0.0061	0.0000
4120	0.000	-0.000	-0.115	0.0082	-0.0060	0.0000
4130	0.000	-0.000	-0.102	0.0083	-0.0059	0.0000
4140	0.000	-0.000	-0.022	0.0088	-0.0056	0.0000
4150	0.000	-0.000	-0.009	0.0087	-0.0055	0.0000
4160	0.000	-0.000	-0.000	0.0068	-0.0048	0.0000
4170	-0.000	0.000	0.008	0.0015	-0.0027	0.0000
4180	-0.000	0.000	0.007	-0.0006	-0.0018	-0.0000
4190	-0.000	0.000	0.006	-0.0007	-0.0018	-0.0000
4200	-0.000	0.000	0.004	-0.0007	-0.0017	-0.0000
4210	-0.006	0.003	0.004	-0.0007	-0.0017	-0.0000
4220	-0.014	0.006	0.004	-0.0007	-0.0017	-0.0000
4230	-0.000	0.000	0.003	-0.0008	-0.0016	-0.0000
4240	-0.014	0.003	-0.066	-0.0017	-0.0072	0.0000
4250	-0.023	0.004	-0.065	-0.0004	-0.0030	0.0002
4260	-0.027	0.005	-0.065	-0.0004	-0.0029	0.0002
4270	-0.041	0.007	-0.065	-0.0003	-0.0023	0.0003
4280	-0.044	0.007	-0.065	-0.0003	-0.0021	0.0003
4290	-0.039	0.007	-0.064	0.0005	0.0141	0.0009
4300	-0.023	0.007	-0.064	0.0005	0.0144	0.0009
4310	0.004	0.006	-0.064	0.0005	0.0149	0.0009
4320	0.004	0.004	-0.033	0.0005	0.0148	0.0009
4330	-0.000	0.000	0.010	0.0017	-0.0004	0.0000
4338	-0.000	0.000	-0.017	0.0028	0.0033	-0.0000
4339	-0.000	0.000	-0.018	0.0038	0.0006	-0.0000
4340	-0.000	-0.000	-0.013	0.0058	-0.0009	-0.0000
4345	-0.000	-0.000	0.000	0.0066	-0.0025	-0.0000
4350	0.000	-0.000	-0.000	-0.0183	-0.0128	-0.0000
4358	0.000	-0.000	-0.050	-0.0228	-0.0144	-0.0000
4359	0.000	0.000	-0.076	-0.0167	-0.0124	-0.0000
4360	0.000	0.000	-0.089	-0.0093	-0.0013	0.0000
4370	0.000	0.000	-0.089	-0.0091	-0.0011	0.0000
4380	0.000	0.000	-0.091	-0.0089	-0.0010	0.0000
4390	0.000	0.000	-0.093	-0.0086	-0.0005	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	-0.002	0.037	-0.093	-0.0086	-0.0005	0.0000
4410	-0.008	0.136	-0.093	-0.0086	-0.0005	0.0000
4420	0.000	0.000	-0.093	-0.0083	-0.0000	0.0000
4430	0.004	0.003	-0.016	0.0005	0.0144	0.0009
4440	0.000	0.001	-0.000	0.0004	0.0014	0.0007
4445	-0.000	0.000	-0.000	0.0004	-0.0053	0.0006
4449	0.017	-0.003	-0.167	0.0004	-0.0182	-0.0001
4450	0.033	-0.002	-0.177	0.0002	0.0021	-0.0001
4451	-0.000	-0.003	-0.122	0.0003	-0.0223	0.0003
4460	0.033	-0.002	-0.177	0.0002	0.0022	-0.0001
4470	0.030	-0.002	-0.177	0.0002	0.0022	-0.0001
4480	0.016	-0.001	-0.177	0.0002	0.0024	-0.0001
4490	0.013	-0.000	-0.177	0.0002	0.0024	-0.0001
4500	0.000	-0.000	-0.178	-0.0001	0.0029	-0.0002
4510	-0.021	-0.003	-0.178	-0.0004	0.0023	-0.0003
4518	-0.031	-0.005	-0.178	-0.0002	0.0021	-0.0004
4519	-0.034	-0.004	-0.177	0.0019	0.0011	-0.0008
4520	-0.032	-0.001	-0.171	0.0049	0.0007	-0.0013
4530	-0.000	0.000	-0.000	0.0027	-0.0009	-0.0007
4538	0.007	-0.000	-0.022	-0.0001	-0.0028	0.0001
4539	0.007	-0.000	-0.019	0.0005	-0.0031	0.0000
4540	0.007	-0.000	-0.013	0.0004	-0.0029	-0.0001
4550	0.007	-0.001	0.005	0.0001	-0.0018	-0.0001
4560	0.007	-0.001	0.008	0.0001	-0.0009	-0.0002
4570	0.001	-0.001	0.009	-0.0001	-0.0006	-0.0002
4578	-0.001	-0.000	0.009	-0.0002	-0.0004	-0.0002
4579	-0.001	0.001	0.010	-0.0002	0.0005	0.0000
4580	-0.000	0.000	0.005	0.0055	0.0006	0.0000
4590	-0.000	0.000	-0.000	0.0057	0.0007	0.0000
4600	0.000	0.000	-0.019	0.0052	0.0007	0.0000
4610	0.000	0.000	-0.029	0.0050	0.0008	0.0000
4620	0.000	0.000	-0.083	0.0030	0.0008	0.0000
4630	0.000	0.000	-0.088	0.0027	0.0008	0.0000
4640	0.000	0.000	-0.085	-0.0026	0.0009	-0.0000
4648	0.009	-0.001	0.008	0.0001	-0.0007	-0.0001
4649	0.007	-0.001	0.006	0.0003	0.0023	-0.0001
4650	0.003	-0.000	-0.003	0.0003	0.0036	-0.0000
4658	0.003	-0.000	-0.012	0.0003	0.0035	-0.0000
4659	0.003	-0.001	-0.021	-0.0003	0.0020	-0.0002
4660	0.002	-0.001	-0.020	-0.0016	0.0012	-0.0002
4690	0.000	0.000	-0.069	-0.0062	0.0005	-0.0000
4700	0.000	0.000	-0.046	-0.0094	-0.0002	-0.0000
4710	0.000	0.000	-0.031	-0.0095	-0.0002	-0.0000
5120	0.000	0.000	-0.090	-0.0049	0.0019	-0.0000
5130	0.000	0.000	-0.093	-0.0082	0.0001	0.0000
5190	-0.000	0.000	0.001	-0.0010	-0.0016	-0.0000
5200	0.000	0.000	-0.000	-0.0053	-0.0009	-0.0000
5210	0.000	0.000	-0.014	-0.0093	-0.0003	-0.0000
5220	0.000	0.000	-0.029	-0.0094	-0.0002	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
6030	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
6040	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
6050	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
6060	-0.000	0.000	-0.000	-0.0001	-0.0000	-0.0000
6068	-0.000	0.001	-0.000	-0.0002	-0.0000	-0.0000
6069	-0.000	0.002	0.001	-0.0014	-0.0000	-0.0000
6070	-0.000	0.004	0.004	-0.0025	0.0000	0.0000
6078	-0.000	0.004	0.009	-0.0026	0.0000	0.0000
6079	-0.000	0.003	0.014	-0.0029	0.0001	0.0001
6080	-0.000	0.003	0.016	-0.0027	-0.0005	0.0003
6090	-0.000	0.000	-0.000	-0.0025	-0.0035	0.0002
6100	-0.000	-0.001	-0.066	-0.0023	-0.0090	-0.0000
6108	-0.000	-0.001	-0.086	-0.0027	-0.0102	-0.0001
6109	0.000	-0.000	-0.111	-0.0022	-0.0107	-0.0002
6110	0.000	-0.000	-0.116	0.0081	-0.0061	0.0000
6120	0.000	-0.000	-0.115	0.0082	-0.0060	0.0000
6130	0.000	-0.000	-0.102	0.0083	-0.0059	0.0000
6140	0.000	-0.000	-0.022	0.0088	-0.0056	0.0000
6150	0.000	-0.000	-0.009	0.0087	-0.0055	0.0000
6160	0.000	-0.000	-0.000	0.0068	-0.0048	0.0000
6170	-0.000	0.000	0.008	0.0015	-0.0027	0.0000
6180	-0.000	0.000	0.007	-0.0006	-0.0018	-0.0000
6190	-0.000	0.000	0.006	-0.0007	-0.0018	-0.0000
6200	-0.000	0.000	0.004	-0.0007	-0.0017	-0.0000
6210	-0.006	0.003	0.004	-0.0007	-0.0017	-0.0000
6220	-0.014	0.006	0.004	-0.0007	-0.0017	-0.0000
6230	-0.000	0.000	0.003	-0.0008	-0.0016	-0.0000
6240	-0.014	0.003	-0.066	-0.0017	-0.0072	0.0000
6250	-0.023	0.004	-0.065	-0.0004	-0.0030	0.0002
6260	-0.027	0.005	-0.065	-0.0004	-0.0029	0.0002
6270	-0.041	0.007	-0.065	-0.0003	-0.0023	0.0003
6280	-0.044	0.007	-0.065	-0.0003	-0.0021	0.0003
6290	-0.039	0.007	-0.064	0.0005	0.0141	0.0009
6300	-0.023	0.007	-0.064	0.0005	0.0144	0.0009
6310	0.004	0.006	-0.064	0.0005	0.0149	0.0009
6320	0.004	0.004	-0.033	0.0005	0.0148	0.0009
6330	-0.000	0.000	0.010	0.0017	-0.0004	0.0000
6338	-0.000	0.000	-0.017	0.0028	0.0033	-0.0000
6339	-0.000	0.000	-0.018	0.0038	0.0006	-0.0000
6340	-0.000	-0.000	-0.013	0.0058	-0.0009	-0.0000
6345	-0.000	-0.000	0.000	0.0066	-0.0025	-0.0000
6350	0.000	-0.000	-0.000	-0.0183	-0.0128	-0.0000
6358	0.000	-0.000	-0.050	-0.0228	-0.0144	-0.0000
6359	0.000	0.000	-0.076	-0.0167	-0.0124	-0.0000
6360	0.000	0.000	-0.089	-0.0093	-0.0013	0.0000
6370	0.000	0.000	-0.089	-0.0091	-0.0011	0.0000
6380	0.000	0.000	-0.091	-0.0089	-0.0010	0.0000
6390	0.000	0.000	-0.093	-0.0086	-0.0005	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	-0.002	0.037	-0.093	-0.0086	-0.0005	0.0000
6410	-0.008	0.136	-0.093	-0.0086	-0.0005	0.0000
6420	0.000	0.000	-0.093	-0.0083	-0.0000	0.0000
6430	0.004	0.003	-0.016	0.0005	0.0144	0.0009
6440	0.000	0.001	-0.000	0.0004	0.0014	0.0007
6445	-0.000	0.000	-0.000	0.0004	-0.0053	0.0006
6449	0.017	-0.003	-0.167	0.0004	-0.0182	-0.0001
6450	0.033	-0.002	-0.177	0.0002	0.0021	-0.0001
6451	-0.000	-0.003	-0.122	0.0003	-0.0223	0.0003
6460	0.033	-0.002	-0.177	0.0002	0.0022	-0.0001
6470	0.030	-0.002	-0.177	0.0002	0.0022	-0.0001
6480	0.016	-0.001	-0.177	0.0002	0.0024	-0.0001
6490	0.013	-0.000	-0.177	0.0002	0.0024	-0.0001
6500	0.000	-0.000	-0.178	-0.0001	0.0029	-0.0002
6510	-0.021	-0.003	-0.178	-0.0004	0.0023	-0.0003
6518	-0.031	-0.005	-0.178	-0.0002	0.0021	-0.0004
6519	-0.034	-0.004	-0.177	0.0019	0.0011	-0.0008
6520	-0.032	-0.001	-0.171	0.0049	0.0007	-0.0013
6530	-0.000	0.000	-0.000	0.0027	-0.0009	-0.0007
6538	0.007	-0.000	-0.022	-0.0001	-0.0028	0.0001
6539	0.007	-0.000	-0.019	0.0005	-0.0031	0.0000
6540	0.007	-0.000	-0.013	0.0004	-0.0029	-0.0001
6550	0.007	-0.001	0.005	0.0001	-0.0017	-0.0002
6560	0.007	-0.001	0.008	0.0000	-0.0009	-0.0002
6570	0.001	-0.001	0.009	-0.0001	-0.0006	-0.0002
6578	-0.001	-0.000	0.009	-0.0002	-0.0004	-0.0003
6579	-0.001	0.001	0.010	-0.0002	0.0005	0.0000
6580	-0.000	0.000	0.005	0.0055	0.0006	0.0000
6590	-0.000	0.000	-0.000	0.0057	0.0007	0.0000
6600	0.000	0.000	-0.019	0.0052	0.0007	0.0000
6610	0.000	0.000	-0.029	0.0050	0.0007	0.0000
6620	0.000	0.000	-0.083	0.0030	0.0008	0.0000
6630	0.000	0.000	-0.088	0.0027	0.0008	0.0000
6640	0.000	0.000	-0.085	-0.0026	0.0009	-0.0000
6648	0.009	-0.001	0.008	0.0001	-0.0007	-0.0002
6649	0.006	-0.001	0.006	0.0003	0.0025	-0.0001
6650	0.002	-0.001	-0.004	0.0003	0.0040	-0.0000
6658	0.002	-0.001	-0.015	0.0003	0.0040	-0.0000
6659	0.002	-0.001	-0.025	-0.0001	0.0027	-0.0001
6660	0.001	-0.001	-0.025	-0.0012	0.0021	-0.0001
6690	0.000	0.000	-0.069	-0.0062	0.0005	-0.0000
6700	0.000	0.000	-0.046	-0.0094	-0.0002	-0.0000
6710	0.000	0.000	-0.031	-0.0095	-0.0002	-0.0000
7120	0.000	0.000	-0.090	-0.0049	0.0019	-0.0000
7130	0.000	0.000	-0.093	-0.0082	0.0001	0.0000
7190	-0.000	0.000	0.001	-0.0010	-0.0016	-0.0000
7200	0.000	0.000	-0.000	-0.0053	-0.0009	-0.0000
7210	0.000	0.000	-0.014	-0.0093	-0.0003	-0.0000
7220	0.000	0.000	-0.029	-0.0094	-0.0002	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
7500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
7510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
7530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7550	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
7560	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
7570	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
8020	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
8030	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
8040	-0.000	0.000	-0.000	-0.0003	-0.0001	-0.0001
8050	-0.000	0.001	-0.000	-0.0003	-0.0001	-0.0001
8060	-0.001	0.001	-0.000	-0.0003	-0.0001	-0.0001
8068	-0.001	0.002	-0.000	-0.0006	-0.0001	-0.0001
8069	-0.001	0.006	0.002	-0.0040	0.0002	-0.0001
8070	-0.001	0.010	0.013	-0.0066	0.0003	0.0000
8078	-0.001	0.010	0.024	-0.0066	0.0004	0.0000
8079	-0.000	0.010	0.037	-0.0061	0.0002	0.0004
8080	0.000	0.009	0.041	-0.0052	-0.0015	0.0008
8090	-0.000	0.000	-0.000	-0.0033	-0.0076	0.0004
8100	-0.000	-0.001	-0.120	-0.0014	-0.0127	-0.0001
8108	-0.000	-0.001	-0.146	-0.0013	-0.0135	-0.0001
8109	0.000	-0.000	-0.173	0.0006	-0.0112	-0.0002
8110	0.000	-0.000	-0.170	0.0123	-0.0059	0.0000
8120	0.000	-0.000	-0.168	0.0124	-0.0058	0.0000
8130	0.000	-0.000	-0.149	0.0125	-0.0058	0.0000
8140	0.000	-0.000	-0.032	0.0128	-0.0054	0.0000
8150	0.000	-0.000	-0.012	0.0126	-0.0054	0.0000
8160	0.000	-0.000	-0.000	0.0099	-0.0047	0.0000
8170	-0.000	-0.000	0.013	0.0024	-0.0026	0.0000
8180	-0.000	-0.000	0.012	-0.0010	-0.0018	-0.0000
8190	-0.000	-0.000	0.010	-0.0011	-0.0017	-0.0000
8200	0.000	-0.000	0.007	-0.0012	-0.0017	-0.0000
8210	-0.006	0.004	0.007	-0.0012	-0.0017	-0.0000
8220	-0.014	0.010	0.007	-0.0012	-0.0017	-0.0000
8230	0.000	-0.000	0.004	-0.0013	-0.0016	-0.0000
8240	-0.020	0.001	-0.120	-0.0011	-0.0101	-0.0000
8250	-0.032	0.003	-0.120	-0.0005	-0.0039	0.0002
8260	-0.037	0.003	-0.120	-0.0005	-0.0037	0.0002
8270	-0.055	0.006	-0.120	-0.0005	-0.0029	0.0002
8280	-0.058	0.007	-0.120	-0.0004	-0.0027	0.0002
8290	-0.052	0.007	-0.119	0.0001	0.0196	0.0009
8300	-0.029	0.007	-0.119	0.0001	0.0200	0.0009
8310	0.008	0.006	-0.119	0.0001	0.0207	0.0010
8320	0.008	0.004	-0.076	0.0001	0.0208	0.0010
8330	-0.000	-0.000	0.015	0.0025	-0.0002	0.0000
8338	-0.000	-0.000	-0.017	0.0031	0.0038	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	-0.000	-0.000	-0.018	0.0040	0.0011	0.0000
8340	-0.000	0.000	-0.013	0.0059	-0.0004	-0.0000
8345	0.000	0.000	0.000	0.0066	-0.0020	-0.0000
8350	-0.000	0.000	-0.000	-0.0183	-0.0126	0.0001
8358	-0.000	0.000	-0.049	-0.0227	-0.0143	0.0001
8359	-0.000	-0.000	-0.075	-0.0166	-0.0123	0.0001
8360	-0.000	-0.000	-0.089	-0.0093	-0.0013	-0.0000
8370	-0.000	-0.000	-0.089	-0.0090	-0.0012	-0.0000
8380	-0.000	-0.000	-0.091	-0.0088	-0.0010	-0.0000
8390	-0.000	-0.000	-0.093	-0.0086	-0.0005	-0.0000
8400	-0.003	0.037	-0.093	-0.0086	-0.0005	-0.0000
8410	-0.009	0.135	-0.093	-0.0086	-0.0005	-0.0000
8420	-0.000	-0.000	-0.093	-0.0083	-0.0000	-0.0000
8430	0.008	0.003	-0.052	0.0001	0.0206	0.0010
8440	0.000	0.002	-0.021	0.0001	0.0125	0.0009
8445	-0.000	0.000	-0.000	0.0001	0.0078	0.0009
8449	0.007	-0.004	-0.007	0.0002	-0.0085	0.0006
8450	0.015	-0.004	-0.013	0.0003	0.0009	0.0005
8451	-0.000	-0.003	0.007	0.0001	0.0004	0.0009
8460	0.015	-0.004	-0.013	0.0003	0.0010	0.0005
8470	0.014	-0.004	-0.013	0.0003	0.0010	0.0005
8480	0.008	-0.002	-0.013	0.0003	0.0011	0.0005
8490	0.006	-0.001	-0.013	0.0003	0.0011	0.0005
8500	0.000	0.000	-0.014	0.0003	0.0014	0.0004
8510	-0.010	0.001	-0.014	0.0001	0.0010	0.0003
8518	-0.014	0.001	-0.014	-0.0001	0.0009	0.0002
8519	-0.015	0.001	-0.014	-0.0008	0.0002	-0.0001
8520	-0.014	-0.000	-0.016	-0.0007	-0.0001	-0.0005
8530	-0.000	-0.000	-0.000	-0.0003	-0.0013	-0.0004
8538	0.013	-0.000	-0.019	0.0014	-0.0027	-0.0006
8539	0.015	-0.001	-0.014	0.0013	-0.0027	-0.0011
8540	0.016	-0.003	-0.008	0.0008	-0.0017	-0.0017
8550	0.016	-0.009	-0.003	0.0005	-0.0012	-0.0018
8560	0.016	-0.013	-0.001	0.0003	-0.0005	-0.0019
8570	0.010	-0.012	0.000	-0.0006	-0.0009	-0.0018
8578	0.006	-0.008	0.000	-0.0010	-0.0009	-0.0018
8579	0.002	-0.002	0.004	-0.0025	-0.0002	-0.0014
8580	0.000	-0.000	0.004	0.0051	0.0004	-0.0001
8590	0.000	-0.000	-0.000	0.0054	0.0005	-0.0001
8600	-0.000	-0.000	-0.019	0.0051	0.0006	-0.0000
8610	-0.000	-0.000	-0.028	0.0050	0.0006	-0.0000
8620	-0.000	-0.000	-0.082	0.0030	0.0006	-0.0000
8630	-0.000	-0.000	-0.087	0.0028	0.0006	-0.0000
8640	-0.000	-0.000	-0.085	-0.0026	0.0007	0.0000
8648	0.017	-0.012	-0.001	0.0005	-0.0000	-0.0019
8649	0.006	-0.007	-0.007	0.0043	0.0078	-0.0007
8650	-0.006	-0.001	-0.037	0.0055	0.0116	0.0004
8658	-0.006	0.000	-0.069	0.0059	0.0115	0.0004
8659	-0.006	0.002	-0.102	0.0046	0.0066	0.0007

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.004	0.003	-0.118	0.0019	0.0042	0.0006
8690	-0.000	-0.000	-0.070	-0.0062	0.0004	0.0000
8700	-0.000	-0.000	-0.046	-0.0095	-0.0002	0.0000
8710	-0.000	-0.000	-0.031	-0.0095	-0.0003	0.0000
9120	-0.000	-0.000	-0.089	-0.0049	0.0018	0.0000
9130	-0.000	-0.000	-0.093	-0.0081	0.0001	-0.0000
9190	0.000	-0.000	0.002	-0.0015	-0.0016	0.0000
9200	-0.000	-0.000	-0.000	-0.0056	-0.0009	0.0000
9210	-0.000	-0.000	-0.014	-0.0094	-0.0003	0.0000
9220	-0.000	-0.000	-0.029	-0.0095	-0.0003	0.0000
9490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
9500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
9510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
9530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9550	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
9560	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
9570	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
10020	-0.000	0.000	-0.000	0.0000	-0.0000	-0.0000
10030	-0.000	0.000	-0.000	0.0000	-0.0000	-0.0000
10040	-0.000	0.000	-0.000	-0.0000	-0.0001	-0.0000
10050	-0.000	0.000	-0.000	-0.0000	-0.0001	-0.0000
10060	-0.000	0.000	-0.000	-0.0000	-0.0001	-0.0000
10068	-0.001	0.000	-0.000	-0.0000	-0.0001	-0.0001
10069	-0.001	0.000	-0.000	-0.0003	-0.0002	-0.0001
10070	-0.001	0.001	0.001	-0.0009	-0.0002	-0.0002
10078	-0.002	0.001	0.003	-0.0010	-0.0002	-0.0002
10079	-0.002	0.001	0.005	-0.0016	-0.0000	-0.0001
10080	-0.002	0.001	0.006	-0.0017	-0.0000	0.0001
10090	-0.002	-0.001	-0.000	-0.0021	-0.0018	0.0001
10100	-0.002	-0.001	-0.045	-0.0025	-0.0075	-0.0001
10108	-0.002	-0.001	-0.062	-0.0030	-0.0089	-0.0002
10109	-0.002	-0.000	-0.087	-0.0033	-0.0106	-0.0003
10110	-0.001	-0.000	-0.094	0.0065	-0.0063	-0.0001
10120	-0.001	-0.000	-0.094	0.0066	-0.0062	-0.0001
10130	-0.001	-0.000	-0.083	0.0067	-0.0061	-0.0001
10140	-0.000	-0.000	-0.019	0.0072	-0.0058	-0.0001
10150	-0.000	-0.000	-0.007	0.0072	-0.0057	-0.0001
10160	-0.000	-0.000	-0.000	0.0056	-0.0050	-0.0001
10170	0.000	-0.000	0.006	0.0012	-0.0029	-0.0000
10180	0.000	-0.000	0.005	-0.0005	-0.0020	0.0000
10190	0.000	-0.000	0.005	-0.0005	-0.0020	0.0000
10200	0.000	-0.000	0.003	-0.0005	-0.0019	0.0000
10210	-0.007	0.002	0.003	-0.0005	-0.0019	0.0000
10220	-0.016	0.004	0.003	-0.0005	-0.0019	0.0000
10230	0.000	-0.000	0.002	-0.0006	-0.0018	0.0000
10240	-0.014	0.002	-0.044	-0.0017	-0.0060	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.021	0.004	-0.044	-0.0002	-0.0025	0.0001
10260	-0.024	0.004	-0.044	-0.0002	-0.0024	0.0001
10270	-0.036	0.005	-0.044	-0.0001	-0.0019	0.0001
10280	-0.038	0.005	-0.044	-0.0000	-0.0018	0.0001
10290	-0.034	0.004	-0.043	0.0007	0.0120	0.0005
10300	-0.020	0.004	-0.043	0.0007	0.0122	0.0005
10310	0.002	0.002	-0.042	0.0007	0.0126	0.0005
10320	0.002	0.001	-0.016	0.0007	0.0125	0.0005
10330	0.000	-0.000	0.009	0.0014	-0.0006	-0.0000
10338	0.000	-0.000	-0.017	0.0026	0.0031	0.0000
10339	0.000	-0.000	-0.017	0.0037	0.0005	0.0000
10340	0.000	0.000	-0.013	0.0057	-0.0010	0.0000
10345	0.000	0.000	0.000	0.0065	-0.0026	0.0000
10350	-0.000	0.000	-0.000	-0.0181	-0.0127	0.0000
10358	-0.000	0.000	-0.049	-0.0226	-0.0142	0.0000
10359	-0.000	-0.000	-0.075	-0.0166	-0.0122	0.0000
10360	-0.000	-0.000	-0.088	-0.0092	-0.0012	-0.0000
10370	-0.000	-0.000	-0.088	-0.0089	-0.0010	-0.0000
10380	-0.000	-0.000	-0.090	-0.0088	-0.0009	-0.0000
10390	-0.000	-0.000	-0.092	-0.0085	-0.0004	-0.0000
10400	-0.002	0.037	-0.092	-0.0085	-0.0004	-0.0000
10410	-0.007	0.134	-0.092	-0.0085	-0.0004	-0.0000
10420	-0.000	-0.000	-0.092	-0.0082	0.0001	-0.0000
10430	0.002	0.001	-0.002	0.0007	0.0120	0.0005
10440	0.000	0.000	0.008	0.0005	-0.0030	0.0002
10445	-0.000	0.000	-0.000	0.0005	-0.0106	0.0000
10449	0.022	0.005	-0.298	0.0002	-0.0225	-0.0008
10450	0.041	0.005	-0.310	-0.0003	0.0026	-0.0007
10451	-0.000	0.003	-0.239	0.0002	-0.0332	-0.0005
10460	0.040	0.005	-0.310	-0.0003	0.0027	-0.0007
10470	0.037	0.005	-0.310	-0.0003	0.0028	-0.0007
10480	0.020	0.003	-0.310	-0.0003	0.0030	-0.0007
10490	0.016	0.003	-0.310	-0.0003	0.0030	-0.0007
10500	0.000	-0.000	-0.310	-0.0009	0.0035	-0.0008
10510	-0.026	-0.009	-0.310	-0.0010	0.0029	-0.0009
10518	-0.038	-0.013	-0.310	-0.0002	0.0026	-0.0010
10519	-0.041	-0.008	-0.308	0.0056	0.0015	-0.0014
10520	-0.039	-0.002	-0.291	0.0119	0.0011	-0.0018
10525	-0.000	0.000	-0.000	0.0058	-0.0005	-0.0011
10530	0.004	0.000	0.015	0.0022	-0.0008	-0.0008
10538	0.013	-0.000	-0.038	-0.0012	-0.0029	-0.0001
10539	0.014	-0.000	-0.037	-0.0001	-0.0034	-0.0004
10540	0.014	-0.001	-0.030	0.0001	-0.0036	-0.0008
10550	0.015	-0.009	-0.002	0.0000	-0.0019	-0.0009
10560	0.015	-0.011	0.001	0.0000	-0.0008	-0.0010
10570	0.007	-0.009	0.002	-0.0005	-0.0009	-0.0010
10578	0.003	-0.006	0.002	-0.0008	-0.0009	-0.0010
10579	0.001	-0.001	0.005	-0.0020	-0.0000	-0.0007
10580	0.000	-0.000	0.004	0.0051	0.0004	-0.0001

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	0.000	-0.000	-0.000	0.0054	0.0004	-0.0000
10600	-0.000	-0.000	-0.019	0.0051	0.0005	-0.0000
10610	-0.000	-0.000	-0.028	0.0050	0.0005	-0.0000
10620	-0.000	-0.000	-0.081	0.0029	0.0006	-0.0000
10630	-0.000	-0.000	-0.086	0.0027	0.0006	-0.0000
10640	-0.000	-0.000	-0.083	-0.0026	0.0007	0.0000
10648	0.016	-0.011	0.001	0.0002	-0.0004	-0.0010
10649	0.007	-0.007	-0.004	0.0026	0.0067	-0.0002
10650	-0.002	-0.003	-0.030	0.0033	0.0100	0.0006
10658	-0.003	-0.001	-0.057	0.0035	0.0099	0.0006
10659	-0.002	0.001	-0.083	0.0021	0.0055	0.0005
10660	-0.001	0.001	-0.090	-0.0012	0.0031	0.0003
10690	-0.000	-0.000	-0.068	-0.0061	0.0003	0.0000
10700	-0.000	-0.000	-0.045	-0.0092	-0.0004	0.0000
10710	-0.000	-0.000	-0.030	-0.0093	-0.0004	0.0000
11120	-0.000	0.000	-0.088	-0.0048	0.0018	0.0000
11130	-0.000	-0.000	-0.091	-0.0081	0.0002	-0.0000
11190	0.000	-0.000	0.001	-0.0008	-0.0018	0.0000
11200	0.000	-0.000	-0.000	-0.0051	-0.0011	0.0000
11210	-0.000	-0.000	-0.013	-0.0092	-0.0005	0.0000
11220	-0.000	-0.000	-0.028	-0.0093	-0.0004	0.0000
11490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
11500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
11510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
11530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11550	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
11560	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
11570	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
13490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
13500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
13510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
13530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13550	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
13560	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
13570	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
15490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
15500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
15510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
15530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15550	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 14 (SUS) W+P1

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
15570	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
17490	0.000	0.000	0.000	0.0000	-0.0000	0.0000
17500	-0.000	0.000	0.000	0.0000	-0.0000	0.0000
17510	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17520	-0.000	-0.000	-0.000	-0.0000	-0.0000	0.0000
17530	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17535	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17540	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17550	-0.000	0.000	-0.000	0.0000	-0.0000	-0.0000
17560	-0.000	0.000	-0.000	0.0000	-0.0000	-0.0000
17570	-0.000	0.000	-0.000	0.0000	-0.0000	-0.0000
18000	0.000	0.000	-0.000	-0.0000	0.0000	0.0000
18010	0.000	0.000	-0.000	-0.0000	0.0000	0.0000
18020	0.002	0.000	-0.000	-0.0000	0.0001	0.0000
18022	0.002	0.000	-0.001	-0.0000	0.0001	0.0000
18025	0.002	0.000	-0.001	-0.0000	0.0001	0.0000
18027	0.002	0.000	-0.002	-0.0000	0.0004	0.0001
18030	0.002	0.001	-0.002	-0.0000	0.0004	0.0001
18040	0.003	0.000	-0.000	0.0000	0.0001	0.0000
18042	0.003	0.000	-0.000	0.0000	0.0001	0.0000
18045	0.004	0.000	-0.000	0.0001	0.0001	0.0001
18050	0.004	-0.000	-0.000	0.0001	0.0001	0.0001
19000	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
19500	0.001	0.012	-0.000	-0.0003	0.0000	-0.0000
19550	0.001	0.012	-0.003	-0.0003	0.0000	-0.0000
19560	0.001	0.012	-0.003	-0.0003	0.0000	-0.0000
19580	0.001	0.012	-0.003	-0.0003	0.0000	-0.0000
19600	0.001	0.012	-0.004	-0.0003	0.0000	-0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.012	0.364	0.782	0.0004	0.0029	0.0017
30	0.017	0.363	0.802	0.0005	0.0032	0.0020
40	0.029	0.361	0.824	0.0024	0.0077	0.0086
50	0.042	0.357	0.843	0.0025	0.0078	0.0089
60	0.054	0.353	0.863	0.0026	0.0079	0.0092
68	0.070	0.347	0.885	0.0048	0.0070	0.0158
69	0.089	0.305	0.891	0.0299	-0.0036	0.0223
70	0.147	0.252	0.825	0.0452	-0.0056	0.0416
78	0.224	0.230	0.745	0.0452	-0.0113	0.0431
79	0.298	0.172	0.645	0.0474	-0.0210	0.0398
80	0.302	0.104	0.543	0.0513	-0.0455	0.0218
90	0.157	-0.091	0.000	0.0311	-0.0373	0.0127
95	0.074	-0.164	-0.188	0.0194	-0.0194	0.0086
100	0.025	-0.192	-0.245	0.0126	-0.0103	0.0058
108	0.003	-0.203	-0.263	0.0126	-0.0093	0.0053
109	-0.021	-0.196	-0.261	0.0153	-0.0003	-0.0027
110	-0.022	-0.168	-0.228	0.0173	0.0025	-0.0022
120	-0.022	-0.167	-0.226	0.0173	0.0026	-0.0022
130	-0.018	-0.147	-0.199	0.0173	0.0027	-0.0021
140	-0.002	-0.031	-0.040	0.0168	0.0030	-0.0014
150	-0.000	-0.011	-0.014	0.0166	0.0030	-0.0013
160	0.000	-0.000	-0.000	0.0131	0.0036	-0.0009
170	0.001	0.032	0.019	0.0034	0.0055	-0.0010
180	0.002	0.054	0.018	-0.0015	0.0068	-0.0000
190	0.002	0.074	0.016	-0.0016	0.0068	0.0000
200	0.002	0.107	0.011	-0.0018	0.0069	0.0002
210	0.028	0.114	0.057	-0.0018	0.0072	0.0002
220	0.062	0.122	0.116	-0.0018	0.0073	0.0002
230	0.001	0.141	0.006	-0.0019	0.0066	0.0002
240	0.014	-0.210	-0.224	0.0081	-0.0049	0.0032
250	0.012	-0.217	-0.204	-0.0011	0.0044	-0.0030
260	0.018	-0.215	-0.189	-0.0013	0.0046	-0.0032
270	0.045	-0.206	-0.119	-0.0020	0.0050	-0.0040
280	0.051	-0.203	-0.103	-0.0021	0.0051	-0.0042
290	0.059	-0.197	-0.089	-0.0090	0.0101	-0.0241
300	0.070	-0.187	-0.075	-0.0091	0.0102	-0.0244
310	0.089	-0.170	-0.051	-0.0091	0.0103	-0.0250
320	0.063	-0.119	-0.030	-0.0091	0.0103	-0.0252
330	0.020	0.023	0.010	0.0037	0.0051	-0.0093
338	0.135	-0.131	-0.025	0.0054	0.0021	-0.0072
339	0.140	-0.118	-0.023	0.0063	0.0000	0.0256
340	0.107	-0.092	-0.017	0.0075	-0.0009	0.0478
345	0.000	-0.065	0.000	0.0077	-0.0018	0.0439
350	0.000	0.110	-0.000	-0.0169	-0.0077	-0.0508
358	0.129	0.138	-0.045	-0.0206	-0.0086	-0.0594
359	0.177	0.171	-0.066	-0.0144	-0.0063	-0.0444
360	0.180	0.202	-0.073	-0.0074	0.0047	-0.0114

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.179	0.203	-0.073	-0.0071	0.0048	-0.0110
380	0.163	0.217	-0.067	-0.0070	0.0049	-0.0108
390	0.133	0.242	-0.055	-0.0067	0.0054	-0.0104
400	0.160	0.271	-0.000	-0.0067	0.0069	-0.0104
410	0.248	0.348	0.145	-0.0067	0.0079	-0.0104
420	0.104	0.266	-0.043	-0.0065	0.0049	-0.0100
430	0.049	-0.090	-0.018	-0.0090	0.0102	-0.0253
440	0.022	-0.047	-0.009	-0.0088	0.0058	-0.0265
444	0.000	-0.000	-0.000	-0.0088	0.0035	-0.0266
449	-0.102	0.214	-0.034	-0.0113	-0.0115	-0.0180
450	-0.091	0.201	-0.067	-0.0153	-0.0078	-0.0149
451	-0.087	0.181	-0.007	-0.0087	-0.0037	-0.0253
460	-0.090	0.199	-0.068	-0.0153	-0.0078	-0.0148
470	-0.080	0.179	-0.085	-0.0153	-0.0077	-0.0148
480	-0.037	0.092	-0.157	-0.0154	-0.0075	-0.0146
490	-0.027	0.072	-0.174	-0.0154	-0.0074	-0.0146
500	0.000	-0.000	-0.229	-0.0178	-0.0062	-0.0120
510	0.053	-0.157	-0.330	-0.0197	-0.0070	-0.0072
518	0.086	-0.245	-0.389	-0.0179	-0.0076	-0.0045
519	0.104	-0.255	-0.418	-0.0018	-0.0082	-0.0029
520	0.110	-0.228	-0.414	0.0154	-0.0069	0.0036
530	0.000	0.139	-0.000	0.0004	-0.0154	-0.0035
538	0.417	0.538	-0.576	-0.0249	-0.0250	-0.0155
539	0.455	0.550	-0.599	-0.0201	-0.0276	-0.0137
540	0.490	0.535	-0.556	-0.0169	-0.0346	-0.0116
550	0.579	0.457	-0.311	-0.0147	-0.0377	-0.0109
560	0.608	0.432	-0.224	-0.0140	-0.0390	-0.0106
570	0.290	0.540	-0.122	-0.0129	-0.0392	-0.0122
578	0.112	0.598	-0.064	-0.0123	-0.0377	-0.0130
579	0.020	0.610	-0.019	-0.0061	-0.0188	-0.0068
580	-0.002	0.579	0.002	0.0023	-0.0111	0.0029
590	0.000	0.567	-0.000	0.0025	-0.0103	0.0030
600	0.011	0.537	-0.009	0.0024	-0.0080	0.0027
610	0.016	0.515	-0.013	0.0024	-0.0079	0.0026
620	0.042	0.350	-0.039	0.0014	-0.0071	0.0013
630	0.044	0.327	-0.042	0.0013	-0.0071	0.0011
640	0.041	0.296	-0.040	-0.0012	-0.0047	-0.0017
648	0.706	0.397	-0.256	-0.0142	-0.0387	-0.0101
649	0.817	0.345	-0.254	-0.0142	-0.0280	-0.0089
650	0.880	0.312	-0.210	-0.0126	-0.0149	-0.0031
658	0.915	0.303	-0.171	-0.0128	-0.0142	-0.0026
659	0.954	0.291	-0.131	-0.0105	-0.0061	0.0048
660	0.991	0.263	-0.097	-0.0108	-0.0046	0.0092
670	1.058	0.171	-0.018	-0.0117	-0.0025	0.0090
680	1.088	0.129	0.022	-0.0122	-0.0016	0.0084
690	0.033	0.265	-0.033	-0.0029	-0.0031	-0.0032
700	0.021	0.235	-0.023	-0.0046	0.0000	-0.0044
705	0.889	-0.000	-0.000	-0.0127	-0.0012	0.0077
710	0.014	0.215	-0.015	-0.0046	0.0002	-0.0044

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.135	0.161	0.028	-0.0122	-0.0016	0.0084
730	0.202	-0.155	-0.004	-0.0146	0.0009	-0.0065
735	0.000	0.003	-0.000	-0.0139	-0.0011	-0.0146
740	-0.332	0.562	-0.086	-0.0128	-0.0037	-0.0259
750	-0.654	1.278	-0.169	-0.0118	-0.0021	-0.0281
758	-0.701	1.384	-0.176	-0.0117	-0.0017	-0.0276
759	-0.788	1.445	-0.150	-0.0124	0.0016	-0.0062
760	-0.784	1.381	-0.099	-0.0072	0.0000	0.0159
770	-0.622	1.259	-0.036	-0.0056	0.0002	0.0169
775	-0.490	1.161	-0.000	-0.0033	0.0003	0.0165
780	-0.358	1.058	0.014	-0.0009	0.0005	0.0152
785	0.000	0.767	-0.000	0.0008	-0.0026	0.0167
790	0.452	0.439	0.001	-0.0018	-0.0062	0.0158
792	0.749	0.154	0.075	-0.0050	-0.0092	0.0094
795	0.813	0.044	0.128	-0.0071	-0.0068	0.0056
797	0.830	-0.000	0.154	-0.0078	-0.0058	0.0042
798	0.835	-0.327	0.388	-0.0090	0.0012	-0.0027
799	0.781	-0.387	0.377	0.0044	0.0081	-0.0161
800	0.674	-0.361	0.301	0.0144	0.0204	-0.0215
808	0.630	-0.329	0.274	0.0145	0.0206	-0.0216
809	0.500	-0.225	0.259	0.0101	0.0215	-0.0195
810	0.404	-0.139	0.312	0.0051	0.0096	-0.0093
850	0.142	-0.008	0.445	0.0003	0.0009	-0.0009
860	0.119	-0.006	0.447	0.0003	0.0008	-0.0008
870	0.701	0.117	0.039	-0.0042	-0.0103	0.0099
875	0.656	0.081	-0.000	-0.0035	-0.0114	0.0103
878	0.545	-0.014	-0.113	-0.0018	-0.0126	0.0111
879	0.474	-0.085	-0.128	0.0028	-0.0001	0.0192
880	0.499	-0.167	-0.056	0.0139	0.0201	0.0238
888	1.887	-1.136	0.764	0.0128	0.0207	0.0268
889	2.020	-1.107	0.776	-0.0009	0.0260	0.0322
890	2.132	-0.927	0.672	-0.0063	0.0280	0.0413
899	2.105	-0.693	0.527	-0.0080	0.0279	0.0476
900	1.897	-0.537	0.424	-0.0127	0.0284	0.0507
902	0.000	-0.000	0.000	-0.0039	0.0210	0.0326
905	-0.721	0.447	-0.000	-0.0012	0.0149	0.0136
908	-0.886	0.617	-0.040	-0.0044	0.0125	0.0114
909	-0.886	0.683	-0.108	-0.0113	0.0131	-0.0011
910	-0.816	0.675	-0.171	-0.0092	0.0028	-0.0121
920	-0.669	0.529	-0.189	-0.0108	0.0002	-0.0130
925	0.000	0.001	-0.000	-0.0134	-0.0019	-0.0057
930	0.211	-0.065	0.003	-0.0142	0.0007	-0.0030
935	0.894	-0.000	-0.000	-0.0121	-0.0010	0.0038
940	1.097	0.070	0.020	-0.0115	-0.0014	0.0046
950	1.144	0.088	0.026	-0.0115	-0.0014	0.0046
960	-0.352	1.059	0.057	-0.0001	0.0023	0.0105
968	-0.344	1.058	0.090	0.0005	0.0031	0.0069
969	-0.312	1.060	0.132	0.0088	0.0219	-0.0062
970	-0.214	1.082	0.183	0.0160	0.0343	-0.0395

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	0.525	1.289	0.468	0.0175	0.0341	-0.0459
979	0.668	1.272	0.476	0.0162	0.0346	-0.0427
980	0.753	1.177	0.395	0.0151	0.0367	-0.0347
985	0.892	0.819	-0.000	0.0140	0.0385	-0.0319
988	1.082	0.382	-0.559	0.0125	0.0355	-0.0283
989	1.135	0.300	-0.601	0.0096	0.0011	-0.0212
990	1.091	0.257	-0.551	0.0057	-0.0418	-0.0188
1000	0.730	0.213	-0.452	0.0057	-0.0509	-0.0174
1010	0.662	0.205	-0.435	0.0057	-0.0525	-0.0171
1012	0.577	0.196	-0.415	0.0057	-0.0527	-0.0171
1016	0.213	0.156	-0.328	0.0058	-0.0531	-0.0170
1020	0.128	0.147	-0.308	0.0058	-0.0532	-0.0170
1029	-0.019	0.105	-0.205	0.0095	-0.0536	-0.0174
1030	-0.039	0.047	-0.073	0.0098	-0.0245	-0.0151
1035	0.000	0.000	-0.000	0.0105	-0.0211	-0.0148
1040	0.040	-0.046	0.059	0.0113	-0.0176	-0.0147
1045	0.064	-0.087	0.102	0.0124	-0.0135	-0.0146
1050	0.082	-0.107	0.120	0.0125	-0.0133	-0.0146
1070	0.227	-0.112	-0.055	-0.0155	0.0003	-0.0077
1080	1.079	0.113	-0.018	-0.0110	-0.0024	0.0054
1090	0.224	-0.022	-0.048	-0.0152	-0.0001	-0.0043
1100	-0.558	1.320	-0.210	-0.0116	-0.0027	-0.0280
1110	-0.621	0.572	-0.228	-0.0117	0.0002	-0.0148
1120	0.068	0.289	-0.035	-0.0033	-0.0007	-0.0050
1130	0.087	0.278	-0.037	-0.0063	0.0047	-0.0098
1190	0.001	0.161	0.003	-0.0020	0.0064	0.0001
1200	0.000	0.176	-0.000	-0.0034	0.0034	-0.0021
1210	0.006	0.193	-0.007	-0.0046	0.0004	-0.0043
1220	0.013	0.212	-0.014	-0.0047	0.0002	-0.0044
1230	0.013	-0.005	0.771	0.0002	0.0003	-0.0004
1240	0.013	-0.006	0.795	0.0003	0.0003	-0.0005
1248	0.029	-0.034	1.004	0.0031	0.0019	-0.0056
1249	0.047	-0.108	1.037	0.0182	0.0087	-0.0059
1250	0.018	-0.211	0.949	0.0282	0.0077	-0.0150
1258	-0.174	-0.368	0.607	0.0280	0.0110	-0.0161
1259	-0.220	-0.458	0.466	0.0243	0.0121	-0.0125
1260	-0.179	-0.522	0.343	0.0255	0.0208	-0.0034
1268	0.042	-0.569	-0.029	0.0217	0.0221	-0.0016
1269	0.094	-0.531	-0.103	0.0178	0.0273	0.0070
1270	0.082	-0.457	-0.102	0.0064	0.0314	0.0067
1275	0.000	-0.210	-0.000	0.0039	0.0313	-0.0006
1280	0.191	0.142	0.109	0.0057	0.0312	-0.0075
1285	0.205	0.165	0.120	0.0057	0.0312	-0.0075
1290	0.219	0.189	0.131	0.0058	0.0312	-0.0075
1300	0.222	0.193	0.133	0.0059	0.0312	-0.0074
1310	0.225	0.198	0.135	0.0060	0.0312	-0.0073
1315	0.239	0.221	0.146	0.0060	0.0312	-0.0073
1320	0.253	0.244	0.158	0.0060	0.0312	-0.0072
1325	0.347	0.560	0.379	0.0102	0.0309	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.328	0.687	0.486	0.0101	0.0308	0.0035
1329	0.239	0.711	0.574	0.0017	0.0269	0.0239
1330	0.126	0.594	0.678	-0.0032	0.0172	0.0327
1338	0.074	0.457	0.750	-0.0041	0.0167	0.0326
1339	0.062	0.306	0.805	-0.0016	0.0048	0.0184
1340	0.077	0.222	0.817	-0.0014	0.0017	-0.0001
1350	0.077	0.218	0.817	-0.0014	0.0015	-0.0001
1360	0.077	0.195	0.820	-0.0014	0.0015	-0.0002
1373	0.116	-0.146	0.155	0.0127	-0.0129	-0.0146
1376	0.150	-0.111	0.120	0.0128	-0.0125	-0.0147
1380	0.166	-0.095	0.104	0.0129	-0.0122	-0.0147
1390	0.182	-0.070	0.082	0.0139	-0.0057	-0.0157
1392	0.190	-0.051	0.064	0.0139	-0.0055	-0.0157
1396	0.219	0.028	-0.008	0.0139	-0.0047	-0.0158
1400	0.225	0.047	-0.025	0.0139	-0.0045	-0.0158
1410	0.216	0.124	-0.098	0.0121	0.0054	-0.0178
1418	0.196	0.156	-0.132	0.0106	0.0074	-0.0188
1419	0.160	0.153	-0.157	-0.0040	0.0122	-0.0206
1420	0.113	0.122	-0.146	-0.0154	0.0110	-0.0168
1425	0.000	-0.000	-0.000	-0.0114	0.0081	-0.0013
1428	0.577	-0.353	0.059	0.0003	-0.0001	0.0256
1429	0.601	-0.388	0.061	-0.0028	0.0001	0.0088
1430	0.579	-0.397	0.063	-0.0033	-0.0014	-0.0092
1435	0.000	-0.000	-0.000	-0.0204	-0.0035	0.0109
1438	-0.072	-0.085	-0.026	-0.0226	-0.0053	0.0160
1439	-0.099	-0.122	-0.061	-0.0239	-0.0110	0.0141
1440	-0.105	-0.145	-0.119	-0.0211	-0.0164	0.0067
1448	-0.090	-0.158	-0.168	-0.0201	-0.0164	0.0057
1449	-0.083	-0.157	-0.189	-0.0116	-0.0183	0.0023
1450	-0.079	-0.145	-0.199	-0.0016	-0.0190	-0.0018
1455	0.000	0.127	0.000	0.0200	-0.0188	-0.0042
1458	0.009	0.155	0.048	0.0208	-0.0188	-0.0041
1459	0.029	0.190	0.070	0.0071	-0.0175	-0.0011
1460	0.059	0.188	0.046	-0.0190	-0.0143	0.0008
1470	0.172	-0.242	-0.504	0.0364	0.0107	0.0151
1480	0.153	-0.172	-0.526	0.0432	0.0112	0.0157
1490	0.132	-0.087	-0.549	0.0505	0.0117	0.0163
1495	0.106	-0.067	-0.463	0.0564	0.0117	0.0168
1497	0.075	-0.045	-0.351	0.0710	0.0117	0.0181
1498	-0.500	1.079	-0.893	0.0399	0.0269	-0.0179
1499	-0.518	1.109	-0.914	0.0399	0.0193	-0.0198
1500	0.000	0.001	-0.000	0.1035	0.0117	0.0212
1504	0.110	0.005	-0.572	0.0502	0.0120	0.0160
1505	-0.512	1.103	-0.932	0.0390	0.0105	-0.0251
1506	0.088	0.094	-0.595	0.0494	0.0131	0.0150
1508	-0.039	-0.013	-0.211	0.0570	-0.0415	-0.0206
1509	-0.021	-0.024	-0.149	0.0580	-0.0428	-0.0127
1510	-0.008	-0.016	-0.077	0.0595	-0.0433	-0.0067
1520	0.000	0.000	-0.000	0.0596	-0.0433	-0.0063

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.012	0.364	0.782	0.0004	0.0029	0.0017
2030	0.017	0.363	0.802	0.0005	0.0032	0.0020
2040	0.029	0.361	0.824	0.0024	0.0077	0.0086
2050	0.041	0.357	0.843	0.0025	0.0078	0.0089
2060	0.054	0.353	0.863	0.0026	0.0078	0.0092
2068	0.069	0.347	0.885	0.0048	0.0070	0.0158
2069	0.088	0.305	0.891	0.0297	-0.0037	0.0222
2070	0.146	0.252	0.826	0.0448	-0.0058	0.0415
2078	0.223	0.230	0.746	0.0448	-0.0115	0.0430
2079	0.297	0.172	0.647	0.0469	-0.0211	0.0398
2080	0.300	0.104	0.545	0.0507	-0.0457	0.0220
2090	0.156	-0.093	0.000	0.0305	-0.0376	0.0128
2100	0.024	-0.194	-0.246	0.0120	-0.0097	0.0055
2108	0.001	-0.204	-0.263	0.0116	-0.0083	0.0049
2109	-0.022	-0.196	-0.255	0.0150	0.0046	-0.0031
2110	-0.023	-0.168	-0.219	0.0167	0.0086	-0.0023
2120	-0.022	-0.167	-0.217	0.0166	0.0087	-0.0022
2130	-0.019	-0.147	-0.191	0.0166	0.0088	-0.0022
2140	-0.002	-0.031	-0.039	0.0161	0.0093	-0.0014
2150	-0.000	-0.011	-0.014	0.0159	0.0094	-0.0013
2160	0.000	-0.000	-0.000	0.0126	0.0103	-0.0009
2170	0.001	0.032	0.018	0.0033	0.0133	-0.0011
2180	0.002	0.054	0.017	-0.0014	0.0158	-0.0000
2190	0.002	0.074	0.015	-0.0016	0.0159	0.0000
2200	0.002	0.108	0.010	-0.0017	0.0161	0.0002
2210	0.062	0.114	0.056	-0.0017	0.0164	0.0002
2220	0.138	0.122	0.115	-0.0017	0.0164	0.0002
2230	0.001	0.141	0.006	-0.0018	0.0159	0.0002
2240	0.013	-0.211	-0.224	0.0080	-0.0045	0.0028
2250	0.012	-0.218	-0.205	-0.0002	0.0044	-0.0037
2260	0.018	-0.218	-0.190	-0.0004	0.0046	-0.0039
2270	0.045	-0.214	-0.120	-0.0010	0.0050	-0.0047
2280	0.051	-0.212	-0.104	-0.0011	0.0051	-0.0048
2290	0.059	-0.207	-0.090	-0.0084	0.0101	-0.0255
2300	0.070	-0.197	-0.076	-0.0085	0.0102	-0.0259
2310	0.089	-0.182	-0.052	-0.0086	0.0104	-0.0265
2320	0.063	-0.128	-0.031	-0.0086	0.0104	-0.0267
2330	0.020	0.022	-0.001	0.0040	0.0107	-0.0099
2338	0.134	-0.146	-0.043	0.0084	0.0002	-0.0088
2339	0.140	-0.134	-0.038	0.0100	-0.0032	0.0250
2340	0.107	-0.108	-0.026	0.0120	-0.0046	0.0479
2345	0.000	-0.081	0.000	0.0120	-0.0056	0.0441
2350	0.000	0.094	-0.000	-0.0242	-0.0127	-0.0506
2358	0.128	0.122	-0.064	-0.0293	-0.0138	-0.0591
2359	0.177	0.155	-0.095	-0.0202	-0.0103	-0.0451
2360	0.179	0.188	-0.106	-0.0100	0.0056	-0.0130
2370	0.179	0.189	-0.105	-0.0096	0.0058	-0.0127
2380	0.162	0.205	-0.098	-0.0094	0.0060	-0.0125
2390	0.133	0.233	-0.084	-0.0091	0.0066	-0.0120

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.166	0.273	-0.029	-0.0091	0.0082	-0.0120
2410	0.268	0.376	0.116	-0.0091	0.0091	-0.0120
2420	0.103	0.261	-0.068	-0.0087	0.0065	-0.0116
2430	0.049	-0.097	-0.019	-0.0086	0.0103	-0.0268
2440	0.022	-0.051	-0.010	-0.0089	0.0060	-0.0285
2445	0.000	-0.000	-0.000	-0.0090	0.0037	-0.0288
2449	-0.103	0.237	-0.031	-0.0120	-0.0111	-0.0215
2450	-0.092	0.225	-0.064	-0.0170	-0.0078	-0.0183
2451	-0.087	0.198	-0.006	-0.0094	-0.0035	-0.0281
2460	-0.091	0.223	-0.066	-0.0170	-0.0077	-0.0183
2470	-0.081	0.200	-0.083	-0.0170	-0.0077	-0.0182
2480	-0.038	0.104	-0.155	-0.0171	-0.0074	-0.0181
2490	-0.028	0.081	-0.171	-0.0172	-0.0074	-0.0180
2500	0.000	-0.000	-0.226	-0.0203	-0.0069	-0.0157
2510	0.062	-0.181	-0.328	-0.0231	-0.0083	-0.0114
2518	0.102	-0.286	-0.386	-0.0215	-0.0086	-0.0090
2519	0.123	-0.303	-0.419	-0.0053	-0.0069	-0.0066
2520	0.133	-0.278	-0.421	0.0127	-0.0045	0.0009
2530	0.000	0.089	-0.000	0.0057	-0.0060	0.0042
2538	-0.016	0.490	-0.284	-0.0160	-0.0079	-0.0021
2539	0.003	0.508	-0.310	-0.0180	-0.0075	-0.0087
2540	0.036	0.495	-0.310	-0.0182	-0.0084	-0.0149
2550	0.123	0.387	-0.252	-0.0190	-0.0092	-0.0156
2560	0.152	0.352	-0.231	-0.0193	-0.0095	-0.0153
2570	0.074	0.503	-0.129	-0.0184	-0.0096	-0.0139
2578	0.030	0.586	-0.071	-0.0176	-0.0091	-0.0130
2579	0.003	0.609	-0.022	-0.0085	0.0001	-0.0085
2580	-0.002	0.579	0.002	0.0019	0.0055	0.0025
2590	0.000	0.568	-0.000	0.0022	0.0058	0.0028
2600	0.011	0.537	-0.008	0.0022	0.0066	0.0026
2610	0.015	0.515	-0.012	0.0021	0.0067	0.0026
2620	0.042	0.350	-0.035	0.0012	0.0069	0.0013
2630	0.044	0.328	-0.037	0.0011	0.0070	0.0011
2640	0.040	0.296	-0.035	-0.0012	0.0078	-0.0018
2648	0.176	0.303	-0.262	-0.0195	-0.0094	-0.0157
2649	0.215	0.226	-0.288	-0.0217	-0.0083	-0.0169
2650	0.260	0.149	-0.281	-0.0223	-0.0069	-0.0186
2658	0.295	0.098	-0.263	-0.0222	-0.0068	-0.0186
2659	0.311	0.032	-0.224	-0.0205	-0.0030	-0.0156
2660	0.290	-0.020	-0.170	-0.0166	-0.0009	-0.0095
2690	0.032	0.265	-0.029	-0.0026	0.0090	-0.0032
2700	0.021	0.235	-0.020	-0.0040	0.0112	-0.0044
2710	0.014	0.215	-0.013	-0.0040	0.0113	-0.0044
3120	0.068	0.288	-0.050	-0.0042	0.0069	-0.0058
3130	0.087	0.276	-0.060	-0.0085	0.0065	-0.0114
3190	0.001	0.161	0.003	-0.0018	0.0157	0.0001
3200	0.000	0.177	-0.000	-0.0031	0.0136	-0.0021
3210	0.006	0.193	-0.006	-0.0040	0.0114	-0.0043
3220	0.013	0.212	-0.012	-0.0040	0.0113	-0.0044

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.012	0.364	0.782	0.0004	0.0029	0.0017
4030	0.017	0.363	0.802	0.0005	0.0032	0.0020
4040	0.029	0.361	0.824	0.0024	0.0077	0.0086
4050	0.042	0.357	0.843	0.0025	0.0078	0.0089
4060	0.054	0.353	0.863	0.0026	0.0079	0.0092
4068	0.070	0.347	0.885	0.0048	0.0070	0.0158
4069	0.089	0.305	0.891	0.0299	-0.0036	0.0223
4070	0.147	0.252	0.825	0.0452	-0.0056	0.0416
4078	0.224	0.230	0.745	0.0453	-0.0113	0.0431
4079	0.298	0.172	0.645	0.0474	-0.0210	0.0398
4080	0.302	0.104	0.543	0.0513	-0.0455	0.0218
4090	0.157	-0.091	0.000	0.0311	-0.0373	0.0127
4100	0.025	-0.192	-0.245	0.0127	-0.0103	0.0058
4108	0.003	-0.203	-0.263	0.0127	-0.0093	0.0053
4109	-0.020	-0.196	-0.261	0.0154	-0.0006	-0.0027
4110	-0.022	-0.168	-0.229	0.0174	0.0022	-0.0022
4120	-0.021	-0.167	-0.227	0.0174	0.0023	-0.0022
4130	-0.018	-0.147	-0.200	0.0174	0.0023	-0.0021
4140	-0.002	-0.031	-0.040	0.0169	0.0026	-0.0014
4150	-0.000	-0.011	-0.014	0.0166	0.0027	-0.0013
4160	0.000	-0.000	-0.000	0.0132	0.0032	-0.0009
4170	0.001	0.032	0.019	0.0034	0.0050	-0.0010
4180	0.002	0.054	0.018	-0.0015	0.0062	-0.0000
4190	0.002	0.074	0.016	-0.0016	0.0063	0.0000
4200	0.002	0.107	0.011	-0.0018	0.0064	0.0002
4210	0.026	0.114	0.057	-0.0018	0.0067	0.0002
4220	0.058	0.122	0.116	-0.0018	0.0067	0.0002
4230	0.001	0.141	0.006	-0.0019	0.0061	0.0002
4240	0.014	-0.210	-0.224	0.0081	-0.0049	0.0032
4250	0.012	-0.217	-0.204	-0.0011	0.0044	-0.0030
4260	0.018	-0.215	-0.189	-0.0013	0.0046	-0.0032
4270	0.045	-0.206	-0.119	-0.0020	0.0050	-0.0040
4280	0.051	-0.203	-0.104	-0.0021	0.0051	-0.0042
4290	0.059	-0.197	-0.089	-0.0090	0.0101	-0.0241
4300	0.070	-0.187	-0.075	-0.0091	0.0102	-0.0244
4310	0.089	-0.170	-0.052	-0.0091	0.0103	-0.0250
4320	0.063	-0.119	-0.031	-0.0090	0.0103	-0.0252
4330	0.020	0.023	0.011	0.0037	0.0048	-0.0092
4338	0.135	-0.129	-0.023	0.0053	0.0022	-0.0070
4339	0.140	-0.116	-0.022	0.0061	0.0002	0.0257
4340	0.107	-0.091	-0.016	0.0073	-0.0007	0.0478
4345	0.000	-0.063	0.000	0.0074	-0.0016	0.0439
4350	0.000	0.112	-0.000	-0.0165	-0.0074	-0.0508
4358	0.129	0.140	-0.044	-0.0201	-0.0082	-0.0593
4359	0.177	0.172	-0.065	-0.0141	-0.0060	-0.0442
4360	0.179	0.204	-0.071	-0.0072	0.0046	-0.0112
4370	0.178	0.205	-0.071	-0.0070	0.0048	-0.0108
4380	0.162	0.218	-0.065	-0.0068	0.0049	-0.0106
4390	0.133	0.243	-0.053	-0.0066	0.0053	-0.0102

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.160	0.271	0.002	-0.0066	0.0069	-0.0102
4410	0.247	0.346	0.146	-0.0066	0.0078	-0.0102
4420	0.103	0.266	-0.041	-0.0063	0.0049	-0.0098
4430	0.049	-0.090	-0.018	-0.0090	0.0102	-0.0253
4440	0.022	-0.047	-0.009	-0.0088	0.0059	-0.0265
4445	0.000	-0.000	-0.000	-0.0088	0.0035	-0.0266
4449	-0.102	0.213	-0.033	-0.0112	-0.0115	-0.0178
4450	-0.091	0.201	-0.066	-0.0152	-0.0078	-0.0147
4451	-0.087	0.180	-0.007	-0.0087	-0.0037	-0.0252
4460	-0.090	0.199	-0.068	-0.0152	-0.0078	-0.0146
4470	-0.080	0.179	-0.085	-0.0152	-0.0077	-0.0146
4480	-0.037	0.092	-0.157	-0.0153	-0.0075	-0.0144
4490	-0.027	0.072	-0.173	-0.0154	-0.0074	-0.0144
4500	0.000	-0.000	-0.229	-0.0178	-0.0062	-0.0117
4510	0.052	-0.157	-0.330	-0.0197	-0.0069	-0.0069
4518	0.085	-0.245	-0.388	-0.0179	-0.0076	-0.0041
4519	0.104	-0.255	-0.418	-0.0017	-0.0085	-0.0026
4520	0.109	-0.228	-0.413	0.0155	-0.0072	0.0038
4530	0.000	0.140	-0.000	0.0000	-0.0165	-0.0040
4538	0.456	0.538	-0.604	-0.0261	-0.0269	-0.0171
4539	0.497	0.548	-0.628	-0.0215	-0.0296	-0.0155
4540	0.534	0.530	-0.581	-0.0182	-0.0370	-0.0136
4550	0.623	0.438	-0.320	-0.0161	-0.0402	-0.0130
4560	0.652	0.408	-0.227	-0.0155	-0.0415	-0.0128
4570	0.313	0.528	-0.126	-0.0145	-0.0418	-0.0142
4578	0.124	0.593	-0.068	-0.0139	-0.0403	-0.0149
4579	0.023	0.609	-0.020	-0.0072	-0.0204	-0.0082
4580	-0.002	0.579	0.002	0.0022	-0.0121	0.0028
4590	0.000	0.567	-0.000	0.0024	-0.0112	0.0029
4600	0.011	0.537	-0.009	0.0024	-0.0088	0.0026
4610	0.016	0.514	-0.013	0.0024	-0.0087	0.0026
4620	0.042	0.350	-0.039	0.0014	-0.0080	0.0013
4630	0.044	0.327	-0.042	0.0013	-0.0079	0.0011
4640	0.040	0.296	-0.040	-0.0012	-0.0054	-0.0017
4648	0.757	0.369	-0.259	-0.0156	-0.0412	-0.0123
4649	0.873	0.312	-0.255	-0.0150	-0.0296	-0.0110
4650	0.938	0.271	-0.208	-0.0133	-0.0157	-0.0056
4658	0.973	0.256	-0.167	-0.0134	-0.0149	-0.0051
4659	1.009	0.236	-0.125	-0.0107	-0.0062	0.0019
4660	1.037	0.204	-0.092	-0.0102	-0.0045	0.0058
4690	0.032	0.265	-0.034	-0.0029	-0.0038	-0.0032
4700	0.021	0.235	-0.023	-0.0046	-0.0006	-0.0044
4710	0.014	0.215	-0.015	-0.0047	-0.0004	-0.0044
5120	0.068	0.289	-0.033	-0.0033	-0.0012	-0.0049
5130	0.087	0.279	-0.035	-0.0062	0.0046	-0.0096
5190	0.001	0.161	0.003	-0.0020	0.0059	0.0001
5200	0.000	0.176	-0.000	-0.0035	0.0028	-0.0021
5210	0.006	0.192	-0.007	-0.0046	-0.0002	-0.0043
5220	0.013	0.212	-0.014	-0.0047	-0.0004	-0.0044

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.012	0.364	0.782	0.0004	0.0029	0.0017
6030	0.017	0.363	0.802	0.0005	0.0032	0.0020
6040	0.029	0.361	0.824	0.0024	0.0077	0.0086
6050	0.041	0.357	0.843	0.0025	0.0078	0.0089
6060	0.054	0.353	0.863	0.0026	0.0078	0.0092
6068	0.069	0.347	0.885	0.0048	0.0070	0.0158
6069	0.089	0.305	0.891	0.0298	-0.0037	0.0222
6070	0.146	0.252	0.826	0.0448	-0.0058	0.0415
6078	0.223	0.230	0.746	0.0448	-0.0115	0.0431
6079	0.297	0.172	0.647	0.0468	-0.0211	0.0399
6080	0.301	0.103	0.545	0.0507	-0.0457	0.0220
6090	0.156	-0.093	0.000	0.0304	-0.0376	0.0128
6100	0.024	-0.194	-0.246	0.0119	-0.0097	0.0055
6108	0.001	-0.204	-0.262	0.0114	-0.0082	0.0049
6109	-0.021	-0.196	-0.254	0.0149	0.0048	-0.0030
6110	-0.022	-0.168	-0.218	0.0166	0.0087	-0.0023
6120	-0.022	-0.167	-0.216	0.0166	0.0089	-0.0022
6130	-0.018	-0.147	-0.190	0.0166	0.0090	-0.0021
6140	-0.002	-0.031	-0.039	0.0161	0.0095	-0.0014
6150	-0.000	-0.011	-0.014	0.0158	0.0096	-0.0013
6160	0.000	-0.000	-0.000	0.0125	0.0105	-0.0009
6170	0.001	0.032	0.018	0.0032	0.0135	-0.0011
6180	0.002	0.054	0.017	-0.0014	0.0161	-0.0000
6190	0.002	0.074	0.015	-0.0016	0.0162	0.0000
6200	0.002	0.108	0.010	-0.0017	0.0163	0.0002
6210	0.063	0.114	0.056	-0.0017	0.0166	0.0002
6220	0.141	0.122	0.115	-0.0017	0.0167	0.0002
6230	0.001	0.141	0.006	-0.0018	0.0161	0.0002
6240	0.013	-0.210	-0.224	0.0078	-0.0045	0.0028
6250	0.013	-0.218	-0.204	-0.0004	0.0044	-0.0036
6260	0.018	-0.217	-0.189	-0.0006	0.0046	-0.0038
6270	0.045	-0.212	-0.119	-0.0012	0.0050	-0.0046
6280	0.051	-0.210	-0.104	-0.0013	0.0051	-0.0047
6290	0.059	-0.205	-0.089	-0.0086	0.0101	-0.0252
6300	0.070	-0.195	-0.075	-0.0087	0.0102	-0.0256
6310	0.089	-0.179	-0.052	-0.0087	0.0103	-0.0261
6320	0.063	-0.126	-0.031	-0.0087	0.0103	-0.0264
6330	0.019	0.022	-0.001	0.0040	0.0109	-0.0100
6338	0.134	-0.147	-0.044	0.0085	0.0001	-0.0090
6339	0.140	-0.136	-0.039	0.0101	-0.0033	0.0249
6340	0.107	-0.110	-0.027	0.0121	-0.0047	0.0479
6345	0.000	-0.083	0.000	0.0121	-0.0058	0.0441
6350	0.000	0.093	-0.000	-0.0245	-0.0129	-0.0506
6358	0.128	0.120	-0.065	-0.0296	-0.0140	-0.0593
6359	0.177	0.153	-0.096	-0.0203	-0.0104	-0.0453
6360	0.180	0.186	-0.107	-0.0101	0.0056	-0.0132
6370	0.179	0.187	-0.107	-0.0097	0.0058	-0.0128
6380	0.163	0.203	-0.099	-0.0095	0.0060	-0.0126
6390	0.133	0.232	-0.085	-0.0092	0.0066	-0.0122

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.166	0.272	-0.030	-0.0092	0.0082	-0.0122
6410	0.268	0.377	0.115	-0.0092	0.0091	-0.0122
6420	0.104	0.261	-0.069	-0.0088	0.0065	-0.0118
6430	0.049	-0.095	-0.019	-0.0087	0.0102	-0.0265
6440	0.022	-0.050	-0.010	-0.0090	0.0059	-0.0282
6445	0.000	-0.000	-0.000	-0.0091	0.0036	-0.0284
6449	-0.103	0.233	-0.033	-0.0119	-0.0112	-0.0213
6450	-0.092	0.222	-0.066	-0.0167	-0.0078	-0.0182
6451	-0.087	0.195	-0.007	-0.0095	-0.0037	-0.0277
6460	-0.091	0.220	-0.068	-0.0168	-0.0077	-0.0181
6470	-0.081	0.197	-0.085	-0.0168	-0.0077	-0.0181
6480	-0.038	0.102	-0.156	-0.0169	-0.0074	-0.0179
6490	-0.028	0.079	-0.173	-0.0169	-0.0074	-0.0179
6500	0.000	-0.000	-0.228	-0.0199	-0.0069	-0.0156
6510	0.063	-0.177	-0.330	-0.0226	-0.0083	-0.0115
6518	0.102	-0.279	-0.388	-0.0209	-0.0086	-0.0091
6519	0.123	-0.295	-0.420	-0.0050	-0.0066	-0.0067
6520	0.133	-0.271	-0.422	0.0127	-0.0042	0.0007
6530	0.000	0.097	-0.000	0.0059	-0.0051	0.0045
6538	-0.045	0.498	-0.263	-0.0148	-0.0062	-0.0006
6539	-0.029	0.518	-0.288	-0.0161	-0.0060	-0.0065
6540	0.002	0.509	-0.289	-0.0162	-0.0068	-0.0120
6550	0.089	0.422	-0.242	-0.0167	-0.0075	-0.0126
6560	0.118	0.393	-0.224	-0.0168	-0.0078	-0.0124
6570	0.054	0.524	-0.123	-0.0157	-0.0078	-0.0112
6578	0.019	0.594	-0.065	-0.0149	-0.0073	-0.0106
6579	-0.001	0.611	-0.018	-0.0065	0.0012	-0.0067
6580	-0.002	0.579	0.002	0.0022	0.0059	0.0027
6590	0.000	0.568	-0.000	0.0023	0.0062	0.0029
6600	0.011	0.537	-0.008	0.0022	0.0070	0.0027
6610	0.016	0.515	-0.013	0.0022	0.0071	0.0026
6620	0.042	0.350	-0.035	0.0012	0.0073	0.0013
6630	0.044	0.328	-0.037	0.0011	0.0074	0.0011
6640	0.041	0.296	-0.035	-0.0012	0.0082	-0.0018
6648	0.137	0.351	-0.256	-0.0171	-0.0078	-0.0126
6649	0.174	0.282	-0.282	-0.0202	-0.0081	-0.0139
6650	0.219	0.216	-0.275	-0.0210	-0.0076	-0.0153
6658	0.254	0.174	-0.254	-0.0211	-0.0075	-0.0152
6659	0.274	0.118	-0.215	-0.0197	-0.0036	-0.0122
6660	0.262	0.069	-0.161	-0.0164	-0.0016	-0.0061
6690	0.033	0.265	-0.029	-0.0026	0.0093	-0.0033
6700	0.021	0.235	-0.020	-0.0040	0.0115	-0.0044
6710	0.014	0.215	-0.014	-0.0041	0.0116	-0.0044
7120	0.068	0.288	-0.051	-0.0042	0.0070	-0.0059
7130	0.088	0.275	-0.061	-0.0086	0.0065	-0.0115
7190	0.001	0.161	0.003	-0.0018	0.0160	0.0001
7200	0.000	0.177	-0.000	-0.0031	0.0139	-0.0021
7210	0.006	0.193	-0.006	-0.0041	0.0118	-0.0043
7220	0.013	0.212	-0.013	-0.0041	0.0116	-0.0044

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.002	0.365	0.727	0.0001	0.0008	0.0004
7560	0.007	0.364	0.763	0.0003	0.0026	0.0014
7570	0.012	0.364	0.782	0.0004	0.0029	0.0017
8020	0.012	0.364	0.782	0.0004	0.0029	0.0017
8030	0.017	0.363	0.802	0.0005	0.0032	0.0020
8040	0.029	0.361	0.824	0.0023	0.0077	0.0087
8050	0.042	0.357	0.843	0.0024	0.0078	0.0090
8060	0.054	0.353	0.863	0.0025	0.0079	0.0093
8068	0.070	0.347	0.885	0.0047	0.0070	0.0159
8069	0.089	0.306	0.891	0.0289	-0.0038	0.0224
8070	0.147	0.255	0.829	0.0432	-0.0059	0.0418
8078	0.224	0.232	0.752	0.0433	-0.0117	0.0434
8079	0.299	0.174	0.656	0.0450	-0.0213	0.0402
8080	0.303	0.105	0.554	0.0490	-0.0462	0.0221
8090	0.158	-0.092	0.000	0.0285	-0.0387	0.0128
8100	0.026	-0.193	-0.257	0.0097	-0.0100	0.0057
8108	0.004	-0.203	-0.274	0.0093	-0.0081	0.0051
8109	-0.019	-0.196	-0.263	0.0141	0.0090	-0.0029
8110	-0.021	-0.168	-0.222	0.0170	0.0144	-0.0021
8120	-0.020	-0.167	-0.220	0.0169	0.0146	-0.0021
8130	-0.017	-0.147	-0.194	0.0169	0.0147	-0.0020
8140	-0.002	-0.031	-0.039	0.0164	0.0153	-0.0013
8150	-0.000	-0.011	-0.014	0.0162	0.0155	-0.0012
8160	0.000	-0.000	-0.000	0.0128	0.0167	-0.0008
8170	0.000	0.032	0.018	0.0033	0.0205	-0.0011
8180	0.002	0.055	0.018	-0.0015	0.0241	-0.0001
8190	0.002	0.074	0.015	-0.0016	0.0242	0.0000
8200	0.002	0.108	0.010	-0.0017	0.0245	0.0001
8210	0.092	0.114	0.057	-0.0017	0.0247	0.0001
8220	0.208	0.122	0.116	-0.0017	0.0248	0.0001
8230	0.001	0.142	0.006	-0.0018	0.0243	0.0002
8240	0.015	-0.206	-0.235	0.0057	-0.0049	0.0033
8250	0.013	-0.210	-0.216	-0.0024	0.0040	-0.0025
8260	0.018	-0.207	-0.200	-0.0026	0.0042	-0.0027
8270	0.043	-0.190	-0.130	-0.0032	0.0046	-0.0034
8280	0.049	-0.187	-0.115	-0.0033	0.0047	-0.0035
8290	0.056	-0.180	-0.101	-0.0081	0.0111	-0.0220
8300	0.069	-0.171	-0.087	-0.0081	0.0113	-0.0223
8310	0.090	-0.156	-0.063	-0.0081	0.0115	-0.0228
8320	0.064	-0.109	-0.040	-0.0080	0.0115	-0.0230
8330	0.019	0.022	-0.010	0.0045	0.0159	-0.0107
8338	0.134	-0.165	-0.061	0.0112	-0.0015	-0.0110

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.141	-0.155	-0.052	0.0134	-0.0061	0.0239
8340	0.108	-0.130	-0.035	0.0161	-0.0078	0.0480
8345	0.000	-0.103	0.000	0.0160	-0.0091	0.0443
8350	0.000	0.073	-0.000	-0.0310	-0.0175	-0.0511
8358	0.130	0.100	-0.082	-0.0374	-0.0188	-0.0600
8359	0.179	0.134	-0.122	-0.0255	-0.0142	-0.0469
8360	0.183	0.169	-0.136	-0.0125	0.0061	-0.0153
8370	0.182	0.170	-0.136	-0.0121	0.0064	-0.0149
8380	0.166	0.189	-0.128	-0.0118	0.0066	-0.0147
8390	0.136	0.222	-0.112	-0.0114	0.0074	-0.0142
8400	0.172	0.272	-0.057	-0.0114	0.0090	-0.0142
8410	0.284	0.402	0.088	-0.0114	0.0099	-0.0142
8420	0.107	0.255	-0.094	-0.0109	0.0076	-0.0137
8430	0.050	-0.082	-0.026	-0.0080	0.0115	-0.0231
8440	0.022	-0.043	-0.014	-0.0074	0.0083	-0.0242
8445	0.000	-0.000	-0.000	-0.0072	0.0064	-0.0243
8449	-0.064	0.122	-0.001	-0.0078	-0.0069	-0.0205
8450	-0.060	0.121	-0.031	-0.0092	-0.0051	-0.0192
8451	-0.044	0.085	0.014	-0.0069	0.0030	-0.0239
8460	-0.059	0.120	-0.033	-0.0092	-0.0051	-0.0191
8470	-0.052	0.108	-0.050	-0.0092	-0.0051	-0.0191
8480	-0.024	0.055	-0.122	-0.0092	-0.0048	-0.0190
8490	-0.018	0.043	-0.139	-0.0092	-0.0048	-0.0190
8500	0.000	-0.000	-0.194	-0.0108	-0.0049	-0.0175
8510	0.050	-0.097	-0.295	-0.0122	-0.0067	-0.0149
8518	0.081	-0.151	-0.354	-0.0110	-0.0063	-0.0134
8519	0.097	-0.153	-0.381	-0.0004	-0.0009	-0.0104
8520	0.109	-0.126	-0.379	0.0115	0.0025	-0.0030
8530	0.000	0.241	-0.000	0.0078	0.0121	0.0104
8538	-0.506	0.646	0.019	0.0003	0.0227	0.0182
8539	-0.527	0.681	0.005	0.0038	0.0225	0.0134
8540	-0.513	0.711	-0.036	0.0040	0.0249	0.0073
8550	-0.471	0.735	-0.125	0.0054	0.0256	0.0064
8560	-0.442	0.749	-0.184	0.0062	0.0260	0.0059
8570	-0.232	0.693	-0.082	0.0073	0.0261	0.0062
8578	-0.113	0.659	-0.024	0.0075	0.0257	0.0064
8579	-0.039	0.623	0.003	0.0067	0.0216	0.0050
8580	-0.003	0.580	0.003	0.0032	0.0202	0.0037
8590	0.000	0.569	-0.000	0.0031	0.0201	0.0037
8600	0.012	0.538	-0.009	0.0023	0.0196	0.0029
8610	0.017	0.516	-0.013	0.0022	0.0196	0.0028
8620	0.045	0.351	-0.035	0.0011	0.0195	0.0014
8630	0.047	0.329	-0.037	0.0010	0.0194	0.0012
8640	0.044	0.297	-0.035	-0.0013	0.0190	-0.0020
8648	-0.507	0.764	-0.215	0.0059	0.0258	0.0056
8649	-0.555	0.776	-0.274	-0.0012	0.0172	0.0023
8650	-0.536	0.769	-0.322	-0.0049	0.0071	-0.0045
8658	-0.502	0.756	-0.341	-0.0056	0.0067	-0.0050
8659	-0.478	0.717	-0.344	-0.0084	0.0017	-0.0125

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.506	0.664	-0.315	-0.0123	0.0001	-0.0162
8690	0.035	0.266	-0.029	-0.0026	0.0197	-0.0035
8700	0.023	0.236	-0.019	-0.0039	0.0212	-0.0047
8710	0.015	0.216	-0.013	-0.0040	0.0213	-0.0047
9120	0.071	0.287	-0.068	-0.0052	0.0135	-0.0069
9130	0.091	0.273	-0.085	-0.0107	0.0078	-0.0134
9190	0.001	0.161	0.003	-0.0019	0.0242	0.0001
9200	0.000	0.177	-0.000	-0.0030	0.0228	-0.0023
9210	0.007	0.193	-0.006	-0.0040	0.0214	-0.0047
9220	0.014	0.213	-0.012	-0.0040	0.0213	-0.0047
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.002	0.365	0.727	0.0001	0.0008	0.0004
9560	0.007	0.364	0.763	0.0003	0.0026	0.0014
9570	0.012	0.364	0.782	0.0004	0.0029	0.0017
10020	0.012	0.364	0.782	0.0003	0.0029	0.0017
10030	0.017	0.363	0.802	0.0004	0.0032	0.0020
10040	0.029	0.361	0.824	0.0023	0.0076	0.0086
10050	0.041	0.358	0.843	0.0024	0.0077	0.0089
10060	0.054	0.354	0.863	0.0024	0.0078	0.0092
10068	0.069	0.348	0.885	0.0047	0.0069	0.0158
10069	0.087	0.306	0.891	0.0299	-0.0045	0.0219
10070	0.143	0.253	0.825	0.0449	-0.0069	0.0409
10078	0.219	0.231	0.745	0.0449	-0.0127	0.0424
10079	0.291	0.174	0.646	0.0458	-0.0221	0.0389
10080	0.294	0.107	0.544	0.0491	-0.0461	0.0210
10090	0.150	-0.082	0.000	0.0271	-0.0363	0.0126
10100	0.018	-0.189	-0.224	0.0069	-0.0077	0.0071
10108	-0.005	-0.202	-0.237	0.0067	-0.0063	0.0065
10109	-0.028	-0.196	-0.229	0.0108	0.0074	-0.0025
10110	-0.029	-0.168	-0.196	0.0148	0.0123	-0.0028
10120	-0.029	-0.167	-0.194	0.0148	0.0125	-0.0027
10130	-0.024	-0.147	-0.171	0.0148	0.0125	-0.0027
10140	-0.003	-0.031	-0.035	0.0145	0.0131	-0.0019
10150	-0.001	-0.011	-0.012	0.0143	0.0132	-0.0018
10160	0.000	-0.000	-0.000	0.0113	0.0142	-0.0013
10170	0.001	0.033	0.016	0.0030	0.0173	-0.0012
10180	0.003	0.055	0.016	-0.0013	0.0203	0.0000
10190	0.003	0.075	0.013	-0.0014	0.0204	0.0001
10200	0.002	0.108	0.009	-0.0015	0.0206	0.0002
10210	0.078	0.114	0.056	-0.0015	0.0209	0.0002
10220	0.176	0.121	0.115	-0.0015	0.0209	0.0002
10230	0.001	0.142	0.005	-0.0016	0.0204	0.0002
10240	0.010	-0.196	-0.202	0.0022	-0.0029	0.0054

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	0.011	-0.194	-0.182	-0.0072	0.0053	0.0014
10260	0.018	-0.185	-0.167	-0.0074	0.0055	0.0013
10270	0.050	-0.142	-0.097	-0.0081	0.0058	0.0008
10280	0.056	-0.132	-0.082	-0.0081	0.0058	0.0007
10290	0.064	-0.120	-0.068	-0.0128	0.0079	-0.0122
10300	0.073	-0.105	-0.053	-0.0128	0.0079	-0.0124
10310	0.087	-0.082	-0.030	-0.0128	0.0080	-0.0128
10320	0.062	-0.056	-0.014	-0.0127	0.0079	-0.0129
10330	0.020	0.022	-0.008	0.0039	0.0135	-0.0106
10338	0.135	-0.160	-0.053	0.0099	-0.0010	-0.0104
10339	0.141	-0.150	-0.046	0.0118	-0.0051	0.0243
10340	0.108	-0.124	-0.031	0.0142	-0.0067	0.0481
10345	0.000	-0.097	0.000	0.0142	-0.0079	0.0445
10350	0.000	0.078	-0.000	-0.0280	-0.0156	-0.0517
10358	0.131	0.106	-0.074	-0.0338	-0.0168	-0.0607
10359	0.182	0.139	-0.110	-0.0232	-0.0128	-0.0471
10360	0.185	0.174	-0.123	-0.0115	0.0055	-0.0147
10370	0.184	0.175	-0.123	-0.0111	0.0057	-0.0143
10380	0.168	0.193	-0.115	-0.0109	0.0059	-0.0141
10390	0.139	0.226	-0.101	-0.0105	0.0067	-0.0136
10400	0.171	0.271	-0.046	-0.0105	0.0082	-0.0136
10410	0.274	0.391	0.098	-0.0105	0.0092	-0.0136
10420	0.109	0.257	-0.086	-0.0101	0.0067	-0.0132
10430	0.047	-0.041	-0.004	-0.0126	0.0077	-0.0129
10440	0.022	-0.023	-0.001	-0.0114	0.0015	-0.0127
10445	0.000	-0.001	-0.000	-0.0111	-0.0016	-0.0123
10449	-0.122	0.107	-0.117	-0.0098	-0.0166	-0.0080
10450	-0.105	0.096	-0.153	-0.0078	-0.0089	-0.0081
10451	-0.111	0.098	-0.078	-0.0097	-0.0125	-0.0102
10460	-0.104	0.095	-0.155	-0.0078	-0.0089	-0.0081
10470	-0.092	0.085	-0.172	-0.0078	-0.0088	-0.0081
10480	-0.043	0.041	-0.244	-0.0077	-0.0085	-0.0080
10490	-0.032	0.031	-0.261	-0.0077	-0.0085	-0.0080
10500	0.000	0.000	-0.316	-0.0062	-0.0078	-0.0073
10510	0.068	-0.037	-0.417	-0.0029	-0.0085	-0.0059
10518	0.106	-0.045	-0.475	-0.0007	-0.0079	-0.0051
10519	0.119	-0.027	-0.494	0.0104	-0.0027	-0.0028
10520	0.121	0.008	-0.474	0.0203	0.0000	0.0020
10525	0.000	0.326	-0.000	0.0108	0.0087	0.0070
10530	-0.028	0.377	0.033	0.0063	0.0101	0.0073
10538	-0.458	0.783	0.074	0.0060	0.0214	0.0199
10539	-0.491	0.826	0.082	0.0188	0.0182	0.0253
10540	-0.489	0.887	0.066	0.0225	0.0173	0.0277
10550	-0.379	1.128	-0.092	0.0317	0.0181	0.0252
10560	-0.350	1.184	-0.133	0.0341	0.0181	0.0237
10570	-0.204	0.901	-0.032	0.0356	0.0183	0.0203
10578	-0.120	0.737	0.026	0.0352	0.0185	0.0183
10579	-0.050	0.637	0.029	0.0230	0.0161	0.0153
10580	-0.004	0.581	0.004	0.0047	0.0128	0.0048

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	0.000	0.570	-0.000	0.0043	0.0129	0.0045
10600	0.013	0.539	-0.011	0.0026	0.0131	0.0031
10610	0.019	0.517	-0.016	0.0025	0.0131	0.0030
10620	0.048	0.352	-0.041	0.0013	0.0132	0.0014
10630	0.050	0.329	-0.043	0.0011	0.0132	0.0012
10640	0.046	0.298	-0.040	-0.0015	0.0134	-0.0021
10648	-0.395	1.270	-0.165	0.0335	0.0178	0.0241
10649	-0.423	1.372	-0.217	0.0201	0.0118	0.0197
10650	-0.399	1.435	-0.255	0.0140	0.0061	0.0114
10658	-0.365	1.467	-0.271	0.0120	0.0059	0.0108
10659	-0.329	1.462	-0.294	0.0064	0.0007	-0.0064
10660	-0.362	1.411	-0.288	-0.0096	-0.0040	-0.0261
10690	0.037	0.266	-0.033	-0.0030	0.0144	-0.0037
10700	0.024	0.236	-0.022	-0.0045	0.0163	-0.0050
10710	0.016	0.216	-0.015	-0.0046	0.0164	-0.0050
11120	0.073	0.288	-0.064	-0.0049	0.0100	-0.0067
11130	0.093	0.274	-0.077	-0.0099	0.0068	-0.0129
11190	0.001	0.161	0.003	-0.0017	0.0203	0.0001
11200	0.000	0.177	-0.000	-0.0032	0.0184	-0.0024
11210	0.007	0.194	-0.007	-0.0045	0.0166	-0.0049
11220	0.015	0.213	-0.014	-0.0046	0.0164	-0.0050
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.002	0.365	0.727	0.0001	0.0008	0.0004
11560	0.007	0.364	0.763	0.0003	0.0026	0.0014
11570	0.012	0.364	0.782	0.0004	0.0029	0.0017
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.002	0.365	0.727	0.0001	0.0008	0.0004
13560	0.007	0.364	0.763	0.0003	0.0026	0.0014
13570	0.012	0.364	0.782	0.0004	0.0029	0.0017
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.002	0.365	0.727	0.0001	0.0008	0.0004

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 16 (OPE) W+T3+U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.007	0.364	0.763	0.0003	0.0026	0.0014
15570	0.012	0.364	0.782	0.0004	0.0029	0.0017
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.002	0.365	0.727	0.0001	0.0008	0.0004
17560	0.007	0.364	0.763	0.0003	0.0026	0.0014
17570	0.012	0.364	0.782	0.0003	0.0029	0.0017
18000	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.001	-0.000	0.172	0.0001	0.0001	-0.0001
18020	0.006	-0.002	0.451	0.0001	0.0003	-0.0002
18022	0.074	-0.004	0.449	0.0001	0.0003	-0.0002
18025	0.074	-0.004	0.449	0.0001	0.0003	-0.0002
18027	0.096	-0.005	0.448	0.0003	0.0008	-0.0007
18030	0.119	-0.006	0.447	0.0003	0.0008	-0.0008
18040	0.011	-0.005	0.726	0.0001	0.0003	-0.0002
18042	0.011	-0.005	0.726	0.0001	0.0003	-0.0002
18045	0.012	-0.005	0.748	0.0002	0.0003	-0.0004
18050	0.013	-0.005	0.771	0.0002	0.0003	-0.0004
19000	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
19500	0.074	0.079	0.837	-0.0014	0.0013	-0.0002
19550	0.076	0.168	0.824	-0.0014	0.0014	-0.0002
19560	0.076	0.168	0.824	-0.0014	0.0014	-0.0002
19580	0.077	0.177	0.823	-0.0014	0.0015	-0.0002
19600	0.077	0.195	0.820	-0.0014	0.0015	-0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.000	0.363	0.782	0.0006	0.0001	0.0008
30	0.000	0.362	0.802	0.0007	0.0001	0.0010
40	0.001	0.359	0.824	0.0029	-0.0001	0.0043
50	0.001	0.354	0.843	0.0029	-0.0001	0.0045
60	0.001	0.350	0.863	0.0030	-0.0002	0.0046
68	0.000	0.343	0.885	0.0051	-0.0018	0.0079
69	-0.012	0.303	0.893	0.0260	-0.0170	0.0082
70	-0.004	0.255	0.839	0.0384	-0.0205	0.0169
78	0.028	0.233	0.770	0.0386	-0.0245	0.0180
79	0.058	0.192	0.674	0.0406	-0.0314	0.0221
80	0.051	0.142	0.565	0.0433	-0.0481	0.0190
90	-0.095	-0.059	0.000	0.0295	-0.0415	0.0151
95	-0.180	-0.149	-0.227	0.0215	-0.0244	0.0113
100	-0.229	-0.189	-0.300	0.0169	-0.0120	0.0084
108	-0.252	-0.204	-0.322	0.0185	-0.0124	0.0078
109	-0.276	-0.199	-0.334	0.0194	-0.0169	-0.0044
110	-0.263	-0.168	-0.307	0.0233	-0.0181	-0.0196
120	-0.260	-0.167	-0.304	0.0233	-0.0182	-0.0197
130	-0.229	-0.147	-0.268	0.0233	-0.0183	-0.0198
140	-0.047	-0.031	-0.054	0.0227	-0.0187	-0.0194
150	-0.017	-0.011	-0.019	0.0223	-0.0188	-0.0191
160	-0.000	-0.000	-0.000	0.0177	-0.0196	-0.0148
170	0.017	0.032	0.026	0.0047	-0.0221	-0.0040
180	0.018	0.054	0.026	-0.0020	-0.0255	0.0013
190	0.016	0.074	0.023	-0.0022	-0.0256	0.0015
200	0.011	0.107	0.016	-0.0025	-0.0258	0.0017
210	-0.084	0.116	0.062	-0.0025	-0.0261	0.0017
220	-0.206	0.128	0.121	-0.0025	-0.0262	0.0017
230	0.007	0.141	0.009	-0.0027	-0.0257	0.0019
240	-0.237	-0.212	-0.278	0.0112	0.0003	0.0054
250	-0.222	-0.223	-0.259	-0.0001	0.0252	-0.0016
260	-0.191	-0.222	-0.244	-0.0004	0.0258	-0.0018
270	-0.043	-0.217	-0.174	-0.0013	0.0275	-0.0027
280	-0.010	-0.216	-0.159	-0.0014	0.0276	-0.0029
290	0.023	-0.209	-0.145	-0.0098	0.0231	-0.0254
300	0.049	-0.198	-0.131	-0.0099	0.0228	-0.0258
310	0.091	-0.180	-0.107	-0.0099	0.0218	-0.0264
320	0.065	-0.126	-0.064	-0.0099	0.0210	-0.0266
330	0.036	0.021	0.053	0.0032	-0.0143	-0.0093
338	0.150	-0.077	0.046	-0.0062	0.0085	0.0020
339	0.152	-0.055	0.034	-0.0079	0.0103	0.0345
340	0.112	-0.026	0.021	-0.0097	0.0107	0.0515
345	0.000	0.001	0.000	-0.0092	0.0100	0.0429
350	-0.000	0.180	0.000	0.0129	0.0054	-0.0233
358	0.052	0.208	0.033	0.0150	0.0047	-0.0233
359	0.067	0.227	0.047	0.0091	0.0018	-0.0171
360	0.061	0.244	0.048	0.0032	-0.0084	-0.0067

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.060	0.244	0.047	0.0030	-0.0085	-0.0066
380	0.044	0.253	0.036	0.0029	-0.0086	-0.0065
390	0.014	0.268	0.016	0.0027	-0.0090	-0.0063
400	-0.029	0.256	0.071	0.0027	-0.0105	-0.0063
410	-0.158	0.225	0.215	0.0027	-0.0115	-0.0063
420	-0.016	0.282	-0.005	0.0025	-0.0087	-0.0060
430	0.050	-0.095	-0.040	-0.0099	0.0206	-0.0267
440	0.022	-0.050	-0.020	-0.0096	0.0127	-0.0279
444	-0.000	-0.001	-0.000	-0.0095	0.0107	-0.0279
449	-0.113	0.221	0.048	-0.0120	-0.0005	-0.0184
450	-0.115	0.208	0.022	-0.0158	-0.0087	-0.0152
451	-0.088	0.188	0.053	-0.0094	0.0059	-0.0262
460	-0.114	0.206	0.020	-0.0158	-0.0087	-0.0152
470	-0.102	0.185	0.003	-0.0158	-0.0088	-0.0151
480	-0.052	0.095	-0.069	-0.0159	-0.0090	-0.0149
490	-0.040	0.073	-0.085	-0.0159	-0.0090	-0.0149
500	-0.000	-0.000	-0.140	-0.0180	-0.0074	-0.0122
510	0.036	-0.157	-0.242	-0.0196	-0.0029	-0.0072
518	0.048	-0.244	-0.300	-0.0179	-0.0026	-0.0043
519	0.055	-0.256	-0.330	-0.0035	-0.0022	-0.0025
520	0.055	-0.231	-0.332	0.0119	-0.0010	0.0031
530	-0.000	0.136	-0.000	-0.0001	-0.0101	-0.0032
538	0.357	0.535	-0.510	-0.0220	-0.0203	-0.0163
539	0.397	0.546	-0.532	-0.0186	-0.0225	-0.0152
540	0.433	0.530	-0.498	-0.0159	-0.0289	-0.0116
550	0.523	0.455	-0.293	-0.0145	-0.0315	-0.0096
560	0.551	0.434	-0.221	-0.0141	-0.0326	-0.0086
570	0.288	0.542	-0.119	-0.0129	-0.0326	-0.0094
578	0.140	0.599	-0.061	-0.0122	-0.0319	-0.0098
579	0.050	0.611	-0.016	-0.0057	-0.0246	-0.0076
580	0.005	0.578	0.003	0.0033	-0.0222	-0.0055
590	-0.000	0.567	-0.000	0.0036	-0.0219	-0.0055
600	-0.016	0.537	-0.012	0.0036	-0.0210	-0.0046
610	-0.025	0.514	-0.019	0.0035	-0.0210	-0.0045
620	-0.074	0.349	-0.058	0.0024	-0.0207	-0.0029
630	-0.079	0.327	-0.062	0.0022	-0.0207	-0.0027
640	-0.078	0.296	-0.062	-0.0013	-0.0198	0.0017
648	0.634	0.398	-0.253	-0.0144	-0.0325	-0.0080
649	0.731	0.347	-0.256	-0.0150	-0.0243	-0.0068
650	0.790	0.319	-0.220	-0.0131	-0.0127	0.0001
658	0.825	0.320	-0.187	-0.0134	-0.0120	0.0008
659	0.871	0.321	-0.150	-0.0116	-0.0055	0.0107
660	0.925	0.300	-0.112	-0.0130	-0.0046	0.0152
670	1.033	0.208	-0.016	-0.0141	-0.0030	0.0136
680	1.077	0.166	0.032	-0.0147	-0.0022	0.0115
690	-0.065	0.265	-0.052	-0.0042	-0.0207	0.0053
700	-0.044	0.234	-0.036	-0.0072	-0.0223	0.0089
705	0.879	-0.000	-0.000	-0.0154	-0.0018	0.0092
710	-0.030	0.215	-0.024	-0.0073	-0.0224	0.0089

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.125	0.209	0.041	-0.0147	-0.0022	0.0115
730	0.199	-0.155	-0.018	-0.0179	0.0014	-0.0062
735	-0.000	0.003	-0.000	-0.0181	0.0003	-0.0147
740	-0.337	0.562	-0.030	-0.0184	-0.0017	-0.0258
750	-0.663	1.263	-0.090	-0.0189	-0.0029	-0.0271
758	-0.710	1.365	-0.101	-0.0190	-0.0032	-0.0268
759	-0.802	1.434	-0.107	-0.0151	-0.0139	-0.0100
760	-0.814	1.378	-0.089	-0.0065	-0.0193	0.0142
770	-0.663	1.257	-0.031	-0.0050	-0.0219	0.0165
775	-0.525	1.158	-0.000	-0.0025	-0.0241	0.0179
780	-0.372	1.055	0.005	-0.0001	-0.0263	0.0189
785	-0.000	0.765	0.000	-0.0017	-0.0307	0.0093
790	0.062	0.438	0.122	-0.0071	-0.0358	-0.0018
792	0.028	0.153	0.298	-0.0074	-0.0403	-0.0002
795	0.035	0.044	0.363	-0.0083	-0.0404	0.0009
797	0.040	-0.000	0.392	-0.0088	-0.0404	0.0014
798	0.113	-0.327	0.649	-0.0095	-0.0406	0.0022
799	0.179	-0.384	0.635	0.0060	-0.0365	-0.0077
800	0.309	-0.349	0.555	0.0160	-0.0271	-0.0128
808	0.367	-0.314	0.528	0.0160	-0.0268	-0.0133
809	0.437	-0.220	0.435	0.0111	-0.0117	-0.0128
810	0.390	-0.148	0.395	0.0077	0.0028	-0.0091
850	0.131	-0.009	0.451	0.0004	0.0002	-0.0010
860	0.108	-0.007	0.451	0.0004	0.0002	-0.0009
870	-0.020	0.152	0.146	-0.0065	-0.0410	0.0000
875	-0.065	0.151	-0.000	-0.0057	-0.0421	-0.0001
878	-0.177	0.153	-0.383	-0.0037	-0.0437	-0.0008
879	-0.319	0.175	-0.563	-0.0028	-0.0390	-0.0042
880	-0.486	0.177	-0.570	0.0062	-0.0203	-0.0024
888	-1.082	-0.363	0.251	0.0075	0.0011	-0.0128
889	-1.022	-0.406	0.291	0.0018	0.0131	-0.0122
890	-0.933	-0.475	0.243	0.0019	0.0163	-0.0167
899	-0.830	-0.546	0.167	0.0005	0.0171	-0.0236
900	-0.688	-0.534	0.126	-0.0040	0.0180	-0.0235
902	-0.000	-0.000	0.000	-0.0007	0.0130	-0.0004
905	-0.500	0.446	-0.000	-0.0026	0.0088	0.0227
908	-0.818	0.617	-0.058	-0.0056	0.0073	0.0234
909	-0.874	0.705	-0.121	-0.0126	0.0085	0.0085
910	-0.818	0.723	-0.173	-0.0114	0.0018	-0.0103
920	-0.672	0.593	-0.182	-0.0127	-0.0003	-0.0120
925	-0.000	0.001	-0.000	-0.0147	-0.0018	-0.0071
930	0.208	-0.080	0.002	-0.0154	0.0007	-0.0032
935	0.884	0.000	-0.000	-0.0133	-0.0009	0.0059
940	1.086	0.118	0.019	-0.0127	-0.0013	0.0084
950	1.134	0.150	0.024	-0.0127	-0.0013	0.0084
960	-0.463	1.054	0.048	0.0002	-0.0268	0.0235
968	-0.533	1.053	0.080	0.0003	-0.0264	0.0270
969	-0.638	1.069	0.115	-0.0019	-0.0254	0.0328
970	-0.792	1.108	0.121	-0.0038	-0.0301	0.0552

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-1.756	1.318	0.076	-0.0004	-0.0170	0.0560
979	-1.863	1.397	0.109	0.0072	-0.0153	0.0267
980	-1.846	1.438	0.142	0.0053	0.0000	-0.0061
985	-1.712	1.335	0.113	0.0116	0.0052	-0.0122
988	-1.527	1.124	-0.003	0.0202	0.0109	-0.0152
989	-1.465	1.051	-0.041	0.0245	0.0286	-0.0194
990	-1.340	0.940	-0.047	0.0369	0.0500	-0.0232
1000	-0.931	0.641	0.053	0.0387	0.0552	-0.0221
1010	-0.857	0.590	0.070	0.0388	0.0563	-0.0219
1012	-0.766	0.527	0.090	0.0388	0.0564	-0.0219
1016	-0.377	0.260	0.177	0.0388	0.0567	-0.0218
1020	-0.286	0.198	0.198	0.0388	0.0567	-0.0218
1029	-0.122	0.080	0.175	0.0278	0.0445	-0.0169
1030	-0.040	0.018	0.090	0.0221	0.0299	-0.0061
1035	-0.000	0.000	-0.000	0.0208	0.0303	-0.0053
1040	0.039	-0.015	-0.098	0.0194	0.0312	-0.0043
1045	0.085	-0.033	-0.170	0.0174	0.0320	-0.0029
1050	0.102	-0.037	-0.214	0.0173	0.0321	-0.0028
1070	0.219	-0.112	-0.079	-0.0183	0.0012	-0.0057
1080	1.053	0.161	-0.023	-0.0122	-0.0022	0.0105
1090	0.217	-0.037	-0.052	-0.0163	0.0001	-0.0028
1100	-0.575	1.306	-0.154	-0.0185	-0.0034	-0.0252
1110	-0.631	0.636	-0.227	-0.0135	-0.0002	-0.0120
1120	-0.051	0.295	-0.030	0.0002	-0.0130	-0.0017
1130	-0.032	0.290	-0.015	0.0024	-0.0087	-0.0059
1190	0.004	0.160	0.005	-0.0028	-0.0256	0.0021
1200	-0.000	0.176	-0.000	-0.0053	-0.0240	0.0058
1210	-0.013	0.192	-0.011	-0.0072	-0.0225	0.0089
1220	-0.027	0.212	-0.022	-0.0073	-0.0224	0.0089
1230	-0.012	-0.007	0.771	0.0003	-0.0005	-0.0005
1240	-0.013	-0.007	0.795	0.0003	-0.0005	-0.0005
1248	-0.039	-0.039	1.004	0.0034	-0.0011	-0.0063
1249	-0.039	-0.116	1.036	0.0193	0.0053	-0.0068
1250	-0.078	-0.222	0.941	0.0296	0.0047	-0.0153
1258	-0.273	-0.379	0.581	0.0294	0.0085	-0.0164
1259	-0.324	-0.471	0.438	0.0256	0.0098	-0.0151
1260	-0.290	-0.559	0.320	0.0273	0.0200	-0.0108
1268	-0.069	-0.742	-0.041	0.0232	0.0215	-0.0099
1269	0.005	-0.754	-0.112	0.0189	0.0272	-0.0044
1270	0.038	-0.700	-0.107	0.0067	0.0315	0.0014
1275	-0.000	-0.453	-0.000	0.0042	0.0312	0.0037
1280	-0.097	-0.100	0.120	0.0062	0.0309	0.0009
1285	-0.098	-0.077	0.132	0.0062	0.0309	0.0009
1290	-0.099	-0.054	0.143	0.0062	0.0308	0.0009
1300	-0.100	-0.049	0.146	0.0063	0.0308	0.0007
1310	-0.100	-0.044	0.148	0.0064	0.0308	0.0006
1315	-0.101	-0.021	0.160	0.0065	0.0308	0.0005
1320	-0.101	0.002	0.172	0.0065	0.0308	0.0005
1325	-0.010	0.318	0.405	0.0106	0.0305	-0.0056

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.054	0.446	0.517	0.0105	0.0304	-0.0056
1329	0.036	0.502	0.605	0.0016	0.0264	0.0056
1330	-0.042	0.468	0.704	-0.0035	0.0159	0.0179
1338	-0.093	0.393	0.771	-0.0045	0.0153	0.0182
1339	-0.116	0.281	0.818	-0.0015	0.0025	0.0164
1340	-0.094	0.196	0.823	-0.0010	-0.0009	0.0012
1350	-0.093	0.192	0.824	-0.0010	-0.0010	0.0011
1360	-0.091	0.168	0.825	-0.0010	-0.0011	0.0011
1373	0.136	-0.044	-0.299	0.0169	0.0320	-0.0026
1376	0.049	0.002	-0.334	0.0166	0.0319	-0.0023
1380	0.008	0.023	-0.350	0.0165	0.0317	-0.0021
1390	-0.045	0.049	-0.372	0.0132	0.0276	0.0015
1392	-0.084	0.067	-0.390	0.0131	0.0274	0.0016
1396	-0.237	0.140	-0.462	0.0127	0.0268	0.0020
1400	-0.274	0.157	-0.479	0.0126	0.0266	0.0020
1410	-0.395	0.207	-0.552	0.0045	0.0170	0.0098
1418	-0.437	0.214	-0.586	0.0006	0.0144	0.0135
1419	-0.433	0.177	-0.593	-0.0304	-0.0021	0.0226
1420	-0.370	0.123	-0.520	-0.0536	-0.0090	0.0380
1425	-0.000	0.000	-0.000	-0.0486	-0.0123	0.0347
1428	0.605	-0.353	0.912	-0.0257	-0.0218	0.0119
1429	0.606	-0.379	0.942	-0.0254	-0.0229	-0.0016
1430	0.577	-0.373	0.916	-0.0250	-0.0255	-0.0138
1435	-0.002	-0.000	-0.000	-0.0335	-0.0112	0.0149
1438	-0.074	-0.109	-0.059	-0.0346	-0.0093	0.0203
1439	-0.107	-0.159	-0.095	-0.0322	-0.0021	0.0177
1440	-0.135	-0.193	-0.151	-0.0237	-0.0007	0.0118
1448	-0.150	-0.209	-0.202	-0.0224	0.0004	0.0101
1449	-0.157	-0.209	-0.225	-0.0121	-0.0010	0.0061
1450	-0.160	-0.197	-0.234	-0.0005	-0.0015	-0.0005
1455	-0.000	0.075	0.000	0.0209	0.0092	-0.0124
1458	0.027	0.103	0.049	0.0215	0.0103	-0.0131
1459	0.050	0.137	0.071	0.0069	0.0099	-0.0186
1460	0.044	0.136	0.047	-0.0187	0.0122	-0.0198
1470	-0.367	-0.248	-0.504	0.0381	0.0051	-0.0492
1480	-0.376	-0.175	-0.526	0.0449	0.0052	-0.0503
1490	-0.385	-0.087	-0.549	0.0523	0.0056	-0.0516
1495	-0.304	-0.067	-0.461	0.0578	0.0056	-0.0523
1497	-0.210	-0.045	-0.346	0.0715	0.0056	-0.0542
1498	-0.655	1.571	-0.893	0.0690	0.0078	-0.0429
1499	-0.656	1.621	-0.907	0.0714	0.0050	-0.0417
1500	-0.000	0.001	-0.000	0.1019	0.0056	-0.0584
1504	-0.396	0.009	-0.572	0.0525	0.0060	-0.0515
1505	-0.646	1.610	-0.915	0.0726	0.0018	-0.0398
1506	-0.407	0.103	-0.594	0.0533	0.0069	-0.0512
1508	-0.170	0.039	-0.280	0.0877	-0.0335	-0.0505
1509	-0.137	-0.006	-0.213	0.0886	-0.0345	-0.0558
1510	-0.077	-0.016	-0.116	0.0898	-0.0349	-0.0596
1520	-0.000	-0.000	-0.000	0.0899	-0.0349	-0.0599

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.000	0.363	0.782	0.0006	0.0001	0.0008
2030	0.000	0.362	0.802	0.0007	0.0001	0.0010
2040	0.001	0.359	0.824	0.0029	-0.0002	0.0043
2050	0.000	0.354	0.843	0.0030	-0.0002	0.0044
2060	0.000	0.349	0.863	0.0031	-0.0003	0.0046
2068	-0.001	0.342	0.885	0.0052	-0.0019	0.0078
2069	-0.013	0.302	0.893	0.0262	-0.0171	0.0080
2070	-0.005	0.254	0.838	0.0386	-0.0206	0.0166
2078	0.026	0.231	0.769	0.0388	-0.0246	0.0178
2079	0.056	0.191	0.672	0.0409	-0.0314	0.0221
2080	0.049	0.141	0.564	0.0436	-0.0480	0.0193
2090	-0.097	-0.064	0.000	0.0300	-0.0414	0.0152
2100	-0.231	-0.192	-0.298	0.0176	-0.0113	0.0078
2108	-0.254	-0.206	-0.318	0.0187	-0.0113	0.0071
2109	-0.278	-0.200	-0.325	0.0199	-0.0124	-0.0050
2110	-0.264	-0.168	-0.295	0.0224	-0.0128	-0.0197
2120	-0.261	-0.167	-0.292	0.0224	-0.0129	-0.0198
2130	-0.230	-0.147	-0.257	0.0224	-0.0129	-0.0199
2140	-0.047	-0.031	-0.052	0.0217	-0.0132	-0.0195
2150	-0.017	-0.011	-0.018	0.0214	-0.0132	-0.0192
2160	-0.000	-0.000	-0.000	0.0170	-0.0137	-0.0149
2170	0.018	0.032	0.025	0.0045	-0.0151	-0.0041
2180	0.018	0.054	0.025	-0.0019	-0.0173	0.0013
2190	0.016	0.074	0.021	-0.0021	-0.0174	0.0015
2200	0.011	0.107	0.015	-0.0024	-0.0175	0.0017
2210	-0.053	0.116	0.061	-0.0024	-0.0178	0.0017
2220	-0.137	0.127	0.120	-0.0024	-0.0179	0.0017
2230	0.007	0.141	0.009	-0.0026	-0.0173	0.0019
2240	-0.239	-0.217	-0.277	0.0128	0.0008	0.0046
2250	-0.223	-0.231	-0.257	0.0030	0.0253	-0.0029
2260	-0.192	-0.235	-0.242	0.0028	0.0259	-0.0031
2270	-0.042	-0.247	-0.172	0.0020	0.0277	-0.0040
2280	-0.009	-0.250	-0.157	0.0019	0.0277	-0.0043
2290	0.024	-0.247	-0.143	-0.0071	0.0229	-0.0283
2300	0.050	-0.239	-0.129	-0.0072	0.0226	-0.0287
2310	0.090	-0.226	-0.105	-0.0073	0.0216	-0.0294
2320	0.065	-0.166	-0.063	-0.0073	0.0208	-0.0297
2330	0.036	0.020	0.043	0.0034	-0.0094	-0.0093
2338	0.150	-0.077	0.029	-0.0035	0.0068	0.0020
2339	0.152	-0.055	0.020	-0.0045	0.0074	0.0346
2340	0.112	-0.026	0.013	-0.0057	0.0074	0.0515
2345	0.000	0.001	0.000	-0.0052	0.0065	0.0429
2350	-0.000	0.181	0.000	0.0062	0.0008	-0.0231
2358	0.051	0.208	0.015	0.0070	-0.0001	-0.0229
2359	0.066	0.228	0.021	0.0038	-0.0019	-0.0169
2360	0.060	0.244	0.018	0.0008	-0.0075	-0.0067
2370	0.059	0.245	0.017	0.0007	-0.0076	-0.0065
2380	0.043	0.253	0.008	0.0007	-0.0076	-0.0064
2390	0.013	0.268	-0.010	0.0006	-0.0078	-0.0062

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	-0.025	0.265	0.045	0.0006	-0.0093	-0.0062
2410	-0.140	0.259	0.189	0.0006	-0.0103	-0.0062
2420	-0.017	0.282	-0.027	0.0005	-0.0072	-0.0060
2430	0.050	-0.131	-0.039	-0.0073	0.0204	-0.0298
2440	0.022	-0.079	-0.019	-0.0078	0.0122	-0.0318
2445	-0.000	-0.023	-0.000	-0.0079	0.0102	-0.0320
2449	-0.113	0.242	0.041	-0.0115	-0.0009	-0.0237
2450	-0.115	0.232	0.015	-0.0174	-0.0086	-0.0200
2451	-0.088	0.198	0.047	-0.0085	0.0051	-0.0312
2460	-0.114	0.230	0.013	-0.0175	-0.0086	-0.0199
2470	-0.102	0.207	-0.003	-0.0175	-0.0087	-0.0199
2480	-0.052	0.107	-0.075	-0.0176	-0.0089	-0.0197
2490	-0.041	0.084	-0.092	-0.0177	-0.0089	-0.0197
2500	-0.000	-0.000	-0.147	-0.0212	-0.0079	-0.0171
2510	0.044	-0.192	-0.249	-0.0248	-0.0040	-0.0122
2518	0.060	-0.305	-0.307	-0.0234	-0.0033	-0.0094
2519	0.070	-0.326	-0.341	-0.0082	-0.0006	-0.0067
2520	0.076	-0.304	-0.349	0.0093	0.0016	0.0003
2530	-0.000	0.062	-0.000	0.0052	-0.0012	0.0040
2538	-0.044	0.463	-0.238	-0.0142	-0.0044	-0.0039
2539	-0.021	0.480	-0.265	-0.0177	-0.0037	-0.0106
2540	0.013	0.464	-0.273	-0.0185	-0.0041	-0.0150
2550	0.100	0.359	-0.244	-0.0202	-0.0047	-0.0145
2560	0.129	0.326	-0.233	-0.0207	-0.0049	-0.0138
2570	0.090	0.490	-0.131	-0.0199	-0.0050	-0.0117
2578	0.066	0.580	-0.073	-0.0191	-0.0054	-0.0104
2579	0.036	0.607	-0.022	-0.0096	-0.0072	-0.0098
2580	0.005	0.578	0.002	0.0028	-0.0068	-0.0059
2590	-0.000	0.567	-0.000	0.0031	-0.0070	-0.0058
2600	-0.017	0.536	-0.011	0.0033	-0.0075	-0.0047
2610	-0.025	0.514	-0.017	0.0032	-0.0075	-0.0046
2620	-0.075	0.349	-0.053	0.0022	-0.0077	-0.0029
2630	-0.080	0.327	-0.057	0.0020	-0.0077	-0.0027
2640	-0.079	0.296	-0.057	-0.0013	-0.0083	0.0017
2648	0.141	0.274	-0.265	-0.0210	-0.0049	-0.0141
2649	0.169	0.195	-0.295	-0.0226	-0.0040	-0.0151
2650	0.209	0.125	-0.301	-0.0227	-0.0023	-0.0156
2658	0.243	0.081	-0.295	-0.0225	-0.0022	-0.0155
2659	0.264	0.027	-0.267	-0.0214	-0.0002	-0.0107
2660	0.257	-0.020	-0.211	-0.0188	0.0008	-0.0056
2690	-0.066	0.264	-0.048	-0.0038	-0.0095	0.0054
2700	-0.044	0.234	-0.032	-0.0065	-0.0120	0.0090
2710	-0.030	0.215	-0.022	-0.0066	-0.0121	0.0091
3120	-0.052	0.295	-0.044	-0.0006	-0.0060	-0.0016
3130	-0.033	0.290	-0.036	0.0005	-0.0070	-0.0058
3190	0.004	0.160	0.005	-0.0027	-0.0171	0.0021
3200	-0.000	0.176	-0.000	-0.0049	-0.0147	0.0058
3210	-0.013	0.192	-0.010	-0.0066	-0.0123	0.0090
3220	-0.028	0.212	-0.020	-0.0066	-0.0122	0.0091

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.000	0.363	0.782	0.0006	0.0001	0.0008
4030	0.001	0.362	0.802	0.0007	0.0001	0.0010
4040	0.001	0.359	0.824	0.0028	-0.0001	0.0043
4050	0.001	0.354	0.843	0.0029	-0.0001	0.0045
4060	0.001	0.350	0.863	0.0030	-0.0001	0.0046
4068	0.000	0.343	0.885	0.0050	-0.0018	0.0080
4069	-0.012	0.303	0.893	0.0260	-0.0170	0.0082
4070	-0.003	0.255	0.839	0.0384	-0.0205	0.0169
4078	0.028	0.233	0.770	0.0386	-0.0245	0.0180
4079	0.058	0.192	0.674	0.0406	-0.0314	0.0221
4080	0.052	0.143	0.565	0.0433	-0.0482	0.0189
4090	-0.095	-0.058	0.000	0.0294	-0.0414	0.0151
4100	-0.228	-0.188	-0.299	0.0167	-0.0120	0.0085
4108	-0.251	-0.204	-0.321	0.0184	-0.0124	0.0079
4109	-0.276	-0.199	-0.334	0.0193	-0.0170	-0.0043
4110	-0.262	-0.168	-0.307	0.0233	-0.0183	-0.0196
4120	-0.260	-0.167	-0.304	0.0233	-0.0184	-0.0197
4130	-0.229	-0.147	-0.268	0.0233	-0.0185	-0.0198
4140	-0.047	-0.031	-0.054	0.0226	-0.0189	-0.0194
4150	-0.017	-0.011	-0.019	0.0223	-0.0190	-0.0191
4160	-0.000	-0.000	-0.000	0.0177	-0.0198	-0.0148
4170	0.017	0.032	0.026	0.0047	-0.0224	-0.0040
4180	0.018	0.054	0.026	-0.0020	-0.0258	0.0013
4190	0.016	0.074	0.023	-0.0022	-0.0259	0.0015
4200	0.011	0.107	0.016	-0.0025	-0.0262	0.0017
4210	-0.085	0.116	0.062	-0.0025	-0.0265	0.0017
4220	-0.209	0.128	0.121	-0.0025	-0.0265	0.0017
4230	0.007	0.141	0.009	-0.0027	-0.0260	0.0019
4240	-0.237	-0.211	-0.278	0.0110	0.0003	0.0056
4250	-0.222	-0.221	-0.258	-0.0005	0.0251	-0.0013
4260	-0.191	-0.221	-0.243	-0.0008	0.0258	-0.0015
4270	-0.042	-0.213	-0.173	-0.0017	0.0275	-0.0024
4280	-0.009	-0.211	-0.158	-0.0018	0.0276	-0.0026
4290	0.023	-0.205	-0.144	-0.0100	0.0230	-0.0247
4300	0.049	-0.193	-0.130	-0.0101	0.0227	-0.0251
4310	0.091	-0.175	-0.107	-0.0101	0.0217	-0.0257
4320	0.065	-0.122	-0.064	-0.0101	0.0209	-0.0259
4330	0.036	0.021	0.054	0.0032	-0.0146	-0.0093
4338	0.150	-0.077	0.047	-0.0063	0.0086	0.0020
4339	0.152	-0.055	0.035	-0.0080	0.0105	0.0345
4340	0.112	-0.026	0.022	-0.0099	0.0108	0.0515
4345	0.000	0.001	0.000	-0.0093	0.0101	0.0429
4350	-0.000	0.180	0.000	0.0132	0.0056	-0.0232
4358	0.052	0.208	0.034	0.0153	0.0049	-0.0232
4359	0.067	0.227	0.048	0.0093	0.0019	-0.0171
4360	0.060	0.244	0.049	0.0033	-0.0084	-0.0067
4370	0.059	0.244	0.048	0.0031	-0.0086	-0.0066
4380	0.043	0.253	0.038	0.0030	-0.0087	-0.0065
4390	0.014	0.268	0.017	0.0028	-0.0090	-0.0063

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	-0.029	0.256	0.072	0.0028	-0.0106	-0.0063
4410	-0.159	0.223	0.217	0.0028	-0.0115	-0.0063
4420	-0.016	0.282	-0.003	0.0026	-0.0088	-0.0060
4430	0.050	-0.092	-0.040	-0.0100	0.0205	-0.0260
4440	0.022	-0.048	-0.020	-0.0096	0.0125	-0.0271
4445	-0.000	-0.001	-0.000	-0.0095	0.0106	-0.0270
4449	-0.113	0.213	0.046	-0.0118	-0.0006	-0.0175
4450	-0.115	0.200	0.020	-0.0152	-0.0087	-0.0145
4451	-0.088	0.181	0.051	-0.0092	0.0057	-0.0252
4460	-0.114	0.198	0.018	-0.0153	-0.0087	-0.0144
4470	-0.102	0.177	0.001	-0.0153	-0.0088	-0.0144
4480	-0.052	0.091	-0.070	-0.0153	-0.0090	-0.0142
4490	-0.040	0.070	-0.087	-0.0153	-0.0090	-0.0142
4500	-0.000	-0.000	-0.142	-0.0172	-0.0074	-0.0115
4510	0.036	-0.148	-0.244	-0.0184	-0.0029	-0.0065
4518	0.047	-0.230	-0.302	-0.0167	-0.0026	-0.0037
4519	0.055	-0.240	-0.331	-0.0027	-0.0025	-0.0020
4520	0.055	-0.214	-0.331	0.0122	-0.0015	0.0034
4530	-0.000	0.153	-0.000	-0.0005	-0.0112	-0.0036
4538	0.391	0.551	-0.533	-0.0229	-0.0219	-0.0178
4539	0.435	0.561	-0.556	-0.0195	-0.0243	-0.0173
4540	0.472	0.540	-0.519	-0.0167	-0.0309	-0.0142
4550	0.562	0.447	-0.300	-0.0154	-0.0337	-0.0122
4560	0.591	0.420	-0.222	-0.0149	-0.0348	-0.0112
4570	0.309	0.535	-0.121	-0.0138	-0.0349	-0.0117
4578	0.151	0.597	-0.063	-0.0131	-0.0342	-0.0119
4579	0.054	0.610	-0.017	-0.0062	-0.0259	-0.0092
4580	0.005	0.578	0.003	0.0033	-0.0229	-0.0056
4590	-0.000	0.567	-0.000	0.0036	-0.0225	-0.0056
4600	-0.017	0.537	-0.012	0.0036	-0.0216	-0.0046
4610	-0.025	0.514	-0.019	0.0035	-0.0216	-0.0045
4620	-0.074	0.349	-0.058	0.0024	-0.0213	-0.0029
4630	-0.079	0.327	-0.062	0.0022	-0.0213	-0.0027
4640	-0.078	0.296	-0.062	-0.0013	-0.0203	0.0017
4648	0.679	0.382	-0.254	-0.0152	-0.0347	-0.0106
4649	0.781	0.326	-0.255	-0.0153	-0.0261	-0.0094
4650	0.843	0.291	-0.215	-0.0134	-0.0138	-0.0027
4658	0.878	0.284	-0.179	-0.0135	-0.0131	-0.0021
4659	0.920	0.277	-0.141	-0.0112	-0.0055	0.0077
4660	0.966	0.252	-0.106	-0.0114	-0.0041	0.0123
4690	-0.065	0.265	-0.052	-0.0042	-0.0211	0.0053
4700	-0.044	0.234	-0.036	-0.0072	-0.0227	0.0089
4710	-0.030	0.215	-0.024	-0.0073	-0.0228	0.0090
5120	-0.051	0.295	-0.029	0.0003	-0.0133	-0.0017
5130	-0.032	0.290	-0.014	0.0025	-0.0088	-0.0059
5190	0.004	0.160	0.005	-0.0028	-0.0259	0.0021
5200	-0.000	0.176	-0.000	-0.0053	-0.0244	0.0058
5210	-0.013	0.192	-0.011	-0.0073	-0.0229	0.0089
5220	-0.027	0.212	-0.022	-0.0073	-0.0228	0.0090

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.000	0.363	0.782	0.0006	0.0001	0.0008
6030	0.000	0.362	0.802	0.0007	0.0001	0.0010
6040	0.001	0.359	0.824	0.0029	-0.0002	0.0043
6050	0.000	0.354	0.843	0.0030	-0.0002	0.0044
6060	0.000	0.349	0.863	0.0031	-0.0003	0.0046
6068	-0.001	0.342	0.885	0.0052	-0.0020	0.0078
6069	-0.013	0.302	0.893	0.0261	-0.0173	0.0080
6070	-0.006	0.254	0.839	0.0384	-0.0208	0.0166
6078	0.025	0.232	0.770	0.0385	-0.0248	0.0177
6079	0.055	0.191	0.674	0.0404	-0.0315	0.0221
6080	0.048	0.141	0.565	0.0431	-0.0482	0.0193
6090	-0.098	-0.063	0.000	0.0292	-0.0415	0.0152
6100	-0.232	-0.191	-0.298	0.0165	-0.0112	0.0079
6108	-0.255	-0.206	-0.318	0.0177	-0.0112	0.0072
6109	-0.279	-0.200	-0.325	0.0192	-0.0121	-0.0049
6110	-0.264	-0.168	-0.295	0.0224	-0.0123	-0.0198
6120	-0.262	-0.167	-0.292	0.0224	-0.0124	-0.0199
6130	-0.231	-0.147	-0.257	0.0224	-0.0125	-0.0199
6140	-0.047	-0.031	-0.052	0.0217	-0.0127	-0.0196
6150	-0.017	-0.011	-0.018	0.0214	-0.0127	-0.0193
6160	-0.000	-0.000	-0.000	0.0170	-0.0132	-0.0149
6170	0.018	0.032	0.025	0.0045	-0.0146	-0.0041
6180	0.018	0.054	0.025	-0.0019	-0.0168	0.0013
6190	0.016	0.074	0.021	-0.0021	-0.0169	0.0015
6200	0.011	0.107	0.015	-0.0024	-0.0171	0.0017
6210	-0.052	0.116	0.061	-0.0024	-0.0173	0.0017
6220	-0.133	0.127	0.120	-0.0024	-0.0174	0.0017
6230	0.007	0.141	0.009	-0.0026	-0.0168	0.0019
6240	-0.239	-0.215	-0.276	0.0115	0.0009	0.0047
6250	-0.223	-0.226	-0.257	0.0013	0.0254	-0.0027
6260	-0.192	-0.228	-0.242	0.0010	0.0260	-0.0029
6270	-0.042	-0.230	-0.172	0.0002	0.0277	-0.0039
6280	-0.009	-0.231	-0.157	0.0001	0.0278	-0.0041
6290	0.024	-0.226	-0.143	-0.0090	0.0229	-0.0279
6300	0.050	-0.216	-0.128	-0.0091	0.0226	-0.0283
6310	0.090	-0.199	-0.105	-0.0092	0.0216	-0.0289
6320	0.065	-0.140	-0.062	-0.0092	0.0208	-0.0292
6330	0.036	0.020	0.043	0.0034	-0.0091	-0.0093
6338	0.150	-0.077	0.028	-0.0033	0.0067	0.0020
6339	0.152	-0.055	0.020	-0.0043	0.0072	0.0346
6340	0.112	-0.026	0.012	-0.0055	0.0072	0.0516
6345	0.000	0.001	0.000	-0.0050	0.0063	0.0429
6350	-0.000	0.181	0.000	0.0059	0.0005	-0.0232
6358	0.052	0.208	0.015	0.0066	-0.0004	-0.0231
6359	0.066	0.228	0.020	0.0035	-0.0021	-0.0170
6360	0.060	0.244	0.016	0.0006	-0.0075	-0.0066
6370	0.059	0.245	0.016	0.0006	-0.0076	-0.0065
6380	0.043	0.253	0.006	0.0005	-0.0076	-0.0064
6390	0.013	0.268	-0.012	0.0004	-0.0078	-0.0062

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	-0.024	0.266	0.043	0.0004	-0.0093	-0.0062
6410	-0.140	0.261	0.188	0.0004	-0.0103	-0.0062
6420	-0.016	0.282	-0.029	0.0004	-0.0072	-0.0060
6430	0.050	-0.106	-0.038	-0.0092	0.0204	-0.0293
6440	0.022	-0.055	-0.019	-0.0095	0.0122	-0.0311
6445	-0.000	-0.000	-0.000	-0.0097	0.0101	-0.0313
6449	-0.113	0.256	0.041	-0.0130	-0.0008	-0.0230
6450	-0.115	0.243	0.015	-0.0184	-0.0086	-0.0195
6451	-0.088	0.215	0.048	-0.0101	0.0051	-0.0303
6460	-0.114	0.241	0.014	-0.0184	-0.0086	-0.0195
6470	-0.102	0.216	-0.003	-0.0184	-0.0087	-0.0194
6480	-0.052	0.112	-0.075	-0.0185	-0.0089	-0.0193
6490	-0.041	0.087	-0.092	-0.0186	-0.0089	-0.0192
6500	-0.000	-0.000	-0.147	-0.0217	-0.0079	-0.0167
6510	0.044	-0.193	-0.248	-0.0247	-0.0040	-0.0120
6518	0.061	-0.305	-0.307	-0.0232	-0.0034	-0.0093
6519	0.071	-0.326	-0.341	-0.0080	-0.0005	-0.0066
6520	0.076	-0.304	-0.349	0.0093	0.0017	0.0002
6530	-0.000	0.063	-0.000	0.0054	-0.0005	0.0043
6538	-0.072	0.464	-0.219	-0.0132	-0.0031	-0.0024
6539	-0.051	0.483	-0.245	-0.0162	-0.0025	-0.0084
6540	-0.020	0.472	-0.254	-0.0169	-0.0029	-0.0120
6550	0.067	0.388	-0.233	-0.0183	-0.0034	-0.0115
6560	0.096	0.362	-0.225	-0.0188	-0.0035	-0.0108
6570	0.070	0.509	-0.124	-0.0177	-0.0033	-0.0090
6578	0.054	0.588	-0.066	-0.0169	-0.0036	-0.0080
6579	0.031	0.609	-0.018	-0.0075	-0.0060	-0.0079
6580	0.005	0.578	0.003	0.0031	-0.0062	-0.0057
6590	-0.000	0.567	-0.000	0.0034	-0.0064	-0.0056
6600	-0.017	0.536	-0.011	0.0033	-0.0070	-0.0046
6610	-0.025	0.514	-0.017	0.0033	-0.0070	-0.0045
6620	-0.075	0.349	-0.054	0.0022	-0.0072	-0.0029
6630	-0.079	0.327	-0.058	0.0020	-0.0072	-0.0027
6640	-0.078	0.296	-0.057	-0.0013	-0.0078	0.0017
6648	0.105	0.314	-0.257	-0.0191	-0.0037	-0.0110
6649	0.134	0.243	-0.287	-0.0218	-0.0059	-0.0122
6650	0.177	0.180	-0.284	-0.0222	-0.0061	-0.0128
6658	0.211	0.145	-0.268	-0.0222	-0.0060	-0.0126
6659	0.236	0.099	-0.230	-0.0209	-0.0029	-0.0080
6660	0.236	0.055	-0.173	-0.0174	-0.0011	-0.0029
6690	-0.066	0.265	-0.048	-0.0039	-0.0091	0.0054
6700	-0.044	0.234	-0.033	-0.0066	-0.0115	0.0089
6710	-0.030	0.215	-0.022	-0.0067	-0.0117	0.0090
7120	-0.052	0.295	-0.045	-0.0006	-0.0057	-0.0016
7130	-0.032	0.290	-0.038	0.0003	-0.0070	-0.0058
7190	0.004	0.160	0.005	-0.0027	-0.0167	0.0021
7200	-0.000	0.176	-0.000	-0.0049	-0.0143	0.0058
7210	-0.013	0.192	-0.010	-0.0067	-0.0118	0.0089
7220	-0.028	0.212	-0.021	-0.0067	-0.0117	0.0090

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
7500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
7510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
7520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
7535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
7540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
7550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
7560	0.000	0.364	0.763	0.0005	0.0001	0.0007
7570	0.000	0.363	0.782	0.0006	0.0001	0.0008
8020	0.000	0.363	0.782	0.0006	0.0001	0.0008
8030	0.000	0.362	0.802	0.0007	0.0001	0.0010
8040	0.001	0.359	0.824	0.0029	-0.0003	0.0042
8050	0.000	0.354	0.843	0.0030	-0.0003	0.0044
8060	-0.000	0.349	0.863	0.0030	-0.0003	0.0045
8068	-0.001	0.342	0.885	0.0050	-0.0021	0.0078
8069	-0.014	0.304	0.893	0.0254	-0.0176	0.0079
8070	-0.008	0.256	0.841	0.0372	-0.0212	0.0163
8078	0.023	0.234	0.774	0.0373	-0.0252	0.0175
8079	0.052	0.193	0.680	0.0389	-0.0319	0.0219
8080	0.046	0.143	0.572	0.0415	-0.0487	0.0192
8090	-0.101	-0.061	0.000	0.0273	-0.0422	0.0152
8100	-0.234	-0.190	-0.303	0.0143	-0.0110	0.0082
8108	-0.257	-0.205	-0.322	0.0155	-0.0106	0.0075
8109	-0.281	-0.200	-0.326	0.0180	-0.0078	-0.0049
8110	-0.267	-0.168	-0.293	0.0222	-0.0068	-0.0200
8120	-0.264	-0.167	-0.290	0.0223	-0.0068	-0.0201
8130	-0.233	-0.147	-0.255	0.0223	-0.0068	-0.0201
8140	-0.048	-0.031	-0.052	0.0216	-0.0069	-0.0197
8150	-0.017	-0.011	-0.018	0.0213	-0.0070	-0.0194
8160	-0.000	-0.000	-0.000	0.0169	-0.0072	-0.0151
8170	0.018	0.032	0.025	0.0045	-0.0078	-0.0041
8180	0.018	0.054	0.025	-0.0019	-0.0090	0.0013
8190	0.016	0.074	0.021	-0.0021	-0.0090	0.0015
8200	0.011	0.107	0.015	-0.0024	-0.0091	0.0017
8210	-0.023	0.116	0.061	-0.0024	-0.0094	0.0017
8220	-0.067	0.127	0.120	-0.0024	-0.0095	0.0017
8230	0.007	0.141	0.009	-0.0026	-0.0088	0.0019
8240	-0.241	-0.210	-0.282	0.0093	0.0010	0.0053
8250	-0.225	-0.218	-0.262	-0.0007	0.0255	-0.0016
8260	-0.194	-0.217	-0.247	-0.0009	0.0261	-0.0018
8270	-0.044	-0.210	-0.177	-0.0017	0.0278	-0.0027
8280	-0.011	-0.208	-0.162	-0.0018	0.0279	-0.0028
8290	0.022	-0.202	-0.148	-0.0082	0.0234	-0.0249
8300	0.049	-0.193	-0.134	-0.0083	0.0231	-0.0253
8310	0.091	-0.177	-0.111	-0.0083	0.0221	-0.0259
8320	0.065	-0.125	-0.067	-0.0082	0.0214	-0.0261
8330	0.037	0.021	0.034	0.0038	-0.0042	-0.0093
8338	0.150	-0.077	0.011	-0.0007	0.0050	0.0020

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.152	-0.055	0.006	-0.0011	0.0045	0.0346
8340	0.112	-0.026	0.003	-0.0015	0.0040	0.0516
8345	0.000	0.001	0.000	-0.0013	0.0030	0.0430
8350	-0.000	0.181	-0.000	-0.0006	-0.0040	-0.0238
8358	0.053	0.209	-0.002	-0.0011	-0.0051	-0.0239
8359	0.069	0.228	-0.006	-0.0016	-0.0059	-0.0175
8360	0.062	0.245	-0.013	-0.0018	-0.0070	-0.0066
8370	0.062	0.246	-0.013	-0.0018	-0.0070	-0.0065
8380	0.046	0.254	-0.022	-0.0017	-0.0070	-0.0064
8390	0.016	0.269	-0.039	-0.0017	-0.0071	-0.0062
8400	-0.019	0.276	0.016	-0.0017	-0.0086	-0.0062
8410	-0.125	0.296	0.161	-0.0017	-0.0095	-0.0062
8420	-0.014	0.283	-0.054	-0.0017	-0.0062	-0.0059
8430	0.051	-0.094	-0.042	-0.0082	0.0210	-0.0262
8440	0.022	-0.049	-0.021	-0.0076	0.0133	-0.0275
8445	-0.000	-0.000	-0.000	-0.0074	0.0115	-0.0276
8449	-0.072	0.138	0.034	-0.0084	0.0019	-0.0229
8450	-0.079	0.137	0.010	-0.0104	-0.0057	-0.0211
8451	-0.045	0.097	0.034	-0.0071	0.0090	-0.0271
8460	-0.079	0.136	0.008	-0.0104	-0.0058	-0.0210
8470	-0.071	0.122	-0.009	-0.0104	-0.0058	-0.0210
8480	-0.037	0.063	-0.081	-0.0104	-0.0060	-0.0209
8490	-0.029	0.049	-0.098	-0.0105	-0.0061	-0.0208
8500	-0.000	-0.000	-0.153	-0.0124	-0.0056	-0.0191
8510	0.029	-0.111	-0.254	-0.0142	-0.0020	-0.0159
8518	0.035	-0.175	-0.313	-0.0131	-0.0007	-0.0141
8519	0.040	-0.181	-0.341	-0.0026	0.0059	-0.0107
8520	0.047	-0.157	-0.344	0.0095	0.0092	-0.0038
8530	-0.000	0.211	-0.000	0.0080	0.0179	0.0101
8538	-0.544	0.616	0.062	0.0018	0.0274	0.0175
8539	-0.565	0.652	0.047	0.0045	0.0274	0.0143
8540	-0.552	0.685	-0.004	0.0046	0.0300	0.0113
8550	-0.510	0.724	-0.110	0.0056	0.0307	0.0109
8560	-0.481	0.749	-0.180	0.0063	0.0312	0.0107
8570	-0.228	0.693	-0.079	0.0074	0.0314	0.0111
8578	-0.085	0.658	-0.021	0.0076	0.0302	0.0114
8579	-0.010	0.622	0.006	0.0071	0.0147	0.0057
8580	0.004	0.579	0.004	0.0043	0.0078	-0.0046
8590	-0.000	0.568	-0.000	0.0042	0.0072	-0.0048
8600	-0.016	0.537	-0.012	0.0034	0.0054	-0.0044
8610	-0.024	0.515	-0.018	0.0033	0.0053	-0.0043
8620	-0.072	0.350	-0.054	0.0021	0.0047	-0.0028
8630	-0.077	0.327	-0.058	0.0019	0.0046	-0.0026
8640	-0.076	0.296	-0.057	-0.0014	0.0028	0.0016
8648	-0.560	0.764	-0.212	0.0059	0.0307	0.0105
8649	-0.618	0.782	-0.275	-0.0014	0.0199	0.0075
8650	-0.601	0.790	-0.329	-0.0048	0.0089	0.0015
8658	-0.567	0.794	-0.352	-0.0055	0.0084	0.0011
8659	-0.535	0.773	-0.358	-0.0088	0.0022	-0.0056

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.546	0.728	-0.327	-0.0139	0.0000	-0.0116
8690	-0.064	0.265	-0.048	-0.0039	0.0012	0.0052
8700	-0.043	0.235	-0.032	-0.0065	-0.0020	0.0087
8710	-0.029	0.215	-0.022	-0.0066	-0.0022	0.0087
9120	-0.049	0.296	-0.062	-0.0015	0.0006	-0.0017
9130	-0.030	0.290	-0.061	-0.0017	-0.0058	-0.0058
9190	0.004	0.161	0.005	-0.0027	-0.0086	0.0021
9200	-0.000	0.176	-0.000	-0.0049	-0.0055	0.0057
9210	-0.013	0.192	-0.010	-0.0066	-0.0024	0.0087
9220	-0.027	0.212	-0.020	-0.0066	-0.0022	0.0087
9490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
9500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
9510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
9520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
9535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
9540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
9550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
9560	0.000	0.364	0.763	0.0005	0.0001	0.0007
9570	0.000	0.363	0.782	0.0006	0.0001	0.0008
10020	0.000	0.363	0.782	0.0006	0.0001	0.0009
10030	0.001	0.362	0.802	0.0006	0.0002	0.0010
10040	0.001	0.359	0.824	0.0028	0.0000	0.0044
10050	0.002	0.355	0.843	0.0029	-0.0000	0.0046
10060	0.002	0.350	0.863	0.0030	-0.0001	0.0047
10068	0.001	0.343	0.885	0.0050	-0.0018	0.0082
10069	-0.011	0.303	0.893	0.0268	-0.0175	0.0083
10070	-0.003	0.254	0.836	0.0394	-0.0213	0.0170
10078	0.029	0.232	0.766	0.0395	-0.0254	0.0181
10079	0.059	0.191	0.668	0.0403	-0.0320	0.0218
10080	0.052	0.143	0.559	0.0424	-0.0483	0.0182
10090	-0.094	-0.051	0.000	0.0263	-0.0395	0.0149
10100	-0.228	-0.185	-0.266	0.0117	-0.0088	0.0095
10108	-0.251	-0.202	-0.282	0.0130	-0.0089	0.0088
10109	-0.276	-0.199	-0.289	0.0148	-0.0094	-0.0039
10110	-0.263	-0.168	-0.263	0.0199	-0.0088	-0.0197
10120	-0.260	-0.167	-0.260	0.0199	-0.0089	-0.0198
10130	-0.230	-0.147	-0.229	0.0199	-0.0089	-0.0198
10140	-0.047	-0.031	-0.047	0.0194	-0.0091	-0.0195
10150	-0.017	-0.011	-0.016	0.0191	-0.0092	-0.0191
10160	-0.000	-0.000	-0.000	0.0152	-0.0095	-0.0148
10170	0.017	0.032	0.022	0.0041	-0.0107	-0.0040
10180	0.018	0.054	0.022	-0.0017	-0.0125	0.0013
10190	0.015	0.074	0.020	-0.0019	-0.0125	0.0015
10200	0.011	0.108	0.014	-0.0021	-0.0127	0.0017
10210	-0.036	0.115	0.060	-0.0021	-0.0130	0.0017
10220	-0.097	0.125	0.119	-0.0021	-0.0130	0.0017
10230	0.007	0.141	0.008	-0.0023	-0.0124	0.0019
10240	-0.232	-0.200	-0.245	0.0061	0.0026	0.0073

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.214	-0.202	-0.225	-0.0051	0.0256	0.0021
10260	-0.183	-0.196	-0.210	-0.0054	0.0261	0.0020
10270	-0.033	-0.163	-0.140	-0.0063	0.0277	0.0013
10280	0.000	-0.155	-0.125	-0.0064	0.0278	0.0012
10290	0.031	-0.144	-0.111	-0.0132	0.0195	-0.0153
10300	0.054	-0.129	-0.097	-0.0133	0.0192	-0.0156
10310	0.088	-0.105	-0.073	-0.0132	0.0181	-0.0160
10320	0.062	-0.072	-0.038	-0.0131	0.0172	-0.0162
10330	0.036	0.021	0.035	0.0032	-0.0063	-0.0093
10338	0.150	-0.077	0.018	-0.0020	0.0054	0.0020
10339	0.152	-0.055	0.012	-0.0026	0.0053	0.0344
10340	0.112	-0.026	0.007	-0.0033	0.0050	0.0515
10345	0.000	0.001	0.000	-0.0029	0.0041	0.0430
10350	0.000	0.181	0.000	0.0022	-0.0023	-0.0244
10358	0.055	0.209	0.005	0.0022	-0.0033	-0.0246
10359	0.071	0.229	0.005	0.0005	-0.0045	-0.0180
10360	0.065	0.246	-0.001	-0.0009	-0.0076	-0.0066
10370	0.064	0.246	-0.001	-0.0009	-0.0076	-0.0065
10380	0.048	0.254	-0.011	-0.0009	-0.0077	-0.0064
10390	0.018	0.269	-0.029	-0.0009	-0.0077	-0.0062
10400	-0.019	0.273	0.026	-0.0009	-0.0093	-0.0062
10410	-0.134	0.284	0.171	-0.0009	-0.0102	-0.0062
10420	-0.011	0.283	-0.046	-0.0010	-0.0070	-0.0059
10430	0.048	-0.053	-0.018	-0.0131	0.0167	-0.0162
10440	0.022	-0.029	-0.008	-0.0121	0.0058	-0.0163
10445	-0.000	-0.001	-0.000	-0.0119	0.0027	-0.0159
10449	-0.131	0.143	-0.056	-0.0115	-0.0077	-0.0107
10450	-0.126	0.130	-0.086	-0.0104	-0.0095	-0.0103
10451	-0.113	0.130	-0.032	-0.0109	-0.0064	-0.0137
10460	-0.125	0.129	-0.088	-0.0104	-0.0095	-0.0103
10470	-0.112	0.115	-0.105	-0.0104	-0.0096	-0.0102
10480	-0.058	0.056	-0.177	-0.0103	-0.0097	-0.0102
10490	-0.045	0.043	-0.194	-0.0103	-0.0098	-0.0102
10500	-0.000	-0.000	-0.249	-0.0092	-0.0091	-0.0092
10510	0.057	-0.063	-0.350	-0.0063	-0.0055	-0.0075
10518	0.079	-0.088	-0.408	-0.0043	-0.0041	-0.0065
10519	0.085	-0.076	-0.430	0.0067	0.0019	-0.0038
10520	0.085	-0.044	-0.417	0.0169	0.0045	0.0007
10525	-0.000	0.274	-0.000	0.0105	0.0127	0.0082
10530	-0.039	0.325	0.033	0.0067	0.0140	0.0106
10538	-0.508	0.731	0.136	0.0078	0.0245	0.0171
10539	-0.536	0.772	0.144	0.0187	0.0220	0.0232
10540	-0.533	0.832	0.119	0.0216	0.0218	0.0284
10550	-0.423	1.085	-0.081	0.0295	0.0231	0.0277
10560	-0.394	1.148	-0.134	0.0315	0.0234	0.0268
10570	-0.202	0.884	-0.033	0.0333	0.0240	0.0239
10578	-0.092	0.731	0.025	0.0330	0.0234	0.0222
10579	-0.020	0.636	0.030	0.0222	0.0097	0.0151
10580	0.003	0.580	0.005	0.0057	0.0011	-0.0036

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.568	-0.000	0.0054	0.0007	-0.0040
10600	-0.015	0.538	-0.014	0.0037	-0.0005	-0.0042
10610	-0.022	0.515	-0.021	0.0036	-0.0006	-0.0042
10620	-0.069	0.350	-0.059	0.0022	-0.0010	-0.0028
10630	-0.074	0.328	-0.063	0.0020	-0.0010	-0.0026
10640	-0.073	0.297	-0.062	-0.0016	-0.0023	0.0015
10648	-0.452	1.227	-0.165	0.0308	0.0229	0.0273
10649	-0.490	1.322	-0.221	0.0161	0.0141	0.0227
10650	-0.468	1.390	-0.264	0.0099	0.0073	0.0152
10658	-0.434	1.432	-0.283	0.0077	0.0072	0.0147
10659	-0.392	1.441	-0.302	0.0015	0.0008	-0.0006
10660	-0.409	1.397	-0.280	-0.0162	-0.0046	-0.0215
10690	-0.062	0.265	-0.052	-0.0043	-0.0037	0.0050
10700	-0.041	0.235	-0.035	-0.0071	-0.0065	0.0084
10710	-0.028	0.215	-0.024	-0.0071	-0.0066	0.0085
11120	-0.046	0.296	-0.059	-0.0013	-0.0026	-0.0017
11130	-0.027	0.291	-0.054	-0.0010	-0.0067	-0.0058
11190	0.004	0.161	0.004	-0.0025	-0.0122	0.0020
11200	-0.000	0.177	-0.000	-0.0050	-0.0095	0.0055
11210	-0.013	0.193	-0.011	-0.0071	-0.0068	0.0084
11220	-0.026	0.212	-0.022	-0.0071	-0.0067	0.0085
11490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
11500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
11510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
11520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
11535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
11540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
11550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
11560	0.000	0.364	0.763	0.0005	0.0001	0.0007
11570	0.000	0.363	0.782	0.0006	0.0001	0.0008
13490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
13500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
13510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
13520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
13535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
13540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
13550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
13560	0.000	0.364	0.763	0.0005	0.0001	0.0007
13570	0.000	0.363	0.782	0.0006	0.0001	0.0008
15490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
15500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
15510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
15520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
15535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
15540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
15550	-0.000	0.365	0.727	0.0001	0.0000	0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 17 (OPE) W+T3-U1+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.000	0.364	0.763	0.0005	0.0000	0.0007
15570	0.000	0.363	0.782	0.0006	0.0001	0.0008
17490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
17500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
17510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
17520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
17535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
17540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
17550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
17560	0.000	0.364	0.763	0.0005	0.0001	0.0007
17570	0.000	0.363	0.782	0.0006	0.0001	0.0009
18000	-0.000	-0.000	-0.000	0.0000	-0.0000	-0.0000
18010	-0.001	-0.001	0.172	0.0001	-0.0001	-0.0001
18020	-0.005	-0.003	0.451	0.0001	-0.0002	-0.0002
18022	0.063	-0.004	0.452	0.0001	-0.0002	-0.0003
18025	0.063	-0.004	0.452	0.0001	-0.0002	-0.0003
18027	0.085	-0.006	0.452	0.0004	0.0002	-0.0008
18030	0.108	-0.007	0.451	0.0004	0.0002	-0.0009
18040	-0.011	-0.006	0.726	0.0001	-0.0003	-0.0002
18042	-0.011	-0.006	0.726	0.0001	-0.0003	-0.0002
18045	-0.011	-0.006	0.748	0.0003	-0.0005	-0.0005
18050	-0.012	-0.007	0.771	0.0003	-0.0005	-0.0005
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	-0.079	0.052	0.837	-0.0010	-0.0013	0.0009
19550	-0.088	0.141	0.828	-0.0010	-0.0012	0.0010
19560	-0.088	0.141	0.828	-0.0010	-0.0012	0.0010
19580	-0.089	0.151	0.827	-0.0010	-0.0011	0.0011
19600	-0.091	0.168	0.825	-0.0010	-0.0011	0.0011

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.367	0.782	-0.0004	0.0016	0.0013
30	0.009	0.368	0.802	-0.0004	0.0017	0.0015
40	0.016	0.369	0.824	0.0002	0.0039	0.0065
50	0.022	0.368	0.843	0.0003	0.0039	0.0068
60	0.028	0.368	0.863	0.0003	0.0039	0.0070
68	0.036	0.366	0.885	0.0021	0.0025	0.0120
69	0.038	0.333	0.895	0.0234	-0.0121	0.0148
70	0.067	0.286	0.845	0.0363	-0.0157	0.0279
78	0.119	0.264	0.780	0.0363	-0.0209	0.0292
79	0.168	0.217	0.691	0.0365	-0.0290	0.0283
80	0.164	0.163	0.586	0.0392	-0.0500	0.0176
90	0.019	-0.015	0.000	0.0190	-0.0409	0.0144
95	-0.065	-0.111	-0.211	0.0073	-0.0217	0.0138
100	-0.114	-0.164	-0.274	0.0005	-0.0108	0.0129
108	-0.137	-0.189	-0.293	0.0032	-0.0106	0.0128
109	-0.165	-0.195	-0.306	0.0082	-0.0075	0.0009
110	-0.162	-0.168	-0.283	0.0212	-0.0043	-0.0123
120	-0.160	-0.166	-0.280	0.0213	-0.0044	-0.0124
130	-0.141	-0.146	-0.247	0.0214	-0.0045	-0.0124
140	-0.028	-0.030	-0.050	0.0209	-0.0047	-0.0118
150	-0.010	-0.011	-0.018	0.0206	-0.0047	-0.0116
160	-0.000	0.000	-0.000	0.0166	-0.0051	-0.0090
170	0.011	0.036	0.026	0.0047	-0.0064	-0.0026
180	0.012	0.061	0.027	-0.0022	-0.0080	0.0008
190	0.011	0.081	0.023	-0.0024	-0.0081	0.0009
200	0.008	0.115	0.016	-0.0028	-0.0082	0.0011
210	-0.022	0.126	0.062	-0.0031	-0.0082	0.0011
220	-0.060	0.141	0.121	-0.0032	-0.0082	0.0011
230	0.005	0.149	0.008	-0.0029	-0.0083	0.0012
240	-0.123	-0.156	-0.253	-0.0077	-0.0017	0.0102
250	-0.115	-0.134	-0.233	-0.0223	0.0158	0.0041
260	-0.096	-0.107	-0.218	-0.0227	0.0162	0.0039
270	-0.002	0.021	-0.148	-0.0234	0.0173	0.0032
280	0.019	0.049	-0.133	-0.0234	0.0174	0.0030
290	0.040	0.077	-0.119	-0.0270	0.0169	-0.0167
300	0.059	0.108	-0.104	-0.0270	0.0168	-0.0170
310	0.090	0.157	-0.081	-0.0270	0.0163	-0.0176
320	0.064	0.193	-0.048	-0.0269	0.0159	-0.0179
330	0.030	0.029	0.033	0.0044	-0.0032	-0.0055
338	0.145	-0.007	0.003	0.0025	0.0066	0.0076
339	0.146	0.018	-0.003	0.0020	0.0075	0.0349
340	0.107	0.047	-0.004	0.0019	0.0077	0.0494
345	0.000	0.074	0.000	0.0024	0.0077	0.0427
350	0.000	0.253	-0.000	-0.0082	0.0076	-0.0365
358	0.089	0.281	-0.023	-0.0125	0.0076	-0.0405
359	0.119	0.307	-0.037	-0.0232	0.0045	-0.0278
360	0.116	0.326	-0.045	-0.0275	0.0015	-0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.115	0.326	-0.045	-0.0277	0.0015	0.0001
380	0.099	0.326	-0.043	-0.0278	0.0015	0.0003
390	0.069	0.325	-0.039	-0.0279	0.0015	0.0008
400	0.076	0.450	0.016	-0.0295	0.0015	0.0008
410	0.093	0.795	0.160	-0.0304	0.0015	0.0008
420	0.040	0.322	-0.036	-0.0267	0.0014	0.0012
430	0.050	0.214	-0.030	-0.0269	0.0156	-0.0180
440	0.022	0.237	-0.015	-0.0265	0.0096	-0.0210
444	-0.000	0.274	-0.000	-0.0263	0.0075	-0.0219
449	-0.108	0.451	0.012	-0.0276	-0.0057	-0.0171
450	-0.104	0.408	-0.017	-0.0322	-0.0083	-0.0138
451	-0.087	0.434	0.027	-0.0256	0.0017	-0.0229
460	-0.103	0.403	-0.019	-0.0322	-0.0083	-0.0137
470	-0.092	0.361	-0.036	-0.0322	-0.0083	-0.0137
480	-0.044	0.177	-0.108	-0.0323	-0.0083	-0.0135
490	-0.033	0.134	-0.125	-0.0323	-0.0083	-0.0135
500	-0.000	0.000	-0.180	-0.0269	-0.0067	-0.0107
510	0.043	-0.162	-0.281	-0.0150	-0.0048	-0.0055
518	0.065	-0.219	-0.339	-0.0106	-0.0052	-0.0025
519	0.078	-0.215	-0.363	0.0046	-0.0067	-0.0011
520	0.080	-0.184	-0.352	0.0159	-0.0060	0.0045
530	0.000	0.185	-0.000	-0.0027	-0.0185	-0.0059
538	0.575	0.583	-0.677	-0.0290	-0.0326	-0.0238
539	0.631	0.587	-0.704	-0.0258	-0.0352	-0.0241
540	0.675	0.552	-0.650	-0.0227	-0.0433	-0.0237
550	0.766	0.388	-0.344	-0.0217	-0.0468	-0.0237
560	0.794	0.334	-0.236	-0.0214	-0.0483	-0.0237
570	0.403	0.503	-0.134	-0.0205	-0.0484	-0.0236
578	0.183	0.595	-0.076	-0.0197	-0.0469	-0.0235
579	0.054	0.624	-0.024	-0.0104	-0.0272	-0.0160
580	0.002	0.595	0.002	0.0026	-0.0184	-0.0022
590	0.000	0.584	-0.000	0.0030	-0.0177	-0.0020
600	-0.004	0.554	-0.011	0.0032	-0.0156	-0.0013
610	-0.006	0.531	-0.017	0.0031	-0.0155	-0.0012
620	-0.021	0.366	-0.052	0.0020	-0.0148	-0.0009
630	-0.022	0.343	-0.055	0.0019	-0.0147	-0.0008
640	-0.023	0.311	-0.054	-0.0020	-0.0126	0.0007
648	0.916	0.280	-0.268	-0.0214	-0.0479	-0.0238
649	1.050	0.195	-0.257	-0.0195	-0.0352	-0.0230
650	1.121	0.112	-0.197	-0.0180	-0.0193	-0.0200
658	1.156	0.057	-0.147	-0.0176	-0.0184	-0.0197
659	1.176	-0.004	-0.093	-0.0134	-0.0083	-0.0120
660	1.166	-0.052	-0.056	-0.0090	-0.0053	-0.0075
670	1.112	-0.143	0.008	-0.0094	-0.0036	-0.0089
680	1.080	-0.186	0.040	-0.0099	-0.0027	-0.0107
690	-0.019	0.278	-0.045	-0.0040	-0.0120	0.0016
700	-0.013	0.246	-0.030	-0.0061	-0.0108	0.0026
705	0.882	0.000	-0.000	-0.0105	-0.0021	-0.0140
710	-0.009	0.226	-0.020	-0.0062	-0.0107	0.0026

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.128	-0.226	0.051	-0.0099	-0.0027	-0.0107
730	0.200	0.868	-0.014	-0.0129	0.0012	-0.0138
735	-0.000	1.077	-0.000	-0.0133	-0.0004	-0.0127
740	-0.334	1.365	-0.071	-0.0140	-0.0034	-0.0085
750	-0.658	1.514	-0.157	-0.0147	-0.0027	-0.0037
758	-0.706	1.526	-0.167	-0.0147	-0.0025	-0.0032
759	-0.754	1.486	-0.150	-0.0140	-0.0034	0.0093
760	-0.713	1.401	-0.105	-0.0076	-0.0060	0.0171
770	-0.546	1.278	-0.038	-0.0059	-0.0069	0.0171
775	-0.413	1.179	-0.000	-0.0033	-0.0075	0.0164
780	-0.282	1.075	0.012	-0.0011	-0.0082	0.0152
785	-0.000	0.781	0.000	-0.0003	-0.0142	0.0086
790	0.137	0.448	0.065	-0.0048	-0.0210	0.0023
792	0.161	0.157	0.202	-0.0068	-0.0269	-0.0000
795	0.172	0.045	0.264	-0.0082	-0.0271	0.0019
797	0.180	0.000	0.293	-0.0090	-0.0272	0.0027
798	0.298	-0.326	0.567	-0.0103	-0.0276	0.0040
799	0.342	-0.382	0.552	0.0071	-0.0231	-0.0073
800	0.409	-0.339	0.470	0.0179	-0.0142	-0.0126
808	0.440	-0.300	0.443	0.0179	-0.0140	-0.0132
809	0.456	-0.200	0.371	0.0120	-0.0025	-0.0123
810	0.395	-0.129	0.359	0.0082	0.0054	-0.0084
850	0.136	-0.002	0.448	0.0002	0.0005	-0.0008
860	0.112	-0.000	0.449	0.0001	0.0005	-0.0007
870	0.113	0.159	0.100	-0.0062	-0.0278	-0.0010
875	0.068	0.164	-0.000	-0.0057	-0.0289	-0.0019
878	-0.043	0.191	-0.268	-0.0043	-0.0304	-0.0038
879	-0.155	0.242	-0.377	-0.0052	-0.0223	-0.0115
880	-0.239	0.273	-0.349	0.0036	-0.0028	-0.0100
888	-0.007	-0.385	0.470	0.0137	0.0087	-0.0189
889	0.081	-0.466	0.499	0.0060	0.0184	-0.0170
890	0.181	-0.548	0.426	0.0031	0.0217	-0.0142
899	0.264	-0.583	0.325	0.0004	0.0234	-0.0087
900	0.303	-0.533	0.261	-0.0075	0.0252	0.0038
902	-0.000	0.000	0.000	-0.0022	0.0188	0.0116
905	-0.528	0.450	-0.000	-0.0022	0.0135	0.0182
908	-0.782	0.621	-0.055	-0.0055	0.0115	0.0193
909	-0.847	0.719	-0.126	-0.0123	0.0120	0.0177
910	-0.817	0.807	-0.187	-0.0102	0.0025	0.0079
920	-0.670	0.888	-0.201	-0.0115	-0.0001	0.0053
925	-0.000	0.838	-0.000	-0.0120	-0.0018	-0.0071
930	0.209	0.701	-0.001	-0.0121	0.0007	-0.0098
935	0.886	0.000	-0.000	-0.0100	-0.0014	-0.0116
940	1.089	-0.150	0.030	-0.0094	-0.0021	-0.0082
950	1.137	-0.181	0.038	-0.0094	-0.0021	-0.0082
960	-0.305	1.082	0.054	-0.0025	-0.0059	0.0168
968	-0.318	1.090	0.087	-0.0030	-0.0043	0.0181
969	-0.320	1.116	0.118	-0.0024	0.0132	0.0148
970	-0.351	1.152	0.140	0.0087	0.0147	0.0223

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.787	1.361	0.362	0.0199	0.0271	0.0314
979	-0.898	1.454	0.438	0.0500	0.0200	0.0600
980	-0.943	1.675	0.444	0.0556	0.0242	0.0852
985	-0.805	2.599	0.166	0.0709	0.0275	0.0883
988	-0.616	3.866	-0.245	0.0919	0.0284	0.0861
989	-0.549	3.954	-0.306	0.1098	0.0252	0.0577
990	-0.471	3.635	-0.297	0.1577	0.0199	0.0384
1000	-0.320	2.362	-0.198	0.1675	0.0183	0.0339
1010	-0.296	2.138	-0.181	0.1692	0.0180	0.0331
1012	-0.267	1.866	-0.161	0.1693	0.0180	0.0331
1016	-0.144	0.700	-0.074	0.1698	0.0178	0.0328
1020	-0.115	0.427	-0.053	0.1698	0.0178	0.0328
1029	-0.074	-0.028	-0.024	0.1729	0.0016	0.0310
1030	-0.040	-0.131	-0.004	0.1672	-0.0008	0.0422
1035	-0.000	0.000	-0.000	0.1647	0.0006	0.0447
1040	0.040	0.148	-0.005	0.1622	0.0027	0.0475
1045	0.072	0.193	-0.009	0.1587	0.0058	0.0494
1050	0.090	0.261	-0.017	0.1585	0.0060	0.0494
1070	0.244	0.911	-0.058	-0.0129	-0.0004	-0.0124
1080	1.113	-0.108	-0.001	-0.0089	-0.0030	-0.0065
1090	0.240	0.744	-0.044	-0.0126	-0.0008	-0.0091
1100	-0.644	1.556	-0.208	-0.0148	-0.0033	-0.0041
1110	-0.685	0.931	-0.243	-0.0125	-0.0002	0.0037
1120	0.004	0.316	-0.037	-0.0118	-0.0056	0.0022
1130	0.024	0.321	-0.034	-0.0261	0.0011	0.0013
1190	0.003	0.169	0.004	-0.0030	-0.0084	0.0013
1200	-0.000	0.186	-0.000	-0.0047	-0.0095	0.0021
1210	-0.004	0.204	-0.009	-0.0062	-0.0107	0.0026
1220	-0.008	0.223	-0.019	-0.0062	-0.0107	0.0026
1230	-0.002	0.008	0.771	-0.0004	-0.0002	-0.0004
1240	-0.003	0.009	0.795	-0.0005	-0.0002	-0.0005
1248	-0.014	0.039	1.004	-0.0015	-0.0000	-0.0057
1249	-0.006	-0.002	1.052	0.0105	0.0073	-0.0056
1250	-0.030	-0.091	0.996	0.0222	0.0073	-0.0125
1258	-0.188	-0.246	0.725	0.0222	0.0112	-0.0130
1259	-0.209	-0.323	0.605	0.0202	0.0133	-0.0049
1260	-0.151	-0.346	0.479	0.0223	0.0243	0.0055
1268	0.071	-0.243	0.042	0.0187	0.0259	0.0066
1269	0.115	-0.181	-0.056	0.0150	0.0309	0.0092
1270	0.101	-0.104	-0.072	0.0046	0.0346	0.0069
1275	0.000	0.142	-0.000	0.0026	0.0343	0.0027
1280	0.048	0.497	0.088	0.0054	0.0338	-0.0039
1285	0.056	0.520	0.098	0.0054	0.0338	-0.0039
1290	0.063	0.543	0.108	0.0054	0.0338	-0.0039
1300	0.065	0.548	0.110	0.0056	0.0338	-0.0039
1310	0.067	0.553	0.113	0.0057	0.0338	-0.0039
1315	0.074	0.576	0.123	0.0057	0.0338	-0.0039
1320	0.082	0.599	0.134	0.0057	0.0338	-0.0039
1325	0.172	0.914	0.352	0.0102	0.0333	-0.0012

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.176	1.041	0.459	0.0101	0.0331	0.0016
1329	0.076	1.057	0.549	0.0008	0.0287	0.0321
1330	-0.061	0.872	0.656	-0.0046	0.0175	0.0522
1338	-0.112	0.652	0.729	-0.0055	0.0169	0.0523
1339	-0.086	0.407	0.784	-0.0027	0.0036	0.0357
1340	-0.022	0.298	0.799	-0.0027	0.0003	0.0011
1350	-0.022	0.294	0.800	-0.0027	0.0001	0.0010
1360	-0.020	0.270	0.805	-0.0027	0.0001	0.0009
1373	0.123	0.393	-0.034	0.1579	0.0065	0.0493
1376	0.105	0.822	-0.068	0.1574	0.0070	0.0490
1380	0.096	1.023	-0.084	0.1570	0.0072	0.0489
1390	0.078	1.293	-0.107	0.1475	0.0118	0.0453
1392	0.062	1.497	-0.124	0.1472	0.0119	0.0451
1396	-0.007	2.329	-0.196	0.1459	0.0122	0.0448
1400	-0.024	2.531	-0.214	0.1456	0.0123	0.0447
1410	-0.105	3.296	-0.286	0.1201	0.0148	0.0368
1418	-0.146	3.607	-0.320	0.1093	0.0148	0.0331
1419	-0.151	3.728	-0.386	0.0294	0.0164	0.0286
1420	-0.124	3.708	-0.383	-0.0337	0.0195	0.0151
1425	0.000	3.585	-0.000	-0.0366	0.0141	0.0126
1428	0.511	3.232	0.565	-0.0119	-0.0015	0.0265
1429	0.566	3.179	0.581	-0.0076	-0.0046	0.0433
1430	0.581	3.071	0.570	-0.0050	-0.0116	0.0606
1435	0.000	0.000	-0.000	-0.0031	-0.0123	0.0540
1438	-0.072	-0.282	-0.073	-0.0029	-0.0124	0.0459
1439	-0.107	-0.341	-0.100	0.0025	-0.0100	0.0253
1440	-0.128	-0.333	-0.118	0.0071	-0.0128	0.0154
1448	-0.131	-0.305	-0.126	0.0069	-0.0117	0.0134
1449	-0.133	-0.290	-0.128	0.0055	-0.0137	0.0085
1450	-0.135	-0.276	-0.126	0.0041	-0.0144	0.0009
1455	-0.000	0.000	-0.000	0.0098	-0.0043	-0.0120
1458	0.027	0.028	0.022	0.0115	-0.0033	-0.0129
1459	0.060	0.075	0.057	0.0405	-0.0037	-0.0184
1460	0.079	0.195	0.073	0.0747	0.0003	-0.0188
1470	-0.263	4.061	-0.493	0.0855	0.0147	-0.0429
1480	-0.289	4.212	-0.515	0.0848	0.0153	-0.0439
1490	-0.318	4.367	-0.539	0.0841	0.0158	-0.0449
1495	-0.248	4.387	-0.410	0.0826	0.0158	-0.0450
1497	-0.168	4.409	-0.267	0.0790	0.0158	-0.0454
1498	-1.061	7.518	-0.883	0.1376	0.0291	-0.1256
1499	-1.081	7.597	-0.904	0.1357	0.0224	-0.1308
1500	-0.000	4.455	0.000	0.0711	0.0158	-0.0461
1504	-0.347	4.523	-0.562	0.0853	0.0163	-0.0457
1505	-1.077	7.520	-0.927	0.1322	0.0147	-0.1450
1506	-0.377	4.676	-0.585	0.0885	0.0177	-0.0480
1508	-0.603	0.266	-0.443	0.1497	-0.0340	-0.2254
1509	-0.503	0.059	-0.352	0.1506	-0.0352	-0.2246
1510	-0.287	-0.016	-0.196	0.1520	-0.0357	-0.2233
1520	0.000	0.000	-0.000	0.1521	-0.0357	-0.2232

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
2030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
2040	0.016	0.369	0.824	0.0002	0.0038	0.0065
2050	0.022	0.369	0.843	0.0002	0.0039	0.0068
2060	0.028	0.368	0.863	0.0003	0.0039	0.0070
2068	0.035	0.367	0.885	0.0020	0.0025	0.0120
2069	0.037	0.334	0.895	0.0230	-0.0126	0.0147
2070	0.066	0.287	0.846	0.0357	-0.0163	0.0277
2078	0.117	0.265	0.782	0.0356	-0.0216	0.0289
2079	0.165	0.218	0.695	0.0352	-0.0295	0.0281
2080	0.161	0.165	0.590	0.0377	-0.0504	0.0173
2090	0.016	-0.011	0.000	0.0167	-0.0409	0.0143
2100	-0.117	-0.162	-0.270	-0.0025	-0.0099	0.0135
2108	-0.140	-0.188	-0.288	0.0001	-0.0094	0.0134
2109	-0.168	-0.195	-0.297	0.0062	-0.0030	0.0010
2110	-0.165	-0.168	-0.272	0.0204	0.0014	-0.0125
2120	-0.163	-0.166	-0.270	0.0205	0.0014	-0.0126
2130	-0.143	-0.146	-0.238	0.0206	0.0013	-0.0126
2140	-0.028	-0.030	-0.048	0.0202	0.0013	-0.0120
2150	-0.010	-0.011	-0.017	0.0199	0.0012	-0.0118
2160	-0.000	0.000	-0.000	0.0161	0.0011	-0.0091
2170	0.011	0.037	0.025	0.0046	0.0006	-0.0026
2180	0.012	0.062	0.026	-0.0021	-0.0001	0.0008
2190	0.010	0.082	0.023	-0.0024	-0.0001	0.0009
2200	0.008	0.116	0.016	-0.0028	-0.0001	0.0011
2210	0.007	0.127	0.062	-0.0030	-0.0001	0.0011
2220	0.006	0.141	0.121	-0.0031	-0.0001	0.0011
2230	0.004	0.150	0.008	-0.0028	-0.0002	0.0012
2240	-0.125	-0.149	-0.249	-0.0108	-0.0010	0.0115
2250	-0.116	-0.122	-0.229	-0.0255	0.0161	0.0068
2260	-0.096	-0.091	-0.214	-0.0259	0.0165	0.0067
2270	-0.001	0.054	-0.144	-0.0266	0.0175	0.0061
2280	0.020	0.086	-0.129	-0.0266	0.0176	0.0060
2290	0.041	0.117	-0.115	-0.0285	0.0165	-0.0090
2300	0.060	0.150	-0.100	-0.0285	0.0163	-0.0093
2310	0.090	0.202	-0.077	-0.0284	0.0159	-0.0097
2320	0.064	0.222	-0.045	-0.0283	0.0155	-0.0099
2330	0.030	0.029	0.023	0.0047	0.0018	-0.0064
2338	0.145	-0.028	-0.014	0.0052	0.0049	0.0052
2339	0.146	-0.005	-0.017	0.0053	0.0046	0.0338
2340	0.108	0.023	-0.013	0.0059	0.0043	0.0496
2345	0.000	0.050	0.000	0.0062	0.0041	0.0431
2350	0.000	0.230	-0.000	-0.0149	0.0027	-0.0375
2358	0.092	0.258	-0.040	-0.0205	0.0025	-0.0419
2359	0.124	0.284	-0.064	-0.0286	0.0004	-0.0301
2360	0.121	0.306	-0.075	-0.0301	0.0018	-0.0027
2370	0.120	0.306	-0.075	-0.0302	0.0019	-0.0023
2380	0.104	0.309	-0.073	-0.0302	0.0019	-0.0021
2390	0.075	0.314	-0.068	-0.0303	0.0021	-0.0016

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.084	0.449	-0.013	-0.0318	0.0021	-0.0016
2410	0.107	0.821	0.131	-0.0328	0.0021	-0.0016
2420	0.045	0.316	-0.063	-0.0290	0.0022	-0.0011
2430	0.049	0.233	-0.028	-0.0282	0.0152	-0.0100
2440	0.022	0.240	-0.014	-0.0271	0.0088	-0.0120
2445	-0.000	0.262	-0.000	-0.0268	0.0066	-0.0126
2449	-0.108	0.359	0.002	-0.0255	-0.0062	-0.0113
2450	-0.103	0.319	-0.028	-0.0258	-0.0082	-0.0103
2451	-0.087	0.355	0.019	-0.0253	0.0005	-0.0134
2460	-0.102	0.315	-0.029	-0.0258	-0.0082	-0.0102
2470	-0.091	0.281	-0.046	-0.0258	-0.0082	-0.0102
2480	-0.045	0.134	-0.118	-0.0258	-0.0081	-0.0101
2490	-0.034	0.100	-0.135	-0.0257	-0.0081	-0.0101
2500	-0.000	0.000	-0.190	-0.0175	-0.0072	-0.0086
2510	0.050	-0.068	-0.291	-0.0020	-0.0056	-0.0058
2518	0.074	-0.064	-0.349	0.0023	-0.0051	-0.0043
2519	0.084	-0.040	-0.366	0.0118	-0.0027	-0.0024
2520	0.086	-0.005	-0.349	0.0159	-0.0010	0.0021
2530	0.000	0.365	-0.000	0.0014	-0.0005	0.0015
2538	-0.005	0.768	-0.255	-0.0070	0.0001	0.0017
2539	-0.003	0.797	-0.257	0.0042	-0.0037	0.0078
2540	0.013	0.826	-0.240	0.0085	-0.0085	0.0121
2550	0.101	0.910	-0.180	0.0142	-0.0096	0.0113
2560	0.130	0.935	-0.158	0.0161	-0.0102	0.0104
2570	0.049	0.795	-0.057	0.0182	-0.0096	0.0074
2578	0.006	0.710	0.001	0.0184	-0.0088	0.0057
2579	-0.004	0.647	0.018	0.0144	-0.0040	0.0055
2580	0.000	0.597	0.004	0.0050	-0.0042	-0.0002
2590	-0.000	0.586	-0.000	0.0048	-0.0039	-0.0004
2600	-0.002	0.555	-0.013	0.0035	-0.0031	-0.0009
2610	-0.004	0.533	-0.019	0.0034	-0.0030	-0.0009
2620	-0.015	0.368	-0.055	0.0020	-0.0028	-0.0008
2630	-0.016	0.345	-0.059	0.0018	-0.0027	-0.0007
2640	-0.017	0.312	-0.057	-0.0022	-0.0019	0.0004
2648	0.156	0.975	-0.189	0.0155	-0.0104	0.0110
2649	0.202	1.014	-0.212	0.0044	-0.0109	0.0079
2650	0.249	1.034	-0.201	0.0007	-0.0071	0.0050
2658	0.284	1.048	-0.182	-0.0009	-0.0067	0.0049
2659	0.322	1.042	-0.169	-0.0023	-0.0026	-0.0004
2660	0.323	1.002	-0.147	-0.0116	-0.0036	-0.0101
2690	-0.015	0.279	-0.047	-0.0043	-0.0016	0.0011
2700	-0.010	0.247	-0.031	-0.0064	-0.0012	0.0020
2710	-0.007	0.227	-0.021	-0.0065	-0.0011	0.0021
3120	0.010	0.316	-0.057	-0.0129	0.0007	0.0010
3130	0.029	0.318	-0.060	-0.0283	0.0022	-0.0009
3190	0.003	0.169	0.004	-0.0029	-0.0002	0.0013
3200	-0.000	0.187	-0.000	-0.0048	-0.0007	0.0018
3210	-0.003	0.205	-0.009	-0.0064	-0.0011	0.0021
3220	-0.006	0.224	-0.020	-0.0065	-0.0011	0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
4030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
4040	0.016	0.369	0.824	0.0002	0.0039	0.0065
4050	0.022	0.368	0.843	0.0003	0.0039	0.0067
4060	0.028	0.368	0.863	0.0004	0.0039	0.0070
4068	0.036	0.366	0.885	0.0021	0.0026	0.0120
4069	0.038	0.333	0.895	0.0235	-0.0120	0.0148
4070	0.068	0.286	0.844	0.0366	-0.0156	0.0279
4078	0.119	0.264	0.778	0.0366	-0.0208	0.0291
4079	0.168	0.216	0.690	0.0370	-0.0289	0.0283
4080	0.164	0.163	0.584	0.0397	-0.0498	0.0175
4090	0.019	-0.015	0.000	0.0197	-0.0407	0.0144
4100	-0.114	-0.164	-0.273	0.0014	-0.0107	0.0128
4108	-0.137	-0.189	-0.292	0.0039	-0.0105	0.0127
4109	-0.165	-0.195	-0.304	0.0087	-0.0075	0.0008
4110	-0.162	-0.168	-0.280	0.0211	-0.0045	-0.0123
4120	-0.160	-0.166	-0.278	0.0211	-0.0045	-0.0124
4130	-0.141	-0.146	-0.245	0.0212	-0.0046	-0.0124
4140	-0.028	-0.030	-0.050	0.0207	-0.0048	-0.0118
4150	-0.010	-0.011	-0.018	0.0205	-0.0048	-0.0116
4160	-0.000	0.000	-0.000	0.0165	-0.0052	-0.0090
4170	0.011	0.036	0.026	0.0047	-0.0065	-0.0026
4180	0.012	0.061	0.027	-0.0022	-0.0080	0.0008
4190	0.011	0.081	0.023	-0.0024	-0.0080	0.0009
4200	0.008	0.115	0.016	-0.0028	-0.0082	0.0011
4210	-0.022	0.126	0.062	-0.0031	-0.0082	0.0011
4220	-0.060	0.141	0.121	-0.0032	-0.0082	0.0011
4230	0.005	0.149	0.008	-0.0029	-0.0083	0.0012
4240	-0.123	-0.158	-0.251	-0.0065	-0.0016	0.0102
4250	-0.115	-0.138	-0.232	-0.0207	0.0158	0.0041
4260	-0.095	-0.113	-0.217	-0.0210	0.0162	0.0039
4270	-0.002	0.006	-0.147	-0.0217	0.0173	0.0031
4280	0.019	0.032	-0.131	-0.0218	0.0174	0.0030
4290	0.040	0.058	-0.117	-0.0252	0.0168	-0.0168
4300	0.060	0.087	-0.103	-0.0252	0.0166	-0.0171
4310	0.090	0.133	-0.080	-0.0252	0.0162	-0.0177
4320	0.064	0.169	-0.047	-0.0251	0.0158	-0.0179
4330	0.030	0.029	0.033	0.0043	-0.0032	-0.0055
4338	0.145	-0.007	0.003	0.0025	0.0066	0.0076
4339	0.146	0.018	-0.003	0.0021	0.0075	0.0349
4340	0.107	0.046	-0.004	0.0019	0.0076	0.0494
4345	0.000	0.073	0.000	0.0024	0.0076	0.0427
4350	0.000	0.253	-0.000	-0.0084	0.0075	-0.0366
4358	0.089	0.281	-0.023	-0.0127	0.0075	-0.0406
4359	0.120	0.306	-0.038	-0.0233	0.0044	-0.0279
4360	0.116	0.326	-0.045	-0.0276	0.0015	-0.0003
4370	0.115	0.326	-0.045	-0.0277	0.0015	0.0000
4380	0.099	0.326	-0.043	-0.0278	0.0015	0.0002
4390	0.069	0.325	-0.040	-0.0280	0.0015	0.0007

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.076	0.450	0.015	-0.0295	0.0015	0.0007
4410	0.094	0.796	0.160	-0.0305	0.0015	0.0007
4420	0.040	0.322	-0.036	-0.0268	0.0014	0.0012
4430	0.049	0.190	-0.029	-0.0251	0.0155	-0.0181
4440	0.022	0.214	-0.015	-0.0248	0.0092	-0.0212
4445	-0.000	0.251	-0.000	-0.0246	0.0071	-0.0221
4449	-0.108	0.433	0.007	-0.0260	-0.0060	-0.0176
4450	-0.103	0.392	-0.022	-0.0310	-0.0083	-0.0142
4451	-0.087	0.413	0.023	-0.0240	0.0011	-0.0233
4460	-0.102	0.388	-0.024	-0.0310	-0.0083	-0.0141
4470	-0.091	0.347	-0.041	-0.0310	-0.0083	-0.0141
4480	-0.044	0.171	-0.113	-0.0311	-0.0082	-0.0139
4490	-0.033	0.130	-0.129	-0.0310	-0.0082	-0.0138
4500	-0.000	0.000	-0.184	-0.0260	-0.0067	-0.0110
4510	0.043	-0.157	-0.286	-0.0145	-0.0047	-0.0058
4518	0.064	-0.211	-0.344	-0.0102	-0.0051	-0.0028
4519	0.077	-0.207	-0.367	0.0048	-0.0065	-0.0014
4520	0.079	-0.176	-0.357	0.0160	-0.0057	0.0044
4530	0.000	0.193	-0.000	-0.0025	-0.0179	-0.0057
4538	0.560	0.591	-0.665	-0.0284	-0.0316	-0.0232
4539	0.615	0.596	-0.691	-0.0250	-0.0343	-0.0235
4540	0.658	0.562	-0.639	-0.0219	-0.0423	-0.0230
4550	0.748	0.403	-0.339	-0.0208	-0.0458	-0.0229
4560	0.777	0.351	-0.234	-0.0204	-0.0472	-0.0229
4570	0.394	0.511	-0.132	-0.0194	-0.0474	-0.0228
4578	0.179	0.598	-0.074	-0.0186	-0.0459	-0.0228
4579	0.052	0.624	-0.023	-0.0097	-0.0267	-0.0155
4580	0.002	0.595	0.002	0.0027	-0.0181	-0.0022
4590	0.000	0.584	-0.000	0.0030	-0.0174	-0.0020
4600	-0.004	0.554	-0.011	0.0032	-0.0153	-0.0013
4610	-0.006	0.531	-0.017	0.0032	-0.0152	-0.0012
4620	-0.021	0.366	-0.052	0.0020	-0.0146	-0.0009
4630	-0.022	0.344	-0.055	0.0019	-0.0145	-0.0008
4640	-0.023	0.311	-0.054	-0.0020	-0.0123	0.0006
4648	0.896	0.299	-0.266	-0.0204	-0.0469	-0.0229
4649	1.028	0.217	-0.256	-0.0188	-0.0345	-0.0221
4650	1.098	0.138	-0.198	-0.0172	-0.0188	-0.0188
4658	1.133	0.086	-0.148	-0.0169	-0.0180	-0.0184
4659	1.154	0.029	-0.096	-0.0128	-0.0078	-0.0103
4660	1.150	-0.016	-0.061	-0.0086	-0.0048	-0.0052
4690	-0.019	0.278	-0.045	-0.0040	-0.0118	0.0016
4700	-0.013	0.246	-0.030	-0.0062	-0.0106	0.0026
4710	-0.009	0.226	-0.020	-0.0062	-0.0106	0.0026
5120	0.004	0.316	-0.037	-0.0119	-0.0055	0.0022
5130	0.024	0.321	-0.034	-0.0261	0.0012	0.0013
5190	0.003	0.169	0.004	-0.0029	-0.0083	0.0013
5200	-0.000	0.186	-0.000	-0.0047	-0.0094	0.0021
5210	-0.004	0.204	-0.009	-0.0062	-0.0105	0.0026
5220	-0.008	0.223	-0.019	-0.0062	-0.0106	0.0026

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
6030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
6040	0.016	0.369	0.824	0.0003	0.0039	0.0065
6050	0.022	0.368	0.843	0.0004	0.0039	0.0067
6060	0.028	0.368	0.863	0.0004	0.0039	0.0069
6068	0.036	0.366	0.885	0.0022	0.0026	0.0119
6069	0.038	0.331	0.895	0.0241	-0.0116	0.0148
6070	0.069	0.284	0.842	0.0379	-0.0150	0.0279
6078	0.120	0.262	0.774	0.0380	-0.0201	0.0291
6079	0.168	0.215	0.682	0.0391	-0.0283	0.0282
6080	0.165	0.161	0.577	0.0420	-0.0492	0.0175
6090	0.019	-0.017	0.000	0.0230	-0.0402	0.0144
6100	-0.113	-0.166	-0.268	0.0055	-0.0099	0.0128
6108	-0.136	-0.190	-0.285	0.0070	-0.0094	0.0125
6109	-0.164	-0.195	-0.290	0.0112	-0.0034	0.0004
6110	-0.160	-0.168	-0.262	0.0197	-0.0002	-0.0122
6120	-0.158	-0.166	-0.259	0.0198	-0.0002	-0.0123
6130	-0.139	-0.146	-0.229	0.0198	-0.0002	-0.0123
6140	-0.028	-0.030	-0.047	0.0194	-0.0002	-0.0117
6150	-0.009	-0.011	-0.016	0.0191	-0.0002	-0.0115
6160	-0.000	0.000	-0.000	0.0154	-0.0001	-0.0089
6170	0.011	0.037	0.024	0.0044	0.0000	-0.0026
6180	0.012	0.062	0.025	-0.0021	-0.0002	0.0008
6190	0.010	0.082	0.022	-0.0023	-0.0002	0.0009
6200	0.007	0.116	0.015	-0.0027	-0.0002	0.0011
6210	0.007	0.126	0.061	-0.0029	-0.0002	0.0011
6220	0.006	0.140	0.120	-0.0030	-0.0002	0.0011
6230	0.004	0.150	0.008	-0.0027	-0.0002	0.0012
6240	-0.121	-0.168	-0.246	-0.0007	-0.0012	0.0107
6250	-0.112	-0.160	-0.227	-0.0113	0.0158	0.0058
6260	-0.093	-0.146	-0.211	-0.0115	0.0162	0.0057
6270	-0.000	-0.080	-0.141	-0.0120	0.0172	0.0050
6280	0.021	-0.066	-0.126	-0.0120	0.0173	0.0049
6290	0.041	-0.052	-0.112	-0.0127	0.0163	-0.0109
6300	0.060	-0.038	-0.098	-0.0127	0.0162	-0.0112
6310	0.089	-0.015	-0.075	-0.0126	0.0158	-0.0116
6320	0.064	0.009	-0.043	-0.0126	0.0153	-0.0118
6330	0.030	0.029	0.023	0.0045	0.0015	-0.0063
6338	0.144	-0.028	-0.014	0.0051	0.0050	0.0052
6339	0.146	-0.005	-0.017	0.0053	0.0047	0.0337
6340	0.108	0.024	-0.013	0.0060	0.0043	0.0495
6345	0.000	0.051	0.000	0.0063	0.0041	0.0429
6350	0.000	0.230	-0.000	-0.0154	0.0024	-0.0372
6358	0.091	0.258	-0.042	-0.0212	0.0021	-0.0416
6359	0.123	0.285	-0.066	-0.0290	0.0001	-0.0299
6360	0.120	0.306	-0.078	-0.0303	0.0019	-0.0026
6370	0.119	0.306	-0.077	-0.0304	0.0020	-0.0023
6380	0.103	0.309	-0.075	-0.0304	0.0020	-0.0021
6390	0.074	0.314	-0.070	-0.0305	0.0022	-0.0015

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.083	0.449	-0.015	-0.0320	0.0022	-0.0015
6410	0.108	0.824	0.130	-0.0330	0.0022	-0.0015
6420	0.044	0.316	-0.065	-0.0292	0.0024	-0.0011
6430	0.049	0.023	-0.025	-0.0126	0.0150	-0.0120
6440	0.022	0.042	-0.012	-0.0124	0.0080	-0.0152
6445	-0.000	0.069	-0.000	-0.0123	0.0055	-0.0163
6449	-0.106	0.217	-0.012	-0.0125	-0.0074	-0.0159
6450	-0.101	0.203	-0.042	-0.0162	-0.0080	-0.0137
6451	-0.087	0.194	0.008	-0.0116	-0.0012	-0.0184
6460	-0.100	0.200	-0.044	-0.0163	-0.0080	-0.0136
6470	-0.089	0.179	-0.061	-0.0163	-0.0080	-0.0136
6480	-0.044	0.086	-0.132	-0.0163	-0.0080	-0.0135
6490	-0.033	0.064	-0.149	-0.0163	-0.0080	-0.0134
6500	-0.000	0.000	-0.204	-0.0109	-0.0070	-0.0116
6510	0.049	-0.034	-0.306	0.0004	-0.0055	-0.0083
6518	0.073	-0.023	-0.364	0.0037	-0.0051	-0.0064
6519	0.085	0.002	-0.380	0.0118	-0.0024	-0.0042
6520	0.088	0.037	-0.363	0.0161	-0.0004	0.0013
6530	0.000	0.406	-0.000	0.0022	-0.0001	0.0025
6538	-0.024	0.809	-0.242	-0.0075	0.0002	0.0004
6539	-0.016	0.833	-0.246	0.0018	-0.0030	0.0017
6540	0.006	0.848	-0.234	0.0054	-0.0072	0.0027
6550	0.094	0.867	-0.183	0.0102	-0.0082	0.0025
6560	0.123	0.873	-0.164	0.0118	-0.0088	0.0024
6570	0.054	0.767	-0.062	0.0141	-0.0082	0.0009
6578	0.017	0.700	-0.005	0.0145	-0.0076	0.0001
6579	0.003	0.645	0.015	0.0124	-0.0032	0.0009
6580	0.001	0.597	0.004	0.0048	-0.0025	-0.0007
6590	-0.000	0.586	-0.000	0.0046	-0.0023	-0.0008
6600	-0.003	0.555	-0.013	0.0034	-0.0016	-0.0010
6610	-0.004	0.533	-0.019	0.0033	-0.0016	-0.0010
6620	-0.016	0.367	-0.054	0.0020	-0.0014	-0.0008
6630	-0.018	0.345	-0.058	0.0018	-0.0014	-0.0008
6640	-0.018	0.312	-0.056	-0.0022	-0.0008	0.0004
6648	0.145	0.902	-0.195	0.0111	-0.0090	0.0027
6649	0.188	0.918	-0.219	0.0002	-0.0108	-0.0005
6650	0.236	0.910	-0.205	-0.0032	-0.0086	-0.0030
6658	0.271	0.902	-0.182	-0.0046	-0.0082	-0.0029
6659	0.303	0.878	-0.161	-0.0054	-0.0038	-0.0044
6660	0.301	0.835	-0.133	-0.0119	-0.0040	-0.0081
6690	-0.016	0.279	-0.046	-0.0042	-0.0007	0.0012
6700	-0.011	0.247	-0.031	-0.0063	-0.0005	0.0022
6710	-0.007	0.227	-0.021	-0.0063	-0.0005	0.0022
7120	0.009	0.316	-0.058	-0.0130	0.0014	0.0010
7130	0.028	0.318	-0.062	-0.0285	0.0024	-0.0009
7190	0.002	0.169	0.004	-0.0028	-0.0002	0.0012
7200	-0.000	0.187	-0.000	-0.0047	-0.0004	0.0019
7210	-0.003	0.204	-0.009	-0.0063	-0.0005	0.0022
7220	-0.007	0.224	-0.019	-0.0063	-0.0005	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
7560	0.004	0.366	0.763	-0.0004	0.0014	0.0011
7570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
8020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
8030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
8040	0.016	0.369	0.824	0.0002	0.0039	0.0065
8050	0.022	0.368	0.843	0.0003	0.0039	0.0068
8060	0.028	0.368	0.863	0.0004	0.0039	0.0070
8068	0.036	0.366	0.885	0.0021	0.0025	0.0120
8069	0.038	0.333	0.895	0.0230	-0.0120	0.0149
8070	0.068	0.287	0.846	0.0357	-0.0156	0.0280
8078	0.120	0.265	0.782	0.0357	-0.0208	0.0293
8079	0.169	0.217	0.695	0.0361	-0.0289	0.0286
8080	0.165	0.163	0.590	0.0389	-0.0501	0.0178
8090	0.020	-0.017	0.000	0.0190	-0.0415	0.0144
8100	-0.113	-0.165	-0.278	0.0008	-0.0098	0.0128
8108	-0.136	-0.190	-0.295	0.0024	-0.0086	0.0126
8109	-0.163	-0.195	-0.295	0.0087	0.0036	0.0004
8110	-0.160	-0.168	-0.262	0.0198	0.0090	-0.0122
8120	-0.158	-0.166	-0.260	0.0198	0.0091	-0.0122
8130	-0.139	-0.146	-0.229	0.0198	0.0091	-0.0123
8140	-0.028	-0.030	-0.047	0.0194	0.0094	-0.0117
8150	-0.009	-0.011	-0.017	0.0191	0.0094	-0.0115
8160	-0.000	0.000	-0.000	0.0155	0.0099	-0.0089
8170	0.010	0.037	0.024	0.0044	0.0112	-0.0026
8180	0.011	0.062	0.025	-0.0021	0.0126	0.0008
8190	0.010	0.082	0.022	-0.0023	0.0126	0.0009
8200	0.007	0.116	0.015	-0.0027	0.0127	0.0011
8210	0.054	0.126	0.061	-0.0029	0.0127	0.0011
8220	0.113	0.140	0.120	-0.0030	0.0127	0.0011
8230	0.004	0.150	0.008	-0.0027	0.0128	0.0012
8240	-0.121	-0.160	-0.257	-0.0057	-0.0012	0.0107
8250	-0.112	-0.143	-0.237	-0.0169	0.0155	0.0059
8260	-0.094	-0.123	-0.222	-0.0171	0.0159	0.0058
8270	-0.002	-0.026	-0.152	-0.0176	0.0169	0.0052
8280	0.018	-0.005	-0.137	-0.0176	0.0170	0.0051
8290	0.039	0.015	-0.123	-0.0171	0.0173	-0.0104
8300	0.059	0.034	-0.109	-0.0171	0.0172	-0.0106
8310	0.090	0.065	-0.085	-0.0170	0.0168	-0.0111
8320	0.065	0.088	-0.052	-0.0169	0.0164	-0.0113
8330	0.029	0.028	0.008	0.0051	0.0095	-0.0072
8338	0.144	-0.049	-0.041	0.0094	0.0023	0.0028

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.028	-0.038	0.0105	0.0002	0.0327
8340	0.109	0.000	-0.027	0.0122	-0.0007	0.0496
8345	0.000	0.027	0.000	0.0124	-0.0012	0.0432
8350	0.000	0.207	-0.000	-0.0255	-0.0045	-0.0374
8358	0.091	0.235	-0.068	-0.0332	-0.0051	-0.0420
8359	0.124	0.261	-0.105	-0.0369	-0.0054	-0.0315
8360	0.122	0.285	-0.122	-0.0339	0.0031	-0.0050
8370	0.121	0.285	-0.122	-0.0338	0.0032	-0.0046
8380	0.105	0.291	-0.118	-0.0338	0.0034	-0.0044
8390	0.076	0.301	-0.110	-0.0337	0.0038	-0.0039
8400	0.092	0.451	-0.055	-0.0352	0.0038	-0.0039
8410	0.136	0.862	0.090	-0.0362	0.0038	-0.0039
8420	0.046	0.309	-0.100	-0.0323	0.0044	-0.0033
8430	0.050	0.101	-0.033	-0.0168	0.0161	-0.0114
8440	0.022	0.117	-0.017	-0.0161	0.0103	-0.0143
8445	-0.000	0.142	-0.000	-0.0157	0.0083	-0.0153
8449	-0.068	0.223	0.012	-0.0144	-0.0031	-0.0180
8450	-0.069	0.208	-0.016	-0.0165	-0.0053	-0.0170
8451	-0.045	0.200	0.021	-0.0151	0.0052	-0.0166
8460	-0.068	0.206	-0.017	-0.0165	-0.0053	-0.0170
8470	-0.061	0.184	-0.034	-0.0166	-0.0053	-0.0169
8480	-0.031	0.090	-0.106	-0.0166	-0.0053	-0.0169
8490	-0.023	0.068	-0.123	-0.0166	-0.0053	-0.0169
8500	0.000	0.000	-0.178	-0.0122	-0.0054	-0.0159
8510	0.042	-0.054	-0.280	-0.0027	-0.0047	-0.0141
8518	0.061	-0.057	-0.338	0.0001	-0.0036	-0.0130
8519	0.071	-0.040	-0.357	0.0076	0.0032	-0.0099
8520	0.080	-0.009	-0.348	0.0124	0.0067	-0.0038
8530	-0.000	0.360	-0.000	0.0076	0.0196	0.0123
8538	-0.678	0.766	0.122	0.0065	0.0340	0.0241
8539	-0.711	0.807	0.114	0.0125	0.0333	0.0203
8540	-0.704	0.851	0.059	0.0132	0.0366	0.0158
8550	-0.662	0.906	-0.071	0.0152	0.0376	0.0152
8560	-0.633	0.940	-0.157	0.0165	0.0383	0.0149
8570	-0.321	0.798	-0.056	0.0185	0.0388	0.0145
8578	-0.145	0.711	0.002	0.0187	0.0380	0.0144
8579	-0.040	0.647	0.018	0.0148	0.0258	0.0095
8580	0.000	0.597	0.004	0.0048	0.0200	-0.0002
8590	-0.000	0.586	-0.000	0.0045	0.0195	-0.0004
8600	-0.002	0.555	-0.012	0.0031	0.0182	-0.0008
8610	-0.003	0.532	-0.018	0.0030	0.0181	-0.0008
8620	-0.014	0.367	-0.049	0.0017	0.0177	-0.0007
8630	-0.015	0.345	-0.052	0.0015	0.0176	-0.0007
8640	-0.016	0.312	-0.050	-0.0022	0.0163	0.0002
8648	-0.729	0.981	-0.189	0.0159	0.0378	0.0148
8649	-0.804	1.025	-0.258	0.0048	0.0244	0.0108
8650	-0.792	1.049	-0.319	0.0006	0.0105	0.0052
8658	-0.758	1.063	-0.347	-0.0006	0.0099	0.0050
8659	-0.719	1.057	-0.361	-0.0050	0.0025	0.0015

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.702	1.022	-0.336	-0.0128	-0.0005	0.0019
8690	-0.014	0.279	-0.040	-0.0039	0.0158	0.0010
8700	-0.010	0.247	-0.027	-0.0056	0.0148	0.0019
8710	-0.007	0.227	-0.018	-0.0056	0.0148	0.0020
9120	0.011	0.314	-0.080	-0.0142	0.0117	-0.0001
9130	0.030	0.313	-0.094	-0.0315	0.0047	-0.0031
9190	0.002	0.169	0.004	-0.0028	0.0129	0.0012
9200	-0.000	0.187	-0.000	-0.0043	0.0138	0.0017
9210	-0.003	0.204	-0.008	-0.0056	0.0147	0.0020
9220	-0.006	0.224	-0.017	-0.0056	0.0148	0.0020
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
9560	0.004	0.366	0.763	-0.0004	0.0014	0.0011
9570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
10020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
10030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
10040	0.016	0.369	0.824	0.0003	0.0039	0.0065
10050	0.022	0.368	0.843	0.0004	0.0039	0.0067
10060	0.028	0.367	0.863	0.0005	0.0039	0.0069
10068	0.036	0.365	0.885	0.0023	0.0026	0.0119
10069	0.038	0.331	0.895	0.0244	-0.0115	0.0148
10070	0.068	0.283	0.841	0.0384	-0.0150	0.0279
10078	0.120	0.261	0.772	0.0384	-0.0201	0.0291
10079	0.168	0.214	0.680	0.0395	-0.0283	0.0283
10080	0.165	0.160	0.574	0.0424	-0.0490	0.0176
10090	0.019	-0.018	0.000	0.0234	-0.0399	0.0144
10100	-0.113	-0.167	-0.262	0.0059	-0.0089	0.0127
10108	-0.136	-0.191	-0.277	0.0068	-0.0080	0.0124
10109	-0.163	-0.195	-0.276	0.0112	0.0016	0.0000
10110	-0.159	-0.168	-0.244	0.0184	0.0057	-0.0122
10120	-0.158	-0.166	-0.242	0.0185	0.0058	-0.0122
10130	-0.139	-0.147	-0.213	0.0185	0.0058	-0.0122
10140	-0.027	-0.030	-0.043	0.0181	0.0060	-0.0117
10150	-0.009	-0.011	-0.015	0.0178	0.0061	-0.0115
10160	-0.000	0.000	-0.000	0.0144	0.0065	-0.0088
10170	0.010	0.037	0.023	0.0042	0.0079	-0.0026
10180	0.011	0.062	0.024	-0.0020	0.0091	0.0008
10190	0.010	0.082	0.020	-0.0022	0.0091	0.0009
10200	0.007	0.116	0.014	-0.0025	0.0092	0.0010
10210	0.041	0.126	0.060	-0.0028	0.0092	0.0010
10220	0.083	0.139	0.119	-0.0029	0.0092	0.0010
10230	0.004	0.150	0.007	-0.0026	0.0093	0.0012
10240	-0.120	-0.171	-0.240	0.0006	-0.0005	0.0109

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.110	-0.166	-0.220	-0.0083	0.0158	0.0066
10260	-0.091	-0.156	-0.205	-0.0085	0.0162	0.0065
10270	0.002	-0.107	-0.135	-0.0088	0.0172	0.0059
10280	0.022	-0.097	-0.120	-0.0088	0.0172	0.0058
10290	0.043	-0.087	-0.106	-0.0093	0.0157	-0.0080
10300	0.061	-0.076	-0.091	-0.0093	0.0155	-0.0082
10310	0.089	-0.059	-0.068	-0.0093	0.0151	-0.0086
10320	0.063	-0.041	-0.038	-0.0093	0.0146	-0.0088
10330	0.029	0.028	0.011	0.0047	0.0071	-0.0072
10338	0.144	-0.048	-0.034	0.0081	0.0030	0.0029
10339	0.146	-0.027	-0.032	0.0091	0.0013	0.0326
10340	0.108	0.001	-0.023	0.0106	0.0005	0.0496
10345	0.000	0.028	0.000	0.0108	0.0000	0.0432
10350	0.000	0.207	-0.000	-0.0233	-0.0031	-0.0379
10358	0.093	0.235	-0.062	-0.0305	-0.0036	-0.0426
10359	0.126	0.262	-0.097	-0.0352	-0.0044	-0.0318
10360	0.124	0.286	-0.113	-0.0332	0.0026	-0.0049
10370	0.123	0.286	-0.113	-0.0332	0.0027	-0.0046
10380	0.107	0.292	-0.109	-0.0332	0.0028	-0.0043
10390	0.078	0.302	-0.102	-0.0331	0.0032	-0.0038
10400	0.091	0.449	-0.047	-0.0346	0.0032	-0.0038
10410	0.128	0.854	0.097	-0.0356	0.0032	-0.0038
10420	0.048	0.310	-0.094	-0.0317	0.0037	-0.0032
10430	0.049	-0.031	-0.021	-0.0094	0.0143	-0.0090
10440	0.022	-0.016	-0.010	-0.0097	0.0066	-0.0124
10445	-0.000	0.006	-0.000	-0.0096	0.0039	-0.0136
10449	-0.129	0.173	-0.045	-0.0101	-0.0098	-0.0157
10450	-0.120	0.163	-0.077	-0.0133	-0.0095	-0.0140
10451	-0.112	0.149	-0.019	-0.0094	-0.0053	-0.0170
10460	-0.119	0.161	-0.078	-0.0133	-0.0095	-0.0140
10470	-0.106	0.143	-0.095	-0.0134	-0.0095	-0.0140
10480	-0.053	0.067	-0.167	-0.0134	-0.0094	-0.0139
10490	-0.040	0.050	-0.184	-0.0133	-0.0094	-0.0139
10500	0.000	0.000	-0.239	-0.0068	-0.0090	-0.0128
10510	0.067	0.006	-0.340	0.0060	-0.0075	-0.0107
10518	0.099	0.044	-0.398	0.0093	-0.0063	-0.0095
10519	0.111	0.078	-0.411	0.0157	0.0010	-0.0062
10520	0.114	0.115	-0.389	0.0178	0.0046	0.0001
10525	-0.000	0.434	-0.000	0.0101	0.0158	0.0105
10530	-0.048	0.485	0.034	0.0074	0.0176	0.0128
10538	-0.681	0.893	0.262	0.0142	0.0321	0.0242
10539	-0.721	0.938	0.277	0.0265	0.0294	0.0275
10540	-0.720	1.003	0.243	0.0294	0.0305	0.0290
10550	-0.611	1.259	-0.038	0.0385	0.0329	0.0280
10560	-0.582	1.322	-0.113	0.0408	0.0334	0.0274
10570	-0.309	0.980	-0.012	0.0433	0.0342	0.0246
10578	-0.152	0.781	0.046	0.0430	0.0337	0.0230
10579	-0.048	0.659	0.041	0.0291	0.0223	0.0169
10580	-0.001	0.598	0.005	0.0061	0.0149	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.586	-0.000	0.0055	0.0145	0.0002
10600	-0.001	0.555	-0.014	0.0034	0.0136	-0.0007
10610	-0.002	0.533	-0.020	0.0033	0.0136	-0.0007
10620	-0.012	0.368	-0.054	0.0018	0.0133	-0.0007
10630	-0.013	0.345	-0.057	0.0016	0.0132	-0.0007
10640	-0.014	0.313	-0.054	-0.0023	0.0123	0.0002
10648	-0.666	1.424	-0.144	0.0398	0.0329	0.0280
10649	-0.729	1.540	-0.209	0.0221	0.0210	0.0226
10650	-0.713	1.615	-0.265	0.0157	0.0100	0.0162
10658	-0.679	1.660	-0.292	0.0132	0.0097	0.0160
10659	-0.632	1.680	-0.321	0.0061	0.0015	0.0066
10660	-0.614	1.648	-0.309	-0.0127	-0.0045	-0.0036
10690	-0.013	0.280	-0.044	-0.0042	0.0118	0.0009
10700	-0.009	0.247	-0.030	-0.0061	0.0110	0.0017
10710	-0.006	0.227	-0.020	-0.0061	0.0110	0.0018
11120	0.013	0.314	-0.078	-0.0141	0.0091	-0.0001
11130	0.032	0.314	-0.089	-0.0309	0.0040	-0.0030
11190	0.002	0.169	0.004	-0.0026	0.0093	0.0012
11200	-0.000	0.187	-0.000	-0.0045	0.0101	0.0016
11210	-0.003	0.205	-0.009	-0.0061	0.0109	0.0018
11220	-0.006	0.224	-0.018	-0.0061	0.0110	0.0018
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
11560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
11570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
13560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
13570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	-0.0002	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 18 (OPE) W+T3+U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.366	0.763	-0.0004	0.0014	0.0011
15570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
17560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
17570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
18000	-0.000	0.000	-0.000	-0.0000	-0.0000	-0.0000
18010	-0.000	0.001	0.172	-0.0001	-0.0000	-0.0001
18020	-0.001	0.003	0.451	-0.0001	-0.0000	-0.0002
18022	0.067	0.002	0.451	-0.0001	0.0000	-0.0002
18025	0.067	0.002	0.451	-0.0001	0.0000	-0.0002
18027	0.089	0.001	0.450	0.0001	0.0005	-0.0007
18030	0.112	-0.000	0.449	0.0001	0.0005	-0.0007
18040	-0.002	0.007	0.726	-0.0002	-0.0000	-0.0002
18042	-0.002	0.007	0.726	-0.0002	-0.0000	-0.0002
18045	-0.002	0.008	0.748	-0.0004	-0.0002	-0.0004
18050	-0.002	0.008	0.771	-0.0004	-0.0002	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	-0.011	0.154	0.837	-0.0027	-0.0001	0.0007
19550	-0.018	0.243	0.812	-0.0027	-0.0001	0.0007
19560	-0.018	0.243	0.812	-0.0027	-0.0001	0.0007
19580	-0.018	0.253	0.809	-0.0027	0.0001	0.0009
19600	-0.020	0.270	0.805	-0.0027	0.0001	0.0009

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.005	0.359	0.782	0.0015	0.0014	0.0012
30	0.008	0.357	0.802	0.0017	0.0015	0.0014
40	0.014	0.350	0.824	0.0054	0.0036	0.0060
50	0.019	0.341	0.844	0.0055	0.0036	0.0062
60	0.025	0.332	0.863	0.0056	0.0036	0.0064
68	0.032	0.320	0.885	0.0082	0.0027	0.0110
69	0.040	0.271	0.889	0.0332	-0.0058	0.0152
70	0.078	0.216	0.817	0.0497	-0.0069	0.0301
78	0.133	0.193	0.729	0.0504	-0.0108	0.0314
79	0.188	0.142	0.614	0.0593	-0.0200	0.0338
80	0.190	0.076	0.507	0.0653	-0.0410	0.0247
90	0.044	-0.157	0.000	0.0594	-0.0402	0.0139
95	-0.040	-0.221	-0.235	0.0559	-0.0274	0.0049
100	-0.089	-0.230	-0.323	0.0539	-0.0161	-0.0009
108	-0.112	-0.226	-0.352	0.0503	-0.0151	-0.0023
109	-0.129	-0.202	-0.339	0.0446	-0.0140	-0.0104
110	-0.118	-0.169	-0.287	0.0225	-0.0190	-0.0092
120	-0.117	-0.168	-0.284	0.0223	-0.0189	-0.0092
130	-0.103	-0.148	-0.250	0.0221	-0.0188	-0.0092
140	-0.020	-0.031	-0.050	0.0210	-0.0185	-0.0086
150	-0.007	-0.011	-0.017	0.0207	-0.0184	-0.0084
160	-0.000	-0.000	-0.000	0.0161	-0.0178	-0.0065
170	0.007	0.030	0.021	0.0039	-0.0158	-0.0022
180	0.008	0.050	0.020	-0.0015	-0.0158	0.0005
190	0.008	0.069	0.018	-0.0016	-0.0158	0.0006
200	0.006	0.103	0.013	-0.0017	-0.0158	0.0007
210	-0.052	0.108	0.059	-0.0014	-0.0158	0.0007
220	-0.125	0.115	0.118	-0.0014	-0.0158	0.0007
230	0.004	0.136	0.008	-0.0020	-0.0158	0.0009
240	-0.108	-0.327	-0.302	0.0575	-0.0067	-0.0037
250	-0.107	-0.420	-0.282	0.0626	0.0121	-0.0104
260	-0.092	-0.495	-0.267	0.0627	0.0125	-0.0106
270	-0.018	-0.841	-0.197	0.0626	0.0139	-0.0115
280	-0.001	-0.916	-0.182	0.0625	0.0141	-0.0117
290	0.021	-0.982	-0.168	0.0557	0.0249	-0.0331
300	0.050	-1.046	-0.153	0.0556	0.0250	-0.0335
310	0.096	-1.147	-0.130	0.0554	0.0250	-0.0341
320	0.070	-1.078	-0.080	0.0553	0.0248	-0.0344
330	0.026	0.019	0.041	0.0027	-0.0098	-0.0092
338	0.141	-0.107	0.029	-0.0048	0.0060	-0.0027
339	0.144	-0.089	0.022	-0.0055	0.0053	0.0297
340	0.108	-0.062	0.014	-0.0063	0.0047	0.0491
345	0.000	-0.035	0.000	-0.0058	0.0030	0.0430
350	0.000	0.140	-0.000	0.0066	-0.0080	-0.0372
358	0.091	0.167	0.017	0.0096	-0.0097	-0.0409
359	0.120	0.192	0.027	0.0196	-0.0076	-0.0274
360	0.117	0.213	0.029	0.0241	-0.0056	-0.0082

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.116	0.213	0.029	0.0243	-0.0056	-0.0080
380	0.100	0.223	0.022	0.0244	-0.0056	-0.0079
390	0.070	0.242	0.009	0.0246	-0.0056	-0.0079
400	0.046	0.131	0.064	0.0261	-0.0056	-0.0079
410	-0.017	-0.176	0.208	0.0271	-0.0056	-0.0079
420	0.041	0.261	-0.004	0.0235	-0.0056	-0.0079
430	0.055	-1.038	-0.051	0.0553	0.0247	-0.0345
440	0.022	-0.948	-0.015	0.0537	0.0229	-0.0365
444	-0.000	-0.884	0.024	0.0532	0.0224	-0.0367
449	-0.118	-0.534	0.182	0.0466	0.0044	-0.0257
450	-0.122	-0.438	0.158	0.0365	-0.0094	-0.0202
451	-0.087	-0.631	0.169	0.0512	0.0191	-0.0357
460	-0.121	-0.433	0.156	0.0365	-0.0095	-0.0201
470	-0.108	-0.385	0.140	0.0364	-0.0096	-0.0201
480	-0.053	-0.178	0.068	0.0361	-0.0096	-0.0198
490	-0.041	-0.130	0.051	0.0360	-0.0096	-0.0198
500	-0.000	-0.000	-0.004	0.0199	-0.0084	-0.0165
510	0.056	0.034	-0.105	-0.0058	-0.0063	-0.0105
518	0.084	-0.010	-0.163	-0.0102	-0.0063	-0.0071
519	0.101	-0.019	-0.194	-0.0061	-0.0057	-0.0047
520	0.106	0.003	-0.203	0.0070	-0.0038	0.0032
530	0.000	0.365	-0.000	-0.0034	-0.0127	-0.0020
538	0.402	0.762	-0.552	-0.0215	-0.0227	-0.0200
539	0.457	0.766	-0.570	-0.0161	-0.0257	-0.0259
540	0.502	0.724	-0.526	-0.0128	-0.0327	-0.0268
550	0.592	0.547	-0.296	-0.0105	-0.0353	-0.0230
560	0.621	0.497	-0.215	-0.0097	-0.0363	-0.0205
570	0.325	0.567	-0.113	-0.0081	-0.0369	-0.0193
578	0.156	0.602	-0.055	-0.0075	-0.0362	-0.0187
579	0.050	0.603	-0.014	-0.0033	-0.0249	-0.0136
580	0.002	0.569	0.002	0.0028	-0.0188	-0.0020
590	0.000	0.558	-0.000	0.0030	-0.0183	-0.0018
600	-0.004	0.527	-0.010	0.0029	-0.0172	-0.0011
610	-0.006	0.504	-0.015	0.0028	-0.0172	-0.0011
620	-0.019	0.340	-0.047	0.0019	-0.0168	-0.0009
630	-0.020	0.317	-0.050	0.0018	-0.0168	-0.0009
640	-0.021	0.287	-0.050	-0.0006	-0.0156	-0.0001
648	0.712	0.472	-0.246	-0.0101	-0.0360	-0.0197
649	0.815	0.416	-0.248	-0.0124	-0.0259	-0.0188
650	0.877	0.359	-0.208	-0.0105	-0.0135	-0.0110
658	0.912	0.330	-0.173	-0.0110	-0.0128	-0.0102
659	0.945	0.302	-0.138	-0.0093	-0.0056	0.0014
660	0.978	0.271	-0.104	-0.0117	-0.0049	0.0096
670	1.050	0.180	-0.018	-0.0129	-0.0028	0.0096
680	1.082	0.137	0.027	-0.0135	-0.0018	0.0089
690	-0.019	0.257	-0.043	-0.0031	-0.0156	0.0012
700	-0.013	0.228	-0.029	-0.0058	-0.0157	0.0026
705	0.883	-0.000	-0.000	-0.0142	-0.0015	0.0087
710	-0.009	0.208	-0.020	-0.0059	-0.0157	0.0026

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.129	0.171	0.034	-0.0135	-0.0018	0.0089
730	0.201	-0.175	-0.013	-0.0164	0.0012	-0.0077
735	0.000	-0.000	-0.000	-0.0163	-0.0002	-0.0146
740	-0.334	0.530	-0.052	-0.0162	-0.0026	-0.0250
750	-0.657	1.245	-0.124	-0.0162	-0.0028	-0.0291
758	-0.705	1.355	-0.134	-0.0162	-0.0028	-0.0288
759	-0.797	1.427	-0.129	-0.0141	-0.0084	-0.0088
760	-0.798	1.367	-0.098	-0.0071	-0.0123	0.0166
770	-0.625	1.246	-0.035	-0.0055	-0.0140	0.0182
775	-0.479	1.148	-0.000	-0.0031	-0.0153	0.0182
780	-0.331	1.045	0.011	-0.0004	-0.0166	0.0171
785	-0.000	0.757	0.000	-0.0004	-0.0182	0.0085
790	0.076	0.432	0.056	-0.0039	-0.0199	0.0003
792	0.126	0.150	0.158	-0.0045	-0.0215	0.0064
795	0.179	0.043	0.201	-0.0064	-0.0215	0.0062
797	0.201	-0.000	0.224	-0.0075	-0.0215	0.0065
798	0.391	-0.328	0.493	-0.0110	-0.0214	0.0063
799	0.430	-0.391	0.492	0.0027	-0.0163	-0.0065
800	0.465	-0.370	0.419	0.0135	-0.0070	-0.0120
808	0.480	-0.340	0.392	0.0135	-0.0069	-0.0126
809	0.467	-0.255	0.332	0.0105	0.0027	-0.0128
810	0.397	-0.179	0.336	0.0077	0.0071	-0.0104
850	0.137	-0.018	0.447	0.0007	0.0007	-0.0012
860	0.114	-0.016	0.448	0.0007	0.0006	-0.0011
870	0.078	0.120	0.078	-0.0035	-0.0220	0.0084
875	0.033	0.085	-0.000	-0.0025	-0.0228	0.0098
878	-0.079	-0.014	-0.212	-0.0002	-0.0239	0.0117
879	-0.174	-0.105	-0.285	0.0060	-0.0133	0.0240
880	-0.213	-0.214	-0.239	0.0169	0.0075	0.0287
888	0.684	-1.083	0.581	0.0068	0.0183	0.0304
889	0.811	-1.021	0.596	-0.0050	0.0251	0.0345
890	0.922	-0.838	0.497	-0.0075	0.0262	0.0365
899	0.919	-0.653	0.363	-0.0077	0.0245	0.0305
900	0.824	-0.539	0.278	-0.0089	0.0240	0.0213
902	-0.000	-0.000	0.000	-0.0022	0.0176	0.0190
905	-0.654	0.444	-0.000	-0.0018	0.0122	0.0179
908	-0.886	0.614	-0.047	-0.0048	0.0101	0.0162
909	-0.895	0.681	-0.112	-0.0116	0.0110	-0.0029
910	-0.817	0.649	-0.169	-0.0099	0.0023	-0.0190
920	-0.671	0.424	-0.183	-0.0114	0.0000	-0.0194
925	0.000	-0.261	-0.000	-0.0144	-0.0019	-0.0058
930	0.209	-0.322	0.003	-0.0153	0.0006	-0.0018
935	0.888	-0.000	-0.000	-0.0132	-0.0007	0.0099
940	1.091	0.158	0.014	-0.0126	-0.0011	0.0100
950	1.139	0.196	0.019	-0.0126	-0.0011	0.0100
960	-0.389	1.041	0.054	0.0015	-0.0178	0.0154
968	-0.436	1.035	0.087	0.0024	-0.0183	0.0140
969	-0.505	1.031	0.132	0.0090	-0.0174	0.0106
970	-0.531	1.055	0.171	0.0071	-0.0118	-0.0069

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.318	1.264	0.254	0.0004	-0.0121	-0.0212
979	-0.173	1.235	0.223	-0.0281	-0.0012	-0.0746
980	-0.029	0.961	0.163	-0.0385	0.0140	-0.1273
985	0.107	-0.450	-0.000	-0.0510	0.0185	-0.1376
988	0.294	-2.496	-0.309	-0.0683	0.0210	-0.1418
989	0.342	-2.781	-0.332	-0.0827	0.0037	-0.1208
990	0.336	-2.621	-0.293	-0.1259	-0.0168	-0.1038
1000	0.192	-1.597	-0.194	-0.1364	-0.0194	-0.0997
1010	0.166	-1.415	-0.177	-0.1384	-0.0197	-0.0991
1012	0.134	-1.192	-0.157	-0.1386	-0.0197	-0.0990
1016	-0.002	-0.237	-0.070	-0.1392	-0.0198	-0.0988
1020	-0.034	-0.013	-0.049	-0.1393	-0.0198	-0.0988
1029	-0.067	0.318	0.005	-0.1668	-0.0120	-0.0885
1030	-0.039	0.276	0.029	-0.1699	0.0086	-0.0886
1035	0.000	-0.000	-0.000	-0.1706	0.0111	-0.0906
1040	0.040	-0.291	-0.042	-0.1712	0.0134	-0.0926
1045	0.078	-0.440	-0.073	-0.1726	0.0145	-0.0933
1050	0.095	-0.570	-0.093	-0.1727	0.0145	-0.0933
1070	0.228	-0.132	-0.069	-0.0169	0.0007	-0.0087
1080	1.055	0.201	-0.027	-0.0120	-0.0021	0.0107
1090	0.218	-0.279	-0.051	-0.0164	0.0001	-0.0033
1100	-0.559	1.288	-0.179	-0.0158	-0.0034	-0.0287
1110	-0.602	0.467	-0.223	-0.0122	0.0001	-0.0206
1120	0.006	0.281	-0.023	0.0090	-0.0104	-0.0043
1130	0.025	0.271	-0.011	0.0228	-0.0058	-0.0078
1190	0.002	0.156	0.004	-0.0021	-0.0158	0.0009
1200	-0.000	0.171	-0.000	-0.0043	-0.0157	0.0019
1210	-0.004	0.186	-0.009	-0.0059	-0.0157	0.0026
1220	-0.008	0.205	-0.018	-0.0059	-0.0157	0.0026
1230	0.003	-0.026	0.771	0.0012	0.0001	-0.0006
1240	0.003	-0.029	0.795	0.0014	0.0001	-0.0006
1248	0.015	-0.145	1.004	0.0103	0.0019	-0.0072
1249	0.028	-0.271	1.014	0.0314	0.0073	-0.0088
1250	-0.033	-0.401	0.867	0.0394	0.0041	-0.0241
1258	-0.341	-0.560	0.391	0.0388	0.0073	-0.0267
1259	-0.476	-0.693	0.213	0.0327	0.0071	-0.0406
1260	-0.501	-0.931	0.103	0.0332	0.0143	-0.0468
1268	-0.280	-1.738	-0.157	0.0287	0.0156	-0.0452
1269	-0.157	-1.885	-0.190	0.0239	0.0218	-0.0252
1270	-0.063	-1.862	-0.157	0.0096	0.0267	-0.0047
1275	0.000	-1.617	-0.000	0.0062	0.0267	-0.0018
1280	0.043	-1.262	0.158	0.0069	0.0267	-0.0016
1285	0.047	-1.239	0.170	0.0069	0.0267	-0.0016
1290	0.050	-1.216	0.183	0.0069	0.0267	-0.0016
1300	0.050	-1.211	0.186	0.0070	0.0267	-0.0016
1310	0.051	-1.206	0.189	0.0071	0.0267	-0.0016
1315	0.054	-1.183	0.202	0.0071	0.0267	-0.0016
1320	0.058	-1.160	0.215	0.0072	0.0267	-0.0017
1325	0.153	-0.841	0.458	0.0109	0.0268	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.230	-0.712	0.572	0.0108	0.0268	-0.0087
1329	0.308	-0.601	0.658	0.0030	0.0239	-0.0350
1330	0.332	-0.363	0.754	-0.0016	0.0157	-0.0510
1338	0.280	-0.149	0.820	-0.0024	0.0151	-0.0510
1339	0.140	0.038	0.867	0.0004	0.0039	-0.0337
1340	0.033	0.025	0.864	0.0019	0.0008	-0.0009
1350	0.033	0.021	0.864	0.0019	0.0007	-0.0008
1360	0.031	-0.002	0.860	0.0019	0.0006	-0.0008
1373	0.129	-0.817	-0.132	-0.1730	0.0142	-0.0928
1376	0.091	-1.288	-0.166	-0.1730	0.0138	-0.0921
1380	0.074	-1.509	-0.182	-0.1730	0.0136	-0.0917
1390	0.054	-1.815	-0.205	-0.1701	0.0094	-0.0831
1392	0.041	-2.051	-0.223	-0.1700	0.0093	-0.0829
1396	-0.011	-3.013	-0.295	-0.1693	0.0090	-0.0820
1400	-0.023	-3.247	-0.312	-0.1691	0.0089	-0.0817
1410	-0.063	-4.177	-0.386	-0.1527	0.0057	-0.0631
1418	-0.077	-4.581	-0.420	-0.1454	0.0051	-0.0543
1419	-0.111	-4.813	-0.361	-0.0885	-0.0107	-0.0390
1420	-0.131	-4.892	-0.257	-0.0361	-0.0248	0.0038
1425	0.000	-5.014	0.000	-0.0192	-0.0235	0.0218
1428	0.690	-5.366	0.256	-0.0063	-0.0198	0.0092
1429	0.650	-5.370	0.257	-0.0109	-0.0177	-0.0457
1430	0.576	-5.237	0.238	-0.0134	-0.0133	-0.1017
1435	-0.002	-0.000	-0.000	-0.0294	0.0012	-0.0743
1438	-0.074	0.362	0.007	-0.0313	0.0012	-0.0567
1439	-0.080	0.423	-0.017	-0.0379	0.0026	-0.0270
1440	-0.071	0.405	-0.083	-0.0367	0.0089	-0.0168
1448	-0.060	0.370	-0.153	-0.0350	0.0085	-0.0153
1449	-0.054	0.364	-0.186	-0.0210	0.0106	-0.0111
1450	-0.048	0.373	-0.202	-0.0053	0.0113	-0.0055
1455	0.000	0.645	0.000	0.0218	0.0077	-0.0016
1458	0.004	0.672	0.052	0.0224	0.0074	-0.0019
1459	0.006	0.705	0.072	0.0017	0.0057	-0.0055
1460	0.003	0.684	0.041	-0.0327	0.0027	-0.0071
1470	-0.100	-0.228	-0.507	0.0319	0.0041	-0.0152
1480	-0.108	-0.166	-0.529	0.0388	0.0044	-0.0155
1490	-0.116	-0.088	-0.551	0.0462	0.0047	-0.0158
1495	-0.091	-0.069	-0.471	0.0531	0.0047	-0.0160
1497	-0.062	-0.046	-0.362	0.0701	0.0047	-0.0164
1498	-0.440	0.074	-0.895	-0.0171	0.0122	-0.0214
1499	-0.444	0.049	-0.911	-0.0162	0.0071	-0.0214
1500	-0.000	0.000	-0.000	0.1079	0.0047	-0.0173
1504	-0.125	-0.005	-0.574	0.0447	0.0051	-0.0159
1505	-0.434	0.023	-0.919	-0.0156	0.0013	-0.0211
1506	-0.134	0.071	-0.597	0.0405	0.0060	-0.0160
1508	0.040	-0.061	-0.065	0.0010	-0.0421	0.0189
1509	0.044	-0.037	-0.024	0.0019	-0.0432	0.0210
1510	0.029	-0.016	-0.004	0.0032	-0.0437	0.0221
1520	0.000	-0.000	-0.000	0.0033	-0.0437	0.0222

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.005	0.359	0.782	0.0015	0.0013	0.0012
2030	0.008	0.357	0.802	0.0017	0.0015	0.0014
2040	0.013	0.350	0.824	0.0054	0.0035	0.0059
2050	0.019	0.341	0.844	0.0055	0.0035	0.0061
2060	0.025	0.332	0.863	0.0057	0.0036	0.0063
2068	0.032	0.320	0.885	0.0082	0.0027	0.0109
2069	0.039	0.271	0.889	0.0331	-0.0058	0.0151
2070	0.077	0.216	0.817	0.0497	-0.0068	0.0299
2078	0.132	0.193	0.729	0.0504	-0.0107	0.0312
2079	0.187	0.142	0.614	0.0596	-0.0200	0.0338
2080	0.188	0.076	0.507	0.0657	-0.0410	0.0248
2090	0.042	-0.159	-0.000	0.0602	-0.0405	0.0140
2100	-0.091	-0.232	-0.326	0.0553	-0.0157	-0.0012
2108	-0.114	-0.227	-0.353	0.0511	-0.0142	-0.0027
2109	-0.130	-0.202	-0.335	0.0456	-0.0094	-0.0109
2110	-0.119	-0.169	-0.278	0.0218	-0.0136	-0.0093
2120	-0.118	-0.168	-0.275	0.0216	-0.0134	-0.0093
2130	-0.103	-0.148	-0.242	0.0215	-0.0133	-0.0092
2140	-0.020	-0.031	-0.048	0.0203	-0.0128	-0.0087
2150	-0.007	-0.011	-0.017	0.0200	-0.0127	-0.0085
2160	-0.000	-0.000	-0.000	0.0156	-0.0117	-0.0065
2170	0.007	0.030	0.020	0.0038	-0.0085	-0.0023
2180	0.008	0.050	0.019	-0.0014	-0.0072	0.0005
2190	0.008	0.070	0.017	-0.0016	-0.0072	0.0006
2200	0.006	0.103	0.012	-0.0016	-0.0071	0.0007
2210	-0.020	0.108	0.058	-0.0014	-0.0071	0.0007
2220	-0.053	0.114	0.117	-0.0013	-0.0071	0.0007
2230	0.004	0.136	0.007	-0.0019	-0.0070	0.0009
2240	-0.109	-0.332	-0.304	0.0598	-0.0064	-0.0041
2250	-0.107	-0.430	-0.285	0.0668	0.0121	-0.0110
2260	-0.093	-0.510	-0.269	0.0669	0.0126	-0.0112
2270	-0.018	-0.880	-0.199	0.0670	0.0140	-0.0120
2280	-0.001	-0.960	-0.184	0.0669	0.0141	-0.0122
2290	0.021	-1.032	-0.170	0.0602	0.0251	-0.0343
2300	0.049	-1.100	-0.156	0.0601	0.0252	-0.0346
2310	0.096	-1.210	-0.133	0.0599	0.0251	-0.0353
2320	0.070	-1.138	-0.082	0.0597	0.0250	-0.0355
2330	0.026	0.019	0.030	0.0030	-0.0046	-0.0101
2338	0.140	-0.129	0.011	-0.0020	0.0042	-0.0051
2339	0.145	-0.113	0.007	-0.0020	0.0023	0.0287
2340	0.109	-0.086	0.005	-0.0021	0.0012	0.0493
2345	0.000	-0.059	0.000	-0.0017	-0.0006	0.0432
2350	0.000	0.116	-0.000	-0.0005	-0.0128	-0.0368
2358	0.089	0.143	-0.002	0.0012	-0.0147	-0.0406
2359	0.120	0.169	-0.001	0.0141	-0.0115	-0.0285
2360	0.117	0.191	-0.002	0.0216	-0.0047	-0.0106
2370	0.116	0.192	-0.002	0.0219	-0.0046	-0.0104
2380	0.100	0.205	-0.008	0.0221	-0.0046	-0.0104
2390	0.070	0.229	-0.019	0.0224	-0.0043	-0.0103

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.051	0.129	0.036	0.0239	-0.0043	-0.0103
2410	0.002	-0.153	0.181	0.0249	-0.0043	-0.0103
2420	0.041	0.253	-0.029	0.0213	-0.0041	-0.0103
2430	0.055	-1.097	-0.053	0.0596	0.0249	-0.0357
2440	0.022	-1.002	-0.017	0.0574	0.0231	-0.0383
2445	-0.000	-0.935	0.023	0.0568	0.0226	-0.0388
2449	-0.119	-0.558	0.183	0.0496	0.0047	-0.0295
2450	-0.123	-0.455	0.159	0.0380	-0.0094	-0.0237
2451	-0.087	-0.664	0.169	0.0542	0.0193	-0.0386
2460	-0.121	-0.450	0.157	0.0380	-0.0095	-0.0236
2470	-0.109	-0.399	0.141	0.0379	-0.0095	-0.0236
2480	-0.055	-0.184	0.069	0.0376	-0.0096	-0.0234
2490	-0.042	-0.134	0.052	0.0374	-0.0096	-0.0233
2500	-0.000	-0.000	-0.003	0.0203	-0.0090	-0.0203
2510	0.065	0.029	-0.104	-0.0072	-0.0076	-0.0147
2518	0.099	-0.022	-0.162	-0.0120	-0.0074	-0.0116
2519	0.119	-0.036	-0.195	-0.0087	-0.0044	-0.0084
2520	0.129	-0.016	-0.209	0.0047	-0.0015	0.0005
2530	0.000	0.346	-0.000	0.0015	-0.0037	0.0055
2538	-0.010	0.745	-0.273	-0.0130	-0.0064	-0.0079
2539	0.029	0.753	-0.294	-0.0142	-0.0065	-0.0232
2540	0.075	0.707	-0.293	-0.0143	-0.0075	-0.0330
2550	0.162	0.481	-0.241	-0.0149	-0.0079	-0.0305
2560	0.191	0.414	-0.223	-0.0150	-0.0080	-0.0278
2570	0.125	0.528	-0.121	-0.0136	-0.0086	-0.0233
2578	0.084	0.588	-0.063	-0.0129	-0.0090	-0.0207
2579	0.037	0.601	-0.018	-0.0060	-0.0070	-0.0170
2580	0.002	0.569	0.002	0.0024	-0.0026	-0.0026
2590	0.000	0.558	-0.000	0.0026	-0.0027	-0.0022
2600	-0.004	0.527	-0.009	0.0026	-0.0030	-0.0012
2610	-0.006	0.504	-0.014	0.0025	-0.0030	-0.0011
2620	-0.019	0.340	-0.042	0.0016	-0.0031	-0.0009
2630	-0.021	0.317	-0.045	0.0015	-0.0031	-0.0008
2640	-0.022	0.287	-0.044	-0.0005	-0.0035	-0.0001
2648	0.211	0.375	-0.255	-0.0155	-0.0078	-0.0280
2649	0.244	0.291	-0.283	-0.0196	-0.0058	-0.0294
2650	0.286	0.184	-0.284	-0.0199	-0.0040	-0.0290
2658	0.320	0.105	-0.274	-0.0200	-0.0038	-0.0287
2659	0.328	0.017	-0.244	-0.0190	-0.0012	-0.0210
2660	0.298	-0.040	-0.192	-0.0175	-0.0002	-0.0107
2690	-0.019	0.257	-0.038	-0.0028	-0.0040	0.0012
2700	-0.013	0.228	-0.026	-0.0052	-0.0049	0.0026
2710	-0.009	0.209	-0.018	-0.0053	-0.0050	0.0027
3120	0.005	0.279	-0.038	0.0082	-0.0031	-0.0054
3130	0.024	0.267	-0.034	0.0207	-0.0040	-0.0101
3190	0.002	0.156	0.004	-0.0020	-0.0069	0.0010
3200	-0.000	0.171	-0.000	-0.0039	-0.0060	0.0020
3210	-0.004	0.186	-0.008	-0.0053	-0.0050	0.0027
3220	-0.008	0.206	-0.016	-0.0053	-0.0050	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.005	0.359	0.782	0.0015	0.0014	0.0012
4030	0.008	0.357	0.802	0.0017	0.0015	0.0014
4040	0.014	0.350	0.824	0.0054	0.0036	0.0060
4050	0.019	0.341	0.844	0.0055	0.0036	0.0062
4060	0.025	0.332	0.863	0.0056	0.0036	0.0064
4068	0.032	0.320	0.885	0.0082	0.0027	0.0110
4069	0.040	0.271	0.889	0.0332	-0.0058	0.0152
4070	0.078	0.216	0.817	0.0497	-0.0069	0.0301
4078	0.133	0.193	0.729	0.0504	-0.0108	0.0314
4079	0.188	0.142	0.614	0.0594	-0.0200	0.0338
4080	0.190	0.076	0.506	0.0654	-0.0410	0.0247
4090	0.044	-0.157	0.000	0.0594	-0.0402	0.0139
4100	-0.089	-0.230	-0.323	0.0540	-0.0161	-0.0009
4108	-0.112	-0.226	-0.352	0.0504	-0.0151	-0.0023
4109	-0.129	-0.202	-0.339	0.0447	-0.0140	-0.0105
4110	-0.118	-0.169	-0.287	0.0225	-0.0190	-0.0092
4120	-0.117	-0.168	-0.284	0.0223	-0.0189	-0.0092
4130	-0.103	-0.148	-0.250	0.0221	-0.0188	-0.0092
4140	-0.020	-0.031	-0.050	0.0210	-0.0185	-0.0086
4150	-0.007	-0.011	-0.017	0.0207	-0.0184	-0.0084
4160	-0.000	-0.000	-0.000	0.0161	-0.0178	-0.0065
4170	0.007	0.030	0.021	0.0039	-0.0158	-0.0022
4180	0.008	0.050	0.020	-0.0015	-0.0158	0.0005
4190	0.008	0.069	0.018	-0.0016	-0.0158	0.0006
4200	0.006	0.103	0.013	-0.0017	-0.0158	0.0007
4210	-0.052	0.108	0.059	-0.0014	-0.0158	0.0007
4220	-0.125	0.115	0.118	-0.0014	-0.0158	0.0007
4230	0.004	0.136	0.008	-0.0020	-0.0158	0.0009
4240	-0.108	-0.327	-0.302	0.0576	-0.0067	-0.0037
4250	-0.107	-0.420	-0.282	0.0627	0.0121	-0.0104
4260	-0.092	-0.495	-0.267	0.0628	0.0125	-0.0106
4270	-0.018	-0.843	-0.197	0.0627	0.0139	-0.0114
4280	-0.001	-0.917	-0.182	0.0627	0.0141	-0.0116
4290	0.021	-0.984	-0.168	0.0559	0.0250	-0.0330
4300	0.050	-1.047	-0.154	0.0558	0.0251	-0.0334
4310	0.096	-1.149	-0.130	0.0556	0.0250	-0.0340
4320	0.070	-1.080	-0.080	0.0555	0.0248	-0.0343
4330	0.026	0.020	0.041	0.0027	-0.0098	-0.0091
4338	0.141	-0.105	0.029	-0.0048	0.0060	-0.0025
4339	0.144	-0.087	0.022	-0.0055	0.0053	0.0298
4340	0.108	-0.060	0.014	-0.0063	0.0047	0.0491
4345	0.000	-0.033	0.000	-0.0058	0.0030	0.0430
4350	0.000	0.142	-0.000	0.0066	-0.0080	-0.0372
4358	0.091	0.169	0.017	0.0096	-0.0097	-0.0410
4359	0.121	0.194	0.027	0.0196	-0.0077	-0.0273
4360	0.117	0.215	0.029	0.0241	-0.0056	-0.0079
4370	0.116	0.215	0.029	0.0243	-0.0056	-0.0078
4380	0.100	0.225	0.022	0.0244	-0.0056	-0.0077
4390	0.070	0.243	0.009	0.0246	-0.0056	-0.0077

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.046	0.133	0.063	0.0261	-0.0056	-0.0077
4410	-0.017	-0.175	0.208	0.0271	-0.0056	-0.0077
4420	0.041	0.261	-0.004	0.0235	-0.0056	-0.0077
4430	0.055	-1.040	-0.051	0.0554	0.0248	-0.0344
4440	0.022	-0.951	-0.015	0.0539	0.0230	-0.0364
4445	-0.000	-0.886	0.024	0.0533	0.0224	-0.0366
4449	-0.118	-0.538	0.183	0.0468	0.0044	-0.0256
4450	-0.122	-0.441	0.158	0.0368	-0.0094	-0.0202
4451	-0.087	-0.635	0.169	0.0514	0.0191	-0.0356
4460	-0.121	-0.436	0.157	0.0367	-0.0095	-0.0201
4470	-0.108	-0.387	0.140	0.0367	-0.0096	-0.0200
4480	-0.053	-0.180	0.068	0.0364	-0.0096	-0.0198
4490	-0.041	-0.131	0.051	0.0362	-0.0096	-0.0197
4500	-0.000	-0.000	-0.003	0.0202	-0.0084	-0.0165
4510	0.056	0.036	-0.105	-0.0056	-0.0063	-0.0105
4518	0.084	-0.006	-0.163	-0.0099	-0.0063	-0.0071
4519	0.101	-0.015	-0.194	-0.0060	-0.0057	-0.0047
4520	0.106	0.007	-0.203	0.0071	-0.0038	0.0032
4530	0.000	0.369	-0.000	-0.0034	-0.0126	-0.0020
4538	0.398	0.765	-0.549	-0.0213	-0.0224	-0.0198
4539	0.452	0.770	-0.566	-0.0157	-0.0255	-0.0256
4540	0.497	0.729	-0.523	-0.0123	-0.0325	-0.0263
4550	0.587	0.555	-0.294	-0.0099	-0.0350	-0.0225
4560	0.616	0.506	-0.213	-0.0091	-0.0360	-0.0200
4570	0.322	0.571	-0.112	-0.0075	-0.0366	-0.0189
4578	0.155	0.604	-0.054	-0.0069	-0.0360	-0.0183
4579	0.049	0.603	-0.013	-0.0028	-0.0247	-0.0133
4580	0.002	0.569	0.002	0.0029	-0.0187	-0.0020
4590	0.000	0.558	-0.000	0.0030	-0.0183	-0.0018
4600	-0.004	0.527	-0.010	0.0029	-0.0172	-0.0011
4610	-0.006	0.504	-0.015	0.0028	-0.0171	-0.0011
4620	-0.019	0.340	-0.047	0.0019	-0.0168	-0.0009
4630	-0.020	0.317	-0.050	0.0018	-0.0167	-0.0009
4640	-0.021	0.287	-0.050	-0.0006	-0.0156	-0.0001
4648	0.706	0.483	-0.245	-0.0095	-0.0357	-0.0192
4649	0.809	0.429	-0.246	-0.0118	-0.0258	-0.0182
4650	0.870	0.375	-0.208	-0.0100	-0.0134	-0.0102
4658	0.905	0.347	-0.173	-0.0104	-0.0126	-0.0095
4659	0.940	0.322	-0.139	-0.0087	-0.0052	0.0024
4660	0.976	0.293	-0.108	-0.0109	-0.0043	0.0107
4690	-0.019	0.257	-0.043	-0.0031	-0.0156	0.0012
4700	-0.013	0.228	-0.029	-0.0059	-0.0157	0.0026
4710	-0.009	0.208	-0.020	-0.0059	-0.0157	0.0026
5120	0.005	0.281	-0.023	0.0090	-0.0104	-0.0042
5130	0.025	0.271	-0.012	0.0228	-0.0058	-0.0076
5190	0.002	0.156	0.004	-0.0021	-0.0158	0.0009
5200	-0.000	0.171	-0.000	-0.0044	-0.0157	0.0019
5210	-0.004	0.186	-0.009	-0.0059	-0.0157	0.0026
5220	-0.008	0.205	-0.018	-0.0059	-0.0157	0.0026

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.005	0.359	0.782	0.0015	0.0013	0.0012
6030	0.008	0.357	0.802	0.0017	0.0015	0.0014
6040	0.013	0.350	0.824	0.0054	0.0035	0.0060
6050	0.019	0.341	0.843	0.0055	0.0035	0.0062
6060	0.025	0.332	0.863	0.0057	0.0035	0.0064
6068	0.032	0.320	0.885	0.0082	0.0026	0.0110
6069	0.038	0.271	0.889	0.0328	-0.0065	0.0151
6070	0.075	0.216	0.819	0.0486	-0.0076	0.0299
6078	0.130	0.194	0.732	0.0492	-0.0117	0.0313
6079	0.185	0.143	0.619	0.0574	-0.0207	0.0339
6080	0.187	0.076	0.513	0.0631	-0.0416	0.0249
6090	0.041	-0.158	0.000	0.0562	-0.0405	0.0140
6100	-0.092	-0.231	-0.322	0.0499	-0.0152	-0.0011
6108	-0.115	-0.226	-0.348	0.0463	-0.0138	-0.0026
6109	-0.132	-0.202	-0.332	0.0420	-0.0082	-0.0107
6110	-0.120	-0.169	-0.277	0.0217	-0.0114	-0.0094
6120	-0.119	-0.168	-0.274	0.0215	-0.0113	-0.0094
6130	-0.105	-0.148	-0.241	0.0214	-0.0112	-0.0093
6140	-0.021	-0.031	-0.048	0.0203	-0.0107	-0.0088
6150	-0.007	-0.011	-0.017	0.0200	-0.0106	-0.0086
6160	-0.000	-0.000	-0.000	0.0155	-0.0096	-0.0066
6170	0.007	0.030	0.020	0.0038	-0.0067	-0.0023
6180	0.009	0.050	0.019	-0.0014	-0.0054	0.0005
6190	0.008	0.069	0.017	-0.0016	-0.0054	0.0006
6200	0.006	0.103	0.012	-0.0016	-0.0053	0.0008
6210	-0.013	0.108	0.058	-0.0013	-0.0053	0.0008
6220	-0.038	0.114	0.117	-0.0013	-0.0053	0.0008
6230	0.004	0.136	0.007	-0.0019	-0.0052	0.0009
6240	-0.109	-0.320	-0.300	0.0531	-0.0061	-0.0042
6250	-0.107	-0.407	-0.281	0.0577	0.0123	-0.0115
6260	-0.092	-0.476	-0.265	0.0578	0.0127	-0.0117
6270	-0.018	-0.795	-0.195	0.0577	0.0141	-0.0126
6280	-0.001	-0.864	-0.180	0.0576	0.0142	-0.0128
6290	0.021	-0.924	-0.166	0.0493	0.0248	-0.0360
6300	0.050	-0.980	-0.152	0.0491	0.0249	-0.0364
6310	0.095	-1.070	-0.129	0.0489	0.0248	-0.0370
6320	0.070	-0.995	-0.079	0.0488	0.0247	-0.0373
6330	0.026	0.018	0.028	0.0030	-0.0034	-0.0102
6338	0.141	-0.131	0.008	-0.0014	0.0037	-0.0053
6339	0.145	-0.115	0.005	-0.0013	0.0016	0.0287
6340	0.109	-0.088	0.003	-0.0013	0.0005	0.0493
6345	0.000	-0.061	0.000	-0.0009	-0.0014	0.0433
6350	0.000	0.114	-0.000	-0.0015	-0.0135	-0.0367
6358	0.089	0.141	-0.004	-0.0000	-0.0154	-0.0406
6359	0.120	0.167	-0.005	0.0133	-0.0120	-0.0286
6360	0.117	0.189	-0.006	0.0213	-0.0045	-0.0108
6370	0.116	0.190	-0.007	0.0216	-0.0044	-0.0106
6380	0.100	0.203	-0.012	0.0217	-0.0044	-0.0106
6390	0.070	0.228	-0.022	0.0221	-0.0041	-0.0105

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.052	0.129	0.032	0.0236	-0.0041	-0.0105
6410	0.005	-0.150	0.177	0.0246	-0.0041	-0.0105
6420	0.041	0.253	-0.032	0.0210	-0.0038	-0.0105
6430	0.055	-0.951	-0.050	0.0487	0.0246	-0.0375
6440	0.022	-0.859	-0.015	0.0467	0.0228	-0.0398
6445	-0.000	-0.789	0.025	0.0461	0.0223	-0.0401
6449	-0.118	-0.414	0.183	0.0390	0.0046	-0.0297
6450	-0.123	-0.330	0.159	0.0282	-0.0094	-0.0241
6451	-0.087	-0.512	0.170	0.0436	0.0191	-0.0393
6460	-0.121	-0.326	0.157	0.0281	-0.0094	-0.0240
6470	-0.109	-0.289	0.141	0.0281	-0.0095	-0.0240
6480	-0.055	-0.130	0.069	0.0277	-0.0096	-0.0238
6490	-0.042	-0.093	0.052	0.0276	-0.0096	-0.0238
6500	-0.000	-0.000	-0.003	0.0113	-0.0091	-0.0207
6510	0.067	-0.037	-0.104	-0.0146	-0.0078	-0.0151
6518	0.102	-0.120	-0.163	-0.0186	-0.0076	-0.0119
6519	0.122	-0.143	-0.199	-0.0124	-0.0047	-0.0088
6520	0.133	-0.126	-0.217	0.0037	-0.0018	0.0003
6530	-0.000	0.237	-0.000	0.0027	-0.0039	0.0063
6538	-0.053	0.635	-0.251	-0.0138	-0.0064	-0.0065
6539	-0.016	0.645	-0.277	-0.0181	-0.0055	-0.0224
6540	0.029	0.600	-0.282	-0.0193	-0.0052	-0.0330
6550	0.116	0.373	-0.246	-0.0214	-0.0054	-0.0307
6560	0.145	0.305	-0.234	-0.0220	-0.0053	-0.0282
6570	0.101	0.476	-0.133	-0.0207	-0.0057	-0.0234
6578	0.074	0.569	-0.075	-0.0199	-0.0061	-0.0206
6579	0.034	0.597	-0.023	-0.0098	-0.0047	-0.0170
6580	0.002	0.569	0.002	0.0021	-0.0005	-0.0026
6590	0.000	0.558	-0.000	0.0024	-0.0007	-0.0022
6600	-0.004	0.527	-0.009	0.0025	-0.0011	-0.0012
6610	-0.006	0.504	-0.013	0.0025	-0.0011	-0.0011
6620	-0.019	0.340	-0.041	0.0016	-0.0013	-0.0009
6630	-0.021	0.317	-0.043	0.0015	-0.0013	-0.0008
6640	-0.022	0.287	-0.043	-0.0005	-0.0017	-0.0001
6648	0.158	0.248	-0.266	-0.0224	-0.0053	-0.0285
6649	0.187	0.146	-0.295	-0.0252	-0.0058	-0.0297
6650	0.230	0.033	-0.293	-0.0250	-0.0063	-0.0290
6658	0.265	-0.047	-0.276	-0.0248	-0.0063	-0.0287
6659	0.274	-0.133	-0.234	-0.0231	-0.0031	-0.0194
6660	0.253	-0.187	-0.174	-0.0179	-0.0009	-0.0060
6690	-0.019	0.257	-0.037	-0.0027	-0.0022	0.0012
6700	-0.013	0.228	-0.025	-0.0051	-0.0032	0.0026
6710	-0.009	0.208	-0.017	-0.0051	-0.0032	0.0027
7120	0.005	0.279	-0.040	0.0081	-0.0020	-0.0055
7130	0.024	0.266	-0.036	0.0205	-0.0037	-0.0103
7190	0.002	0.156	0.004	-0.0020	-0.0051	0.0010
7200	-0.000	0.171	-0.000	-0.0039	-0.0042	0.0020
7210	-0.004	0.186	-0.008	-0.0051	-0.0033	0.0027
7220	-0.008	0.205	-0.016	-0.0051	-0.0032	0.0027

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
7510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
7520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	0.0000	0.0000	0.0000
7550	0.001	0.364	0.727	0.0004	0.0004	0.0002
7560	0.003	0.362	0.763	0.0013	0.0012	0.0010
7570	0.005	0.359	0.782	0.0015	0.0014	0.0012
8020	0.005	0.359	0.782	0.0015	0.0014	0.0012
8030	0.008	0.357	0.802	0.0016	0.0015	0.0014
8040	0.014	0.350	0.824	0.0052	0.0036	0.0061
8050	0.020	0.342	0.843	0.0053	0.0036	0.0063
8060	0.025	0.334	0.863	0.0054	0.0036	0.0065
8068	0.033	0.322	0.885	0.0079	0.0026	0.0113
8069	0.039	0.273	0.889	0.0323	-0.0071	0.0153
8070	0.076	0.219	0.820	0.0475	-0.0085	0.0302
8078	0.132	0.197	0.736	0.0480	-0.0127	0.0315
8079	0.187	0.146	0.626	0.0549	-0.0216	0.0338
8080	0.188	0.080	0.520	0.0601	-0.0425	0.0243
8090	0.043	-0.149	0.000	0.0511	-0.0402	0.0139
8100	-0.090	-0.226	-0.310	0.0429	-0.0136	-0.0002
8108	-0.114	-0.224	-0.333	0.0397	-0.0120	-0.0015
8109	-0.131	-0.202	-0.316	0.0371	-0.0040	-0.0098
8110	-0.121	-0.169	-0.263	0.0205	-0.0056	-0.0094
8120	-0.119	-0.168	-0.260	0.0204	-0.0055	-0.0094
8130	-0.105	-0.148	-0.229	0.0203	-0.0054	-0.0093
8140	-0.021	-0.031	-0.046	0.0193	-0.0048	-0.0088
8150	-0.007	-0.011	-0.016	0.0190	-0.0047	-0.0086
8160	-0.000	-0.000	-0.000	0.0148	-0.0037	-0.0066
8170	0.007	0.030	0.019	0.0036	-0.0004	-0.0023
8180	0.008	0.050	0.018	-0.0014	0.0015	0.0005
8190	0.008	0.070	0.016	-0.0015	0.0016	0.0006
8200	0.006	0.103	0.011	-0.0015	0.0017	0.0007
8210	0.012	0.108	0.057	-0.0012	0.0017	0.0007
8220	0.020	0.113	0.117	-0.0012	0.0017	0.0007
8230	0.003	0.137	0.007	-0.0018	0.0019	0.0009
8240	-0.105	-0.303	-0.288	0.0451	-0.0047	-0.0032
8250	-0.101	-0.375	-0.268	0.0476	0.0131	-0.0103
8260	-0.085	-0.432	-0.253	0.0476	0.0135	-0.0105
8270	-0.007	-0.695	-0.183	0.0474	0.0147	-0.0114
8280	0.011	-0.751	-0.168	0.0473	0.0148	-0.0116
8290	0.032	-0.800	-0.154	0.0406	0.0204	-0.0344
8300	0.055	-0.846	-0.140	0.0405	0.0204	-0.0347
8310	0.093	-0.920	-0.117	0.0404	0.0202	-0.0354
8320	0.067	-0.849	-0.076	0.0404	0.0200	-0.0356
8330	0.026	0.018	0.018	0.0032	0.0011	-0.0111
8338	0.140	-0.152	-0.007	0.0009	0.0020	-0.0076

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.145	-0.138	-0.007	0.0015	-0.0011	0.0276
8340	0.110	-0.111	-0.005	0.0022	-0.0025	0.0495
8345	0.000	-0.084	0.000	0.0023	-0.0045	0.0436
8350	0.000	0.091	-0.000	-0.0069	-0.0174	-0.0374
8358	0.091	0.118	-0.018	-0.0064	-0.0194	-0.0415
8359	0.123	0.144	-0.026	0.0090	-0.0152	-0.0306
8360	0.121	0.169	-0.030	0.0192	-0.0041	-0.0131
8370	0.120	0.170	-0.031	0.0196	-0.0040	-0.0129
8380	0.104	0.186	-0.036	0.0198	-0.0039	-0.0128
8390	0.074	0.216	-0.045	0.0202	-0.0035	-0.0128
8400	0.059	0.125	0.010	0.0218	-0.0035	-0.0128
8410	0.019	-0.133	0.155	0.0227	-0.0035	-0.0128
8420	0.045	0.246	-0.053	0.0193	-0.0030	-0.0127
8430	0.052	-0.807	-0.053	0.0403	0.0198	-0.0358
8440	0.022	-0.722	-0.028	0.0396	0.0163	-0.0372
8445	-0.000	-0.657	-0.000	0.0393	0.0152	-0.0371
8449	-0.073	-0.435	0.054	0.0358	0.0023	-0.0295
8450	-0.078	-0.352	0.029	0.0294	-0.0060	-0.0259
8451	-0.045	-0.526	0.049	0.0388	0.0131	-0.0364
8460	-0.078	-0.348	0.028	0.0294	-0.0060	-0.0258
8470	-0.069	-0.309	0.011	0.0294	-0.0061	-0.0258
8480	-0.035	-0.142	-0.061	0.0291	-0.0061	-0.0256
8490	-0.027	-0.103	-0.078	0.0290	-0.0061	-0.0256
8500	-0.000	-0.000	-0.133	0.0148	-0.0059	-0.0233
8510	0.043	0.006	-0.234	-0.0080	-0.0047	-0.0190
8518	0.063	-0.045	-0.292	-0.0116	-0.0039	-0.0166
8519	0.076	-0.055	-0.323	-0.0061	0.0024	-0.0128
8520	0.088	-0.033	-0.332	0.0080	0.0064	-0.0037
8530	-0.000	0.331	-0.000	0.0073	0.0142	0.0104
8538	-0.455	0.733	0.011	0.0001	0.0227	0.0122
8539	-0.460	0.761	-0.003	0.0036	0.0221	0.0022
8540	-0.437	0.767	-0.043	0.0040	0.0238	-0.0047
8550	-0.394	0.750	-0.128	0.0053	0.0244	-0.0046
8560	-0.366	0.740	-0.184	0.0062	0.0247	-0.0038
8570	-0.167	0.683	-0.082	0.0075	0.0243	-0.0012
8578	-0.057	0.648	-0.024	0.0077	0.0232	0.0002
8579	-0.007	0.612	0.003	0.0066	0.0132	-0.0019
8580	0.001	0.569	0.003	0.0035	0.0108	-0.0012
8590	-0.000	0.558	-0.000	0.0034	0.0103	-0.0011
8600	-0.003	0.527	-0.010	0.0026	0.0089	-0.0009
8610	-0.004	0.505	-0.015	0.0026	0.0088	-0.0009
8620	-0.015	0.340	-0.042	0.0015	0.0084	-0.0008
8630	-0.016	0.318	-0.044	0.0014	0.0084	-0.0008
8640	-0.018	0.287	-0.043	-0.0007	0.0069	-0.0004
8648	-0.428	0.754	-0.215	0.0057	0.0245	-0.0041
8649	-0.473	0.753	-0.273	-0.0020	0.0166	-0.0075
8650	-0.453	0.718	-0.321	-0.0054	0.0073	-0.0137
8658	-0.419	0.680	-0.340	-0.0060	0.0069	-0.0140
8659	-0.404	0.618	-0.344	-0.0088	0.0018	-0.0193

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.449	0.558	-0.314	-0.0127	0.0002	-0.0216
8690	-0.016	0.257	-0.037	-0.0028	0.0062	0.0008
8700	-0.011	0.228	-0.025	-0.0051	0.0048	0.0022
8710	-0.008	0.209	-0.017	-0.0051	0.0047	0.0023
9120	0.009	0.278	-0.055	0.0073	0.0032	-0.0066
9130	0.028	0.262	-0.056	0.0188	-0.0027	-0.0125
9190	0.002	0.156	0.004	-0.0019	0.0019	0.0009
9200	-0.000	0.171	-0.000	-0.0038	0.0033	0.0018
9210	-0.004	0.186	-0.008	-0.0051	0.0047	0.0023
9220	-0.007	0.206	-0.016	-0.0051	0.0047	0.0023
9490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
9510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
9520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	0.0000	0.0000	0.0000
9550	0.001	0.364	0.727	0.0004	0.0004	0.0002
9560	0.003	0.362	0.763	0.0013	0.0012	0.0010
9570	0.005	0.359	0.782	0.0015	0.0013	0.0012
10020	0.005	0.360	0.782	0.0014	0.0014	0.0012
10030	0.008	0.357	0.802	0.0016	0.0016	0.0014
10040	0.014	0.351	0.824	0.0051	0.0037	0.0061
10050	0.020	0.343	0.843	0.0052	0.0037	0.0063
10060	0.026	0.334	0.863	0.0054	0.0037	0.0065
10068	0.033	0.322	0.885	0.0079	0.0028	0.0112
10069	0.040	0.273	0.889	0.0333	-0.0065	0.0153
10070	0.078	0.218	0.817	0.0499	-0.0079	0.0299
10078	0.133	0.196	0.728	0.0505	-0.0120	0.0313
10079	0.187	0.145	0.613	0.0580	-0.0210	0.0330
10080	0.188	0.081	0.505	0.0634	-0.0416	0.0233
10090	0.042	-0.139	0.000	0.0550	-0.0386	0.0137
10100	-0.091	-0.223	-0.292	0.0474	-0.0127	0.0012
10108	-0.114	-0.223	-0.315	0.0436	-0.0114	-0.0003
10109	-0.132	-0.202	-0.296	0.0391	-0.0061	-0.0095
10110	-0.121	-0.169	-0.246	0.0192	-0.0091	-0.0095
10120	-0.120	-0.168	-0.243	0.0190	-0.0089	-0.0094
10130	-0.105	-0.148	-0.214	0.0189	-0.0088	-0.0094
10140	-0.021	-0.031	-0.043	0.0180	-0.0083	-0.0088
10150	-0.007	-0.011	-0.015	0.0177	-0.0082	-0.0087
10160	-0.000	-0.000	-0.000	0.0138	-0.0071	-0.0066
10170	0.007	0.030	0.018	0.0034	-0.0039	-0.0023
10180	0.008	0.050	0.017	-0.0012	-0.0023	0.0005
10190	0.007	0.070	0.015	-0.0014	-0.0022	0.0006
10200	0.006	0.103	0.011	-0.0014	-0.0021	0.0007
10210	-0.002	0.108	0.057	-0.0011	-0.0021	0.0007
10220	-0.012	0.112	0.116	-0.0010	-0.0021	0.0007
10230	0.003	0.137	0.007	-0.0017	-0.0020	0.0009
10240	-0.104	-0.308	-0.270	0.0506	-0.0039	-0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.099	-0.390	-0.251	0.0553	0.0134	-0.0049
10260	-0.083	-0.456	-0.236	0.0554	0.0138	-0.0050
10270	-0.003	-0.763	-0.166	0.0554	0.0150	-0.0055
10280	0.015	-0.829	-0.151	0.0553	0.0151	-0.0056
10290	0.036	-0.888	-0.137	0.0510	0.0188	-0.0191
10300	0.057	-0.946	-0.122	0.0510	0.0188	-0.0194
10310	0.091	-1.039	-0.099	0.0509	0.0185	-0.0198
10320	0.066	-0.999	-0.062	0.0509	0.0182	-0.0199
10330	0.026	0.018	0.022	0.0028	-0.0015	-0.0109
10338	0.140	-0.146	0.001	-0.0004	0.0027	-0.0071
10339	0.145	-0.132	-0.001	-0.0001	0.0001	0.0278
10340	0.109	-0.106	-0.001	0.0004	-0.0012	0.0494
10345	0.000	-0.078	0.000	0.0007	-0.0031	0.0436
10350	0.000	0.097	-0.000	-0.0043	-0.0159	-0.0380
10358	0.093	0.124	-0.012	-0.0034	-0.0179	-0.0423
10359	0.125	0.150	-0.016	0.0109	-0.0141	-0.0308
10360	0.123	0.175	-0.020	0.0200	-0.0048	-0.0125
10370	0.122	0.175	-0.020	0.0203	-0.0047	-0.0124
10380	0.106	0.191	-0.026	0.0205	-0.0046	-0.0123
10390	0.076	0.220	-0.037	0.0209	-0.0043	-0.0122
10400	0.058	0.125	0.018	0.0224	-0.0043	-0.0122
10410	0.009	-0.139	0.163	0.0234	-0.0043	-0.0122
10420	0.047	0.248	-0.046	0.0199	-0.0039	-0.0121
10430	0.051	-0.976	-0.041	0.0508	0.0179	-0.0199
10440	0.022	-0.916	-0.021	0.0504	0.0126	-0.0203
10445	-0.000	-0.880	-0.000	0.0502	0.0106	-0.0200
10449	-0.134	-0.645	0.043	0.0474	-0.0050	-0.0137
10450	-0.129	-0.549	0.014	0.0443	-0.0100	-0.0119
10451	-0.112	-0.712	0.055	0.0492	0.0033	-0.0180
10460	-0.127	-0.543	0.012	0.0443	-0.0101	-0.0118
10470	-0.114	-0.484	-0.005	0.0443	-0.0101	-0.0118
10480	-0.057	-0.233	-0.077	0.0441	-0.0101	-0.0117
10490	-0.043	-0.174	-0.094	0.0440	-0.0101	-0.0117
10500	-0.000	-0.000	-0.149	0.0325	-0.0096	-0.0105
10510	0.072	0.166	-0.250	0.0130	-0.0081	-0.0084
10518	0.107	0.212	-0.308	0.0091	-0.0071	-0.0071
10519	0.119	0.236	-0.326	0.0081	-0.0011	-0.0043
10520	0.121	0.266	-0.316	0.0135	0.0019	0.0014
10525	-0.000	0.581	-0.000	0.0069	0.0103	0.0089
10530	-0.039	0.632	0.020	0.0037	0.0116	0.0103
10538	-0.464	1.036	0.090	0.0087	0.0224	0.0136
10539	-0.478	1.069	0.103	0.0217	0.0190	0.0111
10540	-0.463	1.099	0.087	0.0253	0.0183	0.0101
10550	-0.353	1.195	-0.082	0.0345	0.0196	0.0121
10560	-0.324	1.224	-0.127	0.0369	0.0199	0.0131
10570	-0.163	0.915	-0.026	0.0390	0.0199	0.0124
10578	-0.073	0.736	0.032	0.0385	0.0192	0.0121
10579	-0.019	0.628	0.032	0.0250	0.0096	0.0080
10580	0.000	0.570	0.004	0.0052	0.0050	-0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.559	-0.000	0.0048	0.0047	-0.0003
10600	-0.001	0.528	-0.012	0.0030	0.0037	-0.0007
10610	-0.003	0.506	-0.017	0.0029	0.0037	-0.0007
10620	-0.013	0.341	-0.048	0.0017	0.0034	-0.0007
10630	-0.014	0.319	-0.050	0.0016	0.0033	-0.0007
10640	-0.016	0.288	-0.049	-0.0008	0.0024	-0.0005
10648	-0.374	1.316	-0.158	0.0360	0.0197	0.0138
10649	-0.407	1.409	-0.212	0.0202	0.0132	0.0091
10650	-0.385	1.445	-0.254	0.0142	0.0072	0.0030
10658	-0.350	1.454	-0.273	0.0119	0.0070	0.0027
10659	-0.321	1.433	-0.297	0.0055	0.0009	-0.0103
10660	-0.359	1.379	-0.284	-0.0133	-0.0048	-0.0268
10690	-0.014	0.258	-0.042	-0.0032	0.0018	0.0007
10700	-0.010	0.229	-0.028	-0.0057	0.0006	0.0020
10710	-0.007	0.209	-0.019	-0.0058	0.0005	0.0020
11120	0.011	0.279	-0.053	0.0074	0.0003	-0.0064
11130	0.031	0.264	-0.051	0.0193	-0.0037	-0.0120
11190	0.002	0.156	0.004	-0.0018	-0.0019	0.0009
11200	-0.000	0.171	-0.000	-0.0041	-0.0008	0.0016
11210	-0.003	0.187	-0.009	-0.0057	0.0004	0.0020
11220	-0.006	0.206	-0.018	-0.0058	0.0005	0.0020
11490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
11510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
11520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	0.0000	0.0000	0.0000
11550	0.001	0.364	0.727	0.0004	0.0004	0.0002
11560	0.003	0.362	0.763	0.0013	0.0012	0.0010
11570	0.005	0.359	0.782	0.0015	0.0014	0.0012
13490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
13510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
13520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	0.0000	0.0000	0.0000
13550	0.001	0.364	0.727	0.0004	0.0004	0.0002
13560	0.003	0.362	0.763	0.0013	0.0012	0.0010
13570	0.005	0.359	0.782	0.0015	0.0013	0.0012
15490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
15510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
15520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	0.0000	0.0000	0.0000
15550	0.001	0.364	0.727	0.0004	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 19 (OPE) W+T3-U2+U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.003	0.362	0.763	0.0013	0.0012	0.0010
15570	0.005	0.359	0.782	0.0015	0.0014	0.0012
17490	-0.000	-1.990	-0.000	-0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
17510	0.000	-0.000	0.381	0.0000	0.0000	-0.0000
17520	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	0.0000	0.0000	0.0000
17550	0.001	0.364	0.727	0.0004	0.0004	0.0002
17560	0.003	0.362	0.763	0.0012	0.0012	0.0010
17570	0.005	0.360	0.782	0.0014	0.0014	0.0012
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.000	-0.002	0.172	0.0002	0.0000	-0.0001
18020	0.001	-0.011	0.451	0.0005	0.0001	-0.0003
18022	0.069	-0.012	0.450	0.0005	0.0001	-0.0003
18025	0.069	-0.012	0.450	0.0005	0.0001	-0.0003
18027	0.091	-0.014	0.449	0.0007	0.0006	-0.0011
18030	0.114	-0.016	0.448	0.0007	0.0006	-0.0011
18040	0.002	-0.022	0.726	0.0006	0.0001	-0.0003
18042	0.002	-0.022	0.726	0.0006	0.0001	-0.0003
18045	0.002	-0.024	0.748	0.0012	0.0001	-0.0005
18050	0.003	-0.026	0.771	0.0012	0.0001	-0.0006
19000	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
19500	0.024	-0.118	0.837	0.0019	0.0005	-0.0006
19550	0.029	-0.029	0.855	0.0019	0.0005	-0.0006
19560	0.029	-0.029	0.855	0.0019	0.0005	-0.0006
19580	0.030	-0.020	0.857	0.0019	0.0006	-0.0008
19600	0.031	-0.002	0.860	0.0019	0.0006	-0.0008

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.012	0.364	0.782	0.0004	0.0029	0.0017
30	0.017	0.363	0.802	0.0005	0.0032	0.0020
40	0.029	0.361	0.823	0.0024	0.0077	0.0086
50	0.042	0.357	0.843	0.0024	0.0079	0.0089
60	0.054	0.353	0.863	0.0025	0.0079	0.0092
68	0.070	0.347	0.884	0.0047	0.0071	0.0159
69	0.090	0.306	0.891	0.0287	-0.0034	0.0224
70	0.148	0.255	0.829	0.0427	-0.0053	0.0420
78	0.226	0.233	0.753	0.0427	-0.0110	0.0435
79	0.301	0.174	0.659	0.0447	-0.0207	0.0404
80	0.305	0.105	0.559	0.0489	-0.0458	0.0224
90	0.160	-0.096	0.000	0.0291	-0.0409	0.0129
95	0.077	-0.168	-0.225	0.0177	-0.0266	0.0083
100	0.028	-0.195	-0.314	0.0111	-0.0196	0.0053
108	0.006	-0.204	-0.352	0.0106	-0.0198	0.0047
109	-0.017	-0.196	-0.375	0.0137	-0.0112	-0.0031
110	-0.018	-0.168	-0.347	0.0257	-0.0039	-0.0020
120	-0.018	-0.167	-0.343	0.0258	-0.0037	-0.0019
130	-0.015	-0.147	-0.303	0.0259	-0.0035	-0.0018
140	-0.001	-0.031	-0.063	0.0258	-0.0029	-0.0011
150	0.000	-0.011	-0.023	0.0255	-0.0028	-0.0010
160	0.000	-0.000	-0.000	0.0201	-0.0015	-0.0007
170	0.000	0.031	0.027	0.0050	0.0025	-0.0011
180	0.002	0.052	0.026	-0.0021	0.0047	-0.0001
190	0.002	0.071	0.022	-0.0023	0.0048	-0.0000
200	0.002	0.105	0.015	-0.0025	0.0050	0.0001
210	0.021	0.114	0.061	-0.0025	0.0053	0.0001
220	0.046	0.126	0.120	-0.0025	0.0054	0.0001
230	0.001	0.138	0.009	-0.0027	0.0048	0.0002
240	0.002	-0.210	-0.292	0.0072	-0.0125	0.0026
250	-0.009	-0.217	-0.272	-0.0005	0.0011	-0.0037
260	-0.007	-0.216	-0.257	-0.0007	0.0014	-0.0039
270	0.004	-0.210	-0.187	-0.0013	0.0024	-0.0047
280	0.007	-0.208	-0.171	-0.0014	0.0026	-0.0049
290	0.019	-0.203	-0.156	-0.0080	0.0244	-0.0252
300	0.047	-0.194	-0.142	-0.0081	0.0248	-0.0255
310	0.093	-0.179	-0.118	-0.0081	0.0255	-0.0261
320	0.068	-0.126	-0.066	-0.0081	0.0254	-0.0263
330	0.019	0.020	0.021	0.0055	0.0046	-0.0108
338	0.134	-0.170	-0.041	0.0082	0.0055	-0.0113
339	0.141	-0.160	-0.041	0.0101	0.0007	0.0238
340	0.108	-0.134	-0.029	0.0132	-0.0017	0.0480
345	0.000	-0.107	0.000	0.0142	-0.0042	0.0443
350	0.000	0.068	-0.000	-0.0351	-0.0204	-0.0508
358	0.129	0.095	-0.094	-0.0433	-0.0229	-0.0596
359	0.178	0.129	-0.142	-0.0310	-0.0186	-0.0467
360	0.182	0.164	-0.162	-0.0166	0.0034	-0.0152

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.181	0.165	-0.162	-0.0161	0.0037	-0.0148
380	0.165	0.183	-0.157	-0.0158	0.0039	-0.0146
390	0.135	0.217	-0.147	-0.0153	0.0049	-0.0141
400	0.160	0.283	-0.093	-0.0153	0.0064	-0.0141
410	0.242	0.458	0.052	-0.0153	0.0074	-0.0141
420	0.106	0.250	-0.136	-0.0148	0.0049	-0.0137
430	0.053	-0.095	-0.036	-0.0081	0.0249	-0.0264
440	0.022	-0.050	-0.011	-0.0082	0.0078	-0.0281
444	0.000	-0.000	-0.000	-0.0083	-0.0011	-0.0284
449	-0.086	0.233	-0.193	-0.0113	-0.0292	-0.0201
450	-0.059	0.221	-0.236	-0.0166	-0.0058	-0.0166
451	-0.087	0.195	-0.124	-0.0085	-0.0251	-0.0275
460	-0.058	0.219	-0.238	-0.0166	-0.0057	-0.0165
470	-0.051	0.197	-0.255	-0.0166	-0.0056	-0.0165
480	-0.021	0.102	-0.327	-0.0167	-0.0051	-0.0163
490	-0.014	0.080	-0.344	-0.0168	-0.0051	-0.0163
500	0.000	-0.000	-0.399	-0.0202	-0.0034	-0.0136
510	0.032	-0.183	-0.500	-0.0233	-0.0045	-0.0086
518	0.054	-0.287	-0.559	-0.0213	-0.0054	-0.0058
519	0.070	-0.301	-0.589	-0.0020	-0.0068	-0.0044
520	0.078	-0.274	-0.582	0.0196	-0.0057	0.0022
530	0.000	0.095	-0.000	0.0033	-0.0161	-0.0042
538	0.419	0.494	-0.597	-0.0251	-0.0276	-0.0148
539	0.455	0.507	-0.618	-0.0200	-0.0305	-0.0119
540	0.489	0.497	-0.568	-0.0169	-0.0373	-0.0092
550	0.578	0.435	-0.307	-0.0151	-0.0392	-0.0087
560	0.607	0.415	-0.217	-0.0145	-0.0396	-0.0087
570	0.285	0.528	-0.115	-0.0137	-0.0396	-0.0106
578	0.106	0.590	-0.057	-0.0132	-0.0379	-0.0117
579	0.016	0.605	-0.010	-0.0068	-0.0183	-0.0055
580	-0.003	0.573	0.007	0.0077	-0.0108	0.0032
590	0.000	0.562	-0.000	0.0081	-0.0099	0.0033
600	0.011	0.532	-0.028	0.0076	-0.0075	0.0028
610	0.017	0.509	-0.042	0.0074	-0.0074	0.0027
620	0.044	0.345	-0.122	0.0044	-0.0066	0.0014
630	0.046	0.322	-0.129	0.0040	-0.0065	0.0012
640	0.043	0.291	-0.125	-0.0039	-0.0041	-0.0019
648	0.706	0.378	-0.249	-0.0146	-0.0391	-0.0081
649	0.814	0.328	-0.250	-0.0143	-0.0254	-0.0067
650	0.873	0.301	-0.216	-0.0127	-0.0112	-0.0010
658	0.908	0.298	-0.187	-0.0129	-0.0105	-0.0006
659	0.949	0.291	-0.154	-0.0113	-0.0043	0.0060
660	0.988	0.264	-0.117	-0.0133	-0.0039	0.0095
670	1.056	0.172	-0.019	-0.0144	-0.0025	0.0090
680	1.086	0.129	0.031	-0.0150	-0.0019	0.0084
690	0.034	0.261	-0.103	-0.0091	-0.0028	-0.0034
700	0.022	0.231	-0.069	-0.0140	-0.0004	-0.0046
705	0.887	-0.000	-0.000	-0.0156	-0.0025	0.0078
710	0.015	0.211	-0.046	-0.0141	-0.0003	-0.0046

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.134	0.161	0.038	-0.0150	-0.0019	0.0084
730	0.202	-0.160	-0.027	-0.0175	0.0027	-0.0066
735	0.000	0.002	-0.000	-0.0171	-0.0010	-0.0150
740	-0.330	0.574	-0.126	-0.0165	-0.0053	-0.0264
750	-0.652	1.294	-0.228	-0.0160	-0.0022	-0.0279
758	-0.699	1.399	-0.236	-0.0162	-0.0020	-0.0273
759	-0.781	1.451	-0.211	-0.0162	-0.0023	-0.0029
760	-0.759	1.380	-0.151	-0.0106	-0.0050	0.0194
770	-0.564	1.258	-0.055	-0.0085	-0.0063	0.0197
775	-0.413	1.159	-0.000	-0.0046	-0.0072	0.0180
780	-0.275	1.056	0.015	-0.0008	-0.0082	0.0148
785	0.000	0.766	0.000	-0.0005	-0.0151	0.0090
790	0.173	0.438	0.081	-0.0058	-0.0228	0.0047
792	0.287	0.153	0.226	-0.0050	-0.0296	0.0065
795	0.346	0.044	0.263	-0.0045	-0.0278	0.0063
797	0.369	-0.000	0.278	-0.0046	-0.0270	0.0063
798	0.518	-0.326	0.412	-0.0051	-0.0215	0.0042
799	0.544	-0.380	0.386	0.0069	-0.0144	-0.0096
800	0.548	-0.345	0.307	0.0155	0.0009	-0.0165
808	0.546	-0.311	0.280	0.0155	0.0012	-0.0168
809	0.489	-0.214	0.238	0.0105	0.0118	-0.0154
810	0.403	-0.137	0.275	0.0064	0.0111	-0.0088
850	0.143	-0.008	0.442	0.0003	0.0013	-0.0009
860	0.120	-0.006	0.445	0.0003	0.0012	-0.0008
870	0.240	0.125	0.113	-0.0043	-0.0315	0.0073
875	0.194	0.097	-0.000	-0.0037	-0.0339	0.0078
878	0.083	0.024	-0.328	-0.0021	-0.0372	0.0085
879	-0.032	-0.033	-0.457	0.0023	-0.0194	0.0164
880	-0.056	-0.106	-0.413	0.0130	0.0189	0.0208
888	1.589	-1.042	0.402	0.0133	0.0280	0.0241
889	1.765	-1.031	0.396	0.0035	0.0366	0.0282
890	1.900	-0.884	0.238	-0.0008	0.0396	0.0358
899	1.884	-0.677	0.054	-0.0010	0.0376	0.0418
900	1.704	-0.533	-0.024	-0.0013	0.0364	0.0452
902	0.000	-0.000	-0.000	0.0019	0.0286	0.0299
905	-0.690	0.446	-0.000	-0.0052	0.0221	0.0146
908	-0.873	0.617	-0.107	-0.0095	0.0196	0.0131
909	-0.881	0.687	-0.210	-0.0145	0.0190	0.0007
910	-0.814	0.684	-0.294	-0.0103	0.0041	-0.0118
920	-0.667	0.542	-0.323	-0.0110	0.0006	-0.0128
925	0.000	0.001	-0.000	-0.0144	-0.0031	-0.0060
930	0.211	-0.069	-0.009	-0.0155	0.0020	-0.0031
935	0.892	-0.000	-0.000	-0.0138	-0.0016	0.0038
940	1.095	0.070	0.018	-0.0133	-0.0010	0.0046
950	1.143	0.088	0.022	-0.0133	-0.0010	0.0046
960	-0.298	1.056	0.058	0.0002	-0.0062	0.0099
968	-0.312	1.055	0.091	0.0008	-0.0052	0.0062
969	-0.297	1.056	0.133	0.0089	0.0166	-0.0081
970	-0.196	1.078	0.185	0.0166	0.0302	-0.0435

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	0.611	1.285	0.487	0.0191	0.0314	-0.0502
979	0.767	1.262	0.504	0.0176	0.0326	-0.0471
980	0.856	1.155	0.425	0.0152	0.0385	-0.0385
985	0.996	0.760	-0.000	0.0139	0.0430	-0.0350
988	1.188	0.289	-0.651	0.0120	0.0423	-0.0301
989	1.247	0.207	-0.709	0.0081	0.0055	-0.0204
990	1.208	0.171	-0.663	0.0030	-0.0429	-0.0172
1000	0.833	0.148	-0.564	0.0030	-0.0538	-0.0151
1010	0.761	0.145	-0.547	0.0031	-0.0559	-0.0147
1012	0.671	0.140	-0.527	0.0031	-0.0560	-0.0147
1016	0.283	0.118	-0.440	0.0031	-0.0566	-0.0146
1020	0.192	0.113	-0.419	0.0031	-0.0567	-0.0145
1029	0.006	0.080	-0.295	0.0076	-0.0750	-0.0148
1030	-0.039	0.034	-0.106	0.0077	-0.0348	-0.0111
1035	0.000	0.000	-0.000	0.0086	-0.0274	-0.0106
1040	0.040	-0.033	0.068	0.0095	-0.0193	-0.0104
1045	0.065	-0.062	0.107	0.0109	-0.0112	-0.0101
1050	0.082	-0.076	0.122	0.0110	-0.0109	-0.0101
1070	0.227	-0.117	-0.088	-0.0181	0.0026	-0.0076
1080	1.078	0.113	-0.026	-0.0128	-0.0017	0.0054
1090	0.224	-0.026	-0.064	-0.0166	0.0015	-0.0042
1100	-0.557	1.337	-0.281	-0.0149	-0.0018	-0.0276
1110	-0.621	0.585	-0.360	-0.0109	0.0018	-0.0142
1120	0.070	0.282	-0.124	-0.0082	0.0010	-0.0068
1130	0.089	0.267	-0.129	-0.0145	0.0048	-0.0134
1190	0.001	0.158	0.005	-0.0030	0.0046	0.0001
1200	0.000	0.173	-0.000	-0.0088	0.0023	-0.0022
1210	0.006	0.189	-0.021	-0.0140	-0.0001	-0.0045
1220	0.014	0.208	-0.043	-0.0141	-0.0002	-0.0046
1230	0.014	-0.005	0.771	0.0002	0.0003	-0.0004
1240	0.014	-0.006	0.794	0.0003	0.0003	-0.0004
1248	0.021	-0.042	1.003	0.0043	0.0008	-0.0044
1249	0.025	-0.140	1.023	0.0281	0.0037	-0.0053
1250	-0.009	-0.268	0.871	0.0447	0.0025	-0.0124
1258	-0.166	-0.427	0.326	0.0448	0.0047	-0.0130
1259	-0.189	-0.507	0.122	0.0390	0.0042	-0.0054
1260	-0.133	-0.531	0.022	0.0383	0.0077	0.0065
1268	0.086	-0.408	-0.118	0.0346	0.0089	0.0082
1269	0.123	-0.333	-0.124	0.0275	0.0218	0.0129
1270	0.094	-0.251	-0.090	0.0076	0.0304	0.0078
1275	0.000	-0.004	-0.000	-0.0006	0.0344	-0.0004
1280	0.198	0.350	-0.105	-0.0002	0.0400	-0.0079
1285	0.213	0.373	-0.105	-0.0001	0.0401	-0.0078
1290	0.227	0.397	-0.105	-0.0000	0.0401	-0.0078
1300	0.231	0.401	-0.105	0.0002	0.0402	-0.0077
1310	0.234	0.406	-0.105	0.0005	0.0402	-0.0076
1315	0.248	0.429	-0.104	0.0005	0.0403	-0.0076
1320	0.263	0.453	-0.103	0.0006	0.0403	-0.0076
1325	0.359	0.768	0.098	0.0125	0.0452	0.0011

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.334	0.894	0.236	0.0129	0.0472	0.0047
1329	0.227	0.908	0.360	-0.0001	0.0428	0.0312
1330	0.097	0.745	0.531	-0.0072	0.0316	0.0438
1338	0.046	0.562	0.664	-0.0093	0.0308	0.0437
1339	0.052	0.365	0.773	-0.0049	0.0092	0.0258
1340	0.085	0.271	0.801	-0.0025	0.0023	0.0001
1350	0.085	0.267	0.802	-0.0025	0.0020	0.0000
1360	0.085	0.244	0.807	-0.0025	0.0019	0.0000
1373	0.116	-0.103	0.150	0.0113	-0.0104	-0.0102
1376	0.144	-0.072	0.115	0.0114	-0.0101	-0.0103
1380	0.157	-0.057	0.099	0.0115	-0.0099	-0.0103
1390	0.170	-0.035	0.076	0.0128	-0.0042	-0.0112
1392	0.175	-0.017	0.058	0.0128	-0.0040	-0.0113
1396	0.196	0.055	-0.014	0.0128	-0.0032	-0.0114
1400	0.200	0.073	-0.031	0.0128	-0.0031	-0.0114
1410	0.184	0.142	-0.103	0.0103	0.0063	-0.0134
1418	0.163	0.168	-0.137	0.0083	0.0083	-0.0144
1419	0.128	0.157	-0.157	-0.0099	0.0137	-0.0164
1420	0.086	0.122	-0.136	-0.0189	0.0129	-0.0136
1425	0.000	-0.000	-0.000	-0.0010	0.0108	0.0006
1428	0.576	-0.353	-0.823	0.0398	0.0047	0.0250
1429	0.600	-0.389	-0.887	0.0327	0.0067	0.0095
1430	0.580	-0.400	-0.896	0.0296	0.0096	-0.0072
1435	0.000	-0.000	-0.000	-0.0049	0.0215	0.0055
1438	-0.072	-0.049	0.108	-0.0092	0.0172	0.0094
1439	-0.106	-0.067	0.116	-0.0134	0.0059	0.0089
1440	-0.126	-0.078	0.080	-0.0177	-0.0025	0.0030
1448	-0.126	-0.086	0.036	-0.0174	-0.0029	0.0022
1449	-0.124	-0.084	0.015	-0.0131	-0.0051	-0.0011
1450	-0.120	-0.074	0.001	-0.0073	-0.0059	-0.0043
1455	0.000	0.200	0.000	0.0066	-0.0107	-0.0058
1458	0.013	0.227	0.016	0.0067	-0.0112	-0.0057
1459	0.031	0.250	0.010	-0.0070	-0.0110	-0.0037
1460	0.054	0.226	-0.024	-0.0277	-0.0109	-0.0028
1470	0.145	-0.268	-0.576	0.0429	0.0092	0.0118
1480	0.128	-0.186	-0.598	0.0504	0.0096	0.0124
1490	0.109	-0.087	-0.621	0.0584	0.0100	0.0130
1495	0.089	-0.067	-0.522	0.0648	0.0100	0.0135
1497	0.064	-0.045	-0.393	0.0806	0.0100	0.0149
1498	-0.521	1.442	-0.966	0.0600	0.0335	-0.0258
1499	-0.547	1.490	-0.991	0.0626	0.0320	-0.0271
1500	0.000	0.001	-0.000	0.1159	0.0100	0.0181
1504	0.091	0.020	-0.644	0.0583	0.0103	0.0126
1505	-0.547	1.487	-1.024	0.0627	0.0284	-0.0323
1506	0.072	0.123	-0.667	0.0578	0.0112	0.0115
1508	-0.074	0.004	-0.373	0.1055	-0.0613	-0.0328
1509	-0.051	-0.019	-0.272	0.1078	-0.0643	-0.0256
1510	-0.025	-0.016	-0.144	0.1113	-0.0655	-0.0203
1520	0.000	0.000	-0.000	0.1115	-0.0655	-0.0199

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.012	0.364	0.782	0.0004	0.0029	0.0017
2030	0.017	0.363	0.802	0.0005	0.0032	0.0020
2040	0.029	0.361	0.823	0.0024	0.0077	0.0086
2050	0.042	0.357	0.843	0.0025	0.0078	0.0089
2060	0.054	0.353	0.863	0.0026	0.0078	0.0092
2068	0.070	0.347	0.884	0.0047	0.0070	0.0159
2069	0.089	0.306	0.891	0.0285	-0.0034	0.0224
2070	0.148	0.254	0.830	0.0424	-0.0053	0.0420
2078	0.225	0.232	0.754	0.0424	-0.0111	0.0436
2079	0.300	0.174	0.661	0.0443	-0.0207	0.0406
2080	0.305	0.104	0.561	0.0485	-0.0459	0.0228
2090	0.160	-0.100	0.000	0.0289	-0.0413	0.0130
2100	0.028	-0.197	-0.317	0.0109	-0.0192	0.0048
2108	0.005	-0.206	-0.354	0.0100	-0.0190	0.0041
2109	-0.017	-0.196	-0.372	0.0137	-0.0065	-0.0035
2110	-0.018	-0.169	-0.339	0.0252	0.0019	-0.0019
2120	-0.017	-0.167	-0.336	0.0252	0.0022	-0.0019
2130	-0.014	-0.147	-0.297	0.0253	0.0023	-0.0018
2140	-0.001	-0.031	-0.062	0.0253	0.0032	-0.0011
2150	0.000	-0.011	-0.022	0.0250	0.0033	-0.0010
2160	0.000	-0.000	-0.000	0.0197	0.0050	-0.0007
2170	0.000	0.031	0.026	0.0049	0.0100	-0.0011
2180	0.002	0.052	0.025	-0.0021	0.0135	-0.0001
2190	0.002	0.071	0.021	-0.0023	0.0136	-0.0000
2200	0.002	0.105	0.015	-0.0024	0.0139	0.0001
2210	0.053	0.114	0.061	-0.0024	0.0142	0.0001
2220	0.120	0.125	0.120	-0.0024	0.0142	0.0001
2230	0.001	0.138	0.008	-0.0026	0.0137	0.0002
2240	0.002	-0.213	-0.295	0.0077	-0.0123	0.0019
2250	-0.008	-0.221	-0.275	0.0011	0.0010	-0.0050
2260	-0.007	-0.222	-0.260	0.0009	0.0013	-0.0051
2270	0.004	-0.225	-0.190	0.0003	0.0023	-0.0060
2280	0.006	-0.225	-0.174	0.0003	0.0025	-0.0062
2290	0.019	-0.222	-0.159	-0.0071	0.0247	-0.0280
2300	0.047	-0.214	-0.145	-0.0072	0.0251	-0.0284
2310	0.093	-0.201	-0.121	-0.0073	0.0258	-0.0290
2320	0.068	-0.142	-0.069	-0.0073	0.0257	-0.0293
2330	0.019	0.020	0.010	0.0057	0.0100	-0.0111
2338	0.134	-0.176	-0.059	0.0111	0.0036	-0.0120
2339	0.141	-0.167	-0.055	0.0136	-0.0024	0.0235
2340	0.108	-0.142	-0.039	0.0175	-0.0052	0.0480
2345	0.000	-0.114	0.000	0.0184	-0.0079	0.0443
2350	0.000	0.060	-0.000	-0.0422	-0.0252	-0.0506
2358	0.128	0.088	-0.113	-0.0517	-0.0279	-0.0594
2359	0.178	0.121	-0.169	-0.0366	-0.0224	-0.0469
2360	0.181	0.157	-0.193	-0.0191	0.0043	-0.0159
2370	0.180	0.158	-0.193	-0.0185	0.0046	-0.0156
2380	0.164	0.178	-0.187	-0.0182	0.0050	-0.0154
2390	0.135	0.213	-0.175	-0.0176	0.0061	-0.0149

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.165	0.289	-0.120	-0.0176	0.0076	-0.0149
2410	0.261	0.490	0.024	-0.0176	0.0086	-0.0149
2420	0.105	0.248	-0.160	-0.0169	0.0065	-0.0144
2430	0.053	-0.108	-0.038	-0.0073	0.0253	-0.0294
2440	0.022	-0.056	-0.012	-0.0082	0.0084	-0.0318
2445	0.000	0.000	-0.000	-0.0084	-0.0004	-0.0322
2449	-0.086	0.272	-0.186	-0.0124	-0.0285	-0.0251
2450	-0.061	0.260	-0.228	-0.0194	-0.0058	-0.0212
2451	-0.087	0.225	-0.118	-0.0093	-0.0242	-0.0321
2460	-0.060	0.258	-0.230	-0.0194	-0.0057	-0.0211
2470	-0.052	0.232	-0.247	-0.0195	-0.0056	-0.0210
2480	-0.022	0.121	-0.319	-0.0196	-0.0052	-0.0209
2490	-0.015	0.095	-0.336	-0.0197	-0.0051	-0.0208
2500	0.000	-0.000	-0.391	-0.0243	-0.0040	-0.0183
2510	0.041	-0.223	-0.492	-0.0290	-0.0058	-0.0136
2518	0.069	-0.355	-0.551	-0.0271	-0.0064	-0.0109
2519	0.089	-0.379	-0.586	-0.0071	-0.0053	-0.0086
2520	0.101	-0.355	-0.586	0.0164	-0.0030	-0.0007
2530	0.000	0.013	-0.000	0.0086	-0.0066	0.0034
2538	-0.010	0.414	-0.307	-0.0165	-0.0107	-0.0012
2539	0.006	0.434	-0.332	-0.0184	-0.0105	-0.0060
2540	0.037	0.427	-0.327	-0.0188	-0.0110	-0.0111
2550	0.124	0.346	-0.252	-0.0202	-0.0107	-0.0121
2560	0.153	0.318	-0.227	-0.0206	-0.0102	-0.0123
2570	0.070	0.482	-0.126	-0.0201	-0.0101	-0.0114
2578	0.024	0.573	-0.067	-0.0195	-0.0095	-0.0109
2579	-0.000	0.602	-0.015	-0.0102	0.0003	-0.0067
2580	-0.002	0.573	0.006	0.0072	0.0054	0.0028
2590	0.000	0.562	-0.000	0.0077	0.0058	0.0030
2600	0.011	0.532	-0.027	0.0073	0.0067	0.0027
2610	0.016	0.509	-0.041	0.0072	0.0068	0.0027
2620	0.043	0.345	-0.117	0.0042	0.0071	0.0014
2630	0.046	0.322	-0.124	0.0038	0.0071	0.0012
2640	0.042	0.292	-0.119	-0.0038	0.0081	-0.0020
2648	0.178	0.266	-0.259	-0.0207	-0.0099	-0.0126
2649	0.212	0.191	-0.288	-0.0217	-0.0043	-0.0135
2650	0.251	0.125	-0.297	-0.0221	-0.0006	-0.0150
2658	0.286	0.083	-0.296	-0.0219	-0.0004	-0.0151
2659	0.305	0.026	-0.273	-0.0210	0.0014	-0.0134
2660	0.287	-0.025	-0.220	-0.0187	0.0023	-0.0090
2690	0.034	0.261	-0.098	-0.0087	0.0089	-0.0034
2700	0.022	0.231	-0.065	-0.0134	0.0105	-0.0045
2710	0.015	0.211	-0.044	-0.0135	0.0105	-0.0045
3120	0.069	0.281	-0.139	-0.0090	0.0084	-0.0072
3130	0.089	0.266	-0.152	-0.0166	0.0066	-0.0141
3190	0.001	0.158	0.004	-0.0029	0.0136	0.0001
3200	0.000	0.173	-0.000	-0.0084	0.0121	-0.0022
3210	0.006	0.189	-0.020	-0.0133	0.0107	-0.0045
3220	0.013	0.208	-0.041	-0.0135	0.0106	-0.0045

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.012	0.364	0.782	0.0004	0.0029	0.0017
4030	0.017	0.363	0.802	0.0005	0.0032	0.0020
4040	0.029	0.361	0.823	0.0024	0.0077	0.0086
4050	0.042	0.357	0.843	0.0024	0.0079	0.0089
4060	0.054	0.353	0.863	0.0025	0.0079	0.0092
4068	0.070	0.347	0.884	0.0047	0.0071	0.0159
4069	0.090	0.306	0.891	0.0287	-0.0034	0.0224
4070	0.148	0.255	0.829	0.0428	-0.0053	0.0420
4078	0.226	0.233	0.753	0.0428	-0.0110	0.0435
4079	0.301	0.174	0.658	0.0447	-0.0207	0.0404
4080	0.305	0.105	0.558	0.0489	-0.0458	0.0224
4090	0.160	-0.096	0.000	0.0292	-0.0409	0.0129
4100	0.029	-0.195	-0.315	0.0111	-0.0196	0.0053
4108	0.006	-0.204	-0.352	0.0106	-0.0198	0.0047
4109	-0.017	-0.196	-0.376	0.0137	-0.0115	-0.0030
4110	-0.018	-0.168	-0.347	0.0257	-0.0042	-0.0020
4120	-0.018	-0.167	-0.344	0.0258	-0.0040	-0.0019
4130	-0.015	-0.147	-0.304	0.0259	-0.0039	-0.0018
4140	-0.001	-0.031	-0.063	0.0259	-0.0032	-0.0011
4150	0.000	-0.011	-0.023	0.0255	-0.0031	-0.0010
4160	0.000	-0.000	-0.000	0.0202	-0.0018	-0.0007
4170	0.000	0.031	0.027	0.0050	0.0021	-0.0011
4180	0.002	0.052	0.026	-0.0021	0.0042	-0.0001
4190	0.002	0.071	0.022	-0.0023	0.0043	-0.0000
4200	0.002	0.105	0.015	-0.0025	0.0045	0.0001
4210	0.019	0.114	0.061	-0.0025	0.0048	0.0001
4220	0.042	0.126	0.120	-0.0025	0.0048	0.0001
4230	0.001	0.138	0.009	-0.0027	0.0042	0.0002
4240	0.002	-0.210	-0.292	0.0073	-0.0125	0.0026
4250	-0.009	-0.217	-0.272	-0.0005	0.0011	-0.0037
4260	-0.007	-0.216	-0.257	-0.0007	0.0014	-0.0039
4270	0.004	-0.210	-0.187	-0.0013	0.0024	-0.0047
4280	0.007	-0.208	-0.172	-0.0014	0.0026	-0.0049
4290	0.019	-0.203	-0.156	-0.0080	0.0244	-0.0252
4300	0.047	-0.194	-0.142	-0.0080	0.0248	-0.0255
4310	0.093	-0.179	-0.119	-0.0081	0.0255	-0.0261
4320	0.068	-0.126	-0.066	-0.0081	0.0254	-0.0263
4330	0.019	0.020	0.022	0.0054	0.0043	-0.0108
4338	0.134	-0.169	-0.040	0.0080	0.0056	-0.0113
4339	0.140	-0.159	-0.040	0.0098	0.0009	0.0238
4340	0.108	-0.134	-0.029	0.0130	-0.0015	0.0480
4345	0.000	-0.107	0.000	0.0139	-0.0040	0.0443
4350	0.000	0.068	-0.000	-0.0347	-0.0201	-0.0507
4358	0.129	0.096	-0.093	-0.0428	-0.0225	-0.0595
4359	0.178	0.129	-0.140	-0.0307	-0.0183	-0.0466
4360	0.181	0.164	-0.160	-0.0164	0.0033	-0.0151
4370	0.181	0.165	-0.160	-0.0160	0.0036	-0.0147
4380	0.164	0.184	-0.155	-0.0157	0.0039	-0.0145
4390	0.135	0.217	-0.146	-0.0152	0.0048	-0.0141

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.160	0.283	-0.091	-0.0152	0.0063	-0.0141
4410	0.241	0.456	0.054	-0.0152	0.0073	-0.0141
4420	0.105	0.250	-0.134	-0.0146	0.0048	-0.0136
4430	0.053	-0.095	-0.036	-0.0081	0.0249	-0.0264
4440	0.022	-0.050	-0.011	-0.0082	0.0079	-0.0281
4445	0.000	-0.000	-0.000	-0.0083	-0.0011	-0.0283
4449	-0.086	0.232	-0.193	-0.0113	-0.0292	-0.0200
4450	-0.059	0.220	-0.236	-0.0165	-0.0059	-0.0164
4451	-0.087	0.195	-0.123	-0.0085	-0.0251	-0.0275
4460	-0.058	0.218	-0.238	-0.0166	-0.0057	-0.0163
4470	-0.051	0.196	-0.254	-0.0166	-0.0056	-0.0163
4480	-0.021	0.102	-0.326	-0.0167	-0.0051	-0.0161
4490	-0.014	0.080	-0.343	-0.0167	-0.0051	-0.0161
4500	0.000	-0.000	-0.398	-0.0202	-0.0033	-0.0133
4510	0.031	-0.182	-0.500	-0.0233	-0.0045	-0.0083
4518	0.054	-0.287	-0.558	-0.0212	-0.0054	-0.0054
4519	0.070	-0.301	-0.589	-0.0019	-0.0071	-0.0041
4520	0.077	-0.273	-0.581	0.0197	-0.0060	0.0024
4530	0.000	0.096	-0.000	0.0029	-0.0172	-0.0047
4538	0.459	0.494	-0.624	-0.0263	-0.0296	-0.0164
4539	0.498	0.506	-0.646	-0.0213	-0.0325	-0.0138
4540	0.533	0.492	-0.594	-0.0182	-0.0397	-0.0113
4550	0.623	0.415	-0.316	-0.0165	-0.0417	-0.0109
4560	0.652	0.391	-0.220	-0.0160	-0.0422	-0.0109
4570	0.309	0.516	-0.118	-0.0153	-0.0422	-0.0126
4578	0.118	0.585	-0.060	-0.0148	-0.0405	-0.0136
4579	0.020	0.604	-0.012	-0.0078	-0.0198	-0.0069
4580	-0.002	0.573	0.006	0.0076	-0.0117	0.0031
4590	0.000	0.562	-0.000	0.0081	-0.0108	0.0032
4600	0.011	0.531	-0.028	0.0076	-0.0083	0.0028
4610	0.016	0.509	-0.042	0.0074	-0.0082	0.0027
4620	0.044	0.344	-0.122	0.0044	-0.0074	0.0013
4630	0.046	0.322	-0.129	0.0040	-0.0073	0.0012
4640	0.042	0.291	-0.125	-0.0038	-0.0048	-0.0019
4648	0.758	0.351	-0.252	-0.0160	-0.0417	-0.0104
4649	0.871	0.295	-0.250	-0.0150	-0.0272	-0.0089
4650	0.933	0.260	-0.212	-0.0132	-0.0121	-0.0036
4658	0.968	0.251	-0.181	-0.0133	-0.0113	-0.0031
4659	1.005	0.235	-0.147	-0.0112	-0.0042	0.0031
4660	1.035	0.205	-0.113	-0.0119	-0.0032	0.0060
4690	0.034	0.261	-0.103	-0.0091	-0.0035	-0.0034
4700	0.022	0.231	-0.069	-0.0140	-0.0010	-0.0046
4710	0.015	0.211	-0.046	-0.0141	-0.0009	-0.0046
5120	0.070	0.282	-0.123	-0.0081	0.0006	-0.0068
5130	0.089	0.267	-0.128	-0.0144	0.0047	-0.0133
5190	0.001	0.158	0.005	-0.0030	0.0041	0.0001
5200	0.000	0.173	-0.000	-0.0088	0.0017	-0.0022
5210	0.006	0.189	-0.021	-0.0140	-0.0007	-0.0045
5220	0.014	0.208	-0.043	-0.0141	-0.0009	-0.0046

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.012	0.364	0.782	0.0004	0.0029	0.0017
6030	0.017	0.363	0.802	0.0005	0.0032	0.0020
6040	0.029	0.361	0.823	0.0024	0.0077	0.0086
6050	0.042	0.357	0.843	0.0025	0.0078	0.0089
6060	0.054	0.353	0.863	0.0026	0.0078	0.0092
6068	0.070	0.347	0.884	0.0047	0.0070	0.0159
6069	0.089	0.306	0.891	0.0285	-0.0035	0.0224
6070	0.148	0.255	0.830	0.0423	-0.0054	0.0420
6078	0.225	0.232	0.754	0.0423	-0.0111	0.0436
6079	0.300	0.174	0.661	0.0442	-0.0207	0.0406
6080	0.305	0.104	0.561	0.0484	-0.0460	0.0228
6090	0.160	-0.100	0.000	0.0287	-0.0413	0.0130
6100	0.028	-0.197	-0.317	0.0107	-0.0192	0.0048
6108	0.005	-0.205	-0.354	0.0098	-0.0189	0.0042
6109	-0.017	-0.196	-0.372	0.0136	-0.0063	-0.0035
6110	-0.018	-0.169	-0.339	0.0251	0.0022	-0.0019
6120	-0.017	-0.167	-0.336	0.0252	0.0024	-0.0019
6130	-0.015	-0.147	-0.297	0.0253	0.0026	-0.0018
6140	-0.001	-0.031	-0.062	0.0253	0.0034	-0.0011
6150	0.000	-0.011	-0.022	0.0249	0.0036	-0.0010
6160	0.000	-0.000	-0.000	0.0197	0.0052	-0.0007
6170	0.000	0.031	0.026	0.0049	0.0104	-0.0011
6180	0.002	0.052	0.025	-0.0021	0.0138	-0.0001
6190	0.002	0.072	0.021	-0.0023	0.0140	-0.0000
6200	0.002	0.105	0.015	-0.0024	0.0142	0.0001
6210	0.055	0.114	0.061	-0.0024	0.0145	0.0001
6220	0.123	0.125	0.120	-0.0024	0.0146	0.0001
6230	0.001	0.139	0.008	-0.0026	0.0141	0.0002
6240	0.002	-0.212	-0.295	0.0075	-0.0122	0.0019
6250	-0.008	-0.220	-0.275	0.0008	0.0010	-0.0048
6260	-0.007	-0.221	-0.260	0.0007	0.0013	-0.0050
6270	0.004	-0.223	-0.189	0.0001	0.0023	-0.0058
6280	0.007	-0.223	-0.174	0.0000	0.0025	-0.0060
6290	0.019	-0.219	-0.159	-0.0072	0.0247	-0.0275
6300	0.047	-0.211	-0.144	-0.0073	0.0251	-0.0279
6310	0.093	-0.197	-0.121	-0.0074	0.0257	-0.0285
6320	0.068	-0.139	-0.068	-0.0075	0.0257	-0.0288
6330	0.019	0.020	0.010	0.0058	0.0102	-0.0111
6338	0.134	-0.177	-0.060	0.0112	0.0035	-0.0121
6339	0.141	-0.167	-0.056	0.0138	-0.0025	0.0234
6340	0.108	-0.142	-0.039	0.0177	-0.0054	0.0480
6345	0.000	-0.115	0.000	0.0185	-0.0080	0.0444
6350	0.000	0.060	-0.000	-0.0425	-0.0255	-0.0507
6358	0.128	0.087	-0.114	-0.0521	-0.0282	-0.0595
6359	0.178	0.121	-0.171	-0.0369	-0.0227	-0.0471
6360	0.182	0.156	-0.195	-0.0193	0.0043	-0.0160
6370	0.181	0.158	-0.195	-0.0187	0.0046	-0.0156
6380	0.165	0.177	-0.189	-0.0183	0.0049	-0.0154
6390	0.135	0.213	-0.177	-0.0177	0.0061	-0.0150

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.165	0.290	-0.122	-0.0177	0.0076	-0.0150
6410	0.261	0.492	0.023	-0.0177	0.0086	-0.0150
6420	0.106	0.247	-0.162	-0.0171	0.0064	-0.0145
6430	0.053	-0.106	-0.038	-0.0075	0.0252	-0.0289
6440	0.022	-0.055	-0.012	-0.0083	0.0084	-0.0312
6445	0.000	0.000	-0.000	-0.0085	-0.0005	-0.0316
6449	-0.086	0.266	-0.186	-0.0123	-0.0285	-0.0247
6450	-0.061	0.255	-0.229	-0.0190	-0.0058	-0.0209
6451	-0.087	0.221	-0.118	-0.0094	-0.0243	-0.0315
6460	-0.060	0.252	-0.231	-0.0191	-0.0057	-0.0208
6470	-0.052	0.227	-0.248	-0.0191	-0.0056	-0.0208
6480	-0.022	0.118	-0.320	-0.0193	-0.0052	-0.0206
6490	-0.015	0.093	-0.336	-0.0193	-0.0051	-0.0206
6500	0.000	-0.000	-0.391	-0.0237	-0.0041	-0.0181
6510	0.041	-0.217	-0.493	-0.0281	-0.0059	-0.0135
6518	0.070	-0.345	-0.552	-0.0263	-0.0064	-0.0109
6519	0.089	-0.368	-0.586	-0.0066	-0.0051	-0.0086
6520	0.101	-0.344	-0.586	0.0165	-0.0028	-0.0008
6530	0.000	0.025	-0.000	0.0088	-0.0057	0.0038
6538	-0.041	0.426	-0.284	-0.0152	-0.0090	0.0003
6539	-0.028	0.448	-0.308	-0.0164	-0.0090	-0.0037
6540	-0.000	0.446	-0.304	-0.0167	-0.0095	-0.0081
6550	0.087	0.385	-0.239	-0.0177	-0.0091	-0.0091
6560	0.116	0.364	-0.219	-0.0180	-0.0085	-0.0092
6570	0.048	0.506	-0.117	-0.0173	-0.0081	-0.0087
6578	0.012	0.584	-0.059	-0.0166	-0.0075	-0.0084
6579	-0.005	0.605	-0.010	-0.0077	0.0016	-0.0047
6580	-0.003	0.573	0.007	0.0076	0.0060	0.0031
6590	0.000	0.562	-0.000	0.0080	0.0064	0.0032
6600	0.011	0.532	-0.028	0.0074	0.0073	0.0028
6610	0.016	0.510	-0.041	0.0072	0.0073	0.0027
6620	0.044	0.345	-0.118	0.0042	0.0076	0.0014
6630	0.046	0.322	-0.125	0.0038	0.0077	0.0012
6640	0.043	0.292	-0.120	-0.0038	0.0086	-0.0020
6648	0.137	0.318	-0.251	-0.0182	-0.0083	-0.0095
6649	0.171	0.252	-0.279	-0.0205	-0.0056	-0.0106
6650	0.212	0.195	-0.281	-0.0212	-0.0037	-0.0120
6658	0.247	0.161	-0.271	-0.0213	-0.0036	-0.0120
6659	0.270	0.113	-0.241	-0.0202	-0.0009	-0.0103
6660	0.261	0.066	-0.187	-0.0177	0.0005	-0.0058
6690	0.034	0.261	-0.099	-0.0088	0.0094	-0.0035
6700	0.022	0.231	-0.066	-0.0135	0.0109	-0.0046
6710	0.015	0.212	-0.044	-0.0135	0.0110	-0.0046
7120	0.070	0.281	-0.140	-0.0091	0.0087	-0.0072
7130	0.089	0.266	-0.154	-0.0167	0.0066	-0.0142
7190	0.001	0.158	0.004	-0.0029	0.0140	0.0001
7200	0.000	0.173	-0.000	-0.0084	0.0125	-0.0022
7210	0.006	0.189	-0.020	-0.0134	0.0111	-0.0045
7220	0.014	0.209	-0.041	-0.0135	0.0110	-0.0046

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.002	0.365	0.727	0.0001	0.0008	0.0004
7560	0.007	0.364	0.763	0.0003	0.0026	0.0014
7570	0.012	0.364	0.782	0.0004	0.0029	0.0017
8020	0.012	0.364	0.782	0.0004	0.0030	0.0017
8030	0.017	0.363	0.802	0.0004	0.0033	0.0020
8040	0.030	0.361	0.823	0.0021	0.0079	0.0088
8050	0.042	0.358	0.843	0.0022	0.0080	0.0091
8060	0.055	0.354	0.863	0.0023	0.0080	0.0094
8068	0.071	0.349	0.885	0.0042	0.0072	0.0162
8069	0.092	0.311	0.893	0.0252	-0.0030	0.0230
8070	0.153	0.263	0.841	0.0370	-0.0047	0.0432
8078	0.232	0.241	0.774	0.0370	-0.0105	0.0448
8079	0.310	0.182	0.691	0.0394	-0.0205	0.0418
8080	0.315	0.110	0.594	0.0444	-0.0475	0.0235
8090	0.170	-0.099	0.000	0.0259	-0.0464	0.0130
8100	0.038	-0.195	-0.380	0.0090	-0.0232	0.0050
8108	0.016	-0.204	-0.422	0.0086	-0.0220	0.0044
8109	-0.007	-0.195	-0.439	0.0152	-0.0025	-0.0029
8110	-0.009	-0.169	-0.395	0.0295	0.0081	-0.0013
8120	-0.009	-0.167	-0.391	0.0295	0.0084	-0.0012
8130	-0.007	-0.147	-0.346	0.0296	0.0085	-0.0011
8140	0.000	-0.031	-0.071	0.0294	0.0095	-0.0004
8150	0.001	-0.011	-0.026	0.0290	0.0097	-0.0004
8160	0.000	-0.000	-0.000	0.0229	0.0116	-0.0002
8170	-0.001	0.031	0.031	0.0058	0.0175	-0.0009
8180	0.001	0.052	0.030	-0.0025	0.0219	-0.0001
8190	0.001	0.072	0.025	-0.0027	0.0221	-0.0001
8200	0.001	0.105	0.018	-0.0029	0.0224	0.0000
8210	0.084	0.116	0.064	-0.0029	0.0227	0.0000
8220	0.190	0.130	0.123	-0.0029	0.0228	0.0000
8230	0.001	0.139	0.010	-0.0031	0.0224	0.0001
8240	0.006	-0.207	-0.358	0.0053	-0.0157	0.0025
8250	-0.009	-0.211	-0.338	-0.0020	-0.0010	-0.0033
8260	-0.010	-0.208	-0.323	-0.0022	-0.0006	-0.0035
8270	-0.010	-0.195	-0.252	-0.0027	0.0006	-0.0042
8280	-0.009	-0.191	-0.237	-0.0028	0.0009	-0.0044
8290	0.005	-0.185	-0.222	-0.0074	0.0308	-0.0230
8300	0.040	-0.177	-0.208	-0.0074	0.0314	-0.0233
8310	0.098	-0.163	-0.184	-0.0074	0.0323	-0.0238
8320	0.073	-0.115	-0.118	-0.0073	0.0325	-0.0241
8330	0.018	0.020	0.005	0.0070	0.0155	-0.0115
8338	0.133	-0.188	-0.077	0.0142	0.0024	-0.0135

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.140	-0.179	-0.069	0.0174	-0.0048	0.0226
8340	0.108	-0.154	-0.048	0.0218	-0.0080	0.0479
8345	0.000	-0.127	0.000	0.0224	-0.0109	0.0444
8350	0.000	0.047	-0.000	-0.0491	-0.0300	-0.0510
8358	0.129	0.075	-0.131	-0.0599	-0.0329	-0.0601
8359	0.180	0.109	-0.196	-0.0420	-0.0264	-0.0482
8360	0.184	0.146	-0.224	-0.0217	0.0048	-0.0173
8370	0.183	0.147	-0.224	-0.0210	0.0052	-0.0169
8380	0.167	0.168	-0.217	-0.0206	0.0056	-0.0167
8390	0.137	0.207	-0.204	-0.0199	0.0069	-0.0162
8400	0.171	0.293	-0.149	-0.0199	0.0084	-0.0162
8410	0.276	0.520	-0.004	-0.0199	0.0094	-0.0162
8420	0.108	0.244	-0.187	-0.0191	0.0075	-0.0157
8430	0.058	-0.087	-0.080	-0.0073	0.0322	-0.0241
8440	0.022	-0.045	-0.036	-0.0068	0.0213	-0.0255
8445	0.000	-0.000	-0.000	-0.0067	0.0149	-0.0256
8449	-0.058	0.130	-0.005	-0.0076	-0.0149	-0.0219
8450	-0.045	0.130	-0.040	-0.0097	-0.0043	-0.0202
8451	-0.044	0.091	0.024	-0.0065	0.0041	-0.0254
8460	-0.045	0.129	-0.042	-0.0097	-0.0042	-0.0202
8470	-0.039	0.116	-0.059	-0.0097	-0.0041	-0.0202
8480	-0.017	0.061	-0.131	-0.0098	-0.0038	-0.0201
8490	-0.012	0.048	-0.148	-0.0098	-0.0038	-0.0201
8500	0.000	-0.000	-0.203	-0.0123	-0.0036	-0.0185
8510	0.040	-0.114	-0.305	-0.0149	-0.0056	-0.0156
8518	0.066	-0.182	-0.363	-0.0139	-0.0054	-0.0140
8519	0.082	-0.189	-0.392	-0.0032	-0.0005	-0.0111
8520	0.095	-0.165	-0.395	0.0102	0.0028	-0.0036
8530	0.000	0.203	-0.000	0.0077	0.0111	0.0099
8538	-0.495	0.607	0.001	0.0015	0.0201	0.0183
8539	-0.517	0.644	-0.009	0.0048	0.0199	0.0143
8540	-0.504	0.675	-0.045	0.0045	0.0234	0.0084
8550	-0.461	0.703	-0.129	0.0054	0.0246	0.0073
8560	-0.433	0.719	-0.186	0.0060	0.0256	0.0065
8570	-0.227	0.670	-0.084	0.0061	0.0254	0.0065
8578	-0.112	0.642	-0.025	0.0059	0.0250	0.0065
8579	-0.040	0.614	0.006	0.0037	0.0214	0.0052
8580	-0.003	0.574	0.007	0.0082	0.0202	0.0038
8590	0.000	0.563	-0.000	0.0085	0.0201	0.0038
8600	0.012	0.532	-0.028	0.0074	0.0198	0.0030
8610	0.018	0.510	-0.042	0.0072	0.0198	0.0029
8620	0.046	0.345	-0.118	0.0041	0.0197	0.0014
8630	0.048	0.323	-0.124	0.0038	0.0197	0.0012
8640	0.045	0.292	-0.119	-0.0039	0.0194	-0.0021
8648	-0.498	0.734	-0.218	0.0060	0.0259	0.0062
8649	-0.557	0.754	-0.283	0.0032	0.0251	0.0044
8650	-0.549	0.761	-0.361	0.0008	0.0189	-0.0013
8658	-0.515	0.757	-0.412	0.0005	0.0183	-0.0018
8659	-0.489	0.726	-0.449	-0.0036	0.0084	-0.0100

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.512	0.676	-0.436	-0.0104	0.0043	-0.0151
8690	0.036	0.261	-0.098	-0.0088	0.0198	-0.0036
8700	0.023	0.231	-0.066	-0.0134	0.0206	-0.0048
8710	0.016	0.212	-0.044	-0.0135	0.0207	-0.0048
9120	0.072	0.281	-0.157	-0.0100	0.0151	-0.0078
9130	0.092	0.264	-0.177	-0.0187	0.0079	-0.0153
9190	0.001	0.158	0.005	-0.0034	0.0223	-0.0000
9200	0.000	0.173	-0.000	-0.0087	0.0215	-0.0024
9210	0.007	0.189	-0.020	-0.0134	0.0207	-0.0048
9220	0.014	0.209	-0.041	-0.0135	0.0207	-0.0048
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.002	0.365	0.727	0.0001	0.0008	0.0004
9560	0.007	0.364	0.763	0.0003	0.0026	0.0014
9570	0.012	0.364	0.782	0.0004	0.0029	0.0017
10020	0.011	0.364	0.782	0.0004	0.0029	0.0017
10030	0.016	0.363	0.802	0.0004	0.0032	0.0020
10040	0.029	0.361	0.823	0.0023	0.0076	0.0086
10050	0.041	0.357	0.843	0.0024	0.0077	0.0089
10060	0.053	0.354	0.863	0.0025	0.0077	0.0092
10068	0.069	0.348	0.884	0.0047	0.0068	0.0158
10069	0.087	0.305	0.891	0.0297	-0.0046	0.0219
10070	0.143	0.253	0.826	0.0442	-0.0069	0.0409
10078	0.218	0.231	0.747	0.0441	-0.0128	0.0424
10079	0.291	0.174	0.650	0.0444	-0.0220	0.0391
10080	0.294	0.106	0.549	0.0476	-0.0460	0.0214
10090	0.150	-0.085	0.000	0.0252	-0.0382	0.0127
10100	0.018	-0.191	-0.269	0.0047	-0.0153	0.0067
10108	-0.005	-0.203	-0.299	0.0039	-0.0153	0.0060
10109	-0.028	-0.196	-0.316	0.0077	-0.0033	-0.0029
10110	-0.029	-0.168	-0.290	0.0213	0.0058	-0.0027
10120	-0.028	-0.167	-0.288	0.0214	0.0061	-0.0027
10130	-0.024	-0.147	-0.255	0.0215	0.0062	-0.0026
10140	-0.003	-0.031	-0.053	0.0217	0.0071	-0.0019
10150	-0.001	-0.011	-0.020	0.0215	0.0073	-0.0018
10160	0.000	-0.000	-0.000	0.0169	0.0090	-0.0013
10170	0.001	0.031	0.022	0.0042	0.0143	-0.0012
10180	0.002	0.052	0.021	-0.0018	0.0181	-0.0000
10190	0.002	0.072	0.018	-0.0019	0.0183	0.0001
10200	0.002	0.105	0.012	-0.0021	0.0186	0.0002
10210	0.071	0.113	0.058	-0.0021	0.0188	0.0002
10220	0.159	0.123	0.117	-0.0021	0.0189	0.0002
10230	0.001	0.139	0.007	-0.0022	0.0184	0.0002
10240	-0.002	-0.195	-0.247	0.0008	-0.0090	0.0050

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.008	-0.192	-0.226	-0.0069	0.0027	0.0010
10260	-0.005	-0.183	-0.211	-0.0071	0.0030	0.0009
10270	0.014	-0.142	-0.141	-0.0077	0.0038	0.0004
10280	0.019	-0.132	-0.126	-0.0078	0.0039	0.0003
10290	0.030	-0.121	-0.110	-0.0119	0.0198	-0.0126
10300	0.052	-0.108	-0.096	-0.0119	0.0201	-0.0128
10310	0.090	-0.086	-0.073	-0.0119	0.0206	-0.0131
10320	0.064	-0.059	-0.030	-0.0118	0.0204	-0.0133
10330	0.020	0.019	0.001	0.0053	0.0128	-0.0116
10338	0.134	-0.187	-0.070	0.0125	0.0021	-0.0132
10339	0.141	-0.179	-0.063	0.0154	-0.0045	0.0230
10340	0.109	-0.153	-0.044	0.0198	-0.0077	0.0483
10345	0.000	-0.126	0.000	0.0206	-0.0104	0.0448
10350	0.000	0.048	-0.000	-0.0460	-0.0282	-0.0516
10358	0.131	0.076	-0.123	-0.0562	-0.0310	-0.0608
10359	0.182	0.110	-0.184	-0.0397	-0.0249	-0.0485
10360	0.186	0.147	-0.211	-0.0207	0.0043	-0.0172
10370	0.185	0.148	-0.211	-0.0201	0.0046	-0.0168
10380	0.169	0.169	-0.205	-0.0197	0.0050	-0.0166
10390	0.140	0.208	-0.192	-0.0190	0.0062	-0.0161
10400	0.171	0.290	-0.138	-0.0190	0.0077	-0.0161
10410	0.268	0.507	0.007	-0.0190	0.0087	-0.0161
10420	0.110	0.245	-0.177	-0.0183	0.0067	-0.0156
10430	0.049	-0.044	-0.006	-0.0118	0.0198	-0.0133
10440	0.022	-0.024	0.006	-0.0109	-0.0014	-0.0135
10445	0.000	-0.000	-0.000	-0.0107	-0.0121	-0.0133
10449	-0.100	0.123	-0.415	-0.0100	-0.0391	-0.0097
10450	-0.065	0.112	-0.463	-0.0089	-0.0064	-0.0095
10451	-0.112	0.111	-0.316	-0.0097	-0.0456	-0.0118
10460	-0.064	0.111	-0.465	-0.0089	-0.0062	-0.0095
10470	-0.056	0.099	-0.481	-0.0089	-0.0060	-0.0095
10480	-0.023	0.049	-0.553	-0.0088	-0.0056	-0.0094
10490	-0.016	0.037	-0.570	-0.0088	-0.0055	-0.0094
10500	0.000	-0.000	-0.625	-0.0081	-0.0042	-0.0087
10510	0.042	-0.057	-0.727	-0.0053	-0.0055	-0.0073
10518	0.067	-0.075	-0.785	-0.0023	-0.0052	-0.0065
10519	0.078	-0.054	-0.801	0.0152	-0.0010	-0.0045
10520	0.081	-0.014	-0.766	0.0321	0.0014	0.0001
10525	0.000	0.307	-0.000	0.0168	0.0084	0.0059
10530	-0.025	0.359	0.048	0.0086	0.0096	0.0065
10538	-0.446	0.764	0.038	0.0049	0.0187	0.0201
10539	-0.481	0.807	0.048	0.0189	0.0149	0.0259
10540	-0.478	0.870	0.038	0.0228	0.0138	0.0284
10550	-0.368	1.116	-0.094	0.0322	0.0163	0.0257
10560	-0.339	1.173	-0.131	0.0346	0.0173	0.0241
10570	-0.200	0.889	-0.030	0.0356	0.0175	0.0204
10578	-0.120	0.726	0.029	0.0348	0.0177	0.0183
10579	-0.051	0.630	0.034	0.0213	0.0161	0.0154
10580	-0.004	0.575	0.008	0.0098	0.0130	0.0049

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	0.000	0.564	-0.000	0.0097	0.0131	0.0046
10600	0.013	0.533	-0.030	0.0077	0.0134	0.0031
10610	0.019	0.511	-0.044	0.0075	0.0135	0.0030
10620	0.049	0.346	-0.122	0.0042	0.0136	0.0015
10630	0.051	0.324	-0.129	0.0038	0.0136	0.0013
10640	0.047	0.293	-0.123	-0.0041	0.0139	-0.0022
10648	-0.383	1.261	-0.163	0.0341	0.0175	0.0245
10649	-0.420	1.368	-0.220	0.0228	0.0185	0.0208
10650	-0.406	1.440	-0.284	0.0173	0.0162	0.0132
10658	-0.372	1.477	-0.329	0.0154	0.0159	0.0126
10659	-0.335	1.477	-0.377	0.0082	0.0062	-0.0049
10660	-0.365	1.428	-0.376	-0.0117	-0.0011	-0.0254
10690	0.038	0.262	-0.101	-0.0091	0.0145	-0.0038
10700	0.024	0.232	-0.067	-0.0138	0.0158	-0.0051
10710	0.016	0.212	-0.045	-0.0138	0.0159	-0.0051
11120	0.074	0.281	-0.152	-0.0098	0.0117	-0.0078
11130	0.094	0.265	-0.168	-0.0179	0.0070	-0.0152
11190	0.001	0.159	0.004	-0.0025	0.0184	0.0001
11200	0.000	0.174	-0.000	-0.0084	0.0172	-0.0024
11210	0.007	0.190	-0.020	-0.0137	0.0159	-0.0050
11220	0.015	0.209	-0.042	-0.0138	0.0159	-0.0051
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.002	0.365	0.727	0.0001	0.0008	0.0004
11560	0.007	0.364	0.763	0.0003	0.0026	0.0014
11570	0.012	0.364	0.782	0.0004	0.0029	0.0017
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.002	0.365	0.727	0.0001	0.0008	0.0004
13560	0.007	0.364	0.763	0.0003	0.0026	0.0014
13570	0.012	0.364	0.782	0.0004	0.0029	0.0017
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.002	0.365	0.727	0.0001	0.0008	0.0004

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 20 (OPE) W+T3+U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.007	0.364	0.763	0.0003	0.0026	0.0014
15570	0.012	0.364	0.782	0.0004	0.0030	0.0017
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.002	0.365	0.727	0.0001	0.0008	0.0004
17560	0.007	0.364	0.763	0.0003	0.0025	0.0014
17570	0.011	0.364	0.782	0.0004	0.0029	0.0017
18000	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.001	-0.000	0.172	0.0001	0.0001	-0.0001
18020	0.006	-0.002	0.451	0.0001	0.0003	-0.0002
18022	0.074	-0.004	0.449	0.0001	0.0004	-0.0002
18025	0.074	-0.004	0.449	0.0001	0.0004	-0.0002
18027	0.096	-0.005	0.447	0.0003	0.0011	-0.0008
18030	0.120	-0.006	0.445	0.0003	0.0012	-0.0008
18040	0.013	-0.005	0.726	0.0001	0.0003	-0.0002
18042	0.013	-0.005	0.726	0.0001	0.0003	-0.0002
18045	0.013	-0.005	0.748	0.0002	0.0003	-0.0003
18050	0.014	-0.005	0.771	0.0002	0.0003	-0.0004
19000	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
19500	0.084	0.127	0.837	-0.0024	0.0016	-0.0001
19550	0.085	0.216	0.814	-0.0024	0.0016	-0.0001
19560	0.085	0.216	0.814	-0.0024	0.0016	-0.0001
19580	0.085	0.226	0.812	-0.0025	0.0019	0.0000
19600	0.085	0.244	0.807	-0.0025	0.0019	0.0000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.000	0.363	0.782	0.0006	0.0000	0.0008
30	0.000	0.362	0.802	0.0007	0.0000	0.0010
40	0.000	0.359	0.824	0.0029	-0.0003	0.0042
50	-0.000	0.354	0.843	0.0030	-0.0004	0.0043
60	-0.001	0.349	0.863	0.0031	-0.0004	0.0045
68	-0.002	0.342	0.885	0.0051	-0.0021	0.0077
69	-0.015	0.303	0.893	0.0252	-0.0174	0.0077
70	-0.008	0.256	0.841	0.0366	-0.0210	0.0161
78	0.022	0.234	0.776	0.0367	-0.0249	0.0173
79	0.051	0.193	0.684	0.0383	-0.0315	0.0219
80	0.044	0.143	0.577	0.0410	-0.0484	0.0195
90	-0.102	-0.064	0.000	0.0275	-0.0444	0.0153
95	-0.187	-0.154	-0.258	0.0196	-0.0306	0.0111
100	-0.236	-0.192	-0.359	0.0150	-0.0204	0.0078
108	-0.259	-0.206	-0.399	0.0162	-0.0221	0.0071
109	-0.282	-0.200	-0.437	0.0172	-0.0276	-0.0052
110	-0.268	-0.168	-0.415	0.0308	-0.0244	-0.0200
120	-0.265	-0.167	-0.411	0.0310	-0.0244	-0.0201
130	-0.234	-0.147	-0.363	0.0311	-0.0244	-0.0202
140	-0.048	-0.031	-0.075	0.0309	-0.0245	-0.0198
150	-0.017	-0.011	-0.027	0.0305	-0.0245	-0.0195
160	-0.000	-0.000	-0.000	0.0241	-0.0247	-0.0151
170	0.018	0.031	0.033	0.0061	-0.0251	-0.0041
180	0.018	0.052	0.033	-0.0026	-0.0275	0.0013
190	0.016	0.071	0.028	-0.0029	-0.0276	0.0015
200	0.012	0.105	0.020	-0.0031	-0.0278	0.0017
210	-0.091	0.116	0.066	-0.0031	-0.0281	0.0017
220	-0.222	0.131	0.125	-0.0031	-0.0281	0.0017
230	0.007	0.138	0.012	-0.0035	-0.0275	0.0019
240	-0.257	-0.213	-0.337	0.0102	-0.0063	0.0048
250	-0.250	-0.223	-0.317	0.0004	0.0229	-0.0024
260	-0.222	-0.223	-0.302	0.0002	0.0236	-0.0026
270	-0.083	-0.222	-0.232	-0.0006	0.0260	-0.0035
280	-0.052	-0.221	-0.217	-0.0007	0.0262	-0.0037
290	-0.015	-0.216	-0.202	-0.0088	0.0366	-0.0266
300	0.027	-0.206	-0.188	-0.0089	0.0365	-0.0270
310	0.094	-0.190	-0.164	-0.0089	0.0360	-0.0276
320	0.068	-0.133	-0.092	-0.0089	0.0351	-0.0279
330	0.037	0.019	0.063	0.0048	-0.0149	-0.0093
338	0.151	-0.077	0.030	-0.0035	0.0118	0.0022
339	0.152	-0.055	0.017	-0.0041	0.0110	0.0347
340	0.112	-0.026	0.008	-0.0041	0.0098	0.0516
345	0.000	0.001	0.000	-0.0027	0.0075	0.0430
350	-0.000	0.180	-0.000	-0.0052	-0.0073	-0.0234
358	0.052	0.207	-0.016	-0.0077	-0.0096	-0.0234
359	0.067	0.227	-0.028	-0.0075	-0.0105	-0.0169
360	0.061	0.243	-0.041	-0.0061	-0.0097	-0.0063

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.060	0.244	-0.042	-0.0060	-0.0097	-0.0061
380	0.044	0.252	-0.054	-0.0059	-0.0096	-0.0061
390	0.014	0.266	-0.076	-0.0059	-0.0095	-0.0059
400	-0.031	0.291	-0.022	-0.0059	-0.0110	-0.0059
410	-0.166	0.358	0.123	-0.0059	-0.0120	-0.0059
420	-0.015	0.279	-0.097	-0.0058	-0.0087	-0.0056
430	0.054	-0.101	-0.051	-0.0089	0.0343	-0.0280
440	0.022	-0.053	-0.018	-0.0090	0.0125	-0.0297
444	-0.000	-0.000	-0.000	-0.0090	0.0036	-0.0299
449	-0.094	0.243	-0.139	-0.0121	-0.0203	-0.0208
450	-0.080	0.230	-0.176	-0.0173	-0.0065	-0.0172
451	-0.088	0.204	-0.085	-0.0092	-0.0188	-0.0287
460	-0.079	0.227	-0.178	-0.0173	-0.0064	-0.0171
470	-0.070	0.204	-0.195	-0.0174	-0.0064	-0.0170
480	-0.034	0.106	-0.267	-0.0175	-0.0064	-0.0169
490	-0.026	0.082	-0.284	-0.0175	-0.0064	-0.0168
500	-0.000	-0.000	-0.339	-0.0207	-0.0042	-0.0140
510	0.013	-0.185	-0.440	-0.0235	-0.0002	-0.0088
518	0.012	-0.290	-0.499	-0.0216	-0.0001	-0.0058
519	0.017	-0.306	-0.530	-0.0035	-0.0005	-0.0042
520	0.019	-0.280	-0.526	0.0170	0.0004	0.0015
530	-0.000	0.088	-0.000	0.0033	-0.0105	-0.0039
538	0.360	0.487	-0.528	-0.0224	-0.0227	-0.0155
539	0.398	0.499	-0.549	-0.0186	-0.0252	-0.0133
540	0.432	0.488	-0.510	-0.0160	-0.0314	-0.0090
550	0.522	0.430	-0.290	-0.0151	-0.0330	-0.0072
560	0.551	0.415	-0.214	-0.0147	-0.0332	-0.0065
570	0.283	0.529	-0.112	-0.0138	-0.0329	-0.0077
578	0.134	0.591	-0.054	-0.0132	-0.0321	-0.0084
579	0.047	0.606	-0.007	-0.0064	-0.0241	-0.0063
580	0.005	0.573	0.007	0.0088	-0.0219	-0.0053
590	-0.000	0.562	-0.000	0.0092	-0.0215	-0.0053
600	-0.016	0.531	-0.031	0.0087	-0.0206	-0.0046
610	-0.025	0.509	-0.047	0.0085	-0.0205	-0.0045
620	-0.074	0.344	-0.141	0.0054	-0.0202	-0.0029
630	-0.078	0.322	-0.149	0.0049	-0.0202	-0.0027
640	-0.078	0.291	-0.146	-0.0039	-0.0192	0.0017
648	0.634	0.377	-0.246	-0.0149	-0.0329	-0.0059
649	0.728	0.328	-0.252	-0.0151	-0.0219	-0.0045
650	0.784	0.307	-0.225	-0.0132	-0.0091	0.0023
658	0.819	0.313	-0.202	-0.0134	-0.0085	0.0029
659	0.866	0.319	-0.172	-0.0124	-0.0037	0.0120
660	0.923	0.300	-0.131	-0.0152	-0.0038	0.0154
670	1.032	0.208	-0.019	-0.0164	-0.0028	0.0136
680	1.076	0.165	0.038	-0.0171	-0.0023	0.0115
690	-0.065	0.260	-0.122	-0.0104	-0.0204	0.0053
700	-0.044	0.231	-0.081	-0.0166	-0.0227	0.0089
705	0.878	-0.000	-0.000	-0.0178	-0.0029	0.0092
710	-0.029	0.211	-0.055	-0.0167	-0.0228	0.0089

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.123	0.209	0.047	-0.0171	-0.0023	0.0115
730	0.199	-0.157	-0.038	-0.0201	0.0031	-0.0063
735	-0.000	0.002	-0.000	-0.0204	0.0001	-0.0149
740	-0.336	0.567	-0.085	-0.0208	-0.0038	-0.0260
750	-0.661	1.268	-0.168	-0.0214	-0.0027	-0.0269
758	-0.709	1.369	-0.178	-0.0218	-0.0030	-0.0266
759	-0.799	1.434	-0.178	-0.0183	-0.0140	-0.0088
760	-0.804	1.375	-0.143	-0.0101	-0.0196	0.0153
770	-0.644	1.253	-0.051	-0.0079	-0.0229	0.0172
775	-0.503	1.155	-0.000	-0.0039	-0.0256	0.0180
780	-0.352	1.052	0.008	-0.0002	-0.0284	0.0181
785	-0.000	0.762	0.000	-0.0023	-0.0353	0.0087
790	0.064	0.436	0.168	-0.0095	-0.0431	-0.0012
792	0.054	0.151	0.372	-0.0057	-0.0501	0.0012
795	0.068	0.043	0.407	-0.0041	-0.0491	0.0012
797	0.074	-0.000	0.420	-0.0043	-0.0486	0.0013
798	0.131	-0.326	0.554	-0.0052	-0.0457	0.0015
799	0.203	-0.379	0.528	0.0069	-0.0405	-0.0086
800	0.338	-0.344	0.448	0.0157	-0.0263	-0.0150
808	0.395	-0.310	0.421	0.0157	-0.0259	-0.0154
809	0.450	-0.214	0.337	0.0107	-0.0067	-0.0143
810	0.392	-0.140	0.322	0.0069	0.0074	-0.0088
850	0.133	-0.008	0.447	0.0004	0.0008	-0.0009
860	0.110	-0.006	0.449	0.0003	0.0007	-0.0008
870	0.007	0.142	0.185	-0.0050	-0.0518	0.0020
875	-0.038	0.131	-0.000	-0.0043	-0.0545	0.0021
878	-0.150	0.116	-0.515	-0.0025	-0.0592	0.0013
879	-0.329	0.128	-0.783	-0.0023	-0.0565	-0.0030
880	-0.553	0.129	-0.818	0.0050	-0.0258	-0.0018
888	-1.242	-0.331	-0.002	0.0069	0.0028	-0.0122
889	-1.160	-0.378	0.027	0.0040	0.0204	-0.0126
890	-1.054	-0.457	-0.064	0.0050	0.0266	-0.0184
899	-0.946	-0.538	-0.181	0.0045	0.0265	-0.0259
900	-0.792	-0.531	-0.212	0.0042	0.0259	-0.0262
902	-0.000	-0.000	-0.000	0.0039	0.0205	-0.0020
905	-0.477	0.446	-0.000	-0.0061	0.0160	0.0233
908	-0.807	0.617	-0.119	-0.0103	0.0143	0.0246
909	-0.870	0.708	-0.216	-0.0157	0.0146	0.0099
910	-0.816	0.731	-0.291	-0.0125	0.0032	-0.0100
920	-0.671	0.603	-0.312	-0.0130	0.0003	-0.0118
925	-0.000	0.001	-0.000	-0.0158	-0.0030	-0.0074
930	0.207	-0.082	-0.010	-0.0167	0.0020	-0.0033
935	0.882	0.000	-0.000	-0.0150	-0.0016	0.0059
940	1.085	0.118	0.017	-0.0145	-0.0009	0.0084
950	1.133	0.150	0.020	-0.0145	-0.0009	0.0084
960	-0.449	1.051	0.051	0.0001	-0.0285	0.0208
968	-0.523	1.050	0.083	0.0001	-0.0281	0.0229
969	-0.621	1.069	0.116	-0.0040	-0.0229	0.0246
970	-0.731	1.111	0.114	-0.0072	-0.0237	0.0349

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-1.327	1.321	0.016	-0.0035	-0.0125	0.0334
979	-1.375	1.377	0.035	0.0044	-0.0114	0.0084
980	-1.339	1.376	0.056	0.0027	0.0025	-0.0173
985	-1.204	1.167	-0.000	0.0082	0.0086	-0.0209
988	-1.018	0.854	-0.176	0.0156	0.0144	-0.0209
989	-0.959	0.779	-0.213	0.0176	0.0230	-0.0194
990	-0.866	0.694	-0.208	0.0271	0.0333	-0.0213
1000	-0.595	0.473	-0.108	0.0289	0.0362	-0.0190
1010	-0.547	0.435	-0.091	0.0290	0.0369	-0.0186
1012	-0.487	0.388	-0.071	0.0290	0.0369	-0.0186
1016	-0.233	0.188	0.016	0.0290	0.0371	-0.0184
1020	-0.173	0.142	0.037	0.0290	0.0370	-0.0184
1029	-0.086	0.049	0.050	0.0217	0.0124	-0.0140
1030	-0.040	0.004	0.045	0.0164	0.0152	-0.0016
1035	-0.000	0.000	-0.000	0.0157	0.0200	-0.0005
1040	0.039	0.000	-0.078	0.0150	0.0260	0.0006
1045	0.084	-0.004	-0.145	0.0140	0.0315	0.0021
1050	0.101	-0.000	-0.189	0.0140	0.0317	0.0022
1070	0.218	-0.114	-0.106	-0.0203	0.0033	-0.0056
1080	1.051	0.161	-0.031	-0.0140	-0.0016	0.0106
1090	0.217	-0.040	-0.069	-0.0177	0.0017	-0.0028
1100	-0.575	1.310	-0.239	-0.0202	-0.0023	-0.0247
1110	-0.631	0.646	-0.356	-0.0128	0.0015	-0.0115
1120	-0.051	0.291	-0.119	-0.0047	-0.0113	-0.0015
1130	-0.032	0.286	-0.108	-0.0057	-0.0086	-0.0054
1190	0.004	0.158	0.006	-0.0038	-0.0274	0.0021
1200	-0.000	0.173	-0.000	-0.0106	-0.0252	0.0058
1210	-0.013	0.188	-0.024	-0.0165	-0.0230	0.0089
1220	-0.027	0.208	-0.051	-0.0167	-0.0228	0.0089
1230	-0.009	-0.005	0.771	0.0002	-0.0004	-0.0004
1240	-0.010	-0.005	0.794	0.0003	-0.0005	-0.0004
1248	-0.046	-0.039	1.003	0.0041	-0.0023	-0.0049
1249	-0.061	-0.138	1.023	0.0283	0.0002	-0.0059
1250	-0.101	-0.266	0.868	0.0455	-0.0003	-0.0116
1258	-0.247	-0.425	0.313	0.0455	0.0024	-0.0119
1259	-0.264	-0.502	0.111	0.0398	0.0022	-0.0045
1260	-0.207	-0.529	0.015	0.0395	0.0073	0.0043
1268	0.012	-0.450	-0.121	0.0355	0.0087	0.0052
1269	0.062	-0.402	-0.126	0.0282	0.0221	0.0052
1270	0.068	-0.335	-0.091	0.0076	0.0309	0.0038
1275	-0.000	-0.088	-0.000	-0.0005	0.0346	0.0044
1280	-0.090	0.266	-0.097	0.0002	0.0400	0.0004
1285	-0.090	0.289	-0.097	0.0003	0.0400	0.0003
1290	-0.090	0.313	-0.096	0.0003	0.0400	0.0003
1300	-0.090	0.318	-0.096	0.0006	0.0401	0.0002
1310	-0.090	0.322	-0.096	0.0008	0.0402	0.0000
1315	-0.090	0.346	-0.094	0.0009	0.0402	-0.0000
1320	-0.089	0.369	-0.092	0.0010	0.0402	-0.0001
1325	0.004	0.684	0.120	0.0129	0.0451	-0.0046

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.055	0.811	0.262	0.0133	0.0471	-0.0035
1329	0.001	0.847	0.385	-0.0002	0.0424	0.0193
1330	-0.108	0.728	0.552	-0.0076	0.0303	0.0386
1338	-0.159	0.565	0.680	-0.0097	0.0294	0.0389
1339	-0.148	0.367	0.781	-0.0050	0.0068	0.0302
1340	-0.092	0.263	0.803	-0.0024	-0.0003	0.0016
1350	-0.091	0.259	0.804	-0.0024	-0.0006	0.0015
1360	-0.088	0.236	0.808	-0.0024	-0.0007	0.0014
1373	0.135	0.006	-0.274	0.0138	0.0319	0.0024
1376	0.048	0.043	-0.308	0.0136	0.0318	0.0027
1380	0.007	0.060	-0.324	0.0136	0.0316	0.0029
1390	-0.046	0.083	-0.347	0.0114	0.0277	0.0062
1392	-0.084	0.098	-0.365	0.0113	0.0276	0.0063
1396	-0.239	0.162	-0.437	0.0111	0.0269	0.0066
1400	-0.276	0.177	-0.454	0.0110	0.0268	0.0067
1410	-0.400	0.219	-0.526	0.0032	0.0176	0.0138
1418	-0.443	0.223	-0.560	-0.0010	0.0152	0.0172
1419	-0.440	0.180	-0.565	-0.0344	0.0004	0.0254
1420	-0.375	0.122	-0.485	-0.0545	-0.0056	0.0389
1425	-0.000	-0.000	-0.000	-0.0356	-0.0082	0.0349
1428	0.603	-0.353	-0.034	0.0159	-0.0155	0.0121
1429	0.605	-0.380	-0.073	0.0120	-0.0147	-0.0001
1430	0.578	-0.378	-0.107	0.0098	-0.0128	-0.0111
1435	-0.001	-0.000	-0.000	-0.0164	0.0147	0.0082
1438	-0.073	-0.065	0.080	-0.0197	0.0142	0.0122
1439	-0.112	-0.093	0.090	-0.0203	0.0153	0.0113
1440	-0.154	-0.111	0.058	-0.0194	0.0139	0.0073
1448	-0.184	-0.121	0.012	-0.0189	0.0146	0.0060
1449	-0.196	-0.120	-0.010	-0.0133	0.0130	0.0024
1450	-0.199	-0.109	-0.023	-0.0064	0.0124	-0.0032
1455	-0.000	0.164	0.000	0.0069	0.0178	-0.0138
1458	0.030	0.191	0.017	0.0068	0.0184	-0.0145
1459	0.050	0.214	0.010	-0.0076	0.0168	-0.0212
1460	0.038	0.189	-0.025	-0.0279	0.0158	-0.0235
1470	-0.396	-0.275	-0.578	0.0446	0.0035	-0.0527
1480	-0.402	-0.189	-0.600	0.0522	0.0036	-0.0538
1490	-0.409	-0.087	-0.623	0.0604	0.0038	-0.0550
1495	-0.322	-0.067	-0.522	0.0664	0.0038	-0.0557
1497	-0.222	-0.045	-0.391	0.0814	0.0038	-0.0576
1498	-0.675	1.939	-0.968	0.0893	0.0145	-0.0509
1499	-0.686	2.005	-0.987	0.0943	0.0177	-0.0492
1500	-0.000	0.001	-0.000	0.1148	0.0038	-0.0616
1504	-0.416	0.024	-0.646	0.0607	0.0041	-0.0550
1505	-0.681	1.997	-1.009	0.0964	0.0197	-0.0472
1506	-0.424	0.132	-0.669	0.0618	0.0049	-0.0549
1508	-0.205	0.056	-0.442	0.1363	-0.0534	-0.0628
1509	-0.167	-0.001	-0.337	0.1385	-0.0561	-0.0688
1510	-0.095	-0.016	-0.183	0.1417	-0.0573	-0.0732
1520	-0.000	-0.000	-0.000	0.1420	-0.0573	-0.0735

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	-0.000	0.363	0.782	0.0006	-0.0000	0.0008
2030	-0.000	0.362	0.802	0.0007	-0.0000	0.0009
2040	-0.000	0.358	0.824	0.0030	-0.0005	0.0041
2050	-0.001	0.353	0.843	0.0031	-0.0005	0.0043
2060	-0.001	0.349	0.863	0.0032	-0.0005	0.0044
2068	-0.003	0.341	0.885	0.0052	-0.0023	0.0076
2069	-0.016	0.302	0.893	0.0253	-0.0177	0.0075
2070	-0.011	0.255	0.841	0.0366	-0.0212	0.0159
2078	0.019	0.232	0.776	0.0367	-0.0251	0.0170
2079	0.048	0.192	0.683	0.0382	-0.0316	0.0219
2080	0.041	0.142	0.576	0.0409	-0.0484	0.0198
2090	-0.105	-0.069	0.000	0.0273	-0.0443	0.0155
2100	-0.239	-0.195	-0.357	0.0149	-0.0196	0.0073
2108	-0.262	-0.208	-0.395	0.0157	-0.0210	0.0065
2109	-0.285	-0.200	-0.427	0.0170	-0.0231	-0.0058
2110	-0.269	-0.168	-0.403	0.0299	-0.0190	-0.0202
2120	-0.267	-0.167	-0.399	0.0300	-0.0190	-0.0203
2130	-0.235	-0.147	-0.352	0.0301	-0.0190	-0.0203
2140	-0.048	-0.031	-0.073	0.0300	-0.0188	-0.0199
2150	-0.017	-0.011	-0.026	0.0296	-0.0188	-0.0196
2160	-0.000	-0.000	-0.000	0.0234	-0.0186	-0.0152
2170	0.018	0.031	0.032	0.0059	-0.0180	-0.0041
2180	0.019	0.052	0.031	-0.0025	-0.0193	0.0014
2190	0.016	0.071	0.027	-0.0028	-0.0193	0.0015
2200	0.012	0.105	0.019	-0.0030	-0.0194	0.0017
2210	-0.060	0.116	0.065	-0.0030	-0.0197	0.0017
2220	-0.152	0.130	0.124	-0.0030	-0.0198	0.0017
2230	0.007	0.138	0.011	-0.0033	-0.0191	0.0020
2240	-0.259	-0.216	-0.335	0.0107	-0.0057	0.0040
2250	-0.251	-0.228	-0.315	0.0021	0.0231	-0.0037
2260	-0.223	-0.230	-0.300	0.0019	0.0239	-0.0039
2270	-0.083	-0.239	-0.229	0.0012	0.0262	-0.0049
2280	-0.052	-0.240	-0.214	0.0011	0.0264	-0.0051
2290	-0.014	-0.237	-0.200	-0.0078	0.0363	-0.0297
2300	0.027	-0.228	-0.185	-0.0079	0.0363	-0.0301
2310	0.094	-0.213	-0.162	-0.0080	0.0357	-0.0308
2320	0.068	-0.151	-0.090	-0.0080	0.0349	-0.0311
2330	0.037	0.019	0.053	0.0050	-0.0099	-0.0094
2338	0.151	-0.078	0.012	-0.0008	0.0100	0.0022
2339	0.152	-0.056	0.003	-0.0008	0.0080	0.0347
2340	0.112	-0.027	-0.000	0.0000	0.0065	0.0517
2345	0.000	0.001	0.000	0.0012	0.0040	0.0430
2350	-0.000	0.179	-0.000	-0.0119	-0.0119	-0.0232
2358	0.051	0.207	-0.033	-0.0156	-0.0143	-0.0230
2359	0.066	0.226	-0.054	-0.0128	-0.0141	-0.0168
2360	0.060	0.243	-0.070	-0.0084	-0.0088	-0.0063
2370	0.059	0.243	-0.071	-0.0082	-0.0087	-0.0062
2380	0.043	0.251	-0.082	-0.0081	-0.0086	-0.0061
2390	0.013	0.265	-0.102	-0.0080	-0.0083	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	-0.027	0.299	-0.047	-0.0080	-0.0098	-0.0059
2410	-0.148	0.390	0.097	-0.0080	-0.0108	-0.0059
2420	-0.017	0.279	-0.120	-0.0078	-0.0072	-0.0057
2430	0.054	-0.114	-0.049	-0.0080	0.0340	-0.0312
2440	0.022	-0.059	-0.017	-0.0088	0.0120	-0.0336
2445	-0.000	-0.000	-0.000	-0.0091	0.0029	-0.0341
2449	-0.094	0.284	-0.146	-0.0132	-0.0206	-0.0260
2450	-0.079	0.272	-0.183	-0.0203	-0.0063	-0.0219
2451	-0.088	0.237	-0.091	-0.0100	-0.0197	-0.0336
2460	-0.078	0.269	-0.185	-0.0204	-0.0063	-0.0218
2470	-0.070	0.242	-0.202	-0.0204	-0.0062	-0.0217
2480	-0.035	0.126	-0.274	-0.0206	-0.0063	-0.0216
2490	-0.026	0.099	-0.291	-0.0206	-0.0063	-0.0215
2500	-0.000	-0.000	-0.346	-0.0251	-0.0046	-0.0188
2510	0.020	-0.229	-0.448	-0.0296	-0.0012	-0.0138
2518	0.024	-0.363	-0.506	-0.0279	-0.0008	-0.0109
2519	0.031	-0.390	-0.542	-0.0085	0.0011	-0.0084
2520	0.039	-0.367	-0.545	0.0144	0.0031	-0.0013
2530	-0.000	0.001	-0.000	0.0087	-0.0016	0.0031
2538	-0.039	0.403	-0.258	-0.0148	-0.0069	-0.0031
2539	-0.018	0.421	-0.284	-0.0180	-0.0064	-0.0084
2540	0.013	0.410	-0.287	-0.0189	-0.0067	-0.0119
2550	0.101	0.326	-0.242	-0.0211	-0.0062	-0.0118
2560	0.130	0.300	-0.228	-0.0218	-0.0056	-0.0113
2570	0.086	0.473	-0.126	-0.0213	-0.0055	-0.0097
2578	0.061	0.569	-0.068	-0.0206	-0.0056	-0.0088
2579	0.033	0.601	-0.014	-0.0109	-0.0068	-0.0084
2580	0.005	0.572	0.007	0.0082	-0.0066	-0.0058
2590	-0.000	0.561	-0.000	0.0087	-0.0068	-0.0057
2600	-0.017	0.531	-0.030	0.0084	-0.0072	-0.0046
2610	-0.025	0.509	-0.045	0.0082	-0.0072	-0.0045
2620	-0.075	0.344	-0.135	0.0051	-0.0073	-0.0029
2630	-0.080	0.322	-0.144	0.0047	-0.0073	-0.0027
2640	-0.079	0.291	-0.141	-0.0039	-0.0077	0.0017
2648	0.143	0.245	-0.260	-0.0219	-0.0053	-0.0116
2649	0.167	0.168	-0.293	-0.0225	-0.0005	-0.0123
2650	0.201	0.106	-0.313	-0.0225	0.0032	-0.0127
2658	0.236	0.070	-0.322	-0.0222	0.0032	-0.0126
2659	0.259	0.023	-0.307	-0.0218	0.0035	-0.0089
2660	0.255	-0.022	-0.252	-0.0206	0.0036	-0.0052
2690	-0.066	0.260	-0.117	-0.0100	-0.0093	0.0054
2700	-0.044	0.230	-0.078	-0.0159	-0.0125	0.0090
2710	-0.030	0.211	-0.053	-0.0160	-0.0126	0.0090
3120	-0.052	0.291	-0.133	-0.0054	-0.0043	-0.0015
3130	-0.033	0.286	-0.128	-0.0077	-0.0069	-0.0055
3190	0.004	0.158	0.006	-0.0036	-0.0189	0.0021
3200	-0.000	0.173	-0.000	-0.0102	-0.0159	0.0059
3210	-0.013	0.188	-0.023	-0.0159	-0.0128	0.0090
3220	-0.028	0.208	-0.049	-0.0160	-0.0127	0.0090

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.000	0.363	0.782	0.0006	0.0000	0.0008
4030	0.000	0.362	0.802	0.0007	0.0000	0.0010
4040	0.000	0.359	0.824	0.0029	-0.0003	0.0042
4050	-0.000	0.354	0.843	0.0030	-0.0004	0.0043
4060	-0.001	0.349	0.863	0.0031	-0.0004	0.0045
4068	-0.002	0.342	0.885	0.0051	-0.0021	0.0077
4069	-0.015	0.303	0.893	0.0252	-0.0174	0.0077
4070	-0.008	0.256	0.841	0.0367	-0.0210	0.0162
4078	0.022	0.234	0.776	0.0368	-0.0249	0.0173
4079	0.051	0.193	0.683	0.0383	-0.0315	0.0219
4080	0.045	0.143	0.576	0.0410	-0.0484	0.0194
4090	-0.102	-0.063	0.000	0.0273	-0.0442	0.0153
4100	-0.235	-0.191	-0.357	0.0148	-0.0203	0.0080
4108	-0.259	-0.206	-0.397	0.0160	-0.0220	0.0073
4109	-0.282	-0.200	-0.435	0.0169	-0.0278	-0.0051
4110	-0.268	-0.168	-0.414	0.0307	-0.0246	-0.0200
4120	-0.265	-0.167	-0.410	0.0309	-0.0246	-0.0201
4130	-0.234	-0.147	-0.362	0.0310	-0.0246	-0.0202
4140	-0.048	-0.031	-0.075	0.0308	-0.0247	-0.0198
4150	-0.017	-0.011	-0.027	0.0304	-0.0247	-0.0195
4160	-0.000	-0.000	-0.000	0.0241	-0.0249	-0.0151
4170	0.018	0.031	0.033	0.0061	-0.0253	-0.0041
4180	0.018	0.052	0.033	-0.0026	-0.0278	0.0013
4190	0.016	0.071	0.028	-0.0028	-0.0279	0.0015
4200	0.012	0.105	0.020	-0.0031	-0.0281	0.0017
4210	-0.092	0.116	0.066	-0.0031	-0.0284	0.0017
4220	-0.224	0.131	0.125	-0.0031	-0.0285	0.0017
4230	0.007	0.138	0.012	-0.0034	-0.0279	0.0019
4240	-0.257	-0.212	-0.335	0.0099	-0.0062	0.0050
4250	-0.249	-0.222	-0.315	-0.0000	0.0229	-0.0020
4260	-0.221	-0.221	-0.300	-0.0002	0.0236	-0.0022
4270	-0.083	-0.217	-0.230	-0.0010	0.0260	-0.0031
4280	-0.052	-0.216	-0.215	-0.0011	0.0262	-0.0033
4290	-0.014	-0.211	-0.200	-0.0090	0.0364	-0.0258
4300	0.027	-0.200	-0.186	-0.0091	0.0363	-0.0262
4310	0.094	-0.184	-0.162	-0.0091	0.0358	-0.0268
4320	0.068	-0.129	-0.090	-0.0091	0.0349	-0.0271
4330	0.037	0.019	0.064	0.0047	-0.0151	-0.0093
4338	0.151	-0.077	0.030	-0.0036	0.0118	0.0022
4339	0.152	-0.055	0.017	-0.0043	0.0111	0.0347
4340	0.112	-0.026	0.009	-0.0042	0.0099	0.0516
4345	0.000	0.001	0.000	-0.0029	0.0076	0.0430
4350	-0.000	0.180	-0.000	-0.0050	-0.0071	-0.0234
4358	0.052	0.208	-0.015	-0.0073	-0.0094	-0.0233
4359	0.067	0.227	-0.027	-0.0073	-0.0104	-0.0169
4360	0.060	0.243	-0.040	-0.0060	-0.0097	-0.0063
4370	0.060	0.244	-0.040	-0.0059	-0.0097	-0.0061
4380	0.043	0.252	-0.053	-0.0058	-0.0097	-0.0061
4390	0.014	0.266	-0.075	-0.0058	-0.0096	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	-0.031	0.290	-0.020	-0.0058	-0.0111	-0.0059
4410	-0.167	0.356	0.124	-0.0058	-0.0121	-0.0059
4420	-0.016	0.279	-0.096	-0.0057	-0.0088	-0.0056
4430	0.054	-0.097	-0.050	-0.0091	0.0341	-0.0272
4440	0.022	-0.051	-0.017	-0.0090	0.0122	-0.0287
4445	-0.000	-0.000	-0.000	-0.0090	0.0031	-0.0288
4449	-0.094	0.233	-0.144	-0.0119	-0.0206	-0.0198
4450	-0.079	0.220	-0.181	-0.0166	-0.0064	-0.0163
4451	-0.088	0.197	-0.089	-0.0091	-0.0194	-0.0276
4460	-0.078	0.218	-0.183	-0.0167	-0.0064	-0.0163
4470	-0.070	0.196	-0.200	-0.0167	-0.0063	-0.0162
4480	-0.034	0.101	-0.272	-0.0168	-0.0063	-0.0160
4490	-0.025	0.079	-0.289	-0.0168	-0.0063	-0.0160
4500	-0.000	-0.000	-0.344	-0.0197	-0.0041	-0.0132
4510	0.012	-0.175	-0.445	-0.0222	-0.0002	-0.0081
4518	0.011	-0.274	-0.504	-0.0202	-0.0001	-0.0052
4519	0.016	-0.287	-0.534	-0.0024	-0.0008	-0.0036
4520	0.018	-0.261	-0.529	0.0175	-0.0000	0.0017
4530	-0.000	0.108	-0.000	0.0030	-0.0115	-0.0044
4538	0.394	0.507	-0.551	-0.0234	-0.0243	-0.0171
4539	0.436	0.517	-0.573	-0.0195	-0.0269	-0.0155
4540	0.472	0.500	-0.530	-0.0168	-0.0334	-0.0117
4550	0.561	0.424	-0.296	-0.0159	-0.0351	-0.0100
4560	0.590	0.402	-0.215	-0.0155	-0.0354	-0.0093
4570	0.305	0.523	-0.113	-0.0146	-0.0352	-0.0101
4578	0.145	0.588	-0.055	-0.0141	-0.0343	-0.0106
4579	0.051	0.605	-0.008	-0.0069	-0.0254	-0.0079
4580	0.005	0.573	0.007	0.0088	-0.0225	-0.0054
4590	-0.000	0.562	-0.000	0.0092	-0.0221	-0.0055
4600	-0.017	0.531	-0.031	0.0087	-0.0211	-0.0046
4610	-0.025	0.509	-0.047	0.0085	-0.0211	-0.0045
4620	-0.074	0.344	-0.141	0.0054	-0.0208	-0.0029
4630	-0.079	0.322	-0.150	0.0050	-0.0207	-0.0027
4640	-0.078	0.291	-0.146	-0.0039	-0.0197	0.0017
4648	0.679	0.363	-0.247	-0.0157	-0.0351	-0.0087
4649	0.779	0.308	-0.251	-0.0153	-0.0236	-0.0072
4650	0.837	0.280	-0.220	-0.0133	-0.0102	-0.0006
4658	0.872	0.278	-0.194	-0.0135	-0.0095	-0.0000
4659	0.915	0.276	-0.163	-0.0118	-0.0035	0.0090
4660	0.964	0.252	-0.127	-0.0130	-0.0028	0.0125
4690	-0.065	0.260	-0.122	-0.0104	-0.0209	0.0053
4700	-0.044	0.231	-0.081	-0.0166	-0.0231	0.0089
4710	-0.030	0.211	-0.055	-0.0167	-0.0232	0.0090
5120	-0.051	0.291	-0.118	-0.0046	-0.0116	-0.0015
5130	-0.032	0.286	-0.107	-0.0056	-0.0087	-0.0054
5190	0.004	0.158	0.006	-0.0037	-0.0277	0.0021
5200	-0.000	0.173	-0.000	-0.0106	-0.0256	0.0058
5210	-0.013	0.188	-0.024	-0.0166	-0.0234	0.0089
5220	-0.027	0.208	-0.051	-0.0167	-0.0233	0.0090

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	-0.000	0.363	0.782	0.0006	-0.0000	0.0008
6030	-0.000	0.362	0.802	0.0007	-0.0000	0.0009
6040	-0.000	0.358	0.824	0.0030	-0.0005	0.0041
6050	-0.001	0.353	0.843	0.0031	-0.0005	0.0043
6060	-0.001	0.349	0.863	0.0032	-0.0005	0.0044
6068	-0.003	0.341	0.885	0.0052	-0.0023	0.0076
6069	-0.017	0.302	0.893	0.0253	-0.0177	0.0075
6070	-0.011	0.254	0.841	0.0366	-0.0212	0.0159
6078	0.019	0.232	0.776	0.0367	-0.0251	0.0170
6079	0.048	0.192	0.683	0.0382	-0.0317	0.0219
6080	0.041	0.142	0.576	0.0409	-0.0484	0.0198
6090	-0.105	-0.069	0.000	0.0273	-0.0443	0.0155
6100	-0.239	-0.195	-0.356	0.0149	-0.0196	0.0073
6108	-0.262	-0.208	-0.395	0.0156	-0.0209	0.0065
6109	-0.285	-0.200	-0.427	0.0170	-0.0229	-0.0058
6110	-0.269	-0.168	-0.402	0.0299	-0.0188	-0.0202
6120	-0.267	-0.167	-0.398	0.0300	-0.0188	-0.0203
6130	-0.235	-0.147	-0.352	0.0301	-0.0187	-0.0203
6140	-0.048	-0.031	-0.073	0.0299	-0.0186	-0.0199
6150	-0.017	-0.011	-0.026	0.0295	-0.0186	-0.0196
6160	-0.000	-0.000	-0.000	0.0234	-0.0184	-0.0152
6170	0.018	0.031	0.032	0.0059	-0.0177	-0.0041
6180	0.019	0.052	0.031	-0.0025	-0.0189	0.0014
6190	0.016	0.071	0.027	-0.0028	-0.0190	0.0015
6200	0.012	0.105	0.019	-0.0030	-0.0191	0.0017
6210	-0.059	0.116	0.065	-0.0030	-0.0194	0.0017
6220	-0.149	0.130	0.124	-0.0030	-0.0194	0.0017
6230	0.007	0.138	0.011	-0.0033	-0.0188	0.0020
6240	-0.259	-0.216	-0.334	0.0107	-0.0057	0.0040
6250	-0.251	-0.228	-0.314	0.0021	0.0231	-0.0037
6260	-0.223	-0.230	-0.299	0.0019	0.0239	-0.0039
6270	-0.083	-0.238	-0.229	0.0012	0.0262	-0.0049
6280	-0.052	-0.240	-0.214	0.0011	0.0264	-0.0051
6290	-0.014	-0.236	-0.199	-0.0078	0.0363	-0.0296
6300	0.027	-0.228	-0.185	-0.0079	0.0363	-0.0301
6310	0.094	-0.213	-0.161	-0.0080	0.0357	-0.0308
6320	0.068	-0.150	-0.089	-0.0080	0.0348	-0.0311
6330	0.037	0.019	0.053	0.0050	-0.0097	-0.0094
6338	0.151	-0.078	0.012	-0.0007	0.0099	0.0022
6339	0.152	-0.056	0.003	-0.0007	0.0079	0.0347
6340	0.112	-0.027	-0.001	0.0002	0.0063	0.0517
6345	0.000	0.001	0.000	0.0014	0.0039	0.0430
6350	-0.000	0.179	-0.000	-0.0122	-0.0121	-0.0233
6358	0.052	0.207	-0.034	-0.0160	-0.0146	-0.0232
6359	0.067	0.226	-0.055	-0.0130	-0.0144	-0.0169
6360	0.060	0.243	-0.072	-0.0086	-0.0088	-0.0063
6370	0.059	0.243	-0.073	-0.0084	-0.0087	-0.0062
6380	0.043	0.251	-0.084	-0.0083	-0.0086	-0.0061
6390	0.014	0.265	-0.104	-0.0081	-0.0083	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	-0.026	0.300	-0.049	-0.0081	-0.0099	-0.0059
6410	-0.148	0.393	0.096	-0.0081	-0.0108	-0.0059
6420	-0.016	0.279	-0.121	-0.0079	-0.0072	-0.0057
6430	0.054	-0.114	-0.049	-0.0081	0.0340	-0.0312
6440	0.022	-0.059	-0.017	-0.0088	0.0119	-0.0336
6445	-0.000	-0.000	-0.000	-0.0091	0.0028	-0.0340
6449	-0.094	0.284	-0.147	-0.0132	-0.0207	-0.0261
6450	-0.079	0.272	-0.185	-0.0203	-0.0063	-0.0220
6451	-0.088	0.236	-0.092	-0.0100	-0.0198	-0.0336
6460	-0.078	0.269	-0.186	-0.0204	-0.0063	-0.0219
6470	-0.070	0.242	-0.203	-0.0204	-0.0062	-0.0218
6480	-0.035	0.126	-0.275	-0.0206	-0.0063	-0.0217
6490	-0.026	0.098	-0.292	-0.0206	-0.0063	-0.0216
6500	-0.000	-0.000	-0.347	-0.0250	-0.0047	-0.0189
6510	0.020	-0.228	-0.449	-0.0296	-0.0012	-0.0139
6518	0.024	-0.363	-0.507	-0.0278	-0.0008	-0.0111
6519	0.032	-0.389	-0.543	-0.0085	0.0013	-0.0085
6520	0.039	-0.366	-0.546	0.0144	0.0033	-0.0015
6530	-0.000	0.002	-0.000	0.0090	-0.0009	0.0034
6538	-0.067	0.403	-0.238	-0.0138	-0.0056	-0.0016
6539	-0.050	0.423	-0.263	-0.0165	-0.0052	-0.0060
6540	-0.021	0.418	-0.267	-0.0173	-0.0054	-0.0087
6550	0.067	0.356	-0.230	-0.0192	-0.0049	-0.0086
6560	0.095	0.337	-0.220	-0.0198	-0.0042	-0.0082
6570	0.065	0.493	-0.118	-0.0190	-0.0037	-0.0070
6578	0.048	0.579	-0.060	-0.0183	-0.0038	-0.0062
6579	0.028	0.604	-0.009	-0.0084	-0.0055	-0.0062
6580	0.005	0.573	0.007	0.0085	-0.0060	-0.0055
6590	-0.000	0.561	-0.000	0.0090	-0.0062	-0.0055
6600	-0.017	0.531	-0.031	0.0085	-0.0066	-0.0046
6610	-0.025	0.509	-0.046	0.0083	-0.0067	-0.0045
6620	-0.074	0.344	-0.136	0.0052	-0.0068	-0.0029
6630	-0.079	0.322	-0.145	0.0047	-0.0068	-0.0027
6640	-0.078	0.291	-0.142	-0.0039	-0.0073	0.0017
6648	0.106	0.286	-0.251	-0.0200	-0.0042	-0.0085
6649	0.132	0.216	-0.283	-0.0220	-0.0034	-0.0094
6650	0.171	0.162	-0.290	-0.0223	-0.0022	-0.0100
6658	0.205	0.134	-0.284	-0.0223	-0.0021	-0.0099
6659	0.232	0.095	-0.256	-0.0214	-0.0002	-0.0063
6660	0.235	0.052	-0.200	-0.0188	0.0010	-0.0027
6690	-0.065	0.260	-0.117	-0.0101	-0.0089	0.0053
6700	-0.044	0.231	-0.078	-0.0160	-0.0121	0.0089
6710	-0.030	0.211	-0.053	-0.0161	-0.0123	0.0090
7120	-0.051	0.291	-0.134	-0.0055	-0.0040	-0.0015
7130	-0.032	0.286	-0.130	-0.0078	-0.0069	-0.0055
7190	0.004	0.158	0.006	-0.0036	-0.0186	0.0021
7200	-0.000	0.173	-0.000	-0.0102	-0.0155	0.0058
7210	-0.013	0.188	-0.024	-0.0160	-0.0125	0.0089
7220	-0.027	0.208	-0.049	-0.0161	-0.0123	0.0090

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
7500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
7510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
7520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
7530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
7535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
7540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
7550	-0.000	0.365	0.727	0.0001	-0.0000	0.0002
7560	-0.000	0.364	0.763	0.0005	0.0000	0.0007
7570	0.000	0.363	0.782	0.0006	0.0000	0.0008
8020	0.000	0.363	0.782	0.0005	0.0000	0.0008
8030	0.000	0.362	0.802	0.0006	0.0000	0.0010
8040	0.000	0.359	0.824	0.0025	-0.0003	0.0042
8050	-0.000	0.355	0.843	0.0026	-0.0003	0.0043
8060	-0.001	0.351	0.863	0.0027	-0.0004	0.0045
8068	-0.002	0.345	0.885	0.0044	-0.0021	0.0077
8069	-0.015	0.311	0.896	0.0214	-0.0174	0.0078
8070	-0.008	0.267	0.853	0.0308	-0.0209	0.0163
8078	0.023	0.245	0.798	0.0309	-0.0248	0.0174
8079	0.052	0.204	0.716	0.0331	-0.0317	0.0220
8080	0.046	0.154	0.612	0.0366	-0.0501	0.0197
8090	-0.101	-0.056	-0.000	0.0245	-0.0496	0.0157
8100	-0.234	-0.190	-0.421	0.0134	-0.0236	0.0084
8108	-0.258	-0.205	-0.466	0.0146	-0.0240	0.0077
8109	-0.281	-0.200	-0.496	0.0188	-0.0191	-0.0049
8110	-0.267	-0.168	-0.460	0.0344	-0.0130	-0.0200
8120	-0.264	-0.167	-0.456	0.0345	-0.0129	-0.0201
8130	-0.233	-0.147	-0.402	0.0346	-0.0129	-0.0201
8140	-0.048	-0.031	-0.083	0.0342	-0.0126	-0.0198
8150	-0.017	-0.011	-0.030	0.0337	-0.0126	-0.0194
8160	-0.000	-0.000	-0.000	0.0267	-0.0121	-0.0151
8170	0.018	0.031	0.037	0.0069	-0.0107	-0.0041
8180	0.018	0.052	0.036	-0.0029	-0.0110	0.0013
8190	0.016	0.071	0.031	-0.0032	-0.0110	0.0015
8200	0.011	0.105	0.022	-0.0035	-0.0110	0.0017
8210	-0.030	0.118	0.068	-0.0035	-0.0113	0.0017
8220	-0.083	0.134	0.127	-0.0035	-0.0114	0.0017
8230	0.007	0.138	0.013	-0.0038	-0.0107	0.0019
8240	-0.261	-0.208	-0.399	0.0088	-0.0090	0.0054
8250	-0.257	-0.217	-0.380	-0.0003	0.0217	-0.0016
8260	-0.231	-0.216	-0.365	-0.0005	0.0224	-0.0018
8270	-0.098	-0.211	-0.294	-0.0012	0.0250	-0.0027
8280	-0.068	-0.209	-0.279	-0.0013	0.0253	-0.0029
8290	-0.029	-0.204	-0.265	-0.0075	0.0428	-0.0254
8300	0.020	-0.196	-0.250	-0.0075	0.0429	-0.0257
8310	0.099	-0.182	-0.227	-0.0075	0.0426	-0.0264
8320	0.073	-0.128	-0.141	-0.0075	0.0419	-0.0266
8330	0.037	0.019	0.048	0.0062	-0.0045	-0.0093
8338	0.150	-0.078	-0.005	0.0023	0.0089	0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.152	-0.056	-0.011	0.0029	0.0057	0.0346
8340	0.112	-0.027	-0.009	0.0042	0.0037	0.0516
8345	0.000	0.000	0.000	0.0052	0.0010	0.0430
8350	-0.000	0.179	-0.000	-0.0187	-0.0165	-0.0238
8358	0.053	0.206	-0.051	-0.0236	-0.0192	-0.0239
8359	0.069	0.226	-0.080	-0.0181	-0.0180	-0.0173
8360	0.062	0.243	-0.101	-0.0110	-0.0083	-0.0064
8370	0.062	0.243	-0.101	-0.0107	-0.0082	-0.0062
8380	0.045	0.251	-0.112	-0.0105	-0.0081	-0.0061
8390	0.016	0.265	-0.130	-0.0102	-0.0076	-0.0059
8400	-0.021	0.310	-0.076	-0.0102	-0.0091	-0.0059
8410	-0.134	0.427	0.069	-0.0102	-0.0101	-0.0059
8420	-0.014	0.279	-0.146	-0.0100	-0.0062	-0.0057
8430	0.059	-0.097	-0.092	-0.0074	0.0413	-0.0267
8440	0.022	-0.050	-0.041	-0.0070	0.0253	-0.0283
8445	-0.000	-0.000	-0.000	-0.0069	0.0187	-0.0285
8449	-0.065	0.144	0.022	-0.0080	-0.0072	-0.0240
8450	-0.063	0.145	-0.008	-0.0108	-0.0047	-0.0220
8451	-0.045	0.101	0.038	-0.0066	0.0086	-0.0282
8460	-0.062	0.143	-0.010	-0.0108	-0.0047	-0.0219
8470	-0.056	0.129	-0.027	-0.0108	-0.0047	-0.0219
8480	-0.029	0.067	-0.099	-0.0109	-0.0049	-0.0218
8490	-0.022	0.053	-0.116	-0.0109	-0.0049	-0.0217
8500	-0.000	-0.000	-0.171	-0.0138	-0.0041	-0.0199
8510	0.017	-0.129	-0.273	-0.0169	-0.0007	-0.0166
8518	0.018	-0.206	-0.331	-0.0161	0.0004	-0.0147
8519	0.022	-0.218	-0.362	-0.0053	0.0064	-0.0114
8520	0.030	-0.195	-0.368	0.0085	0.0096	-0.0045
8530	-0.000	0.172	-0.000	0.0080	0.0168	0.0095
8538	-0.533	0.577	0.044	0.0030	0.0248	0.0177
8539	-0.555	0.614	0.033	0.0054	0.0249	0.0152
8540	-0.543	0.650	-0.012	0.0049	0.0285	0.0124
8550	-0.501	0.693	-0.114	0.0056	0.0297	0.0118
8560	-0.472	0.719	-0.182	0.0060	0.0308	0.0113
8570	-0.223	0.670	-0.080	0.0061	0.0307	0.0114
8578	-0.084	0.642	-0.022	0.0059	0.0296	0.0114
8579	-0.010	0.614	0.009	0.0041	0.0146	0.0058
8580	0.004	0.573	0.008	0.0093	0.0079	-0.0046
8590	-0.000	0.562	-0.000	0.0096	0.0073	-0.0048
8600	-0.016	0.532	-0.031	0.0085	0.0056	-0.0044
8610	-0.024	0.509	-0.047	0.0083	0.0055	-0.0044
8620	-0.072	0.345	-0.137	0.0051	0.0050	-0.0028
8630	-0.077	0.322	-0.145	0.0047	0.0049	-0.0026
8640	-0.076	0.291	-0.141	-0.0040	0.0032	0.0016
8648	-0.550	0.734	-0.214	0.0059	0.0308	0.0111
8649	-0.619	0.759	-0.284	0.0028	0.0277	0.0094
8650	-0.614	0.781	-0.366	0.0006	0.0204	0.0045
8658	-0.580	0.793	-0.422	0.0003	0.0198	0.0042
8659	-0.546	0.780	-0.461	-0.0043	0.0088	-0.0033

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.552	0.738	-0.444	-0.0120	0.0042	-0.0106
8690	-0.064	0.261	-0.117	-0.0101	0.0013	0.0052
8700	-0.043	0.231	-0.078	-0.0160	-0.0026	0.0087
8710	-0.029	0.211	-0.053	-0.0161	-0.0028	0.0087
9120	-0.049	0.291	-0.151	-0.0064	0.0022	-0.0015
9130	-0.030	0.286	-0.153	-0.0098	-0.0057	-0.0055
9190	0.004	0.158	0.007	-0.0041	-0.0105	0.0021
9200	-0.000	0.173	-0.000	-0.0105	-0.0067	0.0057
9210	-0.013	0.189	-0.024	-0.0160	-0.0030	0.0087
9220	-0.027	0.208	-0.049	-0.0161	-0.0028	0.0087
9490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
9500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
9510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
9520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
9530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
9535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
9540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
9550	-0.000	0.365	0.727	0.0001	-0.0000	0.0002
9560	-0.000	0.364	0.763	0.0005	-0.0000	0.0007
9570	-0.000	0.363	0.782	0.0006	-0.0000	0.0008
10020	0.000	0.363	0.782	0.0006	0.0001	0.0009
10030	0.001	0.362	0.802	0.0007	0.0001	0.0010
10040	0.001	0.359	0.823	0.0029	-0.0001	0.0044
10050	0.001	0.354	0.843	0.0030	-0.0001	0.0045
10060	0.001	0.350	0.863	0.0031	-0.0002	0.0047
10068	0.000	0.342	0.885	0.0052	-0.0019	0.0081
10069	-0.012	0.302	0.892	0.0273	-0.0177	0.0082
10070	-0.005	0.252	0.835	0.0398	-0.0215	0.0167
10078	0.026	0.230	0.764	0.0398	-0.0256	0.0179
10079	0.056	0.189	0.666	0.0399	-0.0320	0.0217
10080	0.049	0.141	0.558	0.0417	-0.0479	0.0184
10090	-0.097	-0.055	0.000	0.0250	-0.0402	0.0150
10100	-0.231	-0.188	-0.298	0.0098	-0.0153	0.0090
10108	-0.254	-0.204	-0.329	0.0103	-0.0170	0.0083
10109	-0.278	-0.200	-0.360	0.0113	-0.0201	-0.0045
10110	-0.264	-0.168	-0.343	0.0253	-0.0156	-0.0198
10120	-0.262	-0.167	-0.340	0.0254	-0.0155	-0.0199
10130	-0.231	-0.147	-0.300	0.0255	-0.0155	-0.0199
10140	-0.047	-0.031	-0.063	0.0256	-0.0153	-0.0196
10150	-0.017	-0.011	-0.023	0.0253	-0.0153	-0.0193
10160	-0.000	-0.000	-0.000	0.0200	-0.0150	-0.0149
10170	0.017	0.031	0.027	0.0051	-0.0140	-0.0040
10180	0.018	0.052	0.027	-0.0021	-0.0148	0.0013
10190	0.016	0.072	0.023	-0.0023	-0.0149	0.0015
10200	0.011	0.105	0.016	-0.0025	-0.0149	0.0017
10210	-0.044	0.114	0.062	-0.0025	-0.0152	0.0017
10220	-0.115	0.126	0.121	-0.0025	-0.0153	0.0017
10230	0.007	0.139	0.009	-0.0028	-0.0146	0.0019
10240	-0.245	-0.200	-0.275	0.0052	-0.0027	0.0067

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.234	-0.203	-0.255	-0.0040	0.0234	0.0012
10260	-0.205	-0.198	-0.240	-0.0042	0.0240	0.0011
10270	-0.066	-0.172	-0.170	-0.0050	0.0260	0.0004
10280	-0.034	-0.166	-0.155	-0.0050	0.0262	0.0002
10290	0.000	-0.157	-0.140	-0.0118	0.0301	-0.0173
10300	0.035	-0.143	-0.125	-0.0119	0.0300	-0.0176
10310	0.089	-0.121	-0.102	-0.0119	0.0293	-0.0181
10320	0.064	-0.084	-0.043	-0.0118	0.0282	-0.0183
10330	0.036	0.019	0.043	0.0044	-0.0072	-0.0093
10338	0.150	-0.078	0.002	0.0004	0.0085	0.0020
10339	0.152	-0.056	-0.005	0.0009	0.0058	0.0345
10340	0.112	-0.027	-0.005	0.0022	0.0040	0.0515
10345	0.000	0.000	0.000	0.0034	0.0015	0.0431
10350	0.000	0.179	-0.000	-0.0157	-0.0148	-0.0245
10358	0.055	0.206	-0.043	-0.0201	-0.0174	-0.0247
10359	0.071	0.226	-0.069	-0.0159	-0.0166	-0.0179
10360	0.065	0.243	-0.088	-0.0100	-0.0088	-0.0064
10370	0.064	0.244	-0.088	-0.0098	-0.0087	-0.0062
10380	0.048	0.251	-0.099	-0.0096	-0.0086	-0.0061
10390	0.018	0.266	-0.119	-0.0094	-0.0082	-0.0059
10400	-0.021	0.306	-0.064	-0.0094	-0.0097	-0.0059
10410	-0.140	0.414	0.080	-0.0094	-0.0107	-0.0059
10420	-0.011	0.279	-0.136	-0.0092	-0.0069	-0.0057
10430	0.049	-0.063	-0.010	-0.0118	0.0271	-0.0184
10440	0.022	-0.034	0.005	-0.0115	0.0000	-0.0192
10445	-0.000	-0.000	-0.000	-0.0115	-0.0113	-0.0191
10449	-0.106	0.185	-0.401	-0.0123	-0.0330	-0.0144
10450	-0.081	0.171	-0.445	-0.0133	-0.0066	-0.0133
10451	-0.114	0.164	-0.310	-0.0112	-0.0443	-0.0178
10460	-0.080	0.169	-0.446	-0.0133	-0.0065	-0.0132
10470	-0.071	0.152	-0.463	-0.0133	-0.0065	-0.0132
10480	-0.035	0.076	-0.535	-0.0133	-0.0064	-0.0132
10490	-0.026	0.059	-0.552	-0.0133	-0.0064	-0.0131
10500	-0.000	-0.000	-0.607	-0.0136	-0.0050	-0.0120
10510	0.026	-0.106	-0.709	-0.0119	-0.0020	-0.0100
10518	0.033	-0.155	-0.767	-0.0089	-0.0008	-0.0089
10519	0.035	-0.145	-0.788	0.0106	0.0043	-0.0064
10520	0.038	-0.108	-0.758	0.0302	0.0067	-0.0017
10525	-0.000	0.213	-0.000	0.0180	0.0131	0.0070
10530	-0.034	0.264	0.054	0.0102	0.0141	0.0095
10538	-0.498	0.670	0.105	0.0061	0.0223	0.0179
10539	-0.528	0.712	0.112	0.0179	0.0193	0.0251
10540	-0.526	0.776	0.093	0.0210	0.0188	0.0309
10550	-0.416	1.051	-0.084	0.0288	0.0216	0.0297
10560	-0.387	1.117	-0.134	0.0308	0.0228	0.0284
10570	-0.200	0.863	-0.032	0.0319	0.0234	0.0251
10578	-0.094	0.717	0.026	0.0313	0.0228	0.0231
10579	-0.022	0.628	0.034	0.0197	0.0097	0.0160
10580	0.003	0.574	0.009	0.0108	0.0011	-0.0035

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.563	-0.000	0.0107	0.0007	-0.0039
10600	-0.014	0.532	-0.033	0.0087	-0.0004	-0.0042
10610	-0.022	0.510	-0.048	0.0085	-0.0005	-0.0042
10620	-0.069	0.345	-0.140	0.0052	-0.0008	-0.0028
10630	-0.074	0.323	-0.149	0.0047	-0.0008	-0.0026
10640	-0.073	0.292	-0.144	-0.0042	-0.0019	0.0015
10648	-0.445	1.195	-0.166	0.0303	0.0227	0.0289
10649	-0.492	1.296	-0.227	0.0185	0.0208	0.0252
10650	-0.480	1.376	-0.295	0.0132	0.0172	0.0184
10658	-0.445	1.427	-0.342	0.0113	0.0170	0.0179
10659	-0.401	1.444	-0.387	0.0037	0.0063	0.0017
10660	-0.413	1.402	-0.372	-0.0169	-0.0013	-0.0206
10690	-0.061	0.261	-0.119	-0.0104	-0.0037	0.0050
10700	-0.041	0.231	-0.079	-0.0162	-0.0072	0.0084
10710	-0.028	0.212	-0.054	-0.0163	-0.0074	0.0084
11120	-0.046	0.292	-0.146	-0.0062	-0.0010	-0.0016
11130	-0.027	0.286	-0.145	-0.0090	-0.0065	-0.0055
11190	0.004	0.158	0.005	-0.0031	-0.0144	0.0020
11200	-0.000	0.173	-0.000	-0.0101	-0.0110	0.0055
11210	-0.013	0.189	-0.024	-0.0162	-0.0076	0.0084
11220	-0.026	0.209	-0.050	-0.0163	-0.0074	0.0084
11490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
11500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
11510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
11520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
11530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
11535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
11540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
11550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
11560	-0.000	0.364	0.763	0.0005	0.0000	0.0007
11570	0.000	0.363	0.782	0.0006	0.0000	0.0008
13490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
13500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
13510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
13520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
13530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
13535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
13540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
13550	-0.000	0.365	0.727	0.0001	-0.0000	0.0002
13560	-0.000	0.364	0.763	0.0005	-0.0000	0.0007
13570	-0.000	0.363	0.782	0.0006	-0.0000	0.0008
15490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
15500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
15510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
15520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
15530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
15535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
15540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
15550	-0.000	0.365	0.727	0.0001	0.0000	0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 21 (OPE) W+T3-U1-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	-0.000	0.364	0.763	0.0004	0.0000	0.0007
15570	0.000	0.363	0.782	0.0005	0.0000	0.0008
17490	0.000	-1.990	0.000	0.0000	-0.0000	0.0000
17500	-0.000	-1.990	0.381	0.0000	-0.0000	0.0000
17510	-0.000	0.000	0.381	-0.0000	-0.0000	0.0000
17520	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
17530	-0.000	0.365	0.381	-0.0000	-0.0000	0.0000
17535	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
17540	-0.000	0.365	0.701	-0.0000	-0.0000	0.0000
17550	-0.000	0.365	0.727	0.0001	0.0000	0.0002
17560	0.000	0.364	0.763	0.0005	0.0001	0.0007
17570	0.000	0.363	0.782	0.0006	0.0001	0.0009
18000	-0.000	-0.000	-0.000	0.0000	-0.0000	-0.0000
18010	-0.001	-0.000	0.172	0.0000	-0.0001	-0.0001
18020	-0.004	-0.002	0.451	0.0001	-0.0001	-0.0002
18022	0.064	-0.004	0.451	0.0001	-0.0000	-0.0002
18025	0.064	-0.004	0.451	0.0001	-0.0000	-0.0002
18027	0.087	-0.005	0.450	0.0003	0.0006	-0.0008
18030	0.110	-0.006	0.449	0.0003	0.0007	-0.0008
18040	-0.007	-0.004	0.726	0.0001	-0.0002	-0.0002
18042	-0.007	-0.004	0.726	0.0001	-0.0002	-0.0002
18045	-0.008	-0.005	0.748	0.0002	-0.0004	-0.0004
18050	-0.009	-0.005	0.771	0.0002	-0.0004	-0.0004
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	-0.073	0.120	0.837	-0.0023	-0.0011	0.0012
19550	-0.084	0.209	0.816	-0.0023	-0.0010	0.0012
19560	-0.084	0.209	0.816	-0.0023	-0.0010	0.0012
19580	-0.086	0.218	0.813	-0.0024	-0.0007	0.0014
19600	-0.088	0.236	0.808	-0.0024	-0.0007	0.0014

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.367	0.782	-0.0004	0.0016	0.0013
30	0.009	0.367	0.802	-0.0003	0.0017	0.0015
40	0.016	0.368	0.823	0.0005	0.0039	0.0065
50	0.022	0.367	0.843	0.0005	0.0040	0.0067
60	0.028	0.367	0.863	0.0006	0.0040	0.0069
68	0.036	0.364	0.884	0.0024	0.0027	0.0119
69	0.040	0.330	0.894	0.0244	-0.0107	0.0150
70	0.071	0.282	0.841	0.0381	-0.0138	0.0284
78	0.124	0.260	0.773	0.0382	-0.0188	0.0296
79	0.173	0.212	0.681	0.0400	-0.0272	0.0290
80	0.170	0.157	0.577	0.0433	-0.0483	0.0184
90	0.025	-0.028	0.000	0.0258	-0.0423	0.0145
95	-0.059	-0.123	-0.234	0.0156	-0.0274	0.0131
100	-0.108	-0.171	-0.325	0.0097	-0.0190	0.0114
108	-0.131	-0.193	-0.362	0.0103	-0.0202	0.0111
109	-0.157	-0.195	-0.395	0.0126	-0.0193	-0.0004
110	-0.154	-0.168	-0.373	0.0276	-0.0136	-0.0117
120	-0.152	-0.166	-0.369	0.0277	-0.0135	-0.0118
130	-0.134	-0.147	-0.327	0.0278	-0.0135	-0.0118
140	-0.026	-0.030	-0.068	0.0278	-0.0132	-0.0112
150	-0.009	-0.011	-0.025	0.0275	-0.0131	-0.0110
160	-0.000	0.000	-0.000	0.0220	-0.0126	-0.0085
170	0.010	0.035	0.032	0.0058	-0.0110	-0.0026
180	0.011	0.059	0.032	-0.0027	-0.0112	0.0007
190	0.010	0.079	0.027	-0.0029	-0.0112	0.0008
200	0.007	0.112	0.019	-0.0033	-0.0112	0.0010
210	-0.034	0.125	0.065	-0.0036	-0.0112	0.0010
220	-0.086	0.143	0.124	-0.0037	-0.0112	0.0010
230	0.004	0.146	0.010	-0.0035	-0.0112	0.0011
240	-0.130	-0.183	-0.303	0.0051	-0.0086	0.0087
250	-0.131	-0.185	-0.283	-0.0026	0.0125	0.0024
260	-0.115	-0.182	-0.267	-0.0027	0.0130	0.0022
270	-0.038	-0.165	-0.197	-0.0030	0.0146	0.0015
280	-0.020	-0.162	-0.182	-0.0030	0.0148	0.0013
290	0.004	-0.158	-0.167	-0.0041	0.0295	-0.0189
300	0.038	-0.153	-0.152	-0.0042	0.0297	-0.0193
310	0.093	-0.146	-0.129	-0.0042	0.0297	-0.0198
320	0.067	-0.105	-0.069	-0.0043	0.0292	-0.0201
330	0.029	0.026	0.043	0.0057	-0.0048	-0.0080
338	0.143	-0.071	-0.012	0.0047	0.0102	0.0006
339	0.146	-0.051	-0.019	0.0052	0.0085	0.0317
340	0.109	-0.024	-0.016	0.0072	0.0071	0.0497
345	0.000	0.004	0.000	0.0085	0.0055	0.0432
350	0.000	0.183	-0.000	-0.0264	-0.0051	-0.0363
358	0.088	0.211	-0.072	-0.0352	-0.0067	-0.0407
359	0.120	0.238	-0.113	-0.0399	-0.0079	-0.0317
360	0.119	0.263	-0.134	-0.0368	0.0002	-0.0068

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.118	0.263	-0.134	-0.0367	0.0004	-0.0065
380	0.102	0.271	-0.133	-0.0367	0.0005	-0.0063
390	0.072	0.285	-0.132	-0.0366	0.0010	-0.0057
400	0.076	0.448	-0.077	-0.0381	0.0010	-0.0057
410	0.088	0.892	0.068	-0.0391	0.0010	-0.0057
420	0.043	0.298	-0.129	-0.0351	0.0013	-0.0051
430	0.052	-0.082	-0.035	-0.0043	0.0284	-0.0203
440	0.022	-0.043	-0.009	-0.0054	0.0074	-0.0252
444	-0.000	0.002	-0.000	-0.0055	-0.0023	-0.0270
449	-0.087	0.254	-0.207	-0.0090	-0.0280	-0.0242
450	-0.063	0.246	-0.249	-0.0188	-0.0058	-0.0192
451	-0.088	0.207	-0.137	-0.0061	-0.0270	-0.0302
460	-0.063	0.244	-0.251	-0.0189	-0.0057	-0.0191
470	-0.055	0.219	-0.267	-0.0189	-0.0056	-0.0191
480	-0.024	0.111	-0.339	-0.0191	-0.0053	-0.0189
490	-0.017	0.085	-0.356	-0.0191	-0.0053	-0.0188
500	0.000	0.000	-0.411	-0.0181	-0.0031	-0.0156
510	0.015	-0.122	-0.513	-0.0125	-0.0016	-0.0097
518	0.023	-0.172	-0.571	-0.0093	-0.0021	-0.0064
519	0.034	-0.165	-0.594	0.0070	-0.0039	-0.0048
520	0.039	-0.132	-0.575	0.0223	-0.0029	0.0019
530	0.000	0.238	-0.000	0.0015	-0.0168	-0.0060
538	0.548	0.636	-0.667	-0.0279	-0.0322	-0.0230
539	0.603	0.640	-0.690	-0.0233	-0.0354	-0.0244
540	0.648	0.603	-0.633	-0.0200	-0.0436	-0.0247
550	0.738	0.433	-0.327	-0.0187	-0.0461	-0.0243
560	0.767	0.378	-0.221	-0.0183	-0.0467	-0.0239
570	0.388	0.521	-0.119	-0.0172	-0.0467	-0.0235
578	0.177	0.598	-0.061	-0.0165	-0.0452	-0.0233
579	0.052	0.621	-0.011	-0.0084	-0.0260	-0.0159
580	0.002	0.590	0.007	0.0083	-0.0174	-0.0020
590	0.000	0.578	-0.000	0.0088	-0.0166	-0.0018
600	-0.004	0.548	-0.030	0.0084	-0.0146	-0.0011
610	-0.006	0.526	-0.046	0.0082	-0.0145	-0.0011
620	-0.018	0.361	-0.135	0.0050	-0.0139	-0.0008
630	-0.019	0.338	-0.143	0.0046	-0.0138	-0.0008
640	-0.020	0.306	-0.139	-0.0046	-0.0117	0.0003
648	0.884	0.332	-0.253	-0.0184	-0.0462	-0.0238
649	1.010	0.253	-0.247	-0.0177	-0.0309	-0.0232
650	1.075	0.172	-0.200	-0.0163	-0.0145	-0.0197
658	1.110	0.118	-0.163	-0.0160	-0.0137	-0.0193
659	1.131	0.059	-0.120	-0.0131	-0.0060	-0.0105
660	1.127	0.014	-0.081	-0.0117	-0.0045	-0.0042
670	1.098	-0.078	0.003	-0.0124	-0.0034	-0.0052
680	1.079	-0.121	0.045	-0.0130	-0.0028	-0.0067
690	-0.017	0.274	-0.114	-0.0102	-0.0117	0.0013
700	-0.012	0.242	-0.076	-0.0155	-0.0115	0.0023
705	0.881	0.000	-0.000	-0.0136	-0.0032	-0.0097
710	-0.008	0.222	-0.051	-0.0156	-0.0115	0.0024

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.127	-0.146	0.056	-0.0130	-0.0028	-0.0067
730	0.200	0.670	-0.036	-0.0160	0.0030	-0.0122
735	-0.000	0.866	-0.000	-0.0165	-0.0004	-0.0132
740	-0.333	1.219	-0.113	-0.0175	-0.0050	-0.0123
750	-0.657	1.479	-0.216	-0.0184	-0.0027	-0.0081
758	-0.704	1.507	-0.226	-0.0188	-0.0027	-0.0074
759	-0.757	1.481	-0.210	-0.0176	-0.0068	0.0080
760	-0.715	1.396	-0.157	-0.0110	-0.0105	0.0181
770	-0.537	1.273	-0.057	-0.0087	-0.0126	0.0180
775	-0.398	1.174	-0.000	-0.0047	-0.0143	0.0167
780	-0.266	1.070	0.013	-0.0010	-0.0161	0.0147
785	-0.000	0.777	0.000	-0.0014	-0.0254	0.0077
790	0.117	0.445	0.135	-0.0085	-0.0359	0.0017
792	0.143	0.155	0.339	-0.0071	-0.0451	0.0006
795	0.157	0.044	0.390	-0.0057	-0.0437	0.0016
797	0.165	0.000	0.409	-0.0055	-0.0432	0.0019
798	0.239	-0.325	0.543	-0.0045	-0.0393	0.0020
799	0.297	-0.374	0.508	0.0095	-0.0335	-0.0091
800	0.396	-0.327	0.423	0.0179	-0.0188	-0.0157
808	0.436	-0.288	0.396	0.0179	-0.0185	-0.0160
809	0.461	-0.185	0.323	0.0114	-0.0020	-0.0142
810	0.397	-0.113	0.319	0.0070	0.0077	-0.0077
850	0.137	-0.001	0.446	0.0001	0.0009	-0.0007
860	0.114	0.000	0.447	0.0001	0.0008	-0.0006
870	0.095	0.152	0.169	-0.0066	-0.0471	0.0002
875	0.050	0.151	-0.000	-0.0061	-0.0497	-0.0007
878	-0.062	0.168	-0.470	-0.0049	-0.0537	-0.0026
879	-0.220	0.217	-0.694	-0.0061	-0.0433	-0.0108
880	-0.367	0.252	-0.700	0.0021	-0.0083	-0.0096
888	-0.185	-0.334	0.116	0.0135	0.0112	-0.0185
889	-0.073	-0.424	0.134	0.0096	0.0254	-0.0179
890	0.042	-0.523	0.022	0.0079	0.0308	-0.0168
899	0.132	-0.572	-0.111	0.0064	0.0313	-0.0119
900	0.187	-0.529	-0.150	0.0029	0.0315	0.0005
902	-0.000	0.000	-0.000	0.0032	0.0250	0.0102
905	-0.522	0.449	-0.000	-0.0059	0.0196	0.0191
908	-0.791	0.621	-0.117	-0.0103	0.0176	0.0204
909	-0.854	0.716	-0.219	-0.0152	0.0172	0.0149
910	-0.815	0.781	-0.300	-0.0113	0.0037	0.0008
920	-0.669	0.778	-0.325	-0.0117	0.0004	-0.0019
925	-0.000	0.455	-0.000	-0.0137	-0.0030	-0.0073
930	0.209	0.350	-0.011	-0.0144	0.0021	-0.0064
935	0.886	0.000	-0.000	-0.0126	-0.0019	-0.0040
940	1.088	-0.032	0.023	-0.0120	-0.0014	-0.0011
950	1.136	-0.036	0.028	-0.0120	-0.0013	-0.0011
960	-0.316	1.077	0.056	-0.0025	-0.0138	0.0146
968	-0.349	1.085	0.089	-0.0031	-0.0121	0.0146
969	-0.365	1.116	0.117	-0.0062	0.0078	0.0079
970	-0.365	1.157	0.122	0.0009	0.0129	0.0037

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.454	1.368	0.205	0.0108	0.0231	0.0091
979	-0.498	1.433	0.253	0.0366	0.0170	0.0345
980	-0.512	1.581	0.250	0.0409	0.0215	0.0591
985	-0.374	2.231	-0.000	0.0534	0.0259	0.0632
988	-0.185	3.151	-0.402	0.0707	0.0277	0.0628
989	-0.123	3.207	-0.455	0.0855	0.0190	0.0394
990	-0.073	2.948	-0.437	0.1259	0.0061	0.0231
1000	-0.036	1.929	-0.338	0.1345	0.0027	0.0192
1010	-0.033	1.749	-0.321	0.1361	0.0020	0.0185
1012	-0.030	1.530	-0.300	0.1362	0.0019	0.0185
1016	-0.018	0.592	-0.213	0.1366	0.0016	0.0182
1020	-0.015	0.372	-0.193	0.1366	0.0015	0.0182
1029	-0.041	-0.001	-0.131	0.1370	-0.0273	0.0177
1030	-0.040	-0.096	-0.040	0.1303	-0.0125	0.0309
1035	-0.000	0.000	-0.000	0.1277	-0.0068	0.0335
1040	0.040	0.113	0.005	0.1250	0.0003	0.0363
1045	0.073	0.148	-0.001	0.1213	0.0078	0.0385
1050	0.090	0.201	-0.012	0.1211	0.0080	0.0386
1070	0.240	0.713	-0.091	-0.0158	0.0020	-0.0113
1080	1.089	0.011	-0.017	-0.0116	-0.0020	0.0002
1090	0.230	0.393	-0.062	-0.0151	0.0012	-0.0064
1100	-0.629	1.521	-0.278	-0.0175	-0.0023	-0.0081
1110	-0.659	0.821	-0.365	-0.0116	0.0015	-0.0032
1120	0.007	0.307	-0.126	-0.0168	-0.0037	-0.0009
1130	0.026	0.304	-0.127	-0.0343	0.0013	-0.0049
1190	0.002	0.166	0.005	-0.0037	-0.0112	0.0012
1200	-0.000	0.182	-0.000	-0.0099	-0.0114	0.0019
1210	-0.004	0.200	-0.023	-0.0155	-0.0115	0.0024
1220	-0.007	0.219	-0.047	-0.0156	-0.0115	0.0024
1230	0.001	0.008	0.771	-0.0003	-0.0001	-0.0003
1240	0.001	0.009	0.794	-0.0004	-0.0001	-0.0004
1248	-0.014	0.020	1.003	0.0005	-0.0007	-0.0049
1249	-0.018	-0.053	1.034	0.0222	0.0026	-0.0058
1250	-0.056	-0.170	0.906	0.0403	0.0018	-0.0126
1258	-0.215	-0.328	0.412	0.0406	0.0045	-0.0130
1259	-0.237	-0.407	0.225	0.0361	0.0047	-0.0056
1260	-0.182	-0.437	0.123	0.0363	0.0103	0.0037
1268	0.038	-0.368	-0.066	0.0326	0.0117	0.0047
1269	0.085	-0.316	-0.089	0.0257	0.0246	0.0072
1270	0.079	-0.244	-0.068	0.0063	0.0329	0.0056
1275	0.000	0.003	-0.000	-0.0015	0.0366	0.0020
1280	0.054	0.360	-0.119	-0.0004	0.0420	-0.0037
1285	0.061	0.383	-0.120	-0.0003	0.0421	-0.0037
1290	0.068	0.407	-0.120	-0.0002	0.0421	-0.0037
1300	0.070	0.411	-0.120	0.0000	0.0422	-0.0037
1310	0.071	0.416	-0.120	0.0003	0.0422	-0.0037
1315	0.079	0.440	-0.119	0.0004	0.0423	-0.0037
1320	0.086	0.463	-0.118	0.0005	0.0423	-0.0037
1325	0.180	0.779	0.083	0.0126	0.0471	-0.0016

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.191	0.905	0.222	0.0130	0.0490	0.0007
1329	0.110	0.930	0.347	-0.0007	0.0442	0.0256
1330	-0.010	0.786	0.521	-0.0082	0.0319	0.0422
1338	-0.061	0.609	0.655	-0.0104	0.0310	0.0423
1339	-0.050	0.406	0.764	-0.0056	0.0082	0.0290
1340	-0.003	0.306	0.793	-0.0031	0.0010	0.0009
1350	-0.003	0.302	0.794	-0.0031	0.0008	0.0008
1360	-0.001	0.279	0.800	-0.0031	0.0007	0.0007
1373	0.124	0.304	-0.035	0.1204	0.0086	0.0385
1376	0.100	0.631	-0.069	0.1198	0.0090	0.0383
1380	0.088	0.784	-0.085	0.1194	0.0092	0.0382
1390	0.068	0.987	-0.108	0.1100	0.0126	0.0358
1392	0.051	1.140	-0.126	0.1096	0.0127	0.0357
1396	-0.022	1.758	-0.198	0.1084	0.0129	0.0355
1400	-0.040	1.908	-0.215	0.1081	0.0129	0.0354
1410	-0.122	2.461	-0.287	0.0846	0.0148	0.0301
1418	-0.163	2.677	-0.321	0.0752	0.0147	0.0276
1419	-0.170	2.745	-0.367	0.0085	0.0153	0.0248
1420	-0.144	2.713	-0.341	-0.0361	0.0170	0.0163
1425	0.000	2.590	-0.000	-0.0223	0.0129	0.0152
1428	0.536	2.237	-0.397	0.0291	0.0009	0.0236
1429	0.578	2.191	-0.450	0.0269	0.0006	0.0313
1430	0.580	2.115	-0.470	0.0260	-0.0004	0.0396
1435	0.000	0.000	-0.000	0.0034	0.0167	0.0423
1438	-0.072	-0.227	0.087	0.0005	0.0146	0.0372
1439	-0.118	-0.274	0.105	0.0018	0.0110	0.0220
1440	-0.160	-0.270	0.097	0.0000	0.0046	0.0128
1448	-0.184	-0.252	0.078	-0.0004	0.0051	0.0110
1449	-0.193	-0.242	0.069	-0.0023	0.0025	0.0055
1450	-0.196	-0.229	0.064	-0.0037	0.0014	-0.0021
1455	-0.000	0.046	-0.000	-0.0022	0.0056	-0.0147
1458	0.033	0.074	-0.007	-0.0013	0.0060	-0.0156
1459	0.066	0.111	0.003	0.0289	0.0044	-0.0226
1460	0.076	0.215	0.012	0.0706	0.0046	-0.0243
1470	-0.307	4.206	-0.557	0.0935	0.0133	-0.0485
1480	-0.331	4.371	-0.580	0.0931	0.0138	-0.0495
1490	-0.356	4.542	-0.603	0.0926	0.0142	-0.0505
1495	-0.278	4.561	-0.461	0.0913	0.0142	-0.0506
1497	-0.188	4.584	-0.302	0.0881	0.0142	-0.0509
1498	-1.095	8.067	-0.948	0.1580	0.0356	-0.1371
1499	-1.124	8.163	-0.974	0.1586	0.0350	-0.1420
1500	-0.000	4.630	0.000	0.0809	0.0142	-0.0515
1504	-0.383	4.713	-0.626	0.0939	0.0146	-0.0513
1505	-1.125	8.084	-1.011	0.1560	0.0326	-0.1563
1506	-0.410	4.882	-0.649	0.0975	0.0159	-0.0539
1508	-0.651	0.290	-0.605	0.1982	-0.0535	-0.2426
1509	-0.544	0.066	-0.476	0.2004	-0.0565	-0.2426
1510	-0.311	-0.016	-0.263	0.2039	-0.0577	-0.2419
1520	0.000	0.000	-0.000	0.2042	-0.0577	-0.2418

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
2030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
2040	0.016	0.368	0.823	0.0003	0.0039	0.0064
2050	0.022	0.368	0.843	0.0004	0.0039	0.0067
2060	0.028	0.367	0.863	0.0004	0.0039	0.0069
2068	0.036	0.365	0.884	0.0022	0.0026	0.0118
2069	0.039	0.332	0.895	0.0235	-0.0112	0.0148
2070	0.069	0.285	0.844	0.0366	-0.0145	0.0280
2078	0.121	0.263	0.779	0.0367	-0.0195	0.0293
2079	0.170	0.215	0.690	0.0380	-0.0277	0.0286
2080	0.166	0.161	0.586	0.0412	-0.0490	0.0180
2090	0.021	-0.021	0.000	0.0231	-0.0431	0.0146
2100	-0.112	-0.169	-0.330	0.0065	-0.0188	0.0123
2108	-0.135	-0.192	-0.367	0.0071	-0.0195	0.0119
2109	-0.162	-0.195	-0.396	0.0108	-0.0148	-0.0002
2110	-0.158	-0.168	-0.372	0.0274	-0.0076	-0.0120
2120	-0.156	-0.166	-0.368	0.0276	-0.0074	-0.0121
2130	-0.137	-0.147	-0.325	0.0277	-0.0074	-0.0121
2140	-0.027	-0.030	-0.068	0.0277	-0.0070	-0.0115
2150	-0.009	-0.011	-0.025	0.0274	-0.0069	-0.0113
2160	-0.000	0.000	-0.000	0.0219	-0.0061	-0.0087
2170	0.010	0.035	0.032	0.0058	-0.0037	-0.0026
2180	0.011	0.059	0.032	-0.0027	-0.0029	0.0007
2190	0.010	0.079	0.027	-0.0029	-0.0029	0.0009
2200	0.007	0.113	0.019	-0.0033	-0.0028	0.0010
2210	-0.003	0.126	0.065	-0.0036	-0.0028	0.0010
2220	-0.016	0.143	0.124	-0.0037	-0.0028	0.0010
2230	0.004	0.147	0.010	-0.0035	-0.0028	0.0012
2240	-0.134	-0.174	-0.308	0.0017	-0.0083	0.0101
2250	-0.134	-0.171	-0.288	-0.0062	0.0127	0.0051
2260	-0.118	-0.164	-0.273	-0.0064	0.0132	0.0049
2270	-0.040	-0.127	-0.203	-0.0066	0.0148	0.0043
2280	-0.022	-0.120	-0.187	-0.0066	0.0150	0.0042
2290	0.003	-0.112	-0.172	-0.0063	0.0301	-0.0119
2300	0.037	-0.105	-0.158	-0.0063	0.0302	-0.0122
2310	0.093	-0.093	-0.135	-0.0063	0.0302	-0.0127
2320	0.067	-0.068	-0.073	-0.0064	0.0297	-0.0129
2330	0.029	0.026	0.034	0.0061	0.0004	-0.0082
2338	0.144	-0.074	-0.029	0.0075	0.0085	0.0003
2339	0.147	-0.054	-0.033	0.0087	0.0056	0.0316
2340	0.109	-0.026	-0.025	0.0113	0.0038	0.0498
2345	0.000	0.001	0.000	0.0125	0.0019	0.0434
2350	0.000	0.180	-0.000	-0.0332	-0.0100	-0.0371
2358	0.090	0.208	-0.090	-0.0434	-0.0118	-0.0416
2359	0.123	0.235	-0.139	-0.0453	-0.0119	-0.0325
2360	0.122	0.260	-0.164	-0.0394	0.0006	-0.0072
2370	0.121	0.261	-0.165	-0.0392	0.0008	-0.0069
2380	0.105	0.270	-0.164	-0.0391	0.0010	-0.0066
2390	0.075	0.285	-0.161	-0.0389	0.0017	-0.0060

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.083	0.457	-0.106	-0.0404	0.0017	-0.0060
2410	0.102	0.928	0.039	-0.0414	0.0017	-0.0060
2420	0.046	0.298	-0.156	-0.0374	0.0023	-0.0055
2430	0.053	-0.053	-0.039	-0.0064	0.0290	-0.0131
2440	0.022	-0.028	-0.011	-0.0068	0.0085	-0.0170
2445	-0.000	0.002	-0.000	-0.0067	-0.0010	-0.0185
2449	-0.088	0.180	-0.192	-0.0079	-0.0267	-0.0188
2450	-0.066	0.174	-0.233	-0.0137	-0.0059	-0.0159
2451	-0.088	0.146	-0.125	-0.0066	-0.0252	-0.0215
2460	-0.065	0.172	-0.235	-0.0137	-0.0057	-0.0158
2470	-0.058	0.154	-0.252	-0.0138	-0.0057	-0.0158
2480	-0.026	0.076	-0.324	-0.0139	-0.0054	-0.0157
2490	-0.019	0.057	-0.341	-0.0139	-0.0054	-0.0157
2500	0.000	0.000	-0.396	-0.0102	-0.0039	-0.0137
2510	0.026	-0.041	-0.497	-0.0012	-0.0028	-0.0100
2518	0.038	-0.038	-0.556	0.0019	-0.0026	-0.0080
2519	0.047	-0.014	-0.572	0.0127	-0.0008	-0.0060
2520	0.053	0.022	-0.549	0.0213	0.0010	-0.0003
2530	0.000	0.393	-0.000	0.0052	-0.0009	0.0015
2538	0.002	0.795	-0.275	-0.0083	-0.0030	-0.0003
2539	0.012	0.819	-0.278	0.0015	-0.0065	0.0011
2540	0.035	0.832	-0.259	0.0051	-0.0108	0.0020
2550	0.122	0.846	-0.185	0.0096	-0.0108	0.0016
2560	0.151	0.850	-0.160	0.0111	-0.0105	0.0014
2570	0.068	0.750	-0.059	0.0131	-0.0101	-0.0000
2578	0.023	0.689	-0.001	0.0133	-0.0094	-0.0009
2579	0.004	0.639	0.021	0.0109	-0.0039	0.0002
2580	0.001	0.591	0.009	0.0101	-0.0027	-0.0007
2590	-0.000	0.580	-0.000	0.0102	-0.0025	-0.0007
2600	-0.002	0.549	-0.032	0.0085	-0.0017	-0.0008
2610	-0.004	0.527	-0.047	0.0083	-0.0017	-0.0009
2620	-0.014	0.362	-0.137	0.0049	-0.0015	-0.0007
2630	-0.016	0.339	-0.145	0.0045	-0.0014	-0.0007
2640	-0.017	0.307	-0.140	-0.0048	-0.0007	0.0002
2648	0.178	0.877	-0.192	0.0105	-0.0104	0.0018
2649	0.216	0.893	-0.219	0.0008	-0.0060	-0.0011
2650	0.257	0.884	-0.225	-0.0023	-0.0004	-0.0035
2658	0.291	0.875	-0.225	-0.0036	0.0000	-0.0035
2659	0.322	0.848	-0.225	-0.0053	0.0019	-0.0055
2660	0.315	0.804	-0.200	-0.0144	0.0001	-0.0100
2690	-0.014	0.275	-0.115	-0.0104	-0.0010	0.0010
2700	-0.010	0.243	-0.076	-0.0156	-0.0015	0.0020
2710	-0.007	0.223	-0.051	-0.0157	-0.0016	0.0020
3120	0.010	0.308	-0.145	-0.0178	0.0028	-0.0011
3130	0.030	0.305	-0.152	-0.0365	0.0025	-0.0052
3190	0.002	0.166	0.005	-0.0037	-0.0027	0.0012
3200	-0.000	0.183	-0.000	-0.0099	-0.0022	0.0018
3210	-0.003	0.200	-0.023	-0.0156	-0.0016	0.0020
3220	-0.006	0.220	-0.048	-0.0157	-0.0016	0.0020

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
4030	0.009	0.367	0.802	-0.0003	0.0017	0.0015
4040	0.016	0.368	0.823	0.0005	0.0039	0.0065
4050	0.022	0.367	0.843	0.0005	0.0040	0.0067
4060	0.028	0.367	0.863	0.0006	0.0040	0.0069
4068	0.036	0.364	0.884	0.0024	0.0027	0.0119
4069	0.040	0.330	0.894	0.0243	-0.0107	0.0150
4070	0.071	0.282	0.841	0.0381	-0.0139	0.0284
4078	0.124	0.260	0.773	0.0382	-0.0189	0.0296
4079	0.173	0.212	0.682	0.0399	-0.0272	0.0290
4080	0.170	0.157	0.577	0.0433	-0.0484	0.0184
4090	0.025	-0.028	0.000	0.0256	-0.0424	0.0145
4100	-0.108	-0.171	-0.325	0.0095	-0.0190	0.0114
4108	-0.131	-0.193	-0.362	0.0101	-0.0201	0.0111
4109	-0.158	-0.195	-0.394	0.0125	-0.0190	-0.0004
4110	-0.154	-0.168	-0.373	0.0275	-0.0132	-0.0117
4120	-0.152	-0.166	-0.369	0.0277	-0.0131	-0.0118
4130	-0.134	-0.147	-0.326	0.0278	-0.0131	-0.0118
4140	-0.026	-0.030	-0.068	0.0278	-0.0128	-0.0112
4150	-0.009	-0.011	-0.025	0.0274	-0.0127	-0.0110
4160	-0.000	0.000	-0.000	0.0220	-0.0122	-0.0085
4170	0.010	0.035	0.032	0.0058	-0.0105	-0.0026
4180	0.011	0.059	0.032	-0.0027	-0.0106	0.0007
4190	0.010	0.079	0.027	-0.0029	-0.0106	0.0008
4200	0.007	0.112	0.019	-0.0033	-0.0107	0.0010
4210	-0.032	0.125	0.065	-0.0036	-0.0107	0.0010
4220	-0.081	0.143	0.124	-0.0037	-0.0107	0.0010
4230	0.004	0.146	0.010	-0.0035	-0.0107	0.0011
4240	-0.130	-0.182	-0.303	0.0049	-0.0086	0.0087
4250	-0.131	-0.184	-0.283	-0.0027	0.0125	0.0025
4260	-0.115	-0.181	-0.268	-0.0028	0.0130	0.0023
4270	-0.038	-0.164	-0.197	-0.0031	0.0146	0.0015
4280	-0.020	-0.161	-0.182	-0.0031	0.0148	0.0014
4290	0.004	-0.157	-0.167	-0.0042	0.0295	-0.0187
4300	0.038	-0.152	-0.153	-0.0042	0.0297	-0.0191
4310	0.093	-0.144	-0.129	-0.0043	0.0297	-0.0196
4320	0.067	-0.104	-0.069	-0.0044	0.0292	-0.0199
4330	0.029	0.026	0.043	0.0057	-0.0045	-0.0081
4338	0.143	-0.073	-0.013	0.0049	0.0101	0.0004
4339	0.146	-0.054	-0.020	0.0055	0.0083	0.0316
4340	0.109	-0.026	-0.017	0.0074	0.0069	0.0497
4345	0.000	0.001	0.000	0.0088	0.0053	0.0432
4350	0.000	0.181	-0.000	-0.0269	-0.0054	-0.0364
4358	0.089	0.209	-0.073	-0.0358	-0.0071	-0.0408
4359	0.121	0.236	-0.114	-0.0403	-0.0082	-0.0319
4360	0.119	0.261	-0.136	-0.0370	0.0002	-0.0071
4370	0.118	0.261	-0.136	-0.0369	0.0004	-0.0067
4380	0.102	0.270	-0.135	-0.0368	0.0005	-0.0065
4390	0.073	0.284	-0.134	-0.0367	0.0010	-0.0059

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.077	0.447	-0.079	-0.0382	0.0010	-0.0059
4410	0.089	0.893	0.066	-0.0392	0.0010	-0.0059
4420	0.043	0.297	-0.131	-0.0352	0.0014	-0.0053
4430	0.052	-0.081	-0.035	-0.0044	0.0285	-0.0201
4440	0.022	-0.043	-0.009	-0.0054	0.0074	-0.0250
4445	-0.000	0.002	-0.000	-0.0056	-0.0022	-0.0267
4449	-0.087	0.252	-0.207	-0.0090	-0.0279	-0.0242
4450	-0.064	0.245	-0.248	-0.0187	-0.0058	-0.0192
4451	-0.088	0.205	-0.137	-0.0062	-0.0269	-0.0300
4460	-0.063	0.242	-0.250	-0.0187	-0.0057	-0.0191
4470	-0.055	0.217	-0.267	-0.0188	-0.0056	-0.0191
4480	-0.024	0.110	-0.339	-0.0190	-0.0053	-0.0189
4490	-0.017	0.085	-0.356	-0.0190	-0.0053	-0.0189
4500	0.000	0.000	-0.411	-0.0179	-0.0031	-0.0157
4510	0.016	-0.120	-0.513	-0.0122	-0.0016	-0.0100
4518	0.024	-0.169	-0.571	-0.0090	-0.0021	-0.0067
4519	0.034	-0.161	-0.593	0.0071	-0.0036	-0.0050
4520	0.040	-0.128	-0.575	0.0222	-0.0026	0.0017
4530	0.000	0.242	-0.000	0.0019	-0.0155	-0.0054
4538	0.504	0.640	-0.636	-0.0264	-0.0300	-0.0211
4539	0.556	0.646	-0.658	-0.0214	-0.0332	-0.0222
4540	0.598	0.614	-0.604	-0.0181	-0.0410	-0.0220
4550	0.688	0.463	-0.315	-0.0166	-0.0433	-0.0215
4560	0.717	0.414	-0.216	-0.0161	-0.0439	-0.0210
4570	0.362	0.539	-0.114	-0.0149	-0.0438	-0.0210
4578	0.163	0.605	-0.056	-0.0142	-0.0424	-0.0209
4579	0.047	0.622	-0.008	-0.0069	-0.0243	-0.0141
4580	0.002	0.590	0.007	0.0085	-0.0164	-0.0019
4590	0.000	0.579	-0.000	0.0089	-0.0157	-0.0017
4600	-0.003	0.548	-0.031	0.0084	-0.0137	-0.0011
4610	-0.005	0.526	-0.046	0.0082	-0.0137	-0.0010
4620	-0.017	0.361	-0.135	0.0050	-0.0131	-0.0008
4630	-0.019	0.338	-0.143	0.0046	-0.0130	-0.0007
4640	-0.020	0.306	-0.139	-0.0046	-0.0110	0.0003
4648	0.827	0.374	-0.248	-0.0163	-0.0434	-0.0208
4649	0.946	0.303	-0.244	-0.0162	-0.0290	-0.0202
4650	1.010	0.233	-0.202	-0.0147	-0.0133	-0.0161
4658	1.045	0.189	-0.168	-0.0146	-0.0125	-0.0156
4659	1.070	0.142	-0.130	-0.0119	-0.0048	-0.0060
4660	1.080	0.102	-0.096	-0.0109	-0.0034	0.0010
4690	-0.017	0.274	-0.114	-0.0102	-0.0110	0.0013
4700	-0.011	0.242	-0.076	-0.0155	-0.0109	0.0023
4710	-0.008	0.222	-0.051	-0.0156	-0.0109	0.0023
5120	0.008	0.307	-0.127	-0.0168	-0.0033	-0.0010
5130	0.027	0.304	-0.129	-0.0344	0.0013	-0.0051
5190	0.002	0.166	0.005	-0.0037	-0.0107	0.0012
5200	-0.000	0.183	-0.000	-0.0099	-0.0108	0.0019
5210	-0.004	0.200	-0.023	-0.0155	-0.0108	0.0023
5220	-0.007	0.219	-0.047	-0.0156	-0.0109	0.0023

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
6030	0.009	0.367	0.802	-0.0004	0.0017	0.0015
6040	0.016	0.368	0.823	0.0004	0.0039	0.0065
6050	0.022	0.368	0.843	0.0005	0.0039	0.0067
6060	0.028	0.367	0.863	0.0005	0.0039	0.0069
6068	0.036	0.365	0.884	0.0023	0.0026	0.0119
6069	0.039	0.331	0.895	0.0238	-0.0111	0.0149
6070	0.070	0.284	0.843	0.0371	-0.0143	0.0282
6078	0.122	0.262	0.777	0.0372	-0.0193	0.0294
6079	0.171	0.214	0.687	0.0386	-0.0276	0.0288
6080	0.168	0.159	0.583	0.0418	-0.0488	0.0183
6090	0.023	-0.026	0.000	0.0238	-0.0428	0.0146
6100	-0.110	-0.170	-0.327	0.0073	-0.0185	0.0118
6108	-0.133	-0.193	-0.363	0.0077	-0.0192	0.0114
6109	-0.160	-0.195	-0.391	0.0112	-0.0140	-0.0004
6110	-0.156	-0.168	-0.366	0.0270	-0.0068	-0.0119
6120	-0.154	-0.166	-0.362	0.0272	-0.0067	-0.0119
6130	-0.135	-0.147	-0.320	0.0272	-0.0066	-0.0119
6140	-0.027	-0.030	-0.067	0.0273	-0.0061	-0.0114
6150	-0.009	-0.011	-0.024	0.0270	-0.0061	-0.0112
6160	-0.000	0.000	-0.000	0.0216	-0.0052	-0.0086
6170	0.010	0.035	0.031	0.0057	-0.0025	-0.0026
6180	0.011	0.059	0.031	-0.0026	-0.0015	0.0007
6190	0.010	0.079	0.027	-0.0029	-0.0014	0.0009
6200	0.007	0.113	0.018	-0.0033	-0.0013	0.0010
6210	0.002	0.126	0.065	-0.0035	-0.0013	0.0010
6220	-0.004	0.143	0.124	-0.0036	-0.0013	0.0010
6230	0.004	0.147	0.010	-0.0034	-0.0013	0.0011
6240	-0.132	-0.178	-0.305	0.0029	-0.0082	0.0094
6250	-0.132	-0.177	-0.285	-0.0044	0.0126	0.0038
6260	-0.116	-0.172	-0.270	-0.0046	0.0131	0.0036
6270	-0.039	-0.146	-0.199	-0.0048	0.0147	0.0029
6280	-0.021	-0.140	-0.184	-0.0048	0.0149	0.0027
6290	0.004	-0.134	-0.169	-0.0052	0.0297	-0.0152
6300	0.038	-0.128	-0.155	-0.0053	0.0299	-0.0155
6310	0.093	-0.119	-0.131	-0.0053	0.0299	-0.0160
6320	0.067	-0.086	-0.071	-0.0054	0.0294	-0.0163
6330	0.029	0.026	0.032	0.0061	0.0012	-0.0082
6338	0.144	-0.074	-0.032	0.0080	0.0081	0.0003
6339	0.146	-0.054	-0.035	0.0093	0.0051	0.0316
6340	0.109	-0.026	-0.027	0.0120	0.0032	0.0497
6345	0.000	0.001	0.000	0.0132	0.0013	0.0433
6350	0.000	0.180	-0.000	-0.0344	-0.0107	-0.0368
6358	0.090	0.208	-0.093	-0.0448	-0.0126	-0.0413
6359	0.122	0.235	-0.144	-0.0462	-0.0125	-0.0323
6360	0.121	0.260	-0.170	-0.0398	0.0009	-0.0072
6370	0.120	0.261	-0.170	-0.0396	0.0011	-0.0069
6380	0.104	0.269	-0.168	-0.0395	0.0013	-0.0066
6390	0.074	0.284	-0.165	-0.0393	0.0020	-0.0061

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.083	0.458	-0.110	-0.0408	0.0020	-0.0061
6410	0.106	0.933	0.035	-0.0418	0.0020	-0.0061
6420	0.045	0.298	-0.159	-0.0377	0.0027	-0.0055
6430	0.052	-0.067	-0.036	-0.0054	0.0287	-0.0165
6440	0.022	-0.036	-0.010	-0.0063	0.0078	-0.0210
6445	-0.000	0.002	-0.000	-0.0064	-0.0018	-0.0227
6449	-0.087	0.218	-0.201	-0.0087	-0.0273	-0.0226
6450	-0.065	0.212	-0.243	-0.0164	-0.0058	-0.0189
6451	-0.088	0.177	-0.132	-0.0068	-0.0263	-0.0261
6460	-0.064	0.210	-0.244	-0.0165	-0.0056	-0.0188
6470	-0.057	0.188	-0.261	-0.0165	-0.0056	-0.0188
6480	-0.026	0.094	-0.333	-0.0167	-0.0054	-0.0187
6490	-0.019	0.072	-0.350	-0.0167	-0.0053	-0.0186
6500	0.000	0.000	-0.405	-0.0143	-0.0039	-0.0163
6510	0.026	-0.083	-0.507	-0.0070	-0.0029	-0.0122
6518	0.039	-0.107	-0.565	-0.0039	-0.0029	-0.0098
6519	0.050	-0.093	-0.585	0.0089	-0.0010	-0.0076
6520	0.058	-0.059	-0.567	0.0205	0.0010	-0.0010
6530	0.000	0.312	-0.000	0.0067	-0.0014	0.0028
6538	-0.032	0.714	-0.260	-0.0103	-0.0042	-0.0009
6539	-0.017	0.735	-0.271	-0.0051	-0.0062	-0.0038
6540	0.011	0.735	-0.259	-0.0032	-0.0089	-0.0065
6550	0.098	0.689	-0.199	-0.0010	-0.0087	-0.0068
6560	0.127	0.673	-0.179	-0.0003	-0.0083	-0.0066
6570	0.062	0.667	-0.078	0.0016	-0.0077	-0.0064
6578	0.028	0.658	-0.020	0.0021	-0.0072	-0.0063
6579	0.009	0.633	0.012	0.0047	-0.0019	-0.0043
6580	0.001	0.591	0.008	0.0095	0.0001	-0.0011
6590	-0.000	0.580	-0.000	0.0097	0.0003	-0.0011
6600	-0.003	0.549	-0.031	0.0084	0.0008	-0.0009
6610	-0.004	0.527	-0.047	0.0082	0.0008	-0.0009
6620	-0.016	0.362	-0.134	0.0049	0.0010	-0.0008
6630	-0.017	0.339	-0.142	0.0044	0.0010	-0.0007
6640	-0.018	0.307	-0.137	-0.0047	0.0015	0.0002
6648	0.148	0.672	-0.211	-0.0008	-0.0082	-0.0066
6649	0.183	0.649	-0.238	-0.0087	-0.0065	-0.0092
6650	0.226	0.607	-0.239	-0.0110	-0.0038	-0.0114
6658	0.260	0.575	-0.229	-0.0117	-0.0035	-0.0113
6659	0.284	0.531	-0.210	-0.0120	-0.0008	-0.0092
6660	0.277	0.485	-0.172	-0.0151	-0.0007	-0.0067
6690	-0.015	0.275	-0.113	-0.0102	0.0011	0.0011
6700	-0.011	0.243	-0.075	-0.0153	0.0003	0.0021
6710	-0.007	0.223	-0.050	-0.0154	0.0003	0.0021
7120	0.009	0.307	-0.147	-0.0179	0.0042	-0.0011
7130	0.029	0.304	-0.155	-0.0368	0.0029	-0.0052
7190	0.002	0.166	0.005	-0.0036	-0.0012	0.0012
7200	-0.000	0.183	-0.000	-0.0098	-0.0005	0.0018
7210	-0.003	0.200	-0.022	-0.0153	0.0002	0.0021
7220	-0.007	0.220	-0.047	-0.0154	0.0003	0.0021

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7550	0.001	0.365	0.727	-0.0001	0.0004	0.0003
7560	0.004	0.366	0.763	-0.0003	0.0014	0.0010
7570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
8020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
8030	0.009	0.367	0.802	-0.0004	0.0017	0.0015
8040	0.016	0.368	0.823	0.0002	0.0040	0.0066
8050	0.022	0.368	0.843	0.0003	0.0040	0.0068
8060	0.029	0.368	0.863	0.0003	0.0040	0.0070
8068	0.037	0.366	0.885	0.0019	0.0028	0.0121
8069	0.040	0.336	0.897	0.0202	-0.0107	0.0154
8070	0.073	0.292	0.855	0.0311	-0.0137	0.0293
8078	0.128	0.270	0.799	0.0311	-0.0188	0.0306
8079	0.179	0.221	0.721	0.0331	-0.0274	0.0303
8080	0.177	0.164	0.620	0.0372	-0.0505	0.0195
8090	0.032	-0.031	0.000	0.0207	-0.0487	0.0147
8100	-0.101	-0.171	-0.399	0.0056	-0.0230	0.0114
8108	-0.124	-0.193	-0.442	0.0065	-0.0226	0.0110
8109	-0.151	-0.195	-0.467	0.0133	-0.0089	-0.0002
8110	-0.147	-0.168	-0.429	0.0319	0.0007	-0.0113
8120	-0.146	-0.166	-0.425	0.0320	0.0009	-0.0113
8130	-0.128	-0.147	-0.375	0.0321	0.0010	-0.0113
8140	-0.025	-0.030	-0.078	0.0319	0.0016	-0.0108
8150	-0.009	-0.011	-0.028	0.0315	0.0017	-0.0106
8160	-0.000	0.000	-0.000	0.0252	0.0030	-0.0081
8170	0.009	0.035	0.037	0.0067	0.0067	-0.0025
8180	0.010	0.059	0.037	-0.0031	0.0090	0.0007
8190	0.009	0.079	0.031	-0.0034	0.0091	0.0008
8200	0.007	0.113	0.022	-0.0038	0.0092	0.0010
8210	0.040	0.128	0.068	-0.0041	0.0092	0.0010
8220	0.084	0.147	0.127	-0.0042	0.0092	0.0010
8230	0.004	0.147	0.012	-0.0040	0.0094	0.0011
8240	-0.130	-0.175	-0.377	0.0008	-0.0120	0.0093
8250	-0.135	-0.171	-0.357	-0.0070	0.0105	0.0046
8260	-0.122	-0.162	-0.342	-0.0071	0.0111	0.0045
8270	-0.055	-0.122	-0.272	-0.0073	0.0130	0.0039
8280	-0.039	-0.113	-0.257	-0.0073	0.0132	0.0037
8290	-0.012	-0.106	-0.242	-0.0052	0.0368	-0.0115
8300	0.030	-0.100	-0.228	-0.0051	0.0372	-0.0118
8310	0.098	-0.091	-0.204	-0.0051	0.0375	-0.0122
8320	0.073	-0.066	-0.128	-0.0050	0.0372	-0.0124
8330	0.028	0.026	0.025	0.0075	0.0079	-0.0081
8338	0.143	-0.074	-0.053	0.0118	0.0066	0.0002

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.054	-0.053	0.0138	0.0020	0.0313
8340	0.109	-0.027	-0.038	0.0173	-0.0003	0.0495
8345	0.000	0.000	0.000	0.0182	-0.0025	0.0432
8350	0.000	0.179	-0.000	-0.0428	-0.0164	-0.0371
8358	0.091	0.207	-0.115	-0.0547	-0.0186	-0.0418
8359	0.124	0.234	-0.177	-0.0528	-0.0172	-0.0327
8360	0.122	0.259	-0.207	-0.0428	0.0017	-0.0073
8370	0.122	0.260	-0.207	-0.0425	0.0020	-0.0070
8380	0.105	0.269	-0.204	-0.0423	0.0023	-0.0067
8390	0.076	0.284	-0.198	-0.0420	0.0032	-0.0061
8400	0.090	0.469	-0.144	-0.0435	0.0032	-0.0061
8410	0.126	0.975	0.001	-0.0445	0.0032	-0.0061
8420	0.046	0.297	-0.190	-0.0403	0.0042	-0.0055
8430	0.058	-0.051	-0.085	-0.0050	0.0368	-0.0126
8440	0.022	-0.027	-0.037	-0.0047	0.0228	-0.0162
8445	-0.000	0.002	-0.000	-0.0045	0.0160	-0.0176
8449	-0.061	0.107	0.003	-0.0037	-0.0120	-0.0210
8450	-0.053	0.113	-0.031	-0.0085	-0.0044	-0.0191
8451	-0.045	0.070	0.027	-0.0040	0.0052	-0.0195
8460	-0.052	0.112	-0.033	-0.0086	-0.0043	-0.0190
8470	-0.046	0.100	-0.049	-0.0086	-0.0043	-0.0190
8480	-0.022	0.051	-0.121	-0.0088	-0.0042	-0.0189
8490	-0.017	0.039	-0.138	-0.0088	-0.0042	-0.0189
8500	0.000	0.000	-0.194	-0.0073	-0.0038	-0.0176
8510	0.030	-0.036	-0.295	-0.0023	-0.0033	-0.0152
8518	0.044	-0.042	-0.353	-0.0006	-0.0025	-0.0139
8519	0.053	-0.027	-0.374	0.0056	0.0034	-0.0109
8520	0.063	0.002	-0.368	0.0116	0.0067	-0.0043
8530	-0.000	0.371	-0.000	0.0070	0.0169	0.0111
8538	-0.595	0.776	0.070	0.0063	0.0281	0.0202
8539	-0.620	0.813	0.067	0.0120	0.0273	0.0146
8540	-0.607	0.845	0.022	0.0123	0.0308	0.0087
8550	-0.565	0.874	-0.088	0.0139	0.0322	0.0079
8560	-0.536	0.892	-0.162	0.0150	0.0334	0.0076
8570	-0.266	0.765	-0.060	0.0161	0.0334	0.0080
8578	-0.115	0.691	-0.002	0.0159	0.0325	0.0083
8579	-0.029	0.638	0.020	0.0109	0.0226	0.0048
8580	0.000	0.591	0.008	0.0097	0.0186	-0.0006
8590	-0.000	0.580	-0.000	0.0098	0.0182	-0.0007
8600	-0.002	0.549	-0.031	0.0083	0.0171	-0.0008
8610	-0.004	0.527	-0.046	0.0081	0.0170	-0.0008
8620	-0.014	0.362	-0.132	0.0047	0.0167	-0.0007
8630	-0.015	0.339	-0.140	0.0043	0.0166	-0.0007
8640	-0.016	0.307	-0.134	-0.0047	0.0155	0.0002
8648	-0.621	0.929	-0.194	0.0146	0.0335	0.0073
8649	-0.697	0.968	-0.266	0.0079	0.0298	0.0045
8650	-0.694	0.980	-0.353	0.0048	0.0213	-0.0008
8658	-0.660	0.977	-0.410	0.0042	0.0206	-0.0011
8659	-0.629	0.954	-0.455	-0.0011	0.0090	-0.0046

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.629	0.912	-0.445	-0.0107	0.0039	-0.0045
8690	-0.014	0.275	-0.110	-0.0100	0.0146	0.0010
8700	-0.010	0.243	-0.073	-0.0150	0.0129	0.0019
8710	-0.007	0.223	-0.050	-0.0151	0.0128	0.0020
9120	0.011	0.307	-0.167	-0.0189	0.0125	-0.0012
9130	0.030	0.304	-0.184	-0.0393	0.0047	-0.0053
9190	0.002	0.166	0.006	-0.0042	0.0095	0.0011
9200	-0.000	0.183	-0.000	-0.0099	0.0111	0.0017
9210	-0.003	0.200	-0.022	-0.0150	0.0127	0.0020
9220	-0.006	0.220	-0.046	-0.0151	0.0128	0.0020
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
9560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
9570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
10020	0.006	0.367	0.782	-0.0004	0.0016	0.0013
10030	0.009	0.368	0.802	-0.0004	0.0017	0.0015
10040	0.016	0.368	0.823	0.0004	0.0038	0.0064
10050	0.022	0.368	0.843	0.0004	0.0039	0.0067
10060	0.028	0.367	0.863	0.0005	0.0039	0.0069
10068	0.035	0.365	0.884	0.0024	0.0025	0.0118
10069	0.038	0.330	0.894	0.0245	-0.0117	0.0147
10070	0.067	0.283	0.841	0.0381	-0.0151	0.0277
10078	0.119	0.261	0.773	0.0381	-0.0202	0.0289
10079	0.167	0.213	0.681	0.0386	-0.0282	0.0282
10080	0.163	0.160	0.577	0.0413	-0.0489	0.0177
10090	0.018	-0.020	0.000	0.0218	-0.0411	0.0145
10100	-0.115	-0.168	-0.300	0.0039	-0.0160	0.0126
10108	-0.138	-0.192	-0.331	0.0041	-0.0166	0.0121
10109	-0.165	-0.195	-0.355	0.0079	-0.0094	-0.0004
10110	-0.161	-0.168	-0.332	0.0244	-0.0012	-0.0123
10120	-0.159	-0.166	-0.329	0.0246	-0.0011	-0.0123
10130	-0.140	-0.147	-0.291	0.0247	-0.0010	-0.0123
10140	-0.028	-0.030	-0.061	0.0248	-0.0004	-0.0117
10150	-0.009	-0.011	-0.022	0.0245	-0.0003	-0.0115
10160	-0.000	0.000	-0.000	0.0197	0.0009	-0.0089
10170	0.010	0.035	0.029	0.0052	0.0043	-0.0027
10180	0.011	0.060	0.029	-0.0024	0.0063	0.0008
10190	0.010	0.079	0.024	-0.0027	0.0064	0.0009
10200	0.007	0.113	0.017	-0.0030	0.0065	0.0010
10210	0.031	0.125	0.063	-0.0033	0.0065	0.0010
10220	0.061	0.141	0.122	-0.0033	0.0065	0.0010
10230	0.004	0.147	0.009	-0.0031	0.0067	0.0012
10240	-0.133	-0.170	-0.278	-0.0005	-0.0062	0.0107

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.130	-0.164	-0.257	-0.0078	0.0134	0.0064
10260	-0.114	-0.154	-0.242	-0.0079	0.0139	0.0063
10270	-0.032	-0.110	-0.172	-0.0081	0.0154	0.0057
10280	-0.014	-0.100	-0.157	-0.0081	0.0155	0.0056
10290	0.010	-0.091	-0.142	-0.0080	0.0270	-0.0082
10300	0.041	-0.082	-0.127	-0.0080	0.0271	-0.0085
10310	0.091	-0.067	-0.104	-0.0080	0.0270	-0.0088
10320	0.065	-0.049	-0.049	-0.0080	0.0264	-0.0091
10330	0.029	0.026	0.020	0.0060	0.0060	-0.0082
10338	0.144	-0.074	-0.049	0.0104	0.0062	0.0003
10339	0.147	-0.054	-0.048	0.0124	0.0020	0.0315
10340	0.109	-0.027	-0.035	0.0159	-0.0003	0.0498
10345	0.000	0.001	0.000	0.0169	-0.0023	0.0435
10350	0.000	0.179	-0.000	-0.0408	-0.0154	-0.0378
10358	0.092	0.207	-0.110	-0.0524	-0.0174	-0.0425
10359	0.126	0.234	-0.169	-0.0513	-0.0163	-0.0331
10360	0.125	0.260	-0.198	-0.0422	0.0013	-0.0073
10370	0.124	0.260	-0.198	-0.0419	0.0016	-0.0069
10380	0.108	0.269	-0.196	-0.0418	0.0019	-0.0067
10390	0.078	0.284	-0.191	-0.0415	0.0027	-0.0061
10400	0.090	0.468	-0.137	-0.0430	0.0027	-0.0061
10410	0.121	0.968	0.008	-0.0439	0.0027	-0.0061
10420	0.049	0.298	-0.184	-0.0398	0.0037	-0.0055
10430	0.050	-0.039	-0.018	-0.0081	0.0256	-0.0092
10440	0.022	-0.022	0.000	-0.0087	0.0023	-0.0130
10445	-0.000	0.001	-0.000	-0.0087	-0.0083	-0.0145
10449	-0.106	0.183	-0.365	-0.0098	-0.0337	-0.0173
10450	-0.077	0.174	-0.410	-0.0140	-0.0068	-0.0153
10451	-0.113	0.155	-0.277	-0.0089	-0.0408	-0.0185
10460	-0.076	0.172	-0.412	-0.0141	-0.0066	-0.0153
10470	-0.068	0.153	-0.429	-0.0141	-0.0065	-0.0152
10480	-0.031	0.073	-0.501	-0.0141	-0.0063	-0.0152
10490	-0.023	0.054	-0.518	-0.0141	-0.0062	-0.0152
10500	0.000	0.000	-0.573	-0.0084	-0.0051	-0.0140
10510	0.039	-0.011	-0.674	0.0039	-0.0043	-0.0119
10518	0.057	0.019	-0.732	0.0081	-0.0034	-0.0107
10519	0.065	0.056	-0.742	0.0213	0.0027	-0.0078
10520	0.070	0.099	-0.703	0.0307	0.0058	-0.0018
10525	-0.000	0.421	-0.000	0.0163	0.0148	0.0089
10530	-0.041	0.472	0.049	0.0096	0.0163	0.0112
10538	-0.630	0.880	0.196	0.0118	0.0278	0.0230
10539	-0.668	0.924	0.212	0.0254	0.0245	0.0265
10540	-0.666	0.986	0.188	0.0287	0.0250	0.0281
10550	-0.556	1.233	-0.047	0.0378	0.0287	0.0266
10560	-0.528	1.293	-0.113	0.0401	0.0302	0.0259
10570	-0.281	0.959	-0.012	0.0421	0.0308	0.0230
10578	-0.141	0.766	0.047	0.0415	0.0304	0.0214
10579	-0.045	0.652	0.045	0.0266	0.0206	0.0158
10580	-0.000	0.592	0.009	0.0111	0.0140	0.0006

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.580	-0.000	0.0109	0.0138	0.0002
10600	-0.001	0.550	-0.033	0.0085	0.0130	-0.0006
10610	-0.002	0.527	-0.048	0.0083	0.0130	-0.0006
10620	-0.011	0.362	-0.135	0.0048	0.0128	-0.0007
10630	-0.012	0.340	-0.143	0.0043	0.0127	-0.0007
10640	-0.014	0.308	-0.137	-0.0049	0.0120	0.0001
10648	-0.603	1.393	-0.145	0.0394	0.0301	0.0264
10649	-0.669	1.511	-0.213	0.0242	0.0261	0.0218
10650	-0.663	1.588	-0.291	0.0184	0.0195	0.0156
10658	-0.629	1.631	-0.344	0.0162	0.0191	0.0153
10659	-0.583	1.648	-0.398	0.0078	0.0068	0.0049
10660	-0.573	1.613	-0.393	-0.0143	-0.0015	-0.0071
10690	-0.012	0.275	-0.112	-0.0103	0.0112	0.0008
10700	-0.008	0.243	-0.074	-0.0153	0.0098	0.0017
10710	-0.006	0.223	-0.050	-0.0154	0.0097	0.0017
11120	0.013	0.308	-0.164	-0.0188	0.0104	-0.0012
11130	0.033	0.305	-0.179	-0.0389	0.0041	-0.0053
11190	0.002	0.167	0.004	-0.0034	0.0068	0.0012
11200	0.000	0.183	-0.000	-0.0096	0.0082	0.0016
11210	-0.003	0.201	-0.022	-0.0152	0.0096	0.0017
11220	-0.005	0.220	-0.046	-0.0154	0.0097	0.0017
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11550	0.001	0.365	0.727	-0.0001	0.0004	0.0003
11560	0.004	0.366	0.763	-0.0003	0.0014	0.0010
11570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13550	0.001	0.365	0.727	-0.0001	0.0004	0.0003
13560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
13570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
15490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
15510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15550	0.001	0.365	0.727	-0.0001	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 22 (OPE) W+T3+U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.004	0.366	0.763	-0.0004	0.0014	0.0011
15570	0.006	0.367	0.782	-0.0004	0.0016	0.0013
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17550	0.001	0.365	0.727	-0.0002	0.0004	0.0003
17560	0.004	0.366	0.763	-0.0004	0.0014	0.0010
17570	0.006	0.367	0.782	-0.0004	0.0015	0.0013
18000	-0.000	0.000	-0.000	-0.0000	0.0000	-0.0000
18010	0.000	0.001	0.172	-0.0001	0.0000	-0.0001
18020	0.001	0.003	0.451	-0.0001	0.0001	-0.0001
18022	0.069	0.002	0.450	-0.0001	0.0001	-0.0002
18025	0.069	0.002	0.450	-0.0001	0.0001	-0.0002
18027	0.091	0.001	0.449	0.0001	0.0008	-0.0006
18030	0.114	0.000	0.447	0.0001	0.0008	-0.0006
18040	0.002	0.007	0.726	-0.0002	0.0000	-0.0002
18042	0.002	0.007	0.726	-0.0002	0.0000	-0.0002
18045	0.002	0.008	0.748	-0.0003	-0.0001	-0.0003
18050	0.001	0.008	0.771	-0.0003	-0.0001	-0.0003
19000	-0.000	0.000	-0.000	-0.0000	-0.0000	0.0000
19500	0.006	0.162	0.837	-0.0030	0.0003	0.0006
19550	0.001	0.251	0.809	-0.0030	0.0003	0.0006
19560	0.001	0.251	0.809	-0.0030	0.0003	0.0006
19580	0.000	0.261	0.805	-0.0031	0.0006	0.0007
19600	-0.001	0.279	0.800	-0.0031	0.0007	0.0007

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
20	0.006	0.360	0.782	0.0013	0.0015	0.0012
30	0.008	0.358	0.802	0.0014	0.0016	0.0015
40	0.015	0.352	0.824	0.0044	0.0036	0.0064
50	0.020	0.345	0.843	0.0045	0.0037	0.0066
60	0.026	0.338	0.863	0.0046	0.0037	0.0068
68	0.033	0.328	0.885	0.0068	0.0024	0.0118
69	0.037	0.284	0.891	0.0288	-0.0099	0.0153
70	0.071	0.233	0.831	0.0408	-0.0123	0.0297
78	0.126	0.211	0.758	0.0409	-0.0170	0.0311
79	0.180	0.161	0.663	0.0428	-0.0251	0.0324
80	0.180	0.098	0.561	0.0464	-0.0461	0.0222
90	0.034	-0.113	0.000	0.0305	-0.0430	0.0138
95	-0.050	-0.187	-0.248	0.0213	-0.0297	0.0076
100	-0.099	-0.209	-0.347	0.0160	-0.0209	0.0034
108	-0.122	-0.214	-0.387	0.0162	-0.0217	0.0025
109	-0.142	-0.200	-0.417	0.0179	-0.0203	-0.0068
110	-0.134	-0.169	-0.390	0.0290	-0.0156	-0.0103
120	-0.132	-0.167	-0.386	0.0291	-0.0155	-0.0103
130	-0.116	-0.148	-0.341	0.0292	-0.0155	-0.0103
140	-0.023	-0.031	-0.070	0.0290	-0.0152	-0.0097
150	-0.008	-0.011	-0.025	0.0285	-0.0151	-0.0096
160	-0.000	-0.000	-0.000	0.0223	-0.0146	-0.0074
170	0.008	0.028	0.028	0.0053	-0.0129	-0.0026
180	0.009	0.047	0.027	-0.0021	-0.0131	0.0006
190	0.008	0.067	0.023	-0.0023	-0.0131	0.0007
200	0.006	0.100	0.016	-0.0024	-0.0131	0.0008
210	-0.042	0.108	0.063	-0.0021	-0.0131	0.0008
220	-0.103	0.117	0.121	-0.0020	-0.0131	0.0008
230	0.004	0.134	0.010	-0.0027	-0.0131	0.0010
240	-0.124	-0.233	-0.325	0.0117	-0.0102	0.0004
250	-0.127	-0.246	-0.305	0.0014	0.0115	-0.0065
260	-0.113	-0.247	-0.290	0.0012	0.0120	-0.0067
270	-0.041	-0.250	-0.220	-0.0000	0.0137	-0.0076
280	-0.024	-0.250	-0.205	-0.0002	0.0139	-0.0078
290	0.001	-0.243	-0.190	-0.0130	0.0313	-0.0301
300	0.036	-0.228	-0.175	-0.0131	0.0315	-0.0305
310	0.094	-0.203	-0.152	-0.0131	0.0316	-0.0311
320	0.069	-0.140	-0.088	-0.0130	0.0312	-0.0313
330	0.027	0.015	0.043	0.0045	-0.0064	-0.0117
338	0.141	-0.165	0.003	-0.0005	0.0074	-0.0087
339	0.146	-0.151	-0.002	0.0000	0.0037	0.0273
340	0.111	-0.125	-0.003	0.0012	0.0016	0.0499
345	0.000	-0.098	0.000	0.0022	-0.0015	0.0440
350	0.000	0.077	-0.000	-0.0126	-0.0216	-0.0376
358	0.092	0.104	-0.035	-0.0141	-0.0247	-0.0418
359	0.123	0.130	-0.052	0.0024	-0.0204	-0.0312
360	0.122	0.156	-0.063	0.0147	-0.0066	-0.0139

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
370	0.121	0.157	-0.064	0.0151	-0.0065	-0.0138
380	0.105	0.174	-0.072	0.0154	-0.0063	-0.0137
390	0.075	0.206	-0.086	0.0159	-0.0058	-0.0136
400	0.050	0.134	-0.031	0.0174	-0.0058	-0.0136
410	-0.016	-0.074	0.113	0.0184	-0.0058	-0.0136
420	0.046	0.238	-0.099	0.0150	-0.0053	-0.0135
430	0.054	-0.104	-0.051	-0.0129	0.0306	-0.0313
440	0.022	-0.054	-0.019	-0.0117	0.0126	-0.0295
444	-0.000	-0.003	-0.000	-0.0116	0.0043	-0.0280
449	-0.093	0.191	-0.130	-0.0135	-0.0218	-0.0135
450	-0.075	0.174	-0.168	-0.0129	-0.0065	-0.0118
451	-0.088	0.168	-0.076	-0.0110	-0.0175	-0.0225
460	-0.074	0.173	-0.170	-0.0129	-0.0064	-0.0117
470	-0.065	0.156	-0.187	-0.0129	-0.0063	-0.0117
480	-0.030	0.083	-0.259	-0.0129	-0.0061	-0.0115
490	-0.022	0.066	-0.275	-0.0129	-0.0061	-0.0115
500	0.000	-0.000	-0.330	-0.0199	-0.0044	-0.0092
510	0.028	-0.217	-0.432	-0.0305	-0.0031	-0.0051
518	0.043	-0.359	-0.490	-0.0297	-0.0035	-0.0027
519	0.053	-0.389	-0.528	-0.0096	-0.0049	-0.0017
520	0.055	-0.367	-0.531	0.0155	-0.0044	0.0029
530	0.000	0.001	-0.000	0.0034	-0.0146	-0.0042
538	0.384	0.399	-0.566	-0.0243	-0.0260	-0.0145
539	0.419	0.412	-0.588	-0.0207	-0.0283	-0.0107
540	0.451	0.406	-0.544	-0.0182	-0.0342	-0.0057
550	0.541	0.371	-0.305	-0.0172	-0.0358	-0.0041
560	0.570	0.362	-0.223	-0.0169	-0.0361	-0.0037
570	0.278	0.496	-0.121	-0.0164	-0.0359	-0.0057
578	0.115	0.570	-0.063	-0.0160	-0.0347	-0.0068
579	0.029	0.593	-0.013	-0.0088	-0.0222	-0.0035
580	0.001	0.563	0.007	0.0078	-0.0182	-0.0008
590	0.000	0.551	-0.000	0.0083	-0.0176	-0.0008
600	-0.002	0.521	-0.029	0.0079	-0.0160	-0.0008
610	-0.004	0.499	-0.043	0.0078	-0.0160	-0.0008
620	-0.014	0.334	-0.128	0.0048	-0.0155	-0.0008
630	-0.015	0.312	-0.135	0.0044	-0.0154	-0.0008
640	-0.017	0.282	-0.132	-0.0032	-0.0138	-0.0005
648	0.660	0.320	-0.255	-0.0169	-0.0357	-0.0028
649	0.760	0.271	-0.258	-0.0155	-0.0235	-0.0007
650	0.818	0.262	-0.228	-0.0132	-0.0102	0.0066
658	0.853	0.281	-0.202	-0.0135	-0.0095	0.0071
659	0.902	0.295	-0.170	-0.0122	-0.0040	0.0129
660	0.956	0.274	-0.130	-0.0147	-0.0038	0.0127
670	1.044	0.183	-0.022	-0.0159	-0.0026	0.0110
680	1.079	0.140	0.033	-0.0164	-0.0020	0.0094
690	-0.015	0.252	-0.110	-0.0092	-0.0137	0.0007
700	-0.011	0.224	-0.074	-0.0150	-0.0135	0.0021
705	0.881	-0.000	-0.000	-0.0171	-0.0026	0.0088
710	-0.007	0.204	-0.050	-0.0152	-0.0135	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
720	1.127	0.176	0.041	-0.0164	-0.0020	0.0094
730	0.200	-0.179	-0.032	-0.0191	0.0029	-0.0076
735	-0.000	-0.001	-0.000	-0.0190	-0.0005	-0.0150
740	-0.333	0.538	-0.108	-0.0189	-0.0047	-0.0252
750	-0.656	1.248	-0.203	-0.0188	-0.0025	-0.0284
758	-0.704	1.356	-0.212	-0.0191	-0.0026	-0.0282
759	-0.794	1.425	-0.198	-0.0174	-0.0080	-0.0081
760	-0.791	1.364	-0.150	-0.0105	-0.0122	0.0176
770	-0.610	1.242	-0.055	-0.0084	-0.0144	0.0189
775	-0.459	1.143	-0.000	-0.0045	-0.0161	0.0185
780	-0.311	1.041	0.014	-0.0005	-0.0180	0.0169
785	-0.000	0.754	0.000	-0.0010	-0.0220	0.0073
790	0.048	0.430	0.101	-0.0061	-0.0266	-0.0004
792	0.097	0.148	0.227	-0.0025	-0.0307	0.0072
795	0.155	0.042	0.237	-0.0021	-0.0299	0.0065
797	0.178	-0.000	0.243	-0.0029	-0.0296	0.0068
798	0.380	-0.327	0.398	-0.0072	-0.0273	0.0069
799	0.432	-0.387	0.386	0.0035	-0.0213	-0.0062
800	0.482	-0.366	0.313	0.0133	-0.0080	-0.0129
808	0.499	-0.336	0.286	0.0133	-0.0076	-0.0134
809	0.478	-0.251	0.231	0.0103	0.0067	-0.0134
810	0.399	-0.174	0.259	0.0073	0.0118	-0.0102
850	0.139	-0.017	0.443	0.0007	0.0013	-0.0011
860	0.116	-0.015	0.446	0.0007	0.0011	-0.0010
870	0.050	0.112	0.114	-0.0017	-0.0321	0.0098
875	0.004	0.070	-0.000	-0.0009	-0.0346	0.0113
878	-0.107	-0.041	-0.338	0.0012	-0.0387	0.0132
879	-0.238	-0.139	-0.495	0.0068	-0.0303	0.0246
880	-0.330	-0.248	-0.477	0.0159	0.0025	0.0287
888	0.505	-1.045	0.339	0.0062	0.0205	0.0305
889	0.656	-0.988	0.341	-0.0029	0.0329	0.0336
890	0.785	-0.818	0.197	-0.0045	0.0369	0.0343
899	0.788	-0.644	0.020	-0.0038	0.0343	0.0278
900	0.707	-0.536	-0.056	-0.0009	0.0324	0.0183
902	-0.000	-0.000	-0.000	0.0024	0.0254	0.0171
905	-0.621	0.444	-0.000	-0.0054	0.0196	0.0184
908	-0.865	0.614	-0.110	-0.0097	0.0174	0.0175
909	-0.885	0.687	-0.210	-0.0151	0.0172	0.0007
910	-0.815	0.676	-0.292	-0.0114	0.0038	-0.0139
920	-0.669	0.510	-0.318	-0.0121	0.0005	-0.0141
925	-0.000	-0.004	-0.000	-0.0154	-0.0031	-0.0061
930	0.209	-0.091	-0.009	-0.0164	0.0020	-0.0041
935	0.886	-0.000	-0.000	-0.0148	-0.0016	0.0049
940	1.089	0.082	0.016	-0.0143	-0.0009	0.0056
950	1.136	0.103	0.020	-0.0143	-0.0009	0.0056
960	-0.373	1.038	0.056	0.0010	-0.0185	0.0154
968	-0.421	1.034	0.089	0.0018	-0.0186	0.0143
969	-0.484	1.034	0.132	0.0069	-0.0137	0.0100
970	-0.504	1.061	0.167	0.0069	-0.0078	-0.0058

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
978	-0.327	1.270	0.270	0.0040	-0.0057	-0.0173
979	-0.208	1.253	0.259	-0.0144	0.0023	-0.0597
980	-0.085	1.037	0.209	-0.0227	0.0176	-0.1016
985	0.052	-0.090	-0.000	-0.0309	0.0238	-0.1098
988	0.240	-1.720	-0.404	-0.0421	0.0281	-0.1120
989	0.297	-1.951	-0.448	-0.0546	0.0113	-0.0902
990	0.311	-1.848	-0.417	-0.0880	-0.0113	-0.0757
1000	0.205	-1.131	-0.318	-0.0959	-0.0155	-0.0703
1010	0.184	-1.003	-0.301	-0.0975	-0.0162	-0.0693
1012	0.158	-0.846	-0.281	-0.0977	-0.0163	-0.0693
1016	0.045	-0.173	-0.194	-0.0981	-0.0165	-0.0690
1020	0.019	-0.015	-0.173	-0.0982	-0.0165	-0.0689
1029	-0.041	0.217	-0.101	-0.1153	-0.0319	-0.0614
1030	-0.040	0.189	-0.016	-0.1164	-0.0053	-0.0608
1035	0.000	-0.000	-0.000	-0.1157	0.0009	-0.0624
1040	0.040	-0.202	-0.020	-0.1150	0.0078	-0.0642
1045	0.077	-0.308	-0.045	-0.1142	0.0135	-0.0649
1050	0.094	-0.398	-0.064	-0.1141	0.0136	-0.0649
1070	0.226	-0.136	-0.097	-0.0195	0.0028	-0.0077
1080	1.066	0.124	-0.031	-0.0138	-0.0016	0.0074
1090	0.223	-0.049	-0.067	-0.0175	0.0016	-0.0044
1100	-0.562	1.291	-0.265	-0.0177	-0.0021	-0.0270
1110	-0.621	0.553	-0.359	-0.0121	0.0018	-0.0142
1120	0.010	0.272	-0.113	0.0041	-0.0079	-0.0071
1130	0.029	0.255	-0.105	0.0145	-0.0053	-0.0133
1190	0.002	0.153	0.006	-0.0030	-0.0132	0.0010
1200	-0.000	0.167	-0.000	-0.0095	-0.0133	0.0018
1210	-0.003	0.182	-0.022	-0.0150	-0.0135	0.0022
1220	-0.007	0.201	-0.046	-0.0152	-0.0135	0.0022
1230	0.006	-0.025	0.771	0.0012	0.0001	-0.0005
1240	0.006	-0.027	0.794	0.0013	0.0001	-0.0005
1248	0.008	-0.145	1.003	0.0110	0.0006	-0.0057
1249	0.006	-0.294	1.001	0.0404	0.0022	-0.0079
1250	-0.056	-0.446	0.794	0.0552	-0.0009	-0.0204
1258	-0.316	-0.607	0.124	0.0549	0.0012	-0.0222
1259	-0.416	-0.725	-0.114	0.0468	-0.0005	-0.0301
1260	-0.418	-0.901	-0.202	0.0454	0.0016	-0.0317
1268	-0.199	-1.447	-0.238	0.0411	0.0028	-0.0302
1269	-0.099	-1.535	-0.205	0.0332	0.0167	-0.0156
1270	-0.034	-1.498	-0.140	0.0105	0.0261	-0.0024
1275	0.000	-1.252	-0.000	0.0016	0.0301	-0.0011
1280	0.050	-0.897	-0.060	0.0009	0.0359	-0.0021
1285	0.055	-0.874	-0.058	0.0010	0.0359	-0.0021
1290	0.059	-0.851	-0.056	0.0010	0.0359	-0.0021
1300	0.060	-0.846	-0.056	0.0013	0.0360	-0.0022
1310	0.061	-0.841	-0.055	0.0015	0.0361	-0.0022
1315	0.065	-0.818	-0.052	0.0016	0.0361	-0.0022
1320	0.070	-0.794	-0.049	0.0017	0.0361	-0.0022
1325	0.168	-0.476	0.173	0.0132	0.0414	-0.0050

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
1328	0.231	-0.348	0.317	0.0136	0.0435	-0.0066
1329	0.274	-0.256	0.438	0.0012	0.0399	-0.0214
1330	0.266	-0.104	0.602	-0.0057	0.0301	-0.0303
1338	0.215	0.023	0.729	-0.0077	0.0293	-0.0303
1339	0.108	0.124	0.829	-0.0031	0.0083	-0.0199
1340	0.035	0.092	0.844	0.0005	0.0014	-0.0005
1350	0.035	0.088	0.844	0.0005	0.0011	-0.0005
1360	0.034	0.065	0.843	0.0005	0.0010	-0.0004
1373	0.128	-0.570	-0.101	-0.1140	0.0136	-0.0646
1376	0.091	-0.880	-0.136	-0.1138	0.0133	-0.0640
1380	0.074	-1.025	-0.152	-0.1137	0.0132	-0.0637
1390	0.054	-1.223	-0.175	-0.1089	0.0103	-0.0574
1392	0.040	-1.374	-0.193	-0.1088	0.0102	-0.0572
1396	-0.018	-1.989	-0.265	-0.1080	0.0100	-0.0565
1400	-0.031	-2.139	-0.282	-0.1078	0.0100	-0.0564
1410	-0.081	-2.723	-0.355	-0.0958	0.0076	-0.0426
1418	-0.100	-2.976	-0.389	-0.0918	0.0072	-0.0362
1419	-0.129	-3.135	-0.355	-0.0659	-0.0047	-0.0248
1420	-0.139	-3.203	-0.266	-0.0378	-0.0152	0.0070
1425	0.000	-3.325	-0.000	-0.0120	-0.0146	0.0205
1428	0.653	-3.678	-0.555	0.0311	-0.0126	0.0126
1429	0.633	-3.692	-0.615	0.0232	-0.0094	-0.0270
1430	0.577	-3.610	-0.643	0.0188	-0.0024	-0.0678
1435	-0.001	-0.000	-0.000	-0.0141	0.0236	-0.0508
1438	-0.073	0.244	0.126	-0.0182	0.0213	-0.0380
1439	-0.094	0.287	0.142	-0.0255	0.0166	-0.0173
1440	-0.109	0.276	0.099	-0.0297	0.0170	-0.0115
1448	-0.117	0.251	0.038	-0.0288	0.0166	-0.0107
1449	-0.118	0.247	0.009	-0.0201	0.0170	-0.0092
1450	-0.113	0.256	-0.009	-0.0098	0.0172	-0.0066
1455	0.000	0.529	0.000	0.0082	0.0116	-0.0054
1458	0.012	0.556	0.020	0.0081	0.0110	-0.0057
1459	0.018	0.578	0.012	-0.0110	0.0090	-0.0093
1460	0.013	0.540	-0.027	-0.0376	0.0048	-0.0112
1470	-0.120	-0.260	-0.577	0.0404	0.0034	-0.0181
1480	-0.127	-0.182	-0.599	0.0476	0.0036	-0.0184
1490	-0.134	-0.088	-0.622	0.0554	0.0039	-0.0186
1495	-0.104	-0.069	-0.527	0.0624	0.0039	-0.0187
1497	-0.071	-0.046	-0.401	0.0799	0.0039	-0.0190
1498	-0.463	0.468	-0.967	0.0041	0.0188	-0.0295
1499	-0.477	0.462	-0.987	0.0076	0.0198	-0.0290
1500	-0.000	0.000	-0.000	0.1189	0.0039	-0.0196
1504	-0.141	0.012	-0.645	0.0539	0.0041	-0.0187
1505	-0.472	0.439	-1.010	0.0091	0.0191	-0.0288
1506	-0.149	0.105	-0.668	0.0501	0.0048	-0.0191
1508	0.002	-0.042	-0.229	0.0504	-0.0618	0.0056
1509	0.012	-0.031	-0.149	0.0526	-0.0646	0.0069
1510	0.010	-0.016	-0.073	0.0560	-0.0658	0.0075
1520	0.000	-0.000	-0.000	0.0563	-0.0658	0.0075

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2020	0.006	0.360	0.782	0.0013	0.0014	0.0012
2030	0.008	0.358	0.802	0.0014	0.0016	0.0015
2040	0.014	0.352	0.824	0.0045	0.0036	0.0064
2050	0.020	0.345	0.843	0.0046	0.0036	0.0066
2060	0.026	0.338	0.863	0.0047	0.0036	0.0068
2068	0.033	0.328	0.885	0.0069	0.0024	0.0118
2069	0.036	0.284	0.891	0.0287	-0.0102	0.0152
2070	0.070	0.233	0.832	0.0405	-0.0126	0.0296
2078	0.124	0.211	0.759	0.0404	-0.0173	0.0310
2079	0.178	0.161	0.665	0.0421	-0.0253	0.0325
2080	0.178	0.098	0.563	0.0456	-0.0463	0.0225
2090	0.033	-0.116	0.000	0.0294	-0.0431	0.0138
2100	-0.100	-0.210	-0.346	0.0147	-0.0202	0.0032
2108	-0.123	-0.215	-0.385	0.0146	-0.0206	0.0022
2109	-0.143	-0.200	-0.410	0.0170	-0.0154	-0.0071
2110	-0.134	-0.169	-0.379	0.0282	-0.0095	-0.0104
2120	-0.133	-0.167	-0.375	0.0283	-0.0094	-0.0104
2130	-0.117	-0.148	-0.331	0.0284	-0.0093	-0.0104
2140	-0.023	-0.031	-0.069	0.0282	-0.0088	-0.0098
2150	-0.008	-0.011	-0.025	0.0278	-0.0088	-0.0096
2160	-0.000	-0.000	-0.000	0.0217	-0.0079	-0.0074
2170	0.008	0.028	0.027	0.0051	-0.0051	-0.0026
2180	0.010	0.048	0.025	-0.0020	-0.0042	0.0006
2190	0.009	0.067	0.022	-0.0022	-0.0042	0.0007
2200	0.006	0.100	0.016	-0.0023	-0.0041	0.0009
2210	-0.008	0.108	0.062	-0.0020	-0.0041	0.0009
2220	-0.028	0.116	0.121	-0.0019	-0.0041	0.0009
2230	0.004	0.134	0.009	-0.0026	-0.0040	0.0010
2240	-0.125	-0.232	-0.324	0.0108	-0.0097	0.0003
2250	-0.127	-0.244	-0.304	0.0012	0.0116	-0.0065
2260	-0.113	-0.246	-0.289	0.0010	0.0121	-0.0067
2270	-0.040	-0.248	-0.219	-0.0001	0.0138	-0.0076
2280	-0.024	-0.247	-0.204	-0.0003	0.0140	-0.0078
2290	0.001	-0.240	-0.189	-0.0130	0.0312	-0.0295
2300	0.037	-0.225	-0.174	-0.0132	0.0314	-0.0299
2310	0.094	-0.201	-0.151	-0.0132	0.0315	-0.0305
2320	0.069	-0.138	-0.087	-0.0131	0.0311	-0.0307
2330	0.027	0.015	0.032	0.0048	-0.0009	-0.0121
2338	0.141	-0.174	-0.015	0.0024	0.0054	-0.0097
2339	0.147	-0.162	-0.017	0.0037	0.0005	0.0269
2340	0.111	-0.135	-0.012	0.0056	-0.0020	0.0500
2345	0.000	-0.108	0.000	0.0064	-0.0053	0.0440
2350	0.000	0.067	-0.000	-0.0197	-0.0265	-0.0371
2358	0.090	0.094	-0.053	-0.0226	-0.0298	-0.0413
2359	0.122	0.120	-0.080	-0.0032	-0.0243	-0.0315
2360	0.121	0.146	-0.095	0.0121	-0.0057	-0.0150
2370	0.120	0.147	-0.095	0.0127	-0.0055	-0.0149
2380	0.104	0.166	-0.102	0.0130	-0.0052	-0.0148
2390	0.074	0.201	-0.114	0.0136	-0.0045	-0.0147

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
2400	0.055	0.138	-0.059	0.0151	-0.0045	-0.0147
2410	0.003	-0.044	0.085	0.0161	-0.0045	-0.0147
2420	0.044	0.235	-0.123	0.0128	-0.0038	-0.0145
2430	0.054	-0.103	-0.051	-0.0130	0.0304	-0.0307
2440	0.022	-0.054	-0.019	-0.0120	0.0125	-0.0290
2445	-0.000	-0.003	-0.000	-0.0119	0.0041	-0.0277
2449	-0.093	0.190	-0.132	-0.0137	-0.0218	-0.0147
2450	-0.075	0.174	-0.170	-0.0129	-0.0064	-0.0133
2451	-0.088	0.166	-0.078	-0.0115	-0.0178	-0.0225
2460	-0.074	0.173	-0.172	-0.0129	-0.0063	-0.0133
2470	-0.066	0.156	-0.189	-0.0129	-0.0062	-0.0133
2480	-0.031	0.083	-0.261	-0.0129	-0.0061	-0.0131
2490	-0.023	0.066	-0.278	-0.0129	-0.0060	-0.0131
2500	0.000	-0.000	-0.333	-0.0198	-0.0050	-0.0113
2510	0.038	-0.216	-0.434	-0.0304	-0.0046	-0.0080
2518	0.059	-0.358	-0.493	-0.0297	-0.0047	-0.0061
2519	0.072	-0.389	-0.530	-0.0108	-0.0040	-0.0045
2520	0.078	-0.367	-0.537	0.0136	-0.0026	0.0005
2530	0.000	0.000	-0.000	0.0082	-0.0061	0.0032
2538	-0.020	0.400	-0.291	-0.0159	-0.0100	-0.0028
2539	0.001	0.418	-0.317	-0.0188	-0.0094	-0.0091
2540	0.034	0.405	-0.314	-0.0196	-0.0094	-0.0135
2550	0.121	0.310	-0.251	-0.0215	-0.0088	-0.0130
2560	0.150	0.281	-0.232	-0.0221	-0.0082	-0.0123
2570	0.084	0.458	-0.130	-0.0218	-0.0081	-0.0108
2578	0.047	0.556	-0.071	-0.0212	-0.0080	-0.0100
2579	0.018	0.591	-0.017	-0.0116	-0.0045	-0.0078
2580	0.001	0.563	0.006	0.0074	-0.0020	-0.0014
2590	0.000	0.551	-0.000	0.0079	-0.0019	-0.0013
2600	-0.003	0.521	-0.028	0.0076	-0.0018	-0.0009
2610	-0.004	0.499	-0.042	0.0075	-0.0017	-0.0009
2620	-0.015	0.334	-0.123	0.0046	-0.0017	-0.0008
2630	-0.016	0.312	-0.130	0.0042	-0.0017	-0.0008
2640	-0.018	0.282	-0.127	-0.0031	-0.0015	-0.0005
2648	0.170	0.225	-0.263	-0.0222	-0.0078	-0.0125
2649	0.199	0.148	-0.294	-0.0223	-0.0025	-0.0127
2650	0.236	0.086	-0.308	-0.0221	0.0012	-0.0125
2658	0.271	0.051	-0.312	-0.0219	0.0013	-0.0124
2659	0.293	0.003	-0.293	-0.0213	0.0023	-0.0104
2660	0.282	-0.045	-0.238	-0.0199	0.0028	-0.0080
2690	-0.016	0.252	-0.106	-0.0088	-0.0019	0.0008
2700	-0.012	0.224	-0.071	-0.0144	-0.0025	0.0022
2710	-0.008	0.204	-0.048	-0.0145	-0.0026	0.0023
3120	0.009	0.271	-0.128	0.0033	-0.0004	-0.0075
3130	0.028	0.254	-0.128	0.0124	-0.0035	-0.0143
3190	0.002	0.153	0.005	-0.0029	-0.0040	0.0011
3200	-0.000	0.167	-0.000	-0.0091	-0.0033	0.0018
3210	-0.004	0.182	-0.021	-0.0144	-0.0026	0.0023
3220	-0.007	0.201	-0.044	-0.0145	-0.0026	0.0023

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4020	0.006	0.360	0.782	0.0013	0.0015	0.0012
4030	0.008	0.358	0.802	0.0014	0.0016	0.0015
4040	0.015	0.352	0.824	0.0044	0.0036	0.0064
4050	0.020	0.345	0.843	0.0045	0.0037	0.0066
4060	0.026	0.338	0.863	0.0046	0.0037	0.0068
4068	0.033	0.328	0.885	0.0068	0.0024	0.0118
4069	0.037	0.284	0.891	0.0288	-0.0099	0.0153
4070	0.071	0.233	0.831	0.0408	-0.0123	0.0297
4078	0.126	0.211	0.758	0.0408	-0.0170	0.0311
4079	0.180	0.161	0.663	0.0428	-0.0251	0.0324
4080	0.180	0.098	0.561	0.0464	-0.0461	0.0222
4090	0.034	-0.113	0.000	0.0305	-0.0430	0.0138
4100	-0.099	-0.209	-0.348	0.0161	-0.0210	0.0034
4108	-0.122	-0.214	-0.388	0.0163	-0.0218	0.0025
4109	-0.142	-0.200	-0.418	0.0179	-0.0206	-0.0068
4110	-0.134	-0.169	-0.391	0.0291	-0.0159	-0.0103
4120	-0.132	-0.167	-0.387	0.0292	-0.0159	-0.0103
4130	-0.116	-0.148	-0.342	0.0293	-0.0158	-0.0103
4140	-0.023	-0.031	-0.071	0.0290	-0.0155	-0.0097
4150	-0.008	-0.011	-0.025	0.0286	-0.0155	-0.0096
4160	-0.000	-0.000	-0.000	0.0224	-0.0150	-0.0074
4170	0.008	0.028	0.029	0.0053	-0.0133	-0.0026
4180	0.009	0.047	0.027	-0.0021	-0.0136	0.0006
4190	0.008	0.067	0.023	-0.0023	-0.0136	0.0007
4200	0.006	0.100	0.016	-0.0024	-0.0137	0.0008
4210	-0.043	0.108	0.063	-0.0021	-0.0137	0.0008
4220	-0.107	0.117	0.122	-0.0020	-0.0137	0.0008
4230	0.004	0.133	0.010	-0.0027	-0.0137	0.0010
4240	-0.124	-0.233	-0.326	0.0118	-0.0102	0.0004
4250	-0.127	-0.246	-0.306	0.0015	0.0115	-0.0065
4260	-0.113	-0.247	-0.291	0.0012	0.0120	-0.0067
4270	-0.041	-0.250	-0.220	-0.0000	0.0137	-0.0076
4280	-0.024	-0.250	-0.205	-0.0002	0.0139	-0.0078
4290	0.001	-0.243	-0.190	-0.0130	0.0314	-0.0301
4300	0.036	-0.228	-0.176	-0.0131	0.0316	-0.0305
4310	0.094	-0.204	-0.152	-0.0131	0.0317	-0.0311
4320	0.069	-0.140	-0.088	-0.0130	0.0312	-0.0313
4330	0.027	0.016	0.043	0.0045	-0.0067	-0.0117
4338	0.141	-0.164	0.004	-0.0007	0.0075	-0.0086
4339	0.146	-0.151	-0.001	-0.0002	0.0039	0.0274
4340	0.110	-0.124	-0.002	0.0010	0.0018	0.0499
4345	0.000	-0.097	0.000	0.0019	-0.0013	0.0440
4350	0.000	0.078	-0.000	-0.0121	-0.0213	-0.0375
4358	0.091	0.105	-0.034	-0.0136	-0.0244	-0.0417
4359	0.123	0.131	-0.050	0.0027	-0.0202	-0.0311
4360	0.121	0.157	-0.061	0.0148	-0.0066	-0.0138
4370	0.121	0.158	-0.062	0.0153	-0.0065	-0.0137
4380	0.104	0.175	-0.070	0.0155	-0.0063	-0.0136
4390	0.075	0.207	-0.084	0.0160	-0.0058	-0.0135

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
4400	0.050	0.134	-0.030	0.0175	-0.0058	-0.0135
4410	-0.017	-0.076	0.115	0.0185	-0.0058	-0.0135
4420	0.045	0.238	-0.097	0.0151	-0.0054	-0.0134
4430	0.054	-0.104	-0.052	-0.0129	0.0306	-0.0313
4440	0.022	-0.054	-0.019	-0.0117	0.0128	-0.0295
4445	-0.000	-0.003	-0.000	-0.0115	0.0044	-0.0280
4449	-0.093	0.191	-0.128	-0.0135	-0.0217	-0.0133
4450	-0.075	0.174	-0.167	-0.0129	-0.0065	-0.0116
4451	-0.088	0.168	-0.074	-0.0110	-0.0173	-0.0225
4460	-0.074	0.173	-0.168	-0.0129	-0.0064	-0.0115
4470	-0.066	0.155	-0.185	-0.0129	-0.0063	-0.0115
4480	-0.030	0.083	-0.257	-0.0128	-0.0061	-0.0113
4490	-0.022	0.066	-0.274	-0.0129	-0.0061	-0.0113
4500	-0.000	-0.000	-0.329	-0.0198	-0.0044	-0.0090
4510	0.028	-0.217	-0.430	-0.0305	-0.0031	-0.0048
4518	0.042	-0.359	-0.489	-0.0297	-0.0035	-0.0024
4519	0.052	-0.389	-0.526	-0.0096	-0.0052	-0.0014
4520	0.055	-0.367	-0.529	0.0156	-0.0047	0.0031
4530	0.000	0.001	-0.000	0.0030	-0.0157	-0.0047
4538	0.424	0.398	-0.593	-0.0255	-0.0280	-0.0161
4539	0.462	0.411	-0.616	-0.0220	-0.0303	-0.0125
4540	0.495	0.401	-0.570	-0.0195	-0.0366	-0.0078
4550	0.585	0.352	-0.313	-0.0186	-0.0383	-0.0063
4560	0.614	0.338	-0.226	-0.0183	-0.0387	-0.0059
4570	0.301	0.484	-0.124	-0.0180	-0.0385	-0.0077
4578	0.127	0.566	-0.065	-0.0176	-0.0373	-0.0087
4579	0.033	0.592	-0.014	-0.0097	-0.0237	-0.0048
4580	0.001	0.562	0.007	0.0077	-0.0192	-0.0009
4590	0.000	0.551	-0.000	0.0082	-0.0185	-0.0009
4600	-0.002	0.521	-0.029	0.0079	-0.0169	-0.0008
4610	-0.004	0.499	-0.043	0.0078	-0.0168	-0.0008
4620	-0.014	0.334	-0.128	0.0048	-0.0163	-0.0008
4630	-0.016	0.312	-0.136	0.0044	-0.0162	-0.0008
4640	-0.017	0.282	-0.132	-0.0031	-0.0145	-0.0005
4648	0.711	0.292	-0.258	-0.0184	-0.0382	-0.0051
4649	0.817	0.238	-0.258	-0.0161	-0.0254	-0.0029
4650	0.877	0.222	-0.224	-0.0137	-0.0112	0.0041
4658	0.912	0.233	-0.195	-0.0139	-0.0105	0.0046
4659	0.958	0.240	-0.162	-0.0120	-0.0039	0.0099
4660	1.003	0.216	-0.125	-0.0129	-0.0030	0.0093
4690	-0.016	0.252	-0.111	-0.0092	-0.0144	0.0008
4700	-0.011	0.224	-0.074	-0.0150	-0.0141	0.0021
4710	-0.008	0.204	-0.050	-0.0152	-0.0141	0.0022
5120	0.010	0.272	-0.112	0.0042	-0.0083	-0.0070
5130	0.029	0.255	-0.104	0.0147	-0.0054	-0.0132
5190	0.002	0.153	0.006	-0.0030	-0.0137	0.0010
5200	-0.000	0.167	-0.000	-0.0095	-0.0139	0.0018
5210	-0.004	0.182	-0.022	-0.0150	-0.0141	0.0022
5220	-0.007	0.201	-0.046	-0.0152	-0.0141	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6020	0.006	0.360	0.782	0.0013	0.0014	0.0012
6030	0.008	0.358	0.802	0.0014	0.0016	0.0015
6040	0.014	0.352	0.824	0.0044	0.0036	0.0064
6050	0.020	0.345	0.843	0.0045	0.0036	0.0066
6060	0.026	0.338	0.863	0.0047	0.0036	0.0068
6068	0.033	0.328	0.885	0.0069	0.0024	0.0118
6069	0.036	0.284	0.891	0.0287	-0.0102	0.0152
6070	0.070	0.233	0.832	0.0404	-0.0126	0.0295
6078	0.124	0.211	0.760	0.0404	-0.0174	0.0309
6079	0.178	0.161	0.666	0.0420	-0.0253	0.0325
6080	0.178	0.098	0.564	0.0455	-0.0463	0.0224
6090	0.033	-0.115	0.000	0.0294	-0.0432	0.0138
6100	-0.100	-0.210	-0.346	0.0146	-0.0202	0.0032
6108	-0.123	-0.215	-0.385	0.0145	-0.0206	0.0022
6109	-0.144	-0.200	-0.410	0.0170	-0.0152	-0.0071
6110	-0.135	-0.169	-0.379	0.0282	-0.0093	-0.0104
6120	-0.133	-0.167	-0.375	0.0283	-0.0092	-0.0104
6130	-0.117	-0.148	-0.331	0.0284	-0.0091	-0.0104
6140	-0.023	-0.031	-0.069	0.0282	-0.0086	-0.0098
6150	-0.008	-0.011	-0.025	0.0278	-0.0085	-0.0097
6160	-0.000	-0.000	-0.000	0.0217	-0.0076	-0.0074
6170	0.008	0.028	0.027	0.0052	-0.0048	-0.0026
6180	0.010	0.048	0.026	-0.0020	-0.0039	0.0006
6190	0.009	0.067	0.022	-0.0022	-0.0038	0.0007
6200	0.006	0.100	0.016	-0.0023	-0.0037	0.0009
6210	-0.007	0.108	0.062	-0.0020	-0.0037	0.0009
6220	-0.025	0.116	0.121	-0.0019	-0.0037	0.0009
6230	0.004	0.134	0.009	-0.0026	-0.0037	0.0010
6240	-0.125	-0.232	-0.324	0.0107	-0.0097	0.0003
6250	-0.127	-0.244	-0.304	0.0012	0.0116	-0.0065
6260	-0.113	-0.245	-0.289	0.0009	0.0121	-0.0066
6270	-0.041	-0.247	-0.219	-0.0002	0.0138	-0.0075
6280	-0.024	-0.246	-0.204	-0.0004	0.0140	-0.0077
6290	0.001	-0.239	-0.189	-0.0131	0.0312	-0.0295
6300	0.037	-0.224	-0.175	-0.0132	0.0314	-0.0299
6310	0.094	-0.199	-0.151	-0.0132	0.0315	-0.0305
6320	0.069	-0.137	-0.087	-0.0131	0.0311	-0.0307
6330	0.027	0.015	0.031	0.0048	-0.0007	-0.0122
6338	0.141	-0.176	-0.016	0.0025	0.0054	-0.0099
6339	0.147	-0.164	-0.018	0.0038	0.0004	0.0268
6340	0.111	-0.137	-0.013	0.0058	-0.0022	0.0500
6345	0.000	-0.110	0.000	0.0066	-0.0054	0.0441
6350	0.000	0.064	-0.000	-0.0201	-0.0268	-0.0373
6358	0.091	0.092	-0.054	-0.0230	-0.0301	-0.0415
6359	0.123	0.118	-0.081	-0.0035	-0.0246	-0.0317
6360	0.121	0.145	-0.096	0.0120	-0.0057	-0.0152
6370	0.120	0.146	-0.097	0.0125	-0.0055	-0.0151
6380	0.104	0.165	-0.104	0.0129	-0.0053	-0.0150
6390	0.075	0.200	-0.116	0.0135	-0.0046	-0.0149

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
6400	0.055	0.137	-0.061	0.0150	-0.0046	-0.0149
6410	0.003	-0.043	0.084	0.0160	-0.0046	-0.0149
6420	0.045	0.235	-0.125	0.0127	-0.0038	-0.0147
6430	0.054	-0.102	-0.051	-0.0131	0.0305	-0.0307
6440	0.022	-0.053	-0.019	-0.0121	0.0125	-0.0290
6445	-0.000	-0.003	-0.000	-0.0120	0.0041	-0.0276
6449	-0.093	0.191	-0.131	-0.0138	-0.0217	-0.0147
6450	-0.075	0.175	-0.170	-0.0130	-0.0064	-0.0134
6451	-0.088	0.167	-0.077	-0.0116	-0.0177	-0.0225
6460	-0.074	0.173	-0.171	-0.0129	-0.0063	-0.0134
6470	-0.066	0.156	-0.188	-0.0129	-0.0062	-0.0134
6480	-0.031	0.083	-0.260	-0.0129	-0.0061	-0.0132
6490	-0.023	0.066	-0.277	-0.0129	-0.0060	-0.0132
6500	0.000	-0.000	-0.332	-0.0198	-0.0051	-0.0114
6510	0.038	-0.216	-0.433	-0.0303	-0.0046	-0.0082
6518	0.059	-0.357	-0.492	-0.0297	-0.0047	-0.0063
6519	0.072	-0.389	-0.530	-0.0108	-0.0038	-0.0047
6520	0.079	-0.367	-0.536	0.0135	-0.0023	0.0003
6530	0.000	0.000	-0.000	0.0085	-0.0052	0.0036
6538	-0.052	0.400	-0.268	-0.0147	-0.0084	-0.0012
6539	-0.035	0.420	-0.292	-0.0170	-0.0080	-0.0064
6540	-0.005	0.413	-0.291	-0.0178	-0.0079	-0.0099
6550	0.082	0.343	-0.239	-0.0193	-0.0072	-0.0094
6560	0.111	0.322	-0.223	-0.0198	-0.0065	-0.0088
6570	0.061	0.479	-0.121	-0.0192	-0.0061	-0.0077
6578	0.033	0.566	-0.063	-0.0186	-0.0059	-0.0071
6579	0.013	0.593	-0.012	-0.0092	-0.0031	-0.0054
6580	0.001	0.563	0.007	0.0077	-0.0014	-0.0012
6590	-0.000	0.552	-0.000	0.0082	-0.0013	-0.0011
6600	-0.002	0.521	-0.028	0.0077	-0.0012	-0.0009
6610	-0.004	0.499	-0.042	0.0075	-0.0012	-0.0008
6620	-0.014	0.334	-0.124	0.0046	-0.0012	-0.0008
6630	-0.016	0.312	-0.131	0.0042	-0.0012	-0.0008
6640	-0.017	0.282	-0.128	-0.0031	-0.0010	-0.0005
6648	0.127	0.272	-0.255	-0.0200	-0.0064	-0.0088
6649	0.157	0.203	-0.285	-0.0214	-0.0045	-0.0093
6650	0.197	0.151	-0.289	-0.0215	-0.0031	-0.0091
6658	0.232	0.126	-0.281	-0.0216	-0.0029	-0.0090
6659	0.258	0.087	-0.252	-0.0207	-0.0006	-0.0071
6660	0.256	0.043	-0.197	-0.0185	0.0006	-0.0048
6690	-0.016	0.253	-0.106	-0.0089	-0.0014	0.0008
6700	-0.011	0.224	-0.071	-0.0145	-0.0021	0.0022
6710	-0.008	0.205	-0.048	-0.0146	-0.0022	0.0022
7120	0.010	0.271	-0.129	0.0032	-0.0002	-0.0077
7130	0.029	0.253	-0.130	0.0123	-0.0035	-0.0145
7190	0.002	0.153	0.005	-0.0029	-0.0036	0.0010
7200	-0.000	0.167	-0.000	-0.0091	-0.0029	0.0018
7210	-0.004	0.182	-0.022	-0.0145	-0.0022	0.0022
7220	-0.007	0.202	-0.045	-0.0146	-0.0022	0.0022

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
7490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
7500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
7510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
7520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
7530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
7535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
7540	0.000	0.365	0.701	0.0000	0.0000	-0.0000
7550	0.001	0.364	0.727	0.0003	0.0004	0.0003
7560	0.003	0.362	0.763	0.0011	0.0013	0.0010
7570	0.006	0.360	0.782	0.0013	0.0015	0.0012
8020	0.006	0.360	0.782	0.0013	0.0014	0.0012
8030	0.008	0.358	0.802	0.0015	0.0015	0.0015
8040	0.014	0.352	0.824	0.0045	0.0035	0.0064
8050	0.020	0.344	0.843	0.0047	0.0035	0.0066
8060	0.025	0.337	0.863	0.0048	0.0035	0.0068
8068	0.032	0.327	0.885	0.0068	0.0023	0.0118
8069	0.036	0.285	0.892	0.0264	-0.0098	0.0153
8070	0.070	0.237	0.839	0.0364	-0.0120	0.0302
8078	0.126	0.214	0.774	0.0364	-0.0167	0.0316
8079	0.182	0.163	0.688	0.0389	-0.0249	0.0339
8080	0.183	0.097	0.588	0.0432	-0.0472	0.0241
8090	0.037	-0.131	-0.000	0.0290	-0.0476	0.0140
8100	-0.096	-0.216	-0.404	0.0160	-0.0239	0.0016
8108	-0.119	-0.218	-0.449	0.0160	-0.0235	0.0006
8109	-0.138	-0.200	-0.470	0.0204	-0.0120	-0.0078
8110	-0.129	-0.169	-0.429	0.0321	-0.0047	-0.0100
8120	-0.127	-0.167	-0.424	0.0322	-0.0045	-0.0100
8130	-0.112	-0.148	-0.375	0.0322	-0.0044	-0.0100
8140	-0.022	-0.031	-0.077	0.0318	-0.0038	-0.0094
8150	-0.008	-0.011	-0.028	0.0313	-0.0037	-0.0092
8160	-0.000	-0.000	-0.000	0.0245	-0.0025	-0.0071
8170	0.008	0.028	0.032	0.0059	0.0012	-0.0025
8180	0.009	0.048	0.030	-0.0023	0.0032	0.0005
8190	0.008	0.067	0.026	-0.0026	0.0032	0.0006
8200	0.006	0.100	0.018	-0.0027	0.0034	0.0008
8210	0.018	0.109	0.064	-0.0024	0.0034	0.0008
8220	0.034	0.120	0.123	-0.0023	0.0034	0.0008
8230	0.004	0.134	0.011	-0.0030	0.0035	0.0009
8240	-0.126	-0.241	-0.383	0.0125	-0.0128	-0.0017
8250	-0.132	-0.256	-0.363	0.0036	0.0101	-0.0093
8260	-0.120	-0.260	-0.348	0.0033	0.0107	-0.0095
8270	-0.054	-0.275	-0.277	0.0023	0.0126	-0.0104
8280	-0.039	-0.278	-0.262	0.0021	0.0129	-0.0107
8290	-0.012	-0.273	-0.248	-0.0105	0.0370	-0.0351
8300	0.030	-0.261	-0.233	-0.0107	0.0374	-0.0355
8310	0.099	-0.241	-0.210	-0.0107	0.0377	-0.0362
8320	0.073	-0.168	-0.133	-0.0106	0.0375	-0.0364
8330	0.026	0.015	0.027	0.0058	0.0038	-0.0125
8338	0.141	-0.186	-0.030	0.0051	0.0045	-0.0111

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8339	0.146	-0.175	-0.030	0.0069	-0.0016	0.0261
8340	0.111	-0.148	-0.021	0.0094	-0.0044	0.0499
8345	0.000	-0.121	0.000	0.0100	-0.0079	0.0442
8350	0.000	0.053	-0.000	-0.0259	-0.0308	-0.0378
8358	0.092	0.081	-0.070	-0.0300	-0.0343	-0.0423
8359	0.125	0.107	-0.104	-0.0081	-0.0279	-0.0329
8360	0.124	0.135	-0.122	0.0098	-0.0052	-0.0163
8370	0.124	0.136	-0.123	0.0104	-0.0050	-0.0161
8380	0.107	0.157	-0.129	0.0108	-0.0047	-0.0160
8390	0.078	0.194	-0.140	0.0115	-0.0038	-0.0160
8400	0.061	0.140	-0.085	0.0130	-0.0038	-0.0160
8410	0.018	-0.017	0.060	0.0140	-0.0038	-0.0160
8420	0.048	0.231	-0.147	0.0108	-0.0028	-0.0157
8430	0.059	-0.125	-0.090	-0.0106	0.0371	-0.0364
8440	0.022	-0.065	-0.040	-0.0098	0.0244	-0.0354
8445	-0.000	-0.003	-0.000	-0.0097	0.0182	-0.0342
8449	-0.063	0.154	0.020	-0.0121	-0.0094	-0.0230
8450	-0.057	0.147	-0.012	-0.0111	-0.0047	-0.0217
8451	-0.045	0.112	0.038	-0.0097	0.0083	-0.0316
8460	-0.057	0.146	-0.014	-0.0110	-0.0047	-0.0216
8470	-0.050	0.131	-0.031	-0.0110	-0.0046	-0.0216
8480	-0.024	0.069	-0.103	-0.0109	-0.0046	-0.0215
8490	-0.018	0.055	-0.120	-0.0110	-0.0045	-0.0215
8500	0.000	-0.000	-0.175	-0.0166	-0.0041	-0.0197
8510	0.030	-0.182	-0.277	-0.0258	-0.0033	-0.0163
8518	0.044	-0.304	-0.335	-0.0257	-0.0027	-0.0144
8519	0.055	-0.331	-0.372	-0.0118	0.0027	-0.0113
8520	0.066	-0.312	-0.386	0.0072	0.0059	-0.0039
8530	-0.000	0.054	-0.000	0.0087	0.0131	0.0095
8538	-0.508	0.459	0.014	0.0006	0.0211	0.0186
8539	-0.533	0.497	0.000	0.0016	0.0216	0.0176
8540	-0.524	0.538	-0.043	0.0006	0.0256	0.0150
8550	-0.481	0.589	-0.135	0.0009	0.0268	0.0143
8560	-0.453	0.621	-0.197	0.0010	0.0279	0.0135
8570	-0.228	0.615	-0.095	0.0005	0.0278	0.0129
8578	-0.102	0.614	-0.036	0.0002	0.0270	0.0126
8579	-0.027	0.600	0.000	-0.0001	0.0165	0.0083
8580	0.000	0.563	0.007	0.0082	0.0116	-0.0001
8590	-0.000	0.552	-0.000	0.0085	0.0112	-0.0002
8600	-0.001	0.521	-0.029	0.0077	0.0102	-0.0006
8610	-0.002	0.499	-0.042	0.0075	0.0101	-0.0006
8620	-0.011	0.334	-0.123	0.0045	0.0098	-0.0007
8630	-0.012	0.312	-0.130	0.0041	0.0098	-0.0007
8640	-0.014	0.282	-0.127	-0.0032	0.0087	-0.0006
8648	-0.523	0.624	-0.228	0.0012	0.0280	0.0133
8649	-0.586	0.643	-0.296	0.0006	0.0259	0.0126
8650	-0.579	0.673	-0.374	-0.0011	0.0191	0.0082
8658	-0.546	0.695	-0.426	-0.0013	0.0184	0.0077
8659	-0.509	0.688	-0.461	-0.0054	0.0083	-0.0029

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
8660	-0.519	0.644	-0.443	-0.0116	0.0044	-0.0135
8690	-0.013	0.253	-0.106	-0.0088	0.0080	0.0005
8700	-0.010	0.224	-0.071	-0.0144	0.0066	0.0018
8710	-0.007	0.205	-0.048	-0.0145	0.0065	0.0019
9120	0.013	0.270	-0.144	0.0024	0.0056	-0.0082
9130	0.032	0.251	-0.150	0.0105	-0.0023	-0.0155
9190	0.002	0.153	0.006	-0.0033	0.0036	0.0010
9200	-0.000	0.167	-0.000	-0.0093	0.0050	0.0016
9210	-0.003	0.182	-0.021	-0.0144	0.0064	0.0019
9220	-0.006	0.202	-0.044	-0.0145	0.0065	0.0019
9490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
9500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
9510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
9520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
9530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
9535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
9540	0.000	0.365	0.701	0.0000	0.0000	-0.0000
9550	0.001	0.364	0.727	0.0003	0.0004	0.0003
9560	0.003	0.362	0.763	0.0011	0.0013	0.0010
9570	0.006	0.360	0.782	0.0013	0.0014	0.0012
10020	0.006	0.361	0.782	0.0012	0.0015	0.0012
10030	0.008	0.359	0.802	0.0013	0.0016	0.0015
10040	0.015	0.353	0.823	0.0042	0.0036	0.0064
10050	0.020	0.346	0.843	0.0043	0.0037	0.0066
10060	0.026	0.340	0.863	0.0044	0.0037	0.0068
10068	0.033	0.330	0.885	0.0067	0.0024	0.0118
10069	0.036	0.286	0.890	0.0294	-0.0108	0.0150
10070	0.068	0.234	0.829	0.0417	-0.0136	0.0290
10078	0.122	0.212	0.755	0.0416	-0.0184	0.0303
10079	0.174	0.163	0.659	0.0422	-0.0261	0.0312
10080	0.173	0.103	0.555	0.0450	-0.0465	0.0209
10090	0.028	-0.097	0.000	0.0268	-0.0408	0.0137
10100	-0.105	-0.203	-0.310	0.0102	-0.0173	0.0052
10108	-0.128	-0.212	-0.344	0.0101	-0.0178	0.0042
10109	-0.150	-0.200	-0.367	0.0127	-0.0127	-0.0062
10110	-0.141	-0.169	-0.342	0.0253	-0.0062	-0.0109
10120	-0.139	-0.167	-0.339	0.0254	-0.0060	-0.0109
10130	-0.122	-0.148	-0.299	0.0255	-0.0059	-0.0109
10140	-0.024	-0.031	-0.062	0.0255	-0.0054	-0.0103
10150	-0.008	-0.011	-0.023	0.0251	-0.0053	-0.0101
10160	-0.000	-0.000	-0.000	0.0196	-0.0044	-0.0078
10170	0.009	0.028	0.025	0.0046	-0.0014	-0.0027
10180	0.010	0.048	0.023	-0.0018	-0.0000	0.0006
10190	0.009	0.067	0.020	-0.0019	0.0000	0.0007
10200	0.006	0.101	0.014	-0.0020	0.0001	0.0009
10210	0.007	0.107	0.060	-0.0017	0.0001	0.0009
10220	0.008	0.114	0.119	-0.0016	0.0001	0.0009
10230	0.004	0.134	0.009	-0.0023	0.0002	0.0010
10240	-0.125	-0.217	-0.288	0.0059	-0.0073	0.0031

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10250	-0.125	-0.221	-0.268	-0.0043	0.0126	-0.0018
10260	-0.109	-0.215	-0.253	-0.0046	0.0130	-0.0019
10270	-0.032	-0.186	-0.183	-0.0057	0.0146	-0.0026
10280	-0.014	-0.180	-0.167	-0.0059	0.0147	-0.0027
10290	0.009	-0.167	-0.152	-0.0162	0.0275	-0.0185
10300	0.041	-0.148	-0.138	-0.0163	0.0277	-0.0188
10310	0.092	-0.118	-0.115	-0.0162	0.0276	-0.0192
10320	0.066	-0.079	-0.058	-0.0160	0.0271	-0.0193
10330	0.027	0.015	0.024	0.0045	0.0017	-0.0127
10338	0.141	-0.187	-0.025	0.0037	0.0042	-0.0111
10339	0.147	-0.175	-0.024	0.0053	-0.0014	0.0263
10340	0.112	-0.149	-0.017	0.0077	-0.0042	0.0502
10345	0.000	-0.122	0.000	0.0085	-0.0075	0.0445
10350	0.000	0.053	-0.000	-0.0232	-0.0293	-0.0384
10358	0.094	0.080	-0.063	-0.0268	-0.0326	-0.0430
10359	0.127	0.107	-0.093	-0.0061	-0.0266	-0.0334
10360	0.127	0.135	-0.111	0.0106	-0.0057	-0.0163
10370	0.126	0.136	-0.111	0.0113	-0.0055	-0.0162
10380	0.110	0.157	-0.118	0.0116	-0.0052	-0.0161
10390	0.080	0.194	-0.130	0.0123	-0.0044	-0.0160
10400	0.061	0.137	-0.075	0.0138	-0.0044	-0.0160
10410	0.010	-0.029	0.069	0.0148	-0.0044	-0.0160
10420	0.050	0.232	-0.139	0.0115	-0.0035	-0.0158
10430	0.051	-0.057	-0.027	-0.0159	0.0264	-0.0192
10440	0.022	-0.031	-0.005	-0.0137	0.0051	-0.0161
10445	-0.000	-0.003	-0.000	-0.0133	-0.0046	-0.0143
10449	-0.109	0.083	-0.306	-0.0112	-0.0300	-0.0041
10450	-0.084	0.070	-0.349	-0.0053	-0.0072	-0.0054
10451	-0.113	0.083	-0.228	-0.0113	-0.0347	-0.0072
10460	-0.083	0.069	-0.351	-0.0052	-0.0070	-0.0054
10470	-0.074	0.062	-0.368	-0.0052	-0.0070	-0.0054
10480	-0.035	0.033	-0.440	-0.0051	-0.0068	-0.0054
10490	-0.026	0.027	-0.456	-0.0051	-0.0067	-0.0054
10500	0.000	-0.000	-0.511	-0.0095	-0.0058	-0.0050
10510	0.044	-0.116	-0.613	-0.0165	-0.0051	-0.0043
10518	0.066	-0.192	-0.671	-0.0152	-0.0044	-0.0039
10519	0.073	-0.196	-0.697	0.0036	-0.0003	-0.0023
10520	0.074	-0.163	-0.679	0.0257	0.0015	0.0006
10525	-0.000	0.156	-0.000	0.0158	0.0084	0.0065
10530	-0.029	0.207	0.045	0.0082	0.0096	0.0080
10538	-0.472	0.612	0.057	0.0052	0.0185	0.0193
10539	-0.506	0.655	0.065	0.0169	0.0156	0.0268
10540	-0.505	0.722	0.051	0.0198	0.0156	0.0323
10550	-0.394	1.009	-0.099	0.0276	0.0186	0.0310
10560	-0.366	1.078	-0.142	0.0296	0.0199	0.0296
10570	-0.203	0.836	-0.040	0.0301	0.0204	0.0257
10578	-0.110	0.699	0.018	0.0293	0.0202	0.0235
10579	-0.038	0.616	0.029	0.0177	0.0117	0.0178
10580	-0.001	0.564	0.008	0.0098	0.0051	0.0010

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
10590	-0.000	0.553	-0.000	0.0098	0.0049	0.0006
10600	-0.000	0.522	-0.030	0.0080	0.0045	-0.0004
10610	-0.001	0.500	-0.045	0.0078	0.0045	-0.0005
10620	-0.009	0.335	-0.127	0.0046	0.0043	-0.0007
10630	-0.010	0.313	-0.135	0.0042	0.0043	-0.0007
10640	-0.012	0.283	-0.131	-0.0034	0.0039	-0.0008
10648	-0.416	1.153	-0.174	0.0292	0.0200	0.0302
10649	-0.458	1.256	-0.233	0.0195	0.0196	0.0274
10650	-0.445	1.345	-0.299	0.0146	0.0166	0.0212
10658	-0.411	1.403	-0.344	0.0127	0.0163	0.0206
10659	-0.365	1.425	-0.389	0.0054	0.0061	0.0016
10660	-0.382	1.382	-0.380	-0.0145	-0.0012	-0.0233
10690	-0.012	0.253	-0.109	-0.0092	0.0034	0.0003
10700	-0.008	0.225	-0.073	-0.0148	0.0024	0.0016
10710	-0.006	0.205	-0.049	-0.0149	0.0023	0.0017
11120	0.015	0.271	-0.140	0.0026	0.0027	-0.0083
11130	0.034	0.252	-0.143	0.0111	-0.0031	-0.0156
11190	0.002	0.153	0.005	-0.0026	0.0003	0.0010
11200	-0.000	0.168	-0.000	-0.0091	0.0013	0.0015
11210	-0.003	0.183	-0.022	-0.0148	0.0022	0.0017
11220	-0.005	0.202	-0.045	-0.0149	0.0023	0.0017
11490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
11500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
11510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
11520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
11530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
11535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
11540	0.000	0.365	0.701	0.0000	0.0000	-0.0000
11550	0.001	0.364	0.727	0.0003	0.0004	0.0003
11560	0.003	0.362	0.763	0.0011	0.0013	0.0010
11570	0.006	0.360	0.782	0.0013	0.0015	0.0012
13490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
13500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
13510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
13520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
13530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
13535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
13540	0.000	0.365	0.701	0.0000	0.0000	-0.0000
13550	0.001	0.364	0.727	0.0003	0.0004	0.0003
13560	0.003	0.362	0.763	0.0011	0.0013	0.0010
13570	0.006	0.360	0.782	0.0013	0.0014	0.0012
15490	-0.000	-1.990	0.000	-0.0000	0.0000	-0.0000
15500	0.000	-1.990	0.381	-0.0000	0.0000	-0.0000
15510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
15520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
15530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
15535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
15540	0.000	0.365	0.701	0.0000	0.0000	0.0000
15550	0.001	0.364	0.727	0.0003	0.0004	0.0003

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:6
Job Name: 8.1.2 DISPLACEMENT REPORT
Licensed To: ROSETTI spaLicensed To: ROSETTI
DISPLACEMENTS REPORT: Nodal Movements
CASE 23 (OPE) W+T3-U2-U3

Node	DX mm.	DY mm.	DZ mm.	RX deg.	RY deg.	RZ deg.
15560	0.003	0.362	0.763	0.0011	0.0012	0.0010
15570	0.006	0.360	0.782	0.0013	0.0014	0.0012
17490	-0.000	-1.990	0.000	0.0000	0.0000	-0.0000
17500	0.000	-1.990	0.381	0.0000	0.0000	-0.0000
17510	0.000	-0.000	0.381	-0.0000	0.0000	-0.0000
17520	0.000	-0.000	-0.000	-0.0000	0.0000	-0.0000
17530	0.000	0.365	0.381	-0.0000	0.0000	-0.0000
17535	0.000	0.365	0.701	-0.0000	0.0000	-0.0000
17540	0.000	0.365	0.701	0.0000	0.0000	-0.0000
17550	0.001	0.364	0.727	0.0003	0.0004	0.0003
17560	0.003	0.362	0.763	0.0010	0.0013	0.0010
17570	0.006	0.361	0.782	0.0012	0.0015	0.0012
18000	-0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
18010	0.000	-0.002	0.172	0.0002	0.0001	-0.0001
18020	0.002	-0.010	0.451	0.0004	0.0002	-0.0003
18022	0.071	-0.012	0.449	0.0005	0.0003	-0.0003
18025	0.071	-0.012	0.449	0.0005	0.0003	-0.0003
18027	0.093	-0.013	0.448	0.0007	0.0011	-0.0010
18030	0.116	-0.015	0.446	0.0007	0.0011	-0.0010
18040	0.006	-0.021	0.726	0.0005	0.0001	-0.0003
18042	0.006	-0.021	0.726	0.0005	0.0001	-0.0003
18045	0.006	-0.023	0.748	0.0011	0.0001	-0.0005
18050	0.006	-0.025	0.771	0.0012	0.0001	-0.0005
19000	0.000	-0.000	-0.000	0.0000	0.0000	-0.0000
19500	0.030	-0.051	0.837	0.0006	0.0006	-0.0003
19550	0.033	0.038	0.842	0.0006	0.0007	-0.0003
19560	0.033	0.038	0.842	0.0006	0.0007	-0.0003
19580	0.033	0.048	0.843	0.0005	0.0010	-0.0004
19600	0.034	0.065	0.843	0.0005	0.0010	-0.0004

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spa

1 Load Cases
2 Restraint Summary Extended
5 (OPE) W+T3+P1
7 (OPE) W+T4+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spa

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.

LOAD CASE DEFINITION KEY

CASE 5 (OPE) W+T3+P1
CASE 7 (OPE) W+T4+P1
CASE 9 (OPE) W+T3+P1+WIN1
CASE 10 (OPE) W+T3+P1+WIN2
CASE 11 (OPE) W+T3+P1+WIN3
CASE 12 (OPE) W+T3+P1+WIN4
CASE 13 (OPE) W+T3+P1+F1
CASE 14 (SUS) W+P1
CASE 16 (OPE) W+T3+U1+U3
CASE 17 (OPE) W+T3-U1+U3
CASE 18 (OPE) W+T3+U2+U3
CASE 19 (OPE) W+T3-U2+U3
CASE 20 (OPE) W+T3+U1-U3
CASE 21 (OPE) W+T3-U1-U3
CASE 22 (OPE) W+T3+U2-U3
CASE 23 (OPE) W+T3-U2-U3

20	TYPE=Rigid ANC;Tag=/V-25001D/4N								
5(OPE)	696	45	-977	99	220	214	0.006	0.364	0.782
7(OPE)	2450	195	-2478	334	779	749	0.021	1.270	2.731
9(OPE)	749	43	-976	100	240	218	0.007	0.364	0.782
10(OPE)	643	44	-968	98	200	211	0.005	0.364	0.782
11(OPE)	705	128	-993	63	224	214	0.006	0.365	0.782
12(OPE)	685	-42	-963	137	215	215	0.006	0.363	0.782
13(OPE)	696	41	-967	100	220	215	0.006	0.364	0.782
14(SUS)	-3	-4	-369	-4	-2	-0	-0.000	0.000	-0.000
16(OPE)	1250	69	-863	98	419	286	0.012	0.364	0.782
17(OPE)	129	-29	-681	126	14	143	0.000	0.363	0.782
18(OPE)	721	395	-830	-10	223	217	0.006	0.367	0.782
19(OPE)	596	-395	-577	254	199	198	0.005	0.359	0.782
20(OPE)	1249	58	-1227	98	420	287	0.012	0.364	0.782
21(OPE)	104	-45	-1051	130	2	139	0.000	0.363	0.782
22(OPE)	709	378	-1180	1	224	214	0.006	0.367	0.782
23(OPE)	663	-328	-1108	207	207	213	0.006	0.360	0.782
MAX	2450/L7	395/L18	-2478/L7	334/L7	779/L7	749/L7	0.021/L7	1.270/L7	2.731/L7
90	TYPE=Rigid Z; Rigid Y w/gap;								
5(OPE)	57	-123	491	0	-0	0	0.029	-0.063	0.000
7(OPE)	244	-484	1955	0	-0	0	0.101	-0.201	0.000
9(OPE)	68	-119	489	0	-0	0	0.037	-0.065	0.000
10(OPE)	44	-124	459	0	-0	0	0.022	-0.062	0.000
11(OPE)	73	-126	536	0	-0	0	0.026	-0.044	0.000
12(OPE)	45	-115	453	0	-0	0	0.032	-0.083	0.000
13(OPE)	54	-114	455	0	-0	0	0.030	-0.065	0.000
14(SUS)	-16	4	-122	0	-0	0	-0.000	0.000	-0.000
16(OPE)	177	-102	727	0	-0	0	0.157	-0.091	0.000
17(OPE)	-54	-33	230	0	-0	0	-0.095	-0.059	0.000
18(OPE)	126	-99	591	0	-0	0	0.019	-0.015	0.000
19(OPE)	1	-4	15	0	-0	0	0.044	-0.157	0.000
20(OPE)	144	-86	593	0	-0	0	0.160	-0.096	0.000
21(OPE)	-28	-17	119	0	-0	0	-0.102	-0.064	0.000
22(OPE)	84	-95	467	0	-0	0	0.025	-0.028	0.000
23(OPE)	23	-75	273	0	-0	0	0.034	-0.113	0.000
MAX	244/L7	-484/L7	1955/L7				0.160/L20	-0.201/L7	0.000/L7
160	TYPE=Rigid X; Rigid Y; Rigid Z;								
5(OPE)	-1381	-1858	-2840	0	-0	0	-0.000	-0.000	-0.000
7(OPE)	-4843	-1908	-5103	0	-0	0	-0.000	-0.000	-0.000
9(OPE)	-1303	-1872	-2852	0	-0	0	-0.000	-0.000	-0.000
10(OPE)	-1458	-1816	-2858	0	-0	0	-0.000	-0.000	-0.000
11(OPE)	-1414	-1723	-2810	0	-0	0	-0.000	-0.000	-0.000
12(OPE)	-1348	-2010	-2863	0	-0	0	-0.000	-0.000	-0.000
13(OPE)	-1375	-1859	-2879	0	-0	0	-0.000	-0.000	-0.000
14(SUS)	2	-19	-1979	0	-0	0	0.000	-0.000	-0.000
16(OPE)	233	-2114	-1745	0	-0	0	0.000	-0.000	-0.000
17(OPE)	-3048	-2261	-2103	0	-0	0	-0.000	-0.000	-0.000
18(OPE)	-1421	5435	-1731	0	-0	0	-0.000	0.000	-0.000
19(OPE)	-1198	-7469	-2159	0	-0	0	-0.000	-0.000	-0.000
20(OPE)	199	-4117	-3734	0	-0	0	0.000	-0.000	-0.000
21(OPE)	-3069	-4156	-4043	0	-0	0	-0.000	-0.000	-0.000
22(OPE)	-1459	3265	-3526	0	-0	0	-0.000	0.000	-0.000
23(OPE)	-1404	-9225	-4265	0	-0	0	-0.000	-0.000	-0.000
MAX	-4843/L7	-9225/L23	-5103/L7				-0.000/L7	-0.000/L23	-0.000/L7
345	TYPE=Rigid Z; Rigid X;								
5(OPE)	834	-82	88	0	-0	0	0.000	-0.000	0.000
7(OPE)	2921	109	116	0	-0	0	0.000	0.000	0.000
9(OPE)	845	-104	90	0	-0	0	0.000	-0.000	0.000
10(OPE)	820	-68	86	0	-0	0	0.000	-0.000	0.000
11(OPE)	843	-46	89	0	-0	0	0.000	-0.000	0.000
12(OPE)	825	-122	87	0	-0	0	0.000	-0.001	0.000
13(OPE)	833	-82	88	0	-0	0	0.000	-0.000	0.000
14(SUS)	-0	-0	77	0	-0	0	-0.000	-0.000	0.000
16(OPE)	700	-206	42	0	-0	0	0.000	-0.065	0.000
17(OPE)	1027	183	58	0	-0	0	0.000	0.001	0.000
18(OPE)	785	229	59	0	-0	0	0.000	0.074	0.000
19(OPE)	848	-290	61	0	-0	0	0.000	-0.035	0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	20(OPE)	738	-253	119	0	-0	0	0.000	-0.107	0.000
	21(OPE)	1028	177	134	0	-0	0	0.000	0.001	0.000
	22(OPE)	850	265	144	0	-0	0	0.000	0.004	0.000
	23(OPE)	910	-305	110	0	-0	0	0.000	-0.098	0.000
	MAX	2921/L7	-305/L23	144/L22				0.000/L7	-0.107/L20	0.000/L22
350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	476	254	-351	0	-0	0	0.000	0.177	-0.000
	7(OPE)	1638	506	144	0	-0	0	0.000	0.621	0.000
	9(OPE)	519	272	-362	0	-0	0	0.000	0.176	-0.000
	10(OPE)	437	243	-353	0	-0	0	0.000	0.177	-0.000
	11(OPE)	462	248	-334	0	-0	0	0.000	0.177	-0.000
	12(OPE)	488	264	-361	0	-0	0	0.000	0.176	-0.000
	13(OPE)	476	254	-351	0	-0	0	0.000	0.177	-0.000
	14(SUS)	1	-0	-543	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	911	425	-462	0	-0	0	0.000	0.110	-0.000
	17(OPE)	-18	83	274	0	-0	0	-0.000	0.180	0.000
	18(OPE)	462	151	-56	0	-0	0	0.000	0.253	-0.000
	19(OPE)	509	176	-85	0	-0	0	0.000	0.140	-0.000
	20(OPE)	875	559	-1002	0	-0	0	0.000	0.068	-0.000
	21(OPE)	-12	79	-265	0	-0	0	-0.000	0.180	-0.000
	22(OPE)	395	267	-601	0	-0	0	0.000	0.183	-0.000
	23(OPE)	462	321	-632	0	-0	0	0.000	0.077	-0.000
	MAX	1638/L7	559/L20	-1002/L20				0.000/L7	0.621/L7	-0.000/L20
444		TYPE=Rigid +Z; Rigid X;								
	5(OPE)	-395	-71	-1830	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-1049	-402	-125	0	-0	0	-0.000	-0.003	-0.000
	9(OPE)	-393	-61	-1807	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-385	-78	-1763	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-408	-36	-1918	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-384	-107	-1764	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	490	-73	-1785	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-122	30	-2415	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	555	-78	-727	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-1174	-124	-115	0	-0	0	-0.000	-0.001	-0.000
	18(OPE)	-315	225	-376	0	-0	0	-0.000	0.274	-0.000
	19(OPE)	-199	-64	2	0	-0	0	-0.000	-0.884	0.024
	20(OPE)	443	-25	-3113	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-1315	-65	-2609	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-455	470	-3079	0	-0	0	-0.000	0.002	-0.000
	23(OPE)	-418	-588	-2664	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1315/L21	-588/L23	-3113/L20				-0.000/L21	-0.884/L19	0.024/L19
500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	-39	-278	-105	0	-0	0	-0.000	-0.000	-0.320
	7(OPE)	-521	-751	-393	0	-0	0	-0.000	-0.000	-0.618
	9(OPE)	107	-297	-122	0	-0	0	0.000	-0.000	-0.310
	10(OPE)	-191	-262	-144	0	-0	0	-0.000	-0.000	-0.308
	11(OPE)	-34	-144	-54	0	-0	0	-0.000	-0.000	-0.340
	12(OPE)	-43	-411	-141	0	-0	0	-0.000	-0.000	-0.305
	13(OPE)	-42	-276	-106	0	-0	0	-0.000	-0.000	-0.310
	14(SUS)	143	-32	-52	0	-0	0	0.000	-0.000	-0.178
	16(OPE)	312	-249	-156	0	-0	0	0.000	-0.000	-0.229
	17(OPE)	-568	-217	-251	0	-0	0	-0.000	-0.000	-0.140
	18(OPE)	-152	675	-232	0	-0	0	-0.000	0.000	-0.180
	19(OPE)	-208	-1442	-506	0	-0	0	-0.000	-0.000	-0.004
	20(OPE)	446	-324	-221	0	-0	0	0.000	-0.000	-0.399
	21(OPE)	-419	-302	-245	0	-0	0	-0.000	-0.000	-0.339
	22(OPE)	15	417	-127	0	-0	0	0.000	0.000	-0.411
	23(OPE)	3	-999	-324	0	-0	0	0.000	-0.000	-0.330
	MAX	-568/L17	-1442/L19	-506/L19				-0.000/L17	-0.000/L19	-0.618/L7
530		TYPE=Rigid X; Rigid Z;								
	5(OPE)	120	178	-461	0	-0	0	0.000	0.124	-0.000
	7(OPE)	434	399	-1000	0	-0	0	0.000	0.570	-0.000
	9(OPE)	262	218	-463	0	-0	0	0.000	0.104	-0.000
	10(OPE)	-26	146	-450	0	-0	0	-0.000	0.135	-0.000
	11(OPE)	127	177	-465	0	-0	0	0.000	0.186	-0.000
	12(OPE)	116	179	-460	0	-0	0	0.000	0.065	-0.000
	13(OPE)	121	178	-459	0	-0	0	0.000	0.123	-0.000
	14(SUS)	-6	23	-236	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	261	171	-346	0	-0	0	0.000	0.139	-0.000
	17(OPE)	-28	106	-307	0	-0	0	-0.000	0.136	-0.000
	18(OPE)	143	122	-315	0	-0	0	0.000	0.185	-0.000
	19(OPE)	103	133	-297	0	-0	0	0.000	0.365	-0.000
	20(OPE)	261	245	-586	0	-0	0	0.000	0.095	-0.000
	21(OPE)	-28	190	-554	0	-0	0	-0.000	0.088	-0.000
	22(OPE)	132	232	-565	0	-0	0	0.000	0.238	-0.000
	23(OPE)	114	147	-580	0	-0	0	0.000	0.001	-0.000
	MAX	434/L7	399/L7	-1000/L7				0.000/L7	0.570/L7	-0.000/L7
590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	191	990	-3086	0	-0	0	0.000	0.568	-0.000
	7(OPE)	781	1201	-3325	0	-0	0	0.000	1.996	-0.000
	9(OPE)	337	1032	-3068	0	-0	0	0.000	0.568	-0.000
	10(OPE)	12	938	-3078	0	-0	0	0.000	0.568	-0.000
	11(OPE)	249	1007	-3131	0	-0	0	0.000	0.568	-0.000
	12(OPE)	150	975	-3056	0	-0	0	0.000	0.568	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	13(OPE)	191	990	-3089	0	-0	0	0.000	0.568	-0.000
	14(SUS)	-9	3	-3016	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	2129	1119	-1470	0	-0	0	0.000	0.567	-0.000
	17(OPE)	-1749	1029	-1637	0	-0	0	-0.000	0.567	-0.000
	18(OPE)	238	559	-1765	0	-0	0	0.000	0.584	-0.000
	19(OPE)	201	499	-1439	0	-0	0	0.000	0.558	-0.000
	20(OPE)	2143	2033	-4494	0	-0	0	0.000	0.562	-0.000
	21(OPE)	-1768	1948	-4651	0	-0	0	-0.000	0.562	-0.000
	22(OPE)	266	1472	-4743	0	-0	0	0.000	0.578	-0.000
	23(OPE)	200	1408	-4482	0	-0	0	0.000	0.551	-0.000
	MAX	2143/L20	2033/L20	-4743/L22				0.000/L20	1.996/L7	-0.000/L22
705		TYPE=Rigid Y; Rigid Z;								
	5(OPE)	251	-81	-756	0	-0	0	0.883	-0.000	-0.000
	7(OPE)	142	75	-373	0	-0	0	3.088	0.000	-0.000
	9(OPE)	296	-212	-772	0	-0	0	0.884	-0.000	-0.000
	10(OPE)	258	-84	-765	0	-0	0	0.882	-0.000	-0.000
	11(OPE)	399	611	-709	0	-0	0	0.882	0.000	-0.000
	12(OPE)	449	-706	-786	0	-0	0	0.882	-0.000	-0.000
	13(OPE)	251	-81	-756	0	-0	0	0.883	-0.000	-0.000
	14(SUS)	5	-10	-890	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	172	-269	-338	0	-0	0	0.889	-0.000	-0.000
	17(OPE)	136	-117	-336	0	-0	0	0.879	-0.000	-0.000
	18(OPE)	402	1077	-226	0	-0	0	0.882	0.000	-0.000
	19(OPE)	387	-922	-363	0	-0	0	0.883	-0.000	-0.000
	20(OPE)	455	-298	-1225	0	-0	0	0.887	-0.000	-0.000
	21(OPE)	412	-143	-1223	0	-0	0	0.878	-0.000	-0.000
	22(OPE)	648	985	-1139	0	-0	0	0.881	0.000	-0.000
	23(OPE)	678	-1031	-1229	0	-0	0	0.881	-0.000	-0.000
	MAX	678/L23	1077/L18	-1229/L23				3.088/L7	0.000/L18	-0.000/L23
735		TYPE=Rigid X; Rigid +Z;								
	5(OPE)	107	470	-1450	0	-0	0	0.000	0.285	-0.000
	7(OPE)	455	809	-2125	0	-0	0	0.000	1.637	-0.000
	9(OPE)	693	680	-1474	0	-0	0	0.000	0.123	-0.000
	10(OPE)	-510	627	-1372	0	-0	0	-0.000	0.147	-0.000
	11(OPE)	-169	558	-1515	0	-0	0	-0.000	0.716	-0.000
	12(OPE)	23	186	-1416	0	-0	0	0.000	0.001	-0.000
	13(OPE)	106	470	-1449	0	-0	0	0.000	0.284	-0.000
	14(SUS)	-14	5	-1227	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	2611	837	-915	0	-0	0	0.000	0.003	-0.000
	17(OPE)	-2500	789	-672	0	-0	0	-0.000	0.003	-0.000
	18(OPE)	-357	426	-1037	0	-0	0	-0.000	1.077	-0.000
	19(OPE)	195	-83	-776	0	-0	0	0.000	-0.000	-0.000
	20(OPE)	2638	859	-2101	0	-0	0	0.000	0.002	-0.000
	21(OPE)	-2644	794	-1928	0	-0	0	-0.000	0.002	-0.000
	22(OPE)	-385	745	-2200	0	-0	0	-0.000	0.866	-0.000
	23(OPE)	-151	-158	-2027	0	-0	0	-0.000	-0.001	-0.000
	MAX	-2644/L21	859/L20	-2200/L22				-0.000/L21	1.637/L7	-0.000/L22
775		TYPE=Rigid +Z;								
	5(OPE)	-199	515	-2094	0	-0	0	-0.447	1.159	-0.000
	7(OPE)	-432	1060	-3933	0	-0	0	-1.654	4.062	-0.000
	9(OPE)	-195	504	-1967	0	-0	0	-0.448	1.160	-0.000
	10(OPE)	-245	604	-2177	0	-0	0	-0.470	1.157	-0.000
	11(OPE)	-226	619	-2236	0	-0	0	-0.425	1.165	-0.000
	12(OPE)	-199	499	-1967	0	-0	0	-0.459	1.154	-0.000
	13(OPE)	-199	516	-2099	0	-0	0	-0.447	1.159	-0.000
	14(SUS)	20	28	-1430	0	-0	0	0.000	0.000	-0.000
	16(OPE)	-118	280	-1024	0	-0	0	-0.490	1.161	-0.000
	17(OPE)	-197	435	-1648	0	-0	0	-0.525	1.158	-0.000
	18(OPE)	-156	447	-1737	0	-0	0	-0.413	1.179	-0.000
	19(OPE)	-122	292	-1079	0	-0	0	-0.479	1.148	-0.000
	20(OPE)	-240	673	-2518	0	-0	0	-0.413	1.159	-0.000
	21(OPE)	-321	738	-3021	0	-0	0	-0.503	1.155	-0.000
	22(OPE)	-302	891	-3163	0	-0	0	-0.398	1.174	-0.000
	23(OPE)	-273	680	-2509	0	-0	0	-0.459	1.143	-0.000
	MAX	-432/L7	1060/L7	-3933/L7				-1.654/L7	4.062/L7	-0.000/L7
785		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-928	381	328	0	-0	0	-0.000	0.766	0.000
	7(OPE)	-1948	893	1053	0	-0	0	-0.000	2.686	0.000
	9(OPE)	-174	99	169	0	-0	0	-0.000	0.767	0.000
	10(OPE)	-1523	603	461	0	-0	0	-0.000	0.764	0.000
	11(OPE)	-552	316	429	0	-0	0	-0.000	0.771	0.000
	12(OPE)	-1263	450	239	0	-0	0	-0.000	0.762	0.000
	13(OPE)	-929	381	329	0	-0	0	-0.000	0.766	0.000
	14(SUS)	25	28	64	0	-0	0	0.000	0.000	0.000
	16(OPE)	999	294	-42	0	-0	0	0.000	0.767	-0.000
	17(OPE)	-2031	770	562	0	-0	0	-0.000	0.765	0.000
	18(OPE)	-297	218	426	0	-0	0	-0.000	0.781	0.000
	19(OPE)	-1526	536	298	0	-0	0	-0.000	0.757	0.000
	20(OPE)	125	67	102	0	-0	0	0.000	0.766	0.000
	21(OPE)	-1916	746	574	0	-0	0	-0.000	0.762	0.000
	22(OPE)	-321	243	507	0	-0	0	-0.000	0.777	0.000
	23(OPE)	-1511	525	306	0	-0	0	-0.000	0.754	0.000
	MAX	-2031/L17	893/L7	1053/L7				-0.000/L17	2.686/L7	0.000/L7
797		TYPE=Rigid +Z; Rigid Y;								

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	5(OPE)	300	-1859	479	0	-0	0	0.206	-0.000	0.328
	7(OPE)	396	-1691	320	0	-0	0	1.252	-0.000	1.011
	9(OPE)	317	-1177	248	0	-0	0	0.359	-0.000	0.281
	10(OPE)	241	-2413	724	0	-0	0	0.122	-0.000	0.366
	11(OPE)	99	-631	191	0	-0	0	0.196	-0.000	0.379
	12(OPE)	582	-3121	783	0	-0	0	0.207	-0.000	0.279
	13(OPE)	301	-1862	480	0	-0	0	0.206	-0.000	0.329
	14(SUS)	-18	-415	127	0	-0	0	-0.010	-0.000	0.068
	16(OPE)	213	-777	39	0	-0	0	0.830	-0.000	0.154
	17(OPE)	62	-1839	606	0	-0	0	0.040	-0.000	0.392
	18(OPE)	453	2924	736	0	-0	0	0.180	0.000	0.293
	19(OPE)	935	-4537	1041	0	-0	0	0.201	-0.000	0.224
	20(OPE)	413	-1575	311	0	-0	0	0.369	-0.000	0.278
	21(OPE)	179	-3293	1014	0	-0	0	0.074	-0.000	0.420
	22(OPE)	132	1195	326	0	-0	0	0.165	0.000	0.409
	23(OPE)	1204	-5972	1641	0	-0	0	0.178	-0.000	0.243
	MAX	1204/L23	-5972/L23	1641/L23				1.252/L7	-0.000/L23	1.011/L7
860		TYPE=Rigid ANC;Tag=/V-43001_N1								
	5(OPE)	-212	-1075	-1480	476	1399	-1493	0.114	-0.007	0.448
	7(OPE)	-284	-3698	-2624	1593	2937	-5233	0.395	-0.026	1.569
	9(OPE)	103	-1021	-1454	443	1493	-1457	0.116	-0.006	0.447
	10(OPE)	-459	-1099	-1506	488	1333	-1511	0.112	-0.007	0.449
	11(OPE)	-209	-830	-1391	481	1234	-1296	0.114	-0.004	0.448
	12(OPE)	-232	-1327	-1573	474	1563	-1694	0.114	-0.010	0.448
	13(OPE)	-212	-1075	-1480	476	1399	-1493	0.114	-0.007	0.448
	14(SUS)	94	133	-898	-56	681	126	0.002	0.001	-0.002
	16(OPE)	1094	-888	-983	344	1384	-1401	0.119	-0.006	0.447
	17(OPE)	-1081	-1154	-1008	517	829	-1556	0.108	-0.007	0.451
	18(OPE)	-439	-771	-1111	569	1118	-1393	0.112	-0.000	0.449
	19(OPE)	-340	-1654	-1192	495	1311	-1850	0.114	-0.016	0.448
	20(OPE)	643	-988	-1936	432	1929	-1422	0.120	-0.006	0.445
	21(OPE)	-954	-1044	-1984	463	1666	-1462	0.110	-0.006	0.449
	22(OPE)	-224	-563	-1868	486	1601	-1192	0.114	0.000	0.447
	23(OPE)	-323	-1599	-2224	469	2198	-1799	0.116	-0.015	0.446
	MAX	1094/L16	-3698/L7	-2624/L7	1593/L7	2937/L7	-5233/L7	0.395/L7	-0.026/L7	1.569/L7
875		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	532	1030	-3433	0	-0	0	0.060	0.116	-0.000
	7(OPE)	893	500	-3076	0	-0	0	0.768	0.429	-0.000
	9(OPE)	937	506	-3194	0	-0	0	0.199	0.107	-0.000
	10(OPE)	-35	1209	-3691	0	-0	0	-0.004	0.128	-0.000
	11(OPE)	508	982	-3255	0	-0	0	0.075	0.144	-0.000
	12(OPE)	483	1113	-3626	0	-0	0	0.038	0.088	-0.000
	13(OPE)	532	1031	-3434	0	-0	0	0.060	0.116	-0.000
	14(SUS)	-42	260	-3267	0	-0	0	-0.000	0.001	-0.000
	16(OPE)	439	54	-1419	0	-0	0	0.656	0.081	-0.000
	17(OPE)	-272	631	-2078	0	-0	0	-0.065	0.151	-0.000
	18(OPE)	234	564	-2074	0	-0	0	0.068	0.164	-0.000
	19(OPE)	277	720	-2284	0	-0	0	0.033	0.085	-0.000
	20(OPE)	1444	720	-4770	0	-0	0	0.194	0.097	-0.000
	21(OPE)	-480	1644	-5563	0	-0	0	-0.038	0.131	-0.000
	22(OPE)	465	1417	-4924	0	-0	0	0.050	0.151	-0.000
	23(OPE)	106	1688	-5914	0	-0	0	0.004	0.070	-0.000
	MAX	1444/L20	1688/L23	-5914/L23				0.768/L7	0.429/L7	-0.000/L23
902		TYPE=Rigid X; Rigid Z; Rigid Y;								
	5(OPE)	-185	-399	-118	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-492	-951	2507	0	-0	0	-0.000	-0.000	0.000
	9(OPE)	1106	-339	-4	0	-0	0	0.000	-0.000	-0.000
	10(OPE)	-1469	-473	-212	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-200	400	-114	0	-0	0	-0.000	0.000	-0.000
	12(OPE)	-143	-1070	-110	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-185	-399	-118	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	-145	-22	-1170	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	1898	-223	757	0	-0	0	0.000	-0.000	0.000
	17(OPE)	-2176	-378	276	0	-0	0	-0.000	-0.000	0.000
	18(OPE)	-119	2074	599	0	-0	0	-0.000	0.000	0.000
	19(OPE)	-125	-2411	444	0	-0	0	-0.000	-0.000	0.000
	20(OPE)	1786	-393	-530	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-2198	-605	-834	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-224	1779	-648	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-138	-2599	-649	0	-0	0	-0.000	-0.000	-0.000
	MAX	-2198/L21	-2599/L23	2507/L7				-0.000/L21	-0.000/L23	0.000/L7
905		TYPE=Rigid +Z;								
	5(OPE)	-375	282	-1433	0	-0	0	-0.594	0.446	-0.000
	7(OPE)	-922	673	-3364	0	-0	0	-2.135	1.559	-0.000
	9(OPE)	-391	265	-1490	0	-0	0	-0.659	0.446	-0.000
	10(OPE)	-355	299	-1387	0	-0	0	-0.529	0.446	-0.000
	11(OPE)	-360	293	-1457	0	-0	0	-0.550	0.447	-0.000
	12(OPE)	-376	271	-1444	0	-0	0	-0.618	0.445	-0.000
	13(OPE)	-375	282	-1433	0	-0	0	-0.594	0.446	-0.000
	14(SUS)	127	1	-660	0	-0	0	0.001	0.000	-0.000
	16(OPE)	-320	198	-1256	0	-0	0	-0.721	0.447	-0.000
	17(OPE)	-236	211	-1010	0	-0	0	-0.500	0.446	-0.000
	18(OPE)	-275	234	-1223	0	-0	0	-0.528	0.450	-0.000
	19(OPE)	-301	204	-1090	0	-0	0	-0.654	0.444	-0.000
	20(OPE)	-480	311	-1846	0	-0	0	-0.690	0.446	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	21(OPE)	-410	384	-1707	0	-0	0	-0.477	0.446	-0.000
	22(OPE)	-426	366	-1816	0	-0	0	-0.522	0.449	-0.000
	23(OPE)	-455	325	-1808	0	-0	0	-0.621	0.444	-0.000
	MAX	-922/L7	673/L7	-3364/L7				-2.135/L7	1.559/L7	-0.000/L7
925		TYPE=Rigid X; Rigid +Z;								
	5(OPE)	121	339	-1796	0	-0	0	0.000	0.002	-0.000
	7(OPE)	802	1147	-2789	0	-0	0	0.000	0.007	-0.000
	9(OPE)	374	308	-1822	0	-0	0	0.000	0.001	-0.000
	10(OPE)	-168	349	-1766	0	-0	0	-0.000	0.002	-0.000
	11(OPE)	-63	660	-1865	0	-0	0	-0.000	0.373	-0.000
	12(OPE)	-80	-404	-1801	0	-0	0	-0.000	-0.002	-0.000
	13(OPE)	122	339	-1796	0	-0	0	0.000	0.002	-0.000
	14(SUS)	-66	14	-1393	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	2128	278	-1122	0	-0	0	0.000	0.001	-0.000
	17(OPE)	-1816	363	-1073	0	-0	0	-0.000	0.001	-0.000
	18(OPE)	-241	486	-1266	0	-0	0	-0.000	0.838	-0.000
	19(OPE)	110	-372	-1072	0	-0	0	0.000	-0.261	-0.000
	20(OPE)	2002	289	-2516	0	-0	0	0.000	0.001	-0.000
	21(OPE)	-1956	373	-2467	0	-0	0	-0.000	0.001	-0.000
	22(OPE)	-236	949	-2580	0	-0	0	-0.000	0.455	-0.000
	23(OPE)	-243	-740	-2506	0	-0	0	-0.000	-0.004	-0.000
	MAX	2128/L16	1147/L7	-2789/L7				0.000/L16	0.838/L18	-0.000/L7
935		TYPE=Rigid Y; Rigid Z;								
	5(OPE)	230	-19	-747	0	-0	0	0.888	-0.000	-0.000
	7(OPE)	126	6	-405	0	-0	0	3.104	0.000	-0.000
	9(OPE)	246	-74	-748	0	-0	0	0.889	-0.000	-0.000
	10(OPE)	231	30	-743	0	-0	0	0.887	0.000	-0.000
	11(OPE)	388	646	-708	0	-0	0	0.887	0.000	-0.000
	12(OPE)	388	-540	-751	0	-0	0	0.887	-0.000	-0.000
	13(OPE)	230	-20	-747	0	-0	0	0.888	-0.000	-0.000
	14(SUS)	7	-12	-888	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	111	-70	-306	0	-0	0	0.894	-0.000	-0.000
	17(OPE)	109	56	-303	0	-0	0	0.884	0.000	-0.000
	18(OPE)	410	1113	-223	0	-0	0	0.886	0.000	-0.000
	19(OPE)	323	-833	-352	0	-0	0	0.888	-0.000	-0.000
	20(OPE)	384	-97	-1190	0	-0	0	0.892	-0.000	-0.000
	21(OPE)	364	30	-1188	0	-0	0	0.882	0.000	-0.000
	22(OPE)	611	960	-1146	0	-0	0	0.886	0.000	-0.000
	23(OPE)	610	-841	-1193	0	-0	0	0.886	-0.000	-0.000
	MAX	611/L22	1113/L18	-1193/L23				3.104/L7	0.000/L18	-0.000/L23
985		TYPE=Rigid +Z;								
	5(OPE)	-12	150	-545	0	-0	0	-0.074	0.956	-0.000
	7(OPE)	-51	195	-718	0	-0	0	-0.973	3.701	-0.000
	9(OPE)	19	164	-586	0	-0	0	0.107	0.928	-0.000
	10(OPE)	-37	132	-496	0	-0	0	-0.280	0.986	-0.000
	11(OPE)	-17	142	-531	0	-0	0	-0.136	1.154	-0.000
	12(OPE)	-2	156	-571	0	-0	0	-0.008	0.761	-0.000
	13(OPE)	-13	147	-534	0	-0	0	-0.082	0.958	-0.000
	14(SUS)	109	-13	-404	0	-0	0	0.035	-0.004	-0.000
	16(OPE)	130	119	-607	0	-0	0	0.892	0.819	-0.000
	17(OPE)	0	-0	0	0	-0	0	-1.712	1.335	0.113
	18(OPE)	0	-0	0	0	-0	0	-0.805	2.599	0.166
	19(OPE)	61	-257	-787	0	-0	0	0.107	-0.450	-0.000
	20(OPE)	234	179	-1037	0	-0	0	0.996	0.760	-0.000
	21(OPE)	-101	98	-429	0	-0	0	-1.204	1.167	-0.000
	22(OPE)	-21	125	-432	0	-0	0	-0.374	2.231	-0.000
	23(OPE)	180	-311	-1049	0	-0	0	0.052	-0.090	-0.000
	MAX	234/L20	-311/L23	-1049/L23				-1.712/L17	3.701/L7	0.166/L18
1035		TYPE=Rigid Z; Rigid Y; Rigid X;								
	5(OPE)	-46	119	-3093	0	-0	0	-0.000	0.000	-0.000
	7(OPE)	-37	413	-2344	0	-0	0	-0.000	0.000	-0.000
	9(OPE)	94	107	-3095	0	-0	0	0.000	0.000	-0.000
	10(OPE)	-192	132	-3098	0	-0	0	-0.000	0.000	-0.000
	11(OPE)	-49	292	-3099	0	-0	0	-0.000	0.000	-0.000
	12(OPE)	-38	-56	-3070	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	1989	124	-3092	0	-0	0	0.000	0.000	-0.000
	14(SUS)	-100	16	-3446	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	2097	41	-1298	0	-0	0	0.000	0.000	-0.000
	17(OPE)	-2179	198	-1509	0	-0	0	-0.000	0.000	-0.000
	18(OPE)	-265	2392	-1148	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	315	-2295	-1737	0	-0	0	0.000	-0.000	-0.000
	20(OPE)	2015	55	-4717	0	-0	0	0.000	0.000	-0.000
	21(OPE)	-2226	203	-4937	0	-0	0	-0.000	0.000	-0.000
	22(OPE)	-287	2304	-4715	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	99	-2099	-5033	0	-0	0	0.000	-0.000	-0.000
	MAX	-2226/L21	2392/L18	-5033/L23				-0.000/L21	0.000/L18	-0.000/L23
1200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-241	911	-3069	0	-0	0	-0.000	0.177	-0.000
	7(OPE)	-883	915	-2139	0	-0	0	-0.000	0.625	-0.000
	9(OPE)	-143	881	-3057	0	-0	0	-0.000	0.177	-0.000
	10(OPE)	-327	938	-3062	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-251	915	-3095	0	-0	0	-0.000	0.177	-0.000
	12(OPE)	-236	908	-3048	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-243	907	-3047	0	-0	0	-0.000	0.177	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	14(SUS)	2	1	-3420	0	-0	0	0.000	0.000	-0.000
	16(OPE)	2096	961	-1076	0	-0	0	0.000	0.176	-0.000
	17(OPE)	-2540	1225	-1559	0	-0	0	-0.000	0.176	-0.000
	18(OPE)	-193	532	-1506	0	-0	0	-0.000	0.186	-0.000
	19(OPE)	-412	435	-1077	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2120	1923	-4488	0	-0	0	0.000	0.173	-0.000
	21(OPE)	-2517	2169	-4999	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	-176	1557	-5009	0	-0	0	-0.000	0.182	-0.000
	23(OPE)	-267	1334	-4478	0	-0	0	-0.000	0.167	-0.000
	MAX	-2540/L17	2169/L21	-5009/L22				-0.000/L17	0.625/L7	-0.000/L22
1230		TYPE=Rigid ANC;Tag=/V-43001/N2								
	5(OPE)	-409	14	-1302	427	-226	-435	0.001	-0.007	0.771
	7(OPE)	-1395	-368	-2264	1528	-407	-1815	-0.003	-0.026	2.693
	9(OPE)	-162	49	-1294	376	-26	-414	0.005	-0.006	0.771
	10(OPE)	-660	-13	-1310	468	-430	-454	-0.003	-0.007	0.771
	11(OPE)	-439	348	-1311	102	-255	-437	0.000	-0.001	0.771
	12(OPE)	-379	-321	-1293	753	-196	-433	0.002	-0.012	0.771
	13(OPE)	-409	14	-1302	427	-226	-435	0.001	-0.007	0.771
	14(SUS)	30	45	-1049	245	-65	73	0.004	-0.000	-0.000
	16(OPE)	82	1	-831	331	117	-451	0.013	-0.005	0.771
	17(OPE)	-943	-14	-861	367	-491	-504	-0.012	-0.007	0.771
	18(OPE)	-522	940	-873	-549	-283	-461	-0.002	0.008	0.771
	19(OPE)	-213	-1240	-809	1634	80	-572	0.003	-0.026	0.771
	20(OPE)	97	107	-1744	398	1	-347	0.014	-0.005	0.771
	21(OPE)	-955	149	-1777	358	-643	-387	-0.009	-0.005	0.771
	22(OPE)	-456	923	-1782	-316	-329	-393	0.001	0.008	0.771
	23(OPE)	-225	-1077	-1724	1625	-72	-455	0.006	-0.025	0.771
	MAX	-1395/L7	-1240/L19	-2264/L7	1634/L19	-643/L21	-1815/L7	0.014/L20	-0.026/L19	2.693/L7
1275		TYPE=Rigid Z; Rigid X;								
	5(OPE)	605	-737	-1645	0	-0	0	0.000	-0.321	-0.000
	7(OPE)	1819	-724	-492	0	-0	0	0.000	-2.061	-0.000
	9(OPE)	1315	-947	-1656	0	-0	0	0.000	-0.208	-0.000
	10(OPE)	-95	-570	-1633	0	-0	0	-0.000	-0.413	-0.000
	11(OPE)	664	-752	-1635	0	-0	0	0.000	-0.210	-0.000
	12(OPE)	546	-720	-1655	0	-0	0	0.000	-0.434	-0.000
	13(OPE)	605	-737	-1645	0	-0	0	0.000	-0.321	-0.000
	14(SUS)	-31	-23	-1817	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	2324	-909	-609	0	-0	0	0.000	-0.210	-0.000
	17(OPE)	-1067	-528	-570	0	-0	0	-0.000	-0.453	-0.000
	18(OPE)	847	381	-544	0	-0	0	0.000	0.142	-0.000
	19(OPE)	37	-212	-642	0	-0	0	0.000	-1.617	-0.000
	20(OPE)	2362	-1312	-2719	0	-0	0	0.000	-0.004	-0.000
	21(OPE)	-954	-1247	-2677	0	-0	0	-0.000	-0.088	-0.000
	22(OPE)	729	664	-2656	0	-0	0	0.000	0.003	-0.000
	23(OPE)	150	-929	-2750	0	-0	0	0.000	-1.252	-0.000
	MAX	2362/L20	-1312/L20	-2750/L23				0.000/L20	-2.061/L7	-0.000/L23
1325		TYPE=Rigid +Z;								
	5(OPE)	0	-0	0	0	-0	0	0.173	0.451	0.255
	7(OPE)	0	-0	0	0	-0	0	0.567	0.636	1.605
	9(OPE)	0	-0	0	0	-0	0	0.235	0.564	0.249
	10(OPE)	0	-0	0	0	-0	0	0.111	0.360	0.260
	11(OPE)	0	-0	0	0	-0	0	0.173	0.562	0.244
	12(OPE)	0	-0	0	0	-0	0	0.173	0.339	0.266
	13(OPE)	0	-0	0	0	-0	0	0.173	0.451	0.255
	14(SUS)	-2	-2	-958	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	0	-0	0	0	-0	0	0.347	0.560	0.379
	17(OPE)	0	-0	0	0	-0	0	-0.010	0.318	0.405
	18(OPE)	0	-0	0	0	-0	0	0.172	0.914	0.352
	19(OPE)	0	-0	0	0	-0	0	0.153	-0.841	0.458
	20(OPE)	0	-0	0	0	-0	0	0.359	0.768	0.098
	21(OPE)	0	-0	0	0	-0	0	0.004	0.684	0.120
	22(OPE)	0	-0	0	0	-0	0	0.180	0.779	0.083
	23(OPE)	0	-0	0	0	-0	0	0.168	-0.476	0.173
	MAX	-2/L14	-2/L14	-958/L14				0.567/L7	0.914/L18	1.605/L7
1360		TYPE=Rigid ANC;Tag=/Q-43004/N1								
	5(OPE)	-196	723	-1444	-64	874	421	-0.000	0.195	0.818
	7(OPE)	-424	1092	-1635	132	1479	645	-0.007	0.510	2.903
	9(OPE)	86	899	-1442	-62	869	423	0.023	0.208	0.816
	10(OPE)	-485	583	-1447	-65	879	439	-0.025	0.185	0.820
	11(OPE)	-225	964	-1451	-61	885	528	-0.003	0.213	0.815
	12(OPE)	-167	480	-1437	-67	862	313	0.003	0.178	0.822
	13(OPE)	-196	723	-1444	-64	874	421	-0.000	0.195	0.818
	14(SUS)	2	-21	-566	-79	34	-13	0.001	0.012	-0.004
	16(OPE)	667	908	-755	12	545	274	0.077	0.195	0.820
	17(OPE)	-1063	542	-764	13	577	575	-0.091	0.168	0.825
	18(OPE)	-325	1753	-778	28	594	853	-0.020	0.270	0.805
	19(OPE)	176	-1622	-744	-26	515	-774	0.031	-0.002	0.860
	20(OPE)	615	1205	-2124	-135	1174	443	0.085	0.244	0.807
	21(OPE)	-1165	1098	-2132	-130	1208	895	-0.088	0.236	0.808
	22(OPE)	-274	1487	-2148	-130	1217	694	-0.001	0.279	0.800
	23(OPE)	75	-1068	-2112	-169	1146	-455	0.034	0.065	0.843
	MAX	-1165/L21	1753/L18	-2148/L22	-169/L23	1479/L7	895/L21	-0.091/L17	0.510/L7	2.903/L7
1425		TYPE=Rigid X; Rigid Z;								
	5(OPE)	148	-18	-849	0	-0	0	0.000	-0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	7(OPE)	599	97	-1321	0	-0	0	0.000	0.000	-0.000
	9(OPE)	295	-23	-817	0	-0	0	0.000	-0.000	-0.000
	10(OPE)	-0	-11	-881	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	117	111	-847	0	-0	0	0.000	0.000	-0.000
	12(OPE)	149	-191	-859	0	-0	0	0.000	-0.001	-0.000
	13(OPE)	113	-20	-859	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-46	-15	-664	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	720	-6	-418	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-429	64	-627	0	-0	0	-0.000	0.000	-0.000
	18(OPE)	148	325	-898	0	-0	0	0.000	3.585	-0.000
	19(OPE)	97	-41	35	0	-0	0	0.000	-5.014	0.000
	20(OPE)	671	-51	-1080	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-433	-9	-1280	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	129	421	-1434	0	-0	0	0.000	2.590	-0.000
	23(OPE)	79	-306	-841	0	-0	0	0.000	-3.325	-0.000
	MAX	720/L16	421/L22	-1434/L22				0.000/L16	-5.014/L19	-0.000/L22
1435	TYPE=Rigid Y; Rigid Z;									
	5(OPE)	-60	-487	-228	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-223	-2034	-180	0	-0	0	-0.001	-0.000	-0.000
	9(OPE)	23	-475	-236	0	-0	0	0.000	-0.000	-0.000
	10(OPE)	-141	-515	-217	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-87	16	-245	0	-0	0	-0.188	0.000	-0.000
	12(OPE)	-47	-682	-221	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-51	-485	-226	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	17	-11	-225	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	108	-553	-127	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-222	-580	-75	0	-0	0	-0.002	-0.000	-0.000
	18(OPE)	59	368	-159	0	-0	0	0.000	0.000	-0.000
	19(OPE)	-291	-1094	-82	0	-0	0	-0.002	-0.000	-0.000
	20(OPE)	117	-435	-371	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-226	-435	-325	0	-0	0	-0.001	-0.000	-0.000
	22(OPE)	29	173	-365	0	-0	0	0.000	0.000	-0.000
	23(OPE)	-207	-869	-329	0	-0	0	-0.001	-0.000	-0.000
	MAX	-291/L19	-2034/L7	-371/L20				-0.188/L11	-0.000/L7	-0.000/L20
1455	TYPE=Rigid X; Rigid Z;									
	5(OPE)	-22	215	610	0	-0	0	-0.000	0.150	0.000
	7(OPE)	-113	1054	3054	0	-0	0	-0.000	0.320	0.000
	9(OPE)	111	206	621	0	-0	0	0.000	0.161	0.000
	10(OPE)	-157	240	594	0	-0	0	-0.000	0.130	0.000
	11(OPE)	22	219	-644	0	-0	0	0.000	0.352	-0.000
	12(OPE)	-29	225	658	0	-0	0	-0.000	0.134	0.000
	13(OPE)	-22	215	608	0	-0	0	-0.000	0.150	0.000
	14(SUS)	-0	12	-419	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	114	271	839	0	-0	0	0.000	0.127	0.000
	17(OPE)	-175	305	741	0	-0	0	-0.000	0.075	0.000
	18(OPE)	-31	95	-426	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	66	337	967	0	-0	0	0.000	0.645	0.000
	20(OPE)	126	165	462	0	-0	0	0.000	0.200	0.000
	21(OPE)	-159	174	376	0	-0	0	-0.000	0.164	0.000
	22(OPE)	-21	254	-902	0	-0	0	-0.000	0.046	-0.000
	23(OPE)	44	185	544	0	-0	0	0.000	0.529	0.000
	MAX	-175/L17	1054/L7	3054/L7				-0.000/L17	0.645/L19	0.000/L7
1500	TYPE=Rigid Z; Rigid X;									
	5(OPE)	-17	190	-1073	0	-0	0	-0.000	0.001	-0.000
	7(OPE)	-73	651	-3505	0	-0	0	-0.000	0.004	-0.000
	9(OPE)	94	184	-1081	0	-0	0	0.000	0.001	-0.000
	10(OPE)	-129	195	-1061	0	-0	0	-0.000	0.001	-0.000
	11(OPE)	-25	77	201	0	-0	0	-0.000	4.704	0.000
	12(OPE)	-12	14	-1129	0	-0	0	-0.000	0.000	-0.000
	13(OPE)	-17	189	-1071	0	-0	0	-0.000	0.001	-0.000
	14(SUS)	7	-1	-67	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	100	178	-1055	0	-0	0	0.000	0.001	-0.000
	17(OPE)	-139	196	-987	0	-0	0	-0.000	0.001	-0.000
	18(OPE)	-24	93	256	0	-0	0	-0.000	4.455	0.000
	19(OPE)	-29	24	-1229	0	-0	0	-0.000	0.000	-0.000
	20(OPE)	106	181	-1148	0	-0	0	0.000	0.001	-0.000
	21(OPE)	-134	201	-1087	0	-0	0	-0.000	0.001	-0.000
	22(OPE)	-19	84	227	0	-0	0	-0.000	4.630	0.000
	23(OPE)	-19	16	-1269	0	-0	0	-0.000	0.000	-0.000
	MAX	-139/L17	651/L7	-3505/L7				-0.000/L17	4.704/L11	-0.000/L7
1520	TYPE=Rigid Z; Rigid X; Rigid Y;									
	5(OPE)	14	3	-52	0	-0	0	0.000	0.000	-0.000
	7(OPE)	74	12	-70	0	-0	0	0.000	0.000	-0.000
	9(OPE)	45	9	-55	0	-0	0	0.000	0.000	-0.000
	10(OPE)	-17	-2	-49	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	19	47	-53	0	-0	0	0.000	0.000	-0.000
	12(OPE)	11	-29	-52	0	-0	0	0.000	-0.000	-0.000
	13(OPE)	14	3	-52	0	-0	0	0.000	0.000	-0.000
	14(SUS)	-11	0	-45	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	110	13	-32	0	-0	0	0.000	0.000	-0.000
	17(OPE)	-72	-6	-27	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	26	50	-31	0	-0	0	0.000	0.000	-0.000
	19(OPE)	18	-33	-29	0	-0	0	0.000	-0.000	-0.000
	20(OPE)	100	13	-77	0	-0	0	0.000	0.000	-0.000
	21(OPE)	-82	-6	-72	0	-0	0	-0.000	-0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	22(OPE)	16	51	-76	0	-0	0	0.000	0.000	-0.000
	23(OPE)	7	-33	-74	0	-0	0	0.000	-0.000	-0.000
	MAX	110/L16	51/L22	-77/L20				0.000/L16	0.000/L22	-0.000/L20
2020		TYPE=Rigid ANC;Tag=/V-25001E/4N								
	5(OPE)	694	44	-985	100	218	214	0.006	0.364	0.782
	7(OPE)	2425	196	-2470	342	772	742	0.021	1.270	2.731
	9(OPE)	745	35	-973	104	238	218	0.007	0.364	0.782
	10(OPE)	637	33	-967	104	197	211	0.005	0.364	0.782
	11(OPE)	706	137	-1010	59	223	213	0.006	0.365	0.782
	12(OPE)	679	-47	-961	139	212	214	0.006	0.363	0.782
	13(OPE)	694	39	-976	101	218	214	0.006	0.364	0.782
	14(SUS)	-3	-4	-369	-4	-2	-0	-0.000	0.000	-0.000
	16(OPE)	1245	65	-860	99	417	285	0.012	0.364	0.782
	17(OPE)	118	-37	-676	131	9	141	0.000	0.363	0.782
	18(OPE)	721	398	-841	-13	220	217	0.006	0.367	0.782
	19(OPE)	588	-398	-566	256	196	196	0.005	0.359	0.782
	20(OPE)	1245	51	-1221	101	418	287	0.012	0.364	0.782
	21(OPE)	93	-54	-1049	135	-4	137	-0.000	0.363	0.782
	22(OPE)	708	385	-1182	-6	222	214	0.006	0.367	0.782
	23(OPE)	659	-334	-1109	210	204	212	0.006	0.360	0.782
	MAX	2425/L7	398/L18	-2470/L7	342/L7	772/L7	742/L7	0.021/L7	1.270/L7	2.731/L7
2090		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	54	-124	495	0	-0	0	0.027	-0.063	0.000
	7(OPE)	240	-512	1907	0	-0	0	0.096	-0.205	0.000
	9(OPE)	59	-110	454	0	-0	0	0.037	-0.069	0.000
	10(OPE)	36	-113	437	0	-0	0	0.022	-0.068	0.000
	11(OPE)	78	-136	566	0	-0	0	0.022	-0.039	0.000
	12(OPE)	41	-114	424	0	-0	0	0.031	-0.086	0.000
	13(OPE)	50	-113	461	0	-0	0	0.029	-0.066	0.000
	14(SUS)	-16	4	-122	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	172	-103	693	0	-0	0	0.156	-0.093	0.000
	17(OPE)	-50	-33	198	0	-0	0	-0.097	-0.064	0.000
	18(OPE)	133	-91	597	0	-0	0	0.016	-0.011	0.000
	19(OPE)	3	-10	-38	0	-0	0	0.042	-0.159	-0.000
	20(OPE)	135	-84	549	0	-0	0	0.160	-0.100	0.000
	21(OPE)	-22	-14	93	0	-0	0	-0.105	-0.069	0.000
	22(OPE)	95	-97	435	0	-0	0	0.021	-0.021	0.000
	23(OPE)	19	-66	250	0	-0	0	0.033	-0.116	0.000
	MAX	240/L7	-512/L7	1907/L7				0.160/L20	-0.205/L7	0.000/L7
2160		TYPE=Rigid X; Rigid Y; Rigid Z;								
	5(OPE)	-1388	-1721	-2760	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-4861	-1175	-4644	0	-0	0	-0.000	-0.000	-0.000
	9(OPE)	-1297	-1769	-2811	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-1450	-1865	-2799	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-1446	-1528	-2704	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-1343	-2002	-2817	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-1381	-1728	-2798	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	3	-19	-1980	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	215	-2005	-1701	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-3044	-2377	-2040	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-1491	5878	-1649	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	-1224	-7476	-2107	0	-0	0	-0.000	-0.000	-0.000
	20(OPE)	200	-4077	-3699	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-3070	-4253	-3987	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-1501	3636	-3497	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-1413	-9225	-4221	0	-0	0	-0.000	-0.000	-0.000
	MAX	-4861/L7	-9225/L23	-4644/L7				-0.000/L7	-0.000/L23	-0.000/L7
2345		TYPE=Rigid Z; Rigid X;								
	5(OPE)	834	-100	81	0	-0	0	0.000	-0.000	0.000
	7(OPE)	2913	6	104	0	-0	0	0.000	0.000	0.000
	9(OPE)	846	-121	84	0	-0	0	0.000	-0.001	0.000
	10(OPE)	821	-106	79	0	-0	0	0.000	-0.000	0.000
	11(OPE)	838	-90	82	0	-0	0	0.000	-0.000	0.000
	12(OPE)	829	-139	80	0	-0	0	0.000	-0.001	0.000
	13(OPE)	833	-100	81	0	-0	0	0.000	-0.000	0.000
	14(SUS)	-0	-0	77	0	-0	0	-0.000	-0.000	0.000
	16(OPE)	719	-213	35	0	-0	0	0.000	-0.081	0.000
	17(OPE)	1031	227	52	0	-0	0	0.000	0.001	0.000
	18(OPE)	797	234	53	0	-0	0	0.000	0.050	0.000
	19(OPE)	876	-276	55	0	-0	0	0.000	-0.059	0.000
	20(OPE)	747	-253	112	0	-0	0	0.000	-0.114	0.000
	21(OPE)	1032	128	128	0	-0	0	0.000	0.001	0.000
	22(OPE)	845	206	137	0	-0	0	0.000	0.001	0.000
	23(OPE)	926	-317	103	0	-0	0	0.000	-0.108	0.000
	MAX	2913/L7	-317/L23	137/L22				0.000/L7	-0.114/L20	0.000/L22
2350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	477	272	-521	0	-0	0	0.000	0.176	-0.000
	7(OPE)	1661	609	-443	0	-0	0	0.000	0.620	-0.000
	9(OPE)	516	291	-536	0	-0	0	0.000	0.176	-0.000
	10(OPE)	436	282	-516	0	-0	0	0.000	0.176	-0.000
	11(OPE)	480	289	-500	0	-0	0	0.000	0.176	-0.000
	12(OPE)	478	284	-532	0	-0	0	0.000	0.176	-0.000
	13(OPE)	478	272	-521	0	-0	0	0.000	0.176	-0.000
	14(SUS)	0	-0	-541	0	-0	0	0.000	-0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	16(OPE)	886	471	-642	0	-0	0	0.000	0.094	-0.000
	17(OPE)	-25	39	109	0	-0	0	-0.000	0.181	0.000
	18(OPE)	471	193	-219	0	-0	0	0.000	0.230	-0.000
	19(OPE)	472	219	-259	0	-0	0	0.000	0.116	-0.000
	20(OPE)	860	578	-1177	0	-0	0	0.000	0.060	-0.000
	21(OPE)	-21	132	-429	0	-0	0	-0.000	0.179	-0.000
	22(OPE)	415	328	-767	0	-0	0	0.000	0.180	-0.000
	23(OPE)	438	360	-808	0	-0	0	0.000	0.067	-0.000
	MAX	1661/L7	609/L7	-1177/L20				0.000/L7	0.620/L7	-0.000/L20
2445		TYPE=Rigid X; Rigid +Z;								
	5(OPE)	-418	-68	-1918	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-1145	-210	-614	0	-0	0	-0.000	-0.397	-0.000
	9(OPE)	-403	-31	-1799	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-398	-29	-1802	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-439	-83	-2051	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-399	-66	-1780	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	466	-70	-1878	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-122	30	-2415	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	542	-41	-728	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-1191	-54	-157	0	-0	0	-0.000	-0.023	-0.000
	18(OPE)	-336	139	-424	0	-0	0	-0.000	0.262	-0.000
	19(OPE)	-215	-0	0	0	-0	0	-0.000	-0.935	0.023
	20(OPE)	435	29	-3093	0	-0	0	0.000	0.000	-0.000
	21(OPE)	-1333	-8	-2650	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-465	386	-3014	0	-0	0	-0.000	0.002	-0.000
	23(OPE)	-435	-579	-2682	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1333/L21	-579/L23	-3093/L20				-0.000/L21	-0.935/L19	0.023/L19
2500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	37	-250	-87	0	-0	0	0.000	-0.000	-0.339
	7(OPE)	-236	-744	-260	0	-0	0	-0.000	-0.000	-0.710
	9(OPE)	167	-319	-156	0	-0	0	0.000	-0.000	-0.306
	10(OPE)	-131	-321	-144	0	-0	0	-0.000	-0.000	-0.315
	11(OPE)	54	-23	-21	0	-0	0	0.000	-0.000	-0.370
	12(OPE)	17	-454	-156	0	-0	0	0.000	-0.000	-0.307
	13(OPE)	33	-248	-85	0	-0	0	0.000	-0.000	-0.329
	14(SUS)	143	-32	-52	0	-0	0	0.000	-0.000	-0.178
	16(OPE)	374	-282	-182	0	-0	0	0.000	-0.000	-0.226
	17(OPE)	-509	-301	-247	0	-0	0	-0.000	-0.000	-0.147
	18(OPE)	-69	877	-259	0	-0	0	-0.000	0.000	-0.190
	19(OPE)	-148	-1496	-532	0	-0	0	-0.000	-0.000	-0.003
	20(OPE)	502	-389	-257	0	-0	0	0.000	-0.000	-0.391
	21(OPE)	-360	-376	-240	0	-0	0	-0.000	-0.000	-0.346
	22(OPE)	85	607	-217	0	-0	0	0.000	0.000	-0.396
	23(OPE)	70	-983	-345	0	-0	0	0.000	-0.000	-0.333
	MAX	-509/L17	-1496/L19	-532/L19				-0.000/L17	-0.000/L19	-0.710/L7
2530		TYPE=Rigid X; Rigid Z;								
	5(OPE)	27	139	-402	0	-0	0	0.000	0.136	-0.000
	7(OPE)	103	296	-799	0	-0	0	0.000	0.901	-0.000
	9(OPE)	168	194	-399	0	-0	0	0.000	0.063	-0.000
	10(OPE)	-111	174	-396	0	-0	0	-0.000	0.062	-0.000
	11(OPE)	37	149	-411	0	-0	0	0.000	0.285	-0.000
	12(OPE)	23	144	-397	0	-0	0	0.000	0.008	-0.000
	13(OPE)	27	139	-400	0	-0	0	0.000	0.134	-0.000
	14(SUS)	-6	23	-236	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	163	124	-278	0	-0	0	0.000	0.089	-0.000
	17(OPE)	-117	107	-249	0	-0	0	-0.000	0.062	-0.000
	18(OPE)	57	98	-259	0	-0	0	0.000	0.365	-0.000
	19(OPE)	5	76	-230	0	-0	0	0.000	0.346	-0.000
	20(OPE)	168	238	-521	0	-0	0	0.000	0.013	-0.000
	21(OPE)	-116	196	-497	0	-0	0	-0.000	0.001	-0.000
	22(OPE)	41	170	-499	0	-0	0	0.000	0.393	-0.000
	23(OPE)	12	38	-510	0	-0	0	0.000	0.000	-0.000
	MAX	168/L9	296/L7	-799/L7				0.000/L9	0.901/L7	-0.000/L7
2590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-36	910	-2896	0	-0	0	-0.000	0.569	-0.000
	7(OPE)	-122	754	-2307	0	-0	0	-0.000	2.000	-0.000
	9(OPE)	121	924	-2924	0	-0	0	0.000	0.568	-0.000
	10(OPE)	-193	961	-2968	0	-0	0	-0.000	0.568	-0.000
	11(OPE)	-48	913	-2772	0	-0	0	-0.000	0.569	-0.000
	12(OPE)	-32	906	-2979	0	-0	0	-0.000	0.568	-0.000
	13(OPE)	-36	910	-2898	0	-0	0	-0.000	0.569	-0.000
	14(SUS)	3	2	-3049	0	-0	0	0.000	0.000	-0.000
	16(OPE)	1932	1010	-1331	0	-0	0	0.000	0.568	-0.000
	17(OPE)	-1928	1052	-1580	0	-0	0	-0.000	0.567	-0.000
	18(OPE)	-106	417	-1239	0	-0	0	-0.000	0.586	-0.000
	19(OPE)	35	418	-1348	0	-0	0	0.000	0.558	-0.000
	20(OPE)	1950	1935	-4403	0	-0	0	0.000	0.562	-0.000
	21(OPE)	-1937	1974	-4622	0	-0	0	-0.000	0.561	-0.000
	22(OPE)	-46	1386	-4339	0	-0	0	-0.000	0.580	-0.000
	23(OPE)	40	1338	-4415	0	-0	0	0.000	0.551	-0.000
	MAX	1950/L20	1974/L21	-4622/L21				0.000/L20	2.000/L7	-0.000/L21
3200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-229	866	-2988	0	-0	0	-0.000	0.177	-0.000
	7(OPE)	-785	823	-2056	0	-0	0	-0.000	0.627	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	9(OPE)	-151	835	-2925	0	-0	0	-0.000	0.177	-0.000
	10(OPE)	-332	895	-2943	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-173	976	-3105	0	-0	0	-0.000	0.177	-0.000
	12(OPE)	-264	880	-2898	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-232	867	-2967	0	-0	0	-0.000	0.177	-0.000
	14(SUS)	0	1	-3416	0	-0	0	0.000	0.000	-0.000
	16(OPE)	2082	848	-927	0	-0	0	0.000	0.177	-0.000
	17(OPE)	-2565	1216	-1416	0	-0	0	-0.000	0.176	-0.000
	18(OPE)	-53	449	-1571	0	-0	0	-0.000	0.187	-0.000
	19(OPE)	-431	385	-928	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2100	1871	-4329	0	-0	0	0.000	0.173	-0.000
	21(OPE)	-2540	2135	-4851	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	-79	1486	-5004	0	-0	0	-0.000	0.183	-0.000
	23(OPE)	-300	1313	-4327	0	-0	0	-0.000	0.167	-0.000
	MAX	-2565/L17	2135/L21	-5004/L22				-0.000/L17	0.627/L7	-0.000/L22
4020		TYPE=Rigid ANC;Tag=/V-25001C/4N								
	5(OPE)	696	45	-977	99	220	214	0.006	0.364	0.782
	7(OPE)	2450	195	-2482	335	778	749	0.021	1.270	2.731
	9(OPE)	751	43	-977	101	241	218	0.007	0.364	0.782
	10(OPE)	640	43	-966	98	199	211	0.005	0.364	0.782
	11(OPE)	706	132	-994	62	224	214	0.006	0.365	0.782
	12(OPE)	684	-46	-961	139	215	215	0.006	0.363	0.782
	13(OPE)	696	40	-968	100	220	215	0.006	0.364	0.782
	14(SUS)	-3	-4	-369	-4	-2	-0	-0.000	0.000	-0.000
	16(OPE)	1250	69	-863	98	420	286	0.012	0.364	0.782
	17(OPE)	131	-28	-683	125	15	144	0.000	0.363	0.782
	18(OPE)	720	395	-829	-10	222	217	0.006	0.367	0.782
	19(OPE)	596	-395	-576	254	199	198	0.005	0.359	0.782
	20(OPE)	1249	58	-1227	98	420	287	0.012	0.364	0.782
	21(OPE)	106	-43	-1054	129	3	139	0.000	0.363	0.782
	22(OPE)	709	378	-1180	1	224	215	0.006	0.367	0.782
	23(OPE)	663	-328	-1107	207	207	213	0.006	0.360	0.782
	MAX	2450/L7	395/L18	-2482/L7	335/L7	778/L7	749/L7	0.021/L7	1.270/L7	2.731/L7
4090		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	57	-123	491	0	-0	0	0.029	-0.063	0.000
	7(OPE)	242	-483	1962	0	-0	0	0.101	-0.202	0.000
	9(OPE)	69	-118	490	0	-0	0	0.038	-0.065	0.000
	10(OPE)	43	-122	451	0	-0	0	0.022	-0.062	0.000
	11(OPE)	74	-126	538	0	-0	0	0.025	-0.043	0.000
	12(OPE)	44	-114	451	0	-0	0	0.033	-0.084	0.000
	13(OPE)	54	-114	456	0	-0	0	0.030	-0.065	0.000
	14(SUS)	-16	4	-122	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	177	-102	728	0	-0	0	0.157	-0.091	0.000
	17(OPE)	-55	-34	236	0	-0	0	-0.095	-0.058	0.000
	18(OPE)	128	-102	591	0	-0	0	0.019	-0.015	0.000
	19(OPE)	1	-4	14	0	-0	0	0.044	-0.157	0.000
	20(OPE)	145	-86	594	0	-0	0	0.160	-0.096	0.000
	21(OPE)	-30	-19	130	0	-0	0	-0.102	-0.063	0.000
	22(OPE)	83	-95	466	0	-0	0	0.025	-0.028	0.000
	23(OPE)	23	-75	272	0	-0	0	0.034	-0.113	0.000
	MAX	242/L7	-483/L7	1962/L7				0.160/L20	-0.202/L7	0.000/L7
4160		TYPE=Rigid X; Rigid Y; Rigid Z;								
	5(OPE)	-1381	-1857	-2838	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-4850	-1827	-5071	0	-0	0	-0.000	-0.000	-0.000
	9(OPE)	-1299	-1877	-2853	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-1459	-1830	-2865	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-1417	-1702	-2802	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-1344	-2047	-2872	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-1375	-1858	-2877	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	2	-20	-1979	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	237	-2136	-1750	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-3046	-2268	-2104	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-1421	5430	-1714	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	-1195	-7478	-2158	0	-0	0	-0.000	-0.000	-0.000
	20(OPE)	201	-4142	-3739	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-3068	-4162	-4039	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-1464	3283	-3521	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-1401	-9253	-4271	0	-0	0	-0.000	-0.000	-0.000
	MAX	-4850/L7	-9253/L23	-5071/L7				-0.000/L7	-0.000/L23	-0.000/L7
4345		TYPE=Rigid Z; Rigid X;								
	5(OPE)	833	-83	88	0	-0	0	0.000	-0.000	0.000
	7(OPE)	2917	113	115	0	-0	0	0.000	0.000	0.000
	9(OPE)	846	-103	91	0	-0	0	0.000	-0.000	0.000
	10(OPE)	820	-64	86	0	-0	0	0.000	-0.000	0.000
	11(OPE)	843	-42	89	0	-0	0	0.000	-0.000	0.000
	12(OPE)	826	-119	88	0	-0	0	0.000	-0.001	0.000
	13(OPE)	833	-83	88	0	-0	0	0.000	-0.000	0.000
	14(SUS)	-0	-0	77	0	-0	0	-0.000	-0.000	0.000
	16(OPE)	699	-206	42	0	-0	0	0.000	-0.063	0.000
	17(OPE)	1028	181	58	0	-0	0	0.000	0.001	0.000
	18(OPE)	785	227	59	0	-0	0	0.000	0.073	0.000
	19(OPE)	845	-295	61	0	-0	0	0.000	-0.033	0.000
	20(OPE)	738	-253	120	0	-0	0	0.000	-0.107	0.000
	21(OPE)	1029	180	134	0	-0	0	0.000	0.001	0.000
	22(OPE)	851	264	143	0	-0	0	0.000	0.001	0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	23(OPE)	910	-306	111	0	-0	0	0.000	-0.097	0.000
	MAX	2917/L7	-306/L23	143/L22				0.000/L7	-0.107/L20	0.000/L22
4350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	477	254	-354	0	-0	0	0.000	0.177	-0.000
	7(OPE)	1649	500	106	0	-0	0	0.000	0.621	0.000
	9(OPE)	520	271	-358	0	-0	0	0.000	0.176	-0.000
	10(OPE)	435	238	-349	0	-0	0	0.000	0.177	-0.000
	11(OPE)	464	244	-342	0	-0	0	0.000	0.177	-0.000
	12(OPE)	486	260	-351	0	-0	0	0.000	0.176	-0.000
	13(OPE)	478	255	-354	0	-0	0	0.000	0.177	-0.000
	14(SUS)	1	-0	-543	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	910	421	-452	0	-0	0	0.000	0.112	-0.000
	17(OPE)	-20	85	282	0	-0	0	-0.000	0.180	0.000
	18(OPE)	462	154	-60	0	-0	0	0.000	0.253	-0.000
	19(OPE)	511	176	-85	0	-0	0	0.000	0.142	-0.000
	20(OPE)	873	558	-991	0	-0	0	0.000	0.068	-0.000
	21(OPE)	-15	78	-257	0	-0	0	-0.000	0.180	-0.000
	22(OPE)	396	272	-612	0	-0	0	0.000	0.181	-0.000
	23(OPE)	461	320	-622	0	-0	0	0.000	0.078	-0.000
	MAX	1649/L7	558/L20	-991/L20				0.000/L7	0.621/L7	-0.000/L20
4445		TYPE=Rigid +Z; Rigid X;								
	5(OPE)	-395	-72	-1832	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-1056	-403	-164	0	-0	0	-0.000	-0.003	-0.000
	9(OPE)	-393	-61	-1809	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-382	-73	-1745	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-410	-34	-1928	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-382	-109	-1752	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	490	-74	-1787	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-122	30	-2415	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	556	-79	-724	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-1175	-133	-121	0	-0	0	-0.000	-0.001	-0.000
	18(OPE)	-318	241	-401	0	-0	0	-0.000	0.251	-0.000
	19(OPE)	-199	-64	2	0	-0	0	-0.000	-0.886	0.024
	20(OPE)	444	-25	-3111	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-1317	-76	-2630	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-455	468	-3079	0	-0	0	-0.000	0.002	-0.000
	23(OPE)	-416	-588	-2657	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1317/L21	-588/L23	-3111/L20				-0.000/L21	-0.886/L19	0.024/L19
4500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	-37	-275	-105	0	-0	0	-0.000	-0.000	-0.321
	7(OPE)	-498	-740	-380	0	-0	0	-0.000	-0.000	-0.627
	9(OPE)	112	-298	-120	0	-0	0	0.000	-0.000	-0.311
	10(OPE)	-202	-272	-153	0	-0	0	-0.000	-0.000	-0.304
	11(OPE)	-30	-137	-50	0	-0	0	-0.000	-0.000	-0.343
	12(OPE)	-49	-418	-145	0	-0	0	-0.000	-0.000	-0.303
	13(OPE)	-41	-273	-106	0	-0	0	-0.000	-0.000	-0.310
	14(SUS)	143	-32	-52	0	-0	0	0.000	-0.000	-0.178
	16(OPE)	307	-250	-155	0	-0	0	0.000	-0.000	-0.229
	17(OPE)	-569	-202	-247	0	-0	0	-0.000	-0.000	-0.142
	18(OPE)	-148	660	-219	0	-0	0	-0.000	0.000	-0.184
	19(OPE)	-208	-1440	-507	0	-0	0	-0.000	-0.000	-0.003
	20(OPE)	441	-324	-220	0	-0	0	0.000	-0.000	-0.398
	21(OPE)	-418	-284	-233	0	-0	0	-0.000	-0.000	-0.344
	22(OPE)	21	424	-131	0	-0	0	0.000	0.000	-0.411
	23(OPE)	-2	-1001	-326	0	-0	0	-0.000	-0.000	-0.329
	MAX	-569/L17	-1440/L19	-507/L19				-0.000/L17	-0.000/L19	-0.627/L7
4530		TYPE=Rigid X; Rigid Z;								
	5(OPE)	119	177	-460	0	-0	0	0.000	0.127	-0.000
	7(OPE)	413	393	-990	0	-0	0	0.000	0.574	-0.000
	9(OPE)	271	222	-466	0	-0	0	0.000	0.103	-0.000
	10(OPE)	-30	159	-452	0	-0	0	-0.000	0.126	-0.000
	11(OPE)	124	178	-463	0	-0	0	0.000	0.188	-0.000
	12(OPE)	122	182	-463	0	-0	0	0.000	0.063	-0.000
	13(OPE)	119	177	-458	0	-0	0	0.000	0.125	-0.000
	14(SUS)	-6	23	-236	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	267	173	-349	0	-0	0	0.000	0.140	-0.000
	17(OPE)	-26	89	-308	0	-0	0	-0.000	0.153	-0.000
	18(OPE)	141	125	-315	0	-0	0	0.000	0.193	-0.000
	19(OPE)	103	132	-297	0	-0	0	0.000	0.369	-0.000
	20(OPE)	267	248	-589	0	-0	0	0.000	0.096	-0.000
	21(OPE)	-26	170	-555	0	-0	0	-0.000	0.108	-0.000
	22(OPE)	126	226	-561	0	-0	0	0.000	0.242	-0.000
	23(OPE)	120	151	-584	0	-0	0	0.000	0.001	-0.000
	MAX	413/L7	393/L7	-990/L7				0.000/L7	0.574/L7	-0.000/L7
4590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	182	992	-3065	0	-0	0	0.000	0.568	-0.000
	7(OPE)	684	1197	-3204	0	-0	0	0.000	1.997	-0.000
	9(OPE)	354	1031	-3068	0	-0	0	0.000	0.568	-0.000
	10(OPE)	6	941	-3070	0	-0	0	0.000	0.568	-0.000
	11(OPE)	230	1002	-3098	0	-0	0	0.000	0.568	-0.000
	12(OPE)	171	987	-3068	0	-0	0	0.000	0.568	-0.000
	13(OPE)	182	992	-3067	0	-0	0	0.000	0.568	-0.000
	14(SUS)	-10	2	-3008	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	2152	1135	-1495	0	-0	0	0.000	0.567	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	17(OPE)	-1729	1027	-1636	0	-0	0	-0.000	0.567	-0.000
	18(OPE)	229	565	-1746	0	-0	0	0.000	0.584	-0.000
	19(OPE)	196	513	-1425	0	-0	0	0.000	0.558	-0.000
	20(OPE)	2166	2046	-4508	0	-0	0	0.000	0.562	-0.000
	21(OPE)	-1748	1945	-4644	0	-0	0	-0.000	0.562	-0.000
	22(OPE)	241	1474	-4700	0	-0	0	0.000	0.579	-0.000
	23(OPE)	221	1420	-4490	0	-0	0	0.000	0.551	-0.000
	MAX	2166/L20	2046/L20	-4700/L22				0.000/L20	1.997/L7	-0.000/L22
5200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-237	913	-3073	0	-0	0	-0.000	0.177	-0.000
	7(OPE)	-844	907	-2158	0	-0	0	-0.000	0.625	-0.000
	9(OPE)	-141	880	-3059	0	-0	0	-0.000	0.177	-0.000
	10(OPE)	-331	939	-3061	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-243	918	-3100	0	-0	0	-0.000	0.177	-0.000
	12(OPE)	-244	910	-3047	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-239	910	-3051	0	-0	0	-0.000	0.177	-0.000
	14(SUS)	2	1	-3420	0	-0	0	0.000	0.000	-0.000
	16(OPE)	2087	958	-1076	0	-0	0	0.000	0.176	-0.000
	17(OPE)	-2549	1227	-1564	0	-0	0	-0.000	0.176	-0.000
	18(OPE)	-190	532	-1515	0	-0	0	-0.000	0.186	-0.000
	19(OPE)	-411	438	-1081	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2111	1920	-4490	0	-0	0	0.000	0.173	-0.000
	21(OPE)	-2527	2172	-5007	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	-164	1550	-5012	0	-0	0	-0.000	0.183	-0.000
	23(OPE)	-275	1336	-4479	0	-0	0	-0.000	0.167	-0.000
	MAX	-2549/L17	2172/L21	-5012/L22				-0.000/L17	0.625/L7	-0.000/L22
6020		TYPE=Rigid ANC;Tag=/V-25001B/4N								
	5(OPE)	692	41	-980	101	217	214	0.006	0.364	0.782
	7(OPE)	2438	174	-2500	348	769	749	0.021	1.269	2.731
	9(OPE)	747	38	-977	102	238	217	0.007	0.364	0.782
	10(OPE)	633	32	-963	104	196	210	0.005	0.364	0.782
	11(OPE)	705	132	-1004	62	223	214	0.006	0.365	0.782
	12(OPE)	679	-51	-961	141	212	214	0.006	0.363	0.782
	13(OPE)	692	36	-971	102	218	214	0.006	0.364	0.782
	14(SUS)	-3	-4	-369	-4	-2	-0	-0.000	0.000	-0.000
	16(OPE)	1246	65	-862	99	417	286	0.012	0.364	0.782
	17(OPE)	118	-37	-679	130	9	142	0.000	0.363	0.782
	18(OPE)	714	394	-819	-7	223	215	0.006	0.367	0.782
	19(OPE)	594	-400	-587	255	195	198	0.005	0.359	0.782
	20(OPE)	1245	51	-1222	100	418	287	0.012	0.364	0.782
	21(OPE)	93	-54	-1049	135	-4	137	-0.000	0.363	0.782
	22(OPE)	708	380	-1182	-2	222	214	0.006	0.367	0.782
	23(OPE)	659	-333	-1109	208	204	212	0.006	0.360	0.782
	MAX	2438/L7	-400/L19	-2500/L7	348/L7	769/L7	749/L7	0.021/L7	1.269/L7	2.731/L7
6090		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	52	-124	475	0	-0	0	0.028	-0.065	0.000
	7(OPE)	214	-469	1936	0	-0	0	0.098	-0.215	0.000
	9(OPE)	62	-116	462	0	-0	0	0.036	-0.068	0.000
	10(OPE)	35	-113	419	0	-0	0	0.021	-0.069	0.000
	11(OPE)	70	-126	544	0	-0	0	0.024	-0.043	0.000
	12(OPE)	40	-112	425	0	-0	0	0.031	-0.087	0.000
	13(OPE)	48	-112	442	0	-0	0	0.029	-0.067	0.000
	14(SUS)	-16	4	-122	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	170	-102	696	0	-0	0	0.156	-0.093	0.000
	17(OPE)	-46	-30	203	0	-0	0	-0.098	-0.063	0.000
	18(OPE)	117	-101	559	0	-0	0	0.019	-0.017	0.000
	19(OPE)	0	-1	6	0	-0	0	0.041	-0.158	0.000
	20(OPE)	134	-84	551	0	-0	0	0.160	-0.100	0.000
	21(OPE)	-22	-14	94	0	-0	0	-0.105	-0.069	0.000
	22(OPE)	84	-95	438	0	-0	0	0.023	-0.026	0.000
	23(OPE)	20	-70	248	0	-0	0	0.033	-0.115	0.000
	MAX	214/L7	-469/L7	1936/L7				0.160/L20	-0.215/L7	0.000/L7
6160		TYPE=Rigid X; Rigid Y; Rigid Z;								
	5(OPE)	-1382	-1761	-2766	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-4839	-1500	-4790	0	-0	0	-0.000	-0.000	-0.000
	9(OPE)	-1298	-1747	-2795	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-1452	-1890	-2806	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-1431	-1467	-2712	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-1343	-1977	-2810	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-1375	-1765	-2803	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	2	-20	-1979	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	212	-2041	-1694	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-3051	-2321	-2042	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-1456	5793	-1560	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	-1237	-7486	-2135	0	-0	0	-0.000	-0.000	-0.000
	20(OPE)	196	-4027	-3692	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-3072	-4220	-3977	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-1484	3543	-3473	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-1420	-9160	-4215	0	-0	0	-0.000	-0.000	-0.000
	MAX	-4839/L7	-9160/L23	-4790/L7				-0.000/L7	-0.000/L23	-0.000/L7
6345		TYPE=Rigid Z; Rigid X;								
	5(OPE)	836	-128	80	0	-0	0	0.000	-0.001	0.000
	7(OPE)	2922	-18	88	0	-0	0	0.000	-0.000	0.000
	9(OPE)	848	-126	83	0	-0	0	0.000	-0.001	0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	10(OPE)	820	-109	79	0	-0	0	0.000	-0.001	0.000
	11(OPE)	840	-90	81	0	-0	0	0.000	-0.000	0.000
	12(OPE)	828	-146	80	0	-0	0	0.000	-0.001	0.000
	13(OPE)	835	-128	81	0	-0	0	0.000	-0.001	0.000
	14(SUS)	-0	-0	77	0	-0	0	-0.000	-0.000	0.000
	16(OPE)	720	-211	34	0	-0	0	0.000	-0.083	0.000
	17(OPE)	1030	230	51	0	-0	0	0.000	0.001	0.000
	18(OPE)	797	236	58	0	-0	0	0.000	0.051	0.000
	19(OPE)	879	-275	50	0	-0	0	0.000	-0.061	0.000
	20(OPE)	746	-253	112	0	-0	0	0.000	-0.115	0.000
	21(OPE)	1030	126	128	0	-0	0	0.000	0.001	0.000
	22(OPE)	848	200	136	0	-0	0	0.000	0.001	0.000
	23(OPE)	927	-316	103	0	-0	0	0.000	-0.110	0.000
	MAX	2922/L7	-316/L23	136/L22				0.000/L7	-0.115/L20	0.000/L22
6350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	472	302	-545	0	-0	0	0.000	0.176	-0.000
	7(OPE)	1636	638	-560	0	-0	0	0.000	0.620	-0.000
	9(OPE)	517	296	-553	0	-0	0	0.000	0.176	-0.000
	10(OPE)	434	285	-531	0	-0	0	0.000	0.176	-0.000
	11(OPE)	474	293	-527	0	-0	0	0.000	0.176	-0.000
	12(OPE)	482	290	-540	0	-0	0	0.000	0.176	-0.000
	13(OPE)	473	302	-545	0	-0	0	0.000	0.176	-0.000
	14(SUS)	1	-0	-543	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	887	472	-648	0	-0	0	0.000	0.093	-0.000
	17(OPE)	-22	35	101	0	-0	0	-0.000	0.181	0.000
	18(OPE)	463	192	-236	0	-0	0	0.000	0.230	-0.000
	19(OPE)	470	223	-282	0	-0	0	0.000	0.114	-0.000
	20(OPE)	863	579	-1185	0	-0	0	0.000	0.060	-0.000
	21(OPE)	-17	133	-436	0	-0	0	-0.000	0.179	-0.000
	22(OPE)	407	336	-796	0	-0	0	0.000	0.180	-0.000
	23(OPE)	440	363	-816	0	-0	0	0.000	0.064	-0.000
	MAX	1636/L7	638/L7	-1185/L20				0.000/L7	0.620/L7	-0.000/L20
6445		TYPE=Rigid +Z; Rigid X;								
	5(OPE)	-416	-42	-1888	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-1135	-288	-442	0	-0	0	-0.000	-0.001	-0.000
	9(OPE)	-410	-33	-1828	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-395	-15	-1766	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-435	-48	-2018	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-399	-73	-1783	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	468	-44	-1850	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-122	30	-2415	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	541	-45	-737	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-1193	-74	-152	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-340	288	-526	0	-0	0	-0.000	0.069	-0.000
	19(OPE)	-216	-65	2	0	-0	0	-0.000	-0.789	0.025
	20(OPE)	434	23	-3097	0	-0	0	0.000	0.000	-0.000
	21(OPE)	-1333	-8	-2655	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-469	435	-3061	0	-0	0	-0.000	0.002	-0.000
	23(OPE)	-435	-579	-2680	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1333/L21	-579/L23	-3097/L20				-0.000/L21	-0.789/L19	0.025/L19
6500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	38	-295	-103	0	-0	0	0.000	-0.000	-0.331
	7(OPE)	-228	-826	-324	0	-0	0	-0.000	-0.000	-0.681
	9(OPE)	184	-312	-141	0	-0	0	0.000	-0.000	-0.312
	10(OPE)	-139	-344	-164	0	-0	0	-0.000	-0.000	-0.306
	11(OPE)	55	-75	-39	0	-0	0	0.000	-0.000	-0.361
	12(OPE)	21	-448	-157	0	-0	0	0.000	-0.000	-0.307
	13(OPE)	35	-293	-101	0	-0	0	0.000	-0.000	-0.322
	14(SUS)	143	-32	-52	0	-0	0	0.000	-0.000	-0.178
	16(OPE)	378	-273	-179	0	-0	0	0.000	-0.000	-0.228
	17(OPE)	-505	-276	-251	0	-0	0	-0.000	-0.000	-0.147
	18(OPE)	-58	723	-209	0	-0	0	-0.000	0.000	-0.204
	19(OPE)	-141	-1461	-526	0	-0	0	-0.000	-0.000	-0.003
	20(OPE)	506	-376	-258	0	-0	0	0.000	-0.000	-0.391
	21(OPE)	-357	-375	-238	0	-0	0	-0.000	-0.000	-0.347
	22(OPE)	94	521	-185	0	-0	0	0.000	0.000	-0.405
	23(OPE)	73	-981	-348	0	-0	0	0.000	-0.000	-0.332
	MAX	506/L20	-1461/L19	-526/L19				0.000/L20	-0.000/L19	-0.681/L7
6530		TYPE=Rigid X; Rigid Z;								
	5(OPE)	14	123	-392	0	-0	0	0.000	0.090	-0.000
	7(OPE)	49	226	-756	0	-0	0	0.000	0.429	-0.000
	9(OPE)	164	161	-393	0	-0	0	0.000	0.070	-0.000
	10(OPE)	-124	172	-389	0	-0	0	-0.000	0.036	-0.000
	11(OPE)	23	132	-399	0	-0	0	0.000	0.227	-0.000
	12(OPE)	20	141	-395	0	-0	0	0.000	0.015	-0.000
	13(OPE)	14	123	-390	0	-0	0	0.000	0.089	-0.000
	14(SUS)	-6	23	-236	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	160	124	-277	0	-0	0	0.000	0.097	-0.000
	17(OPE)	-120	103	-247	0	-0	0	-0.000	0.063	-0.000
	18(OPE)	41	93	-253	0	-0	0	0.000	0.406	-0.000
	19(OPE)	-3	68	-225	0	-0	0	-0.000	0.237	-0.000
	20(OPE)	165	234	-519	0	-0	0	0.000	0.025	-0.000
	21(OPE)	-118	205	-496	0	-0	0	-0.000	0.002	-0.000
	22(OPE)	25	163	-491	0	-0	0	0.000	0.312	-0.000
	23(OPE)	10	48	-508	0	-0	0	0.000	0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	MAX	165/L20	234/L20	-756/L7				0.000/L20	0.429/L7	-0.000/L7
6590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-62	890	-2857	0	-0	0	-0.000	0.568	-0.000
	7(OPE)	-176	837	-2484	0	-0	0	-0.000	1.998	-0.000
	9(OPE)	99	899	-2846	0	-0	0	0.000	0.568	-0.000
	10(OPE)	-236	949	-2885	0	-0	0	-0.000	0.568	-0.000
	11(OPE)	-69	894	-2750	0	-0	0	-0.000	0.569	-0.000
	12(OPE)	-73	892	-2865	0	-0	0	-0.000	0.568	-0.000
	13(OPE)	-62	890	-2859	0	-0	0	-0.000	0.568	-0.000
	14(SUS)	-8	2	-3005	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	1906	989	-1271	0	-0	0	0.000	0.568	-0.000
	17(OPE)	-1970	1039	-1456	0	-0	0	-0.000	0.567	-0.000
	18(OPE)	-108	406	-1220	0	-0	0	-0.000	0.586	-0.000
	19(OPE)	1	386	-1318	0	-0	0	0.000	0.558	-0.000
	20(OPE)	1909	1895	-4285	0	-0	0	0.000	0.562	-0.000
	21(OPE)	-1988	1952	-4464	0	-0	0	-0.000	0.561	-0.000
	22(OPE)	-65	1363	-4327	0	-0	0	-0.000	0.580	-0.000
	23(OPE)	-7	1297	-4277	0	-0	0	-0.000	0.552	-0.000
	MAX	-1988/L21	1952/L21	-4464/L21				-0.000/L21	1.998/L7	-0.000/L21
7200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-245	873	-2947	0	-0	0	-0.000	0.177	-0.000
	7(OPE)	-876	763	-1737	0	-0	0	-0.000	0.626	-0.000
	9(OPE)	-148	841	-2926	0	-0	0	-0.000	0.177	-0.000
	10(OPE)	-337	911	-2927	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-200	863	-3052	0	-0	0	-0.000	0.177	-0.000
	12(OPE)	-252	880	-2916	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-249	870	-2927	0	-0	0	-0.000	0.177	-0.000
	14(SUS)	2	1	-3421	0	-0	0	0.000	0.000	-0.000
	16(OPE)	2094	922	-941	0	-0	0	0.000	0.177	-0.000
	17(OPE)	-2550	1193	-1432	0	-0	0	-0.000	0.176	-0.000
	18(OPE)	-96	466	-1575	0	-0	0	-0.000	0.187	-0.000
	19(OPE)	-426	397	-887	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2114	1880	-4349	0	-0	0	0.000	0.173	-0.000
	21(OPE)	-2526	2137	-4875	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	-113	1505	-4956	0	-0	0	-0.000	0.183	-0.000
	23(OPE)	-282	1301	-4347	0	-0	0	-0.000	0.167	-0.000
	MAX	-2550/L17	2137/L21	-4956/L22				-0.000/L17	0.626/L7	-0.000/L22
7490		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-82	-88	206	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-290	-210	457	0	-0	0	-0.000	-6.947	0.000
	9(OPE)	-93	-92	205	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-71	-77	205	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-84	-95	247	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-80	-69	166	0	-0	0	-0.000	-1.990	0.000
	13(OPE)	-82	-88	203	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	0	1	111	0	-0	0	0.000	0.000	0.000
	16(OPE)	-194	-114	168	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	32	-39	109	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-86	-129	356	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-69	-57	-116	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-194	-141	274	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	35	-73	214	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-84	-161	457	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-78	-36	48	0	-0	0	-0.000	-1.990	0.000
	MAX	-290/L7	-210/L7	457/L22				-0.000/L7	-6.947/L7	0.000/L22
7520		TYPE=Rigid ANC;								
	5(OPE)	778	133	-1550	-420	2684	-195	0.000	0.000	-0.000
	7(OPE)	2740	405	-3302	-942	9450	-687	0.000	0.000	-0.000
	9(OPE)	868	134	-1549	-420	2978	-221	0.000	0.000	-0.000
	10(OPE)	687	121	-1541	-413	2388	-169	0.000	0.000	-0.000
	11(OPE)	789	250	-1606	-502	2720	-198	0.000	0.000	-0.000
	12(OPE)	765	1	-1495	-332	2638	-191	0.000	0.000	-0.000
	13(OPE)	778	129	-1538	-415	2683	-195	0.000	0.000	-0.000
	14(SUS)	-4	-5	-847	-202	-13	1	-0.000	-0.000	-0.000
	16(OPE)	1700	183	-1214	-363	5703	-455	0.000	0.000	-0.000
	17(OPE)	-160	10	-973	-217	-391	70	-0.000	0.000	-0.000
	18(OPE)	807	781	-1370	-740	2774	-203	0.000	0.000	-0.000
	19(OPE)	665	-595	-644	214	2310	-164	0.000	-0.000	-0.000
	20(OPE)	1700	199	-2052	-570	5702	-454	0.000	0.000	-0.000
	21(OPE)	-188	29	-1816	-424	-493	77	-0.000	0.000	-0.000
	22(OPE)	792	796	-2188	-939	2731	-199	0.000	0.000	-0.000
	23(OPE)	741	-549	-1706	-77	2555	-184	0.000	-0.000	-0.000
	MAX	2740/L7	796/L22	-3302/L7	-942/L7	9450/L7	-687/L7	0.000/L7	0.000/L22	-0.000/L7
7540		TYPE=Rigid ANC;Tag=/V-25001D/4N								
	5(OPE)	696	45	-1344	83	478	214	0.000	0.365	0.701
	7(OPE)	2450	195	-2845	262	1685	749	0.001	1.274	2.446
	9(OPE)	775	43	-1343	85	522	218	0.000	0.365	0.701
	10(OPE)	617	44	-1335	81	434	211	0.000	0.365	0.701
	11(OPE)	705	154	-1360	11	485	214	0.000	0.365	0.701
	12(OPE)	685	-68	-1330	157	468	215	0.000	0.365	0.701
	13(OPE)	696	41	-1334	85	478	215	0.000	0.365	0.701
	14(SUS)	-3	-4	-736	-2	-3	-0	-0.000	0.000	-0.000
	16(OPE)	1506	69	-1046	73	929	286	0.000	0.365	0.701
	17(OPE)	-128	-29	-865	137	14	143	-0.000	0.365	0.701

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	18(OPE)	721	652	-1014	-204	489	217	0.000	0.365	0.701
	19(OPE)	596	-652	-760	448	420	198	0.000	0.365	0.701
	20(OPE)	1506	58	-1778	77	930	287	0.000	0.365	0.701
	21(OPE)	-153	-45	-1601	147	-7	139	-0.000	0.365	0.701
	22(OPE)	709	635	-1731	-186	486	214	0.000	0.365	0.701
	23(OPE)	663	-585	-1658	376	453	213	0.000	0.365	0.701
	MAX	2450/L7	652/L18	-2845/L7	448/L19	1685/L7	749/L7	0.001/L7	1.274/L7	2.446/L7
8020		TYPE=Rigid ANC;Tag=/V-25001A/4N								
	5(OPE)	692	23	-937	100	217	216	0.006	0.364	0.782
	7(OPE)	2441	177	-2511	341	766	750	0.021	1.270	2.731
	9(OPE)	750	20	-937	102	239	220	0.007	0.364	0.782
	10(OPE)	632	14	-927	104	195	212	0.005	0.363	0.782
	11(OPE)	704	110	-951	61	222	215	0.006	0.364	0.782
	12(OPE)	678	-67	-924	141	211	215	0.006	0.363	0.782
	13(OPE)	692	18	-928	101	217	216	0.006	0.364	0.782
	14(SUS)	-13	-14	-309	-10	-5	-2	-0.000	0.000	-0.000
	16(OPE)	1253	63	-855	96	419	288	0.012	0.364	0.782
	17(OPE)	115	-37	-678	127	6	141	0.000	0.363	0.782
	18(OPE)	720	389	-820	-10	222	217	0.006	0.367	0.782
	19(OPE)	617	-382	-622	245	201	203	0.005	0.359	0.782
	20(OPE)	1264	43	-1165	90	427	293	0.012	0.364	0.782
	21(OPE)	106	-41	-989	112	3	139	0.000	0.363	0.782
	22(OPE)	717	358	-1112	-7	227	219	0.006	0.367	0.782
	23(OPE)	647	-370	-1039	216	200	212	0.006	0.360	0.782
	MAX	2441/L7	389/L18	-2511/L7	341/L7	766/L7	750/L7	0.021/L7	1.270/L7	2.731/L7
8090		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	33	-75	285	0	-0	0	0.031	-0.070	0.000
	7(OPE)	204	-454	1873	0	-0	0	0.094	-0.209	0.000
	9(OPE)	37	-66	284	0	-0	0	0.041	-0.072	0.000
	10(OPE)	21	-65	257	0	-0	0	0.024	-0.073	0.000
	11(OPE)	44	-78	317	0	-0	0	0.028	-0.050	0.000
	12(OPE)	25	-68	256	0	-0	0	0.034	-0.091	0.000
	13(OPE)	30	-66	251	0	-0	0	0.032	-0.072	0.000
	14(SUS)	-5	24	-345	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	151	-88	641	0	-0	0	0.158	-0.092	0.000
	17(OPE)	-40	-24	166	0	-0	0	-0.101	-0.061	0.000
	18(OPE)	99	-86	503	0	-0	0	0.020	-0.017	0.000
	19(OPE)	6	-20	70	0	-0	0	0.043	-0.149	0.000
	20(OPE)	78	-45	301	0	-0	0	0.170	-0.099	0.000
	21(OPE)	-46	-26	-169	0	-0	0	-0.101	-0.056	-0.000
	22(OPE)	33	-32	136	0	-0	0	0.032	-0.031	0.000
	23(OPE)	2	-6	-19	0	-0	0	0.037	-0.131	-0.000
	MAX	204/L7	-454/L7	1873/L7				0.170/L20	-0.209/L7	0.000/L7
8160		TYPE=Rigid X; Rigid Y; Rigid Z;								
	5(OPE)	-1375	-1631	-2928	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-4908	-948	-4624	0	-0	0	-0.000	-0.000	-0.000
	9(OPE)	-1286	-1574	-2948	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-1450	-1735	-2937	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-1413	-1415	-2895	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-1340	-1834	-2948	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-1368	-1631	-2967	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	5	-26	-2241	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	182	-1752	-1701	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-3077	-2146	-2017	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-1493	5754	-1576	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	-1290	-7296	-2075	0	-0	0	-0.000	-0.000	-0.000
	20(OPE)	214	-3876	-3952	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-3077	-4072	-4244	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-1447	3598	-3773	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-1409	-9181	-4430	0	-0	0	-0.000	-0.000	-0.000
	MAX	-4908/L7	-9181/L23	-4624/L7				-0.000/L7	-0.000/L23	-0.000/L7
8345		TYPE=Rigid Z; Rigid X;								
	5(OPE)	827	-186	75	0	-0	0	0.000	-0.001	0.000
	7(OPE)	2899	-242	67	0	-0	0	0.000	-0.001	0.000
	9(OPE)	840	-211	78	0	-0	0	0.000	-0.001	0.000
	10(OPE)	812	-161	74	0	-0	0	0.000	-0.001	0.000
	11(OPE)	832	-142	75	0	-0	0	0.000	-0.001	0.000
	12(OPE)	821	-232	75	0	-0	0	0.000	-0.001	0.000
	13(OPE)	827	-186	76	0	-0	0	0.000	-0.001	0.000
	14(SUS)	1	0	78	0	-0	0	0.000	0.000	0.000
	16(OPE)	732	-214	29	0	-0	0	0.000	-0.103	0.000
	17(OPE)	1023	244	45	0	-0	0	0.000	0.001	0.000
	18(OPE)	818	230	46	0	-0	0	0.000	0.027	0.000
	19(OPE)	894	-279	42	0	-0	0	0.000	-0.084	0.000
	20(OPE)	749	-262	107	0	-0	0	0.000	-0.127	0.000
	21(OPE)	1023	98	123	0	-0	0	0.000	0.000	0.000
	22(OPE)	839	123	129	0	-0	0	0.000	0.000	0.000
	23(OPE)	927	-322	100	0	-0	0	0.000	-0.121	0.000
	MAX	2899/L7	-322/L23	129/L22				0.000/L7	-0.127/L20	0.000/L22
8350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	490	358	-702	0	-0	0	0.000	0.175	-0.000
	7(OPE)	1700	853	-1111	0	-0	0	0.000	0.617	-0.000
	9(OPE)	532	380	-711	0	-0	0	0.000	0.175	-0.000
	10(OPE)	451	335	-689	0	-0	0	0.000	0.175	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	11(OPE)	488	343	-722	0	-0	0	0.000	0.176	-0.000
	12(OPE)	497	375	-698	0	-0	0	0.000	0.175	-0.000
	13(OPE)	491	358	-702	0	-0	0	0.000	0.175	-0.000
	14(SUS)	-3	0	-541	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	883	519	-808	0	-0	0	0.000	0.073	-0.000
	17(OPE)	-3	16	-56	0	-0	0	-0.000	0.181	-0.000
	18(OPE)	448	250	-481	0	-0	0	0.000	0.207	-0.000
	19(OPE)	469	274	-411	0	-0	0	0.000	0.091	-0.000
	20(OPE)	866	613	-1344	0	-0	0	0.000	0.047	-0.000
	21(OPE)	-0	158	-593	0	-0	0	-0.000	0.179	-0.000
	22(OPE)	419	413	-1001	0	-0	0	0.000	0.179	-0.000
	23(OPE)	451	389	-960	0	-0	0	0.000	0.053	-0.000
	MAX	1700/L7	853/L7	-1344/L20				0.000/L7	0.617/L7	-0.000/L20
8445		TYPE=Rigid +Z; Rigid X;								
	5(OPE)	-379	-88	-1725	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-1200	-386	-703	0	-0	0	-0.000	-0.001	-0.000
	9(OPE)	-375	-87	-1678	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-368	-65	-1671	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-391	-65	-1807	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-370	-113	-1668	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	506	-90	-1683	0	-0	0	0.000	-0.000	-0.000
	14(SUS)	-62	12	-2163	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	530	-85	-719	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-1197	-107	-201	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-351	298	-514	0	-0	0	-0.000	0.142	-0.000
	19(OPE)	-284	-152	-180	0	-0	0	-0.000	-0.657	-0.000
	20(OPE)	490	-48	-2858	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-1262	-66	-2410	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-397	441	-2738	0	-0	0	-0.000	0.002	-0.000
	23(OPE)	-374	-593	-2477	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1262/L21	-593/L23	-2858/L20				-0.000/L21	-0.657/L19	-0.000/L20
8500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	59	-183	-80	0	-0	0	0.000	-0.000	-0.199
	7(OPE)	30	-547	-167	0	-0	0	0.000	-0.000	-0.670
	9(OPE)	210	-188	-118	0	-0	0	0.000	-0.000	-0.191
	10(OPE)	-107	-229	-107	0	-0	0	-0.000	-0.000	-0.196
	11(OPE)	79	-33	-33	0	-0	0	0.000	-0.000	-0.207
	12(OPE)	49	-326	-112	0	-0	0	0.000	-0.000	-0.194
	13(OPE)	56	-182	-79	0	-0	0	0.000	-0.000	-0.193
	14(SUS)	79	1	-25	0	-0	0	0.000	0.000	-0.014
	16(OPE)	437	-173	-176	0	-0	0	0.000	-0.000	-0.194
	17(OPE)	-436	-191	-203	0	-0	0	-0.000	-0.000	-0.153
	18(OPE)	33	650	-184	0	-0	0	0.000	0.000	-0.178
	19(OPE)	-51	-1345	-386	0	-0	0	-0.000	-0.000	-0.133
	20(OPE)	507	-223	-224	0	-0	0	0.000	-0.000	-0.203
	21(OPE)	-357	-247	-192	0	-0	0	-0.000	-0.000	-0.171
	22(OPE)	101	479	-175	0	-0	0	0.000	0.000	-0.194
	23(OPE)	58	-872	-286	0	-0	0	0.000	-0.000	-0.175
	MAX	507/L20	-1345/L19	-386/L19				0.000/L20	-0.000/L19	-0.670/L7
8530		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-65	109	-320	0	-0	0	-0.000	0.229	-0.000
	7(OPE)	-236	247	-626	0	-0	0	-0.000	0.877	-0.000
	9(OPE)	82	128	-321	0	-0	0	0.000	0.225	-0.000
	10(OPE)	-206	156	-322	0	-0	0	-0.000	0.195	-0.000
	11(OPE)	-78	112	-313	0	-0	0	-0.000	0.289	-0.000
	12(OPE)	-61	111	-325	0	-0	0	-0.000	0.172	-0.000
	13(OPE)	-65	109	-319	0	-0	0	-0.000	0.228	-0.000
	14(SUS)	-3	-0	-193	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	76	100	-227	0	-0	0	0.000	0.241	-0.000
	17(OPE)	-201	113	-211	0	-0	0	-0.000	0.211	-0.000
	18(OPE)	-94	76	-187	0	-0	0	-0.000	0.360	-0.000
	19(OPE)	-63	98	-234	0	-0	0	-0.000	0.331	-0.000
	20(OPE)	80	168	-426	0	-0	0	0.000	0.203	-0.000
	21(OPE)	-198	184	-411	0	-0	0	-0.000	0.172	-0.000
	22(OPE)	-86	146	-390	0	-0	0	-0.000	0.371	-0.000
	23(OPE)	-48	131	-435	0	-0	0	-0.000	0.054	-0.000
	MAX	-236/L7	247/L7	-626/L7				-0.000/L7	0.877/L7	-0.000/L7
8590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-294	923	-2797	0	-0	0	-0.000	0.569	-0.000
	7(OPE)	-1131	848	-1656	0	-0	0	-0.000	2.000	-0.000
	9(OPE)	-125	893	-2791	0	-0	0	-0.000	0.569	-0.000
	10(OPE)	-471	979	-2810	0	-0	0	-0.000	0.569	-0.000
	11(OPE)	-335	932	-2735	0	-0	0	-0.000	0.569	-0.000
	12(OPE)	-297	927	-2807	0	-0	0	-0.000	0.568	-0.000
	13(OPE)	-295	923	-2799	0	-0	0	-0.000	0.569	-0.000
	14(SUS)	50	-12	-3253	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	1665	851	-1093	0	-0	0	0.000	0.569	-0.000
	17(OPE)	-2231	1051	-1252	0	-0	0	-0.000	0.568	-0.000
	18(OPE)	-419	487	-1130	0	-0	0	-0.000	0.586	-0.000
	19(OPE)	-209	401	-1105	0	-0	0	-0.000	0.558	-0.000
	20(OPE)	1724	1851	-4355	0	-0	0	0.000	0.563	-0.000
	21(OPE)	-2191	2012	-4503	0	-0	0	-0.000	0.562	-0.000
	22(OPE)	-304	1443	-4433	0	-0	0	-0.000	0.580	-0.000
	23(OPE)	-209	1376	-4355	0	-0	0	-0.000	0.552	-0.000
	MAX	-2231/L17	2012/L21	-4503/L21				-0.000/L17	2.000/L7	-0.000/L21

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
9200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-196	820	-2785	0	-0	0	-0.000	0.177	-0.000
	7(OPE)	-632	687	-1634	0	-0	0	-0.000	0.627	-0.000
	9(OPE)	-106	783	-2766	0	-0	0	-0.000	0.177	-0.000
	10(OPE)	-283	847	-2785	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-168	815	-2811	0	-0	0	-0.000	0.177	-0.000
	12(OPE)	-206	815	-2765	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-199	815	-2764	0	-0	0	-0.000	0.177	-0.000
	14(SUS)	-10	-4	-3250	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	2158	854	-871	0	-0	0	0.000	0.177	-0.000
	17(OPE)	-2476	1156	-1391	0	-0	0	-0.000	0.176	-0.000
	18(OPE)	-52	383	-1361	0	-0	0	-0.000	0.187	-0.000
	19(OPE)	-333	359	-913	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2140	1858	-4115	0	-0	0	0.000	0.173	-0.000
	21(OPE)	-2476	2079	-4649	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	-101	1412	-4629	0	-0	0	-0.000	0.183	-0.000
	23(OPE)	-226	1238	-4131	0	-0	0	-0.000	0.167	-0.000
	MAX	-2476/L21	2079/L21	-4649/L21				-0.000/L21	0.627/L7	-0.000/L21
9490		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-82	-88	207	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-287	-214	455	0	-0	0	-0.000	-6.947	0.000
	9(OPE)	-93	-91	202	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-70	-73	201	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-84	-96	252	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-80	-69	163	0	-0	0	-0.000	-1.990	0.000
	13(OPE)	-82	-79	205	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	0	1	111	0	-0	0	0.000	0.000	0.000
	16(OPE)	-193	-112	166	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	33	-39	105	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-86	-130	359	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-68	-59	-119	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-193	-140	271	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	36	-75	211	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-84	-165	460	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-77	-35	46	0	-0	0	-0.000	-1.990	0.000
	MAX	-287/L7	-214/L7	460/L22				-0.000/L7	-6.947/L7	0.000/L22
9520		TYPE=Rigid ANC;								
	5(OPE)	776	132	-1560	-422	2675	-194	0.000	0.000	-0.000
	7(OPE)	2712	410	-3292	-941	9355	-680	0.000	0.000	-0.000
	9(OPE)	864	126	-1542	-413	2962	-220	0.000	0.000	-0.000
	10(OPE)	681	106	-1536	-403	2365	-167	0.000	0.000	-0.000
	11(OPE)	790	259	-1629	-513	2723	-199	0.000	0.000	-0.000
	12(OPE)	759	-4	-1491	-328	2616	-189	0.000	-0.000	-0.000
	13(OPE)	776	118	-1548	-412	2675	-194	0.000	0.000	-0.000
	14(SUS)	-4	-5	-848	-202	-13	1	-0.000	-0.000	-0.000
	16(OPE)	1695	177	-1210	-359	5685	-453	0.000	0.000	-0.000
	17(OPE)	-172	2	-965	-209	-434	73	-0.000	0.000	-0.000
	18(OPE)	807	785	-1384	-746	2773	-203	0.000	0.000	-0.000
	19(OPE)	656	-596	-631	219	2276	-162	0.000	-0.000	-0.000
	20(OPE)	1695	191	-2043	-563	5685	-453	0.000	0.000	-0.000
	21(OPE)	-201	21	-1810	-417	-538	81	-0.000	0.000	-0.000
	22(OPE)	792	808	-2193	-947	2726	-199	0.000	0.000	-0.000
	23(OPE)	736	-556	-1705	-73	2536	-183	0.000	-0.000	-0.000
	MAX	2712/L7	808/L22	-3292/L7	-947/L22	9355/L7	-680/L7	0.000/L7	0.000/L22	-0.000/L7
9540		TYPE=Rigid ANC;Tag=/V-25001E/4N								
	5(OPE)	694	44	-1352	84	475	214	0.000	0.365	0.701
	7(OPE)	2425	196	-2837	269	1669	742	0.001	1.274	2.446
	9(OPE)	771	35	-1340	91	518	218	0.000	0.365	0.701
	10(OPE)	611	33	-1334	91	429	211	0.000	0.365	0.701
	11(OPE)	706	163	-1377	4	484	213	0.000	0.365	0.701
	12(OPE)	679	-73	-1328	161	463	214	0.000	0.365	0.701
	13(OPE)	694	39	-1343	87	475	214	0.000	0.365	0.701
	14(SUS)	-3	-4	-736	-2	-3	-0	-0.000	0.000	-0.000
	16(OPE)	1502	65	-1044	75	925	285	0.000	0.365	0.701
	17(OPE)	-139	-37	-860	144	6	141	-0.000	0.365	0.701
	18(OPE)	721	655	-1025	-208	487	217	0.000	0.365	0.701
	19(OPE)	588	-655	-750	450	413	196	0.000	0.365	0.701
	20(OPE)	1502	51	-1772	82	926	287	0.000	0.365	0.701
	21(OPE)	-164	-54	-1599	155	-17	137	-0.000	0.365	0.701
	22(OPE)	708	642	-1733	-196	483	214	0.000	0.365	0.701
	23(OPE)	659	-591	-1659	381	448	212	0.000	0.365	0.701
	MAX	2425/L7	655/L18	-2837/L7	450/L19	1669/L7	742/L7	0.001/L7	1.274/L7	2.446/L7
10020		TYPE=Rigid ANC;Tag=/V-25001F/4N								
	5(OPE)	703	72	-1036	90	219	214	0.006	0.364	0.782
	7(OPE)	2470	272	-2640	304	772	749	0.021	1.270	2.731
	9(OPE)	754	68	-1032	92	238	217	0.007	0.364	0.782
	10(OPE)	651	72	-1032	90	200	211	0.006	0.364	0.782
	11(OPE)	710	147	-1039	56	222	213	0.006	0.365	0.782
	12(OPE)	694	-11	-1020	126	215	215	0.006	0.363	0.782
	13(OPE)	703	68	-1027	91	219	214	0.006	0.364	0.782
	14(SUS)	-5	-2	-391	-0	-3	-1	-0.000	0.000	-0.000
	16(OPE)	1249	82	-899	92	415	285	0.012	0.364	0.782
	17(OPE)	149	-12	-732	122	20	147	0.000	0.363	0.782
	18(OPE)	713	393	-822	-5	222	215	0.006	0.367	0.782

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	19(OPE)	620	-362	-629	240	206	202	0.005	0.360	0.782
	20(OPE)	1246	75	-1289	95	413	285	0.011	0.364	0.782
	21(OPE)	141	-16	-1134	126	16	146	0.000	0.363	0.782
	22(OPE)	709	391	-1219	-4	220	214	0.006	0.367	0.782
	23(OPE)	673	-299	-1162	196	208	213	0.006	0.361	0.782
	MAX	2470/L7	393/L18	-2640/L7	304/L7	772/L7	749/L7	0.021/L7	1.270/L7	2.731/L7
10090		TYPE=Rigid Z; Rigid Y w/gap;								
	5(OPE)	70	-157	640	0	-0	0	0.021	-0.049	0.000
	7(OPE)	278	-568	2308	0	-0	0	0.077	-0.157	0.000
	9(OPE)	84	-146	628	0	-0	0	0.029	-0.051	0.000
	10(OPE)	51	-167	633	0	-0	0	0.015	-0.049	0.000
	11(OPE)	82	-146	634	0	-0	0	0.019	-0.033	0.000
	12(OPE)	57	-155	601	0	-0	0	0.025	-0.066	0.000
	13(OPE)	67	-149	607	0	-0	0	0.022	-0.050	0.000
	14(SUS)	-10	-3	-38	0	-0	0	-0.002	-0.001	-0.000
	16(OPE)	195	-106	796	0	-0	0	0.150	-0.082	0.000
	17(OPE)	-83	-45	360	0	-0	0	-0.094	-0.051	0.000
	18(OPE)	106	-101	549	0	-0	0	0.019	-0.018	0.000
	19(OPE)	11	-38	129	0	-0	0	0.042	-0.139	0.000
	20(OPE)	177	-101	757	0	-0	0	0.150	-0.085	0.000
	21(OPE)	-90	-51	371	0	-0	0	-0.097	-0.055	0.000
	22(OPE)	96	-107	538	0	-0	0	0.018	-0.020	0.000
	23(OPE)	32	-113	411	0	-0	0	0.028	-0.097	0.000
	MAX	278/L7	-568/L7	2308/L7				0.150/L16	-0.157/L7	0.000/L7
10160		TYPE=Rigid X; Rigid Y; Rigid Z;								
	5(OPE)	-1452	-1404	-2559	0	-0	0	-0.000	-0.000	-0.000
	7(OPE)	-5084	9	-4263	0	-0	0	-0.000	0.000	-0.000
	9(OPE)	-1374	-1330	-2594	0	-0	0	-0.000	-0.000	-0.000
	10(OPE)	-1522	-1513	-2546	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-1484	-1210	-2559	0	-0	0	-0.000	-0.000	-0.000
	12(OPE)	-1417	-1602	-2605	0	-0	0	-0.000	-0.000	-0.000
	13(OPE)	-1447	-1405	-2596	0	-0	0	-0.000	-0.000	-0.000
	14(SUS)	-4	-23	-1884	0	-0	0	-0.000	-0.000	-0.000
	16(OPE)	128	-1622	-1566	0	-0	0	0.000	-0.000	-0.000
	17(OPE)	-3074	-1954	-1865	0	-0	0	-0.000	-0.000	-0.000
	18(OPE)	-1495	5814	-1443	0	-0	0	-0.000	0.000	-0.000
	19(OPE)	-1301	-7093	-1941	0	-0	0	-0.000	-0.000	-0.000
	20(OPE)	97	-3678	-3449	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-3078	-3905	-3679	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-1531	3733	-3296	0	-0	0	-0.000	0.000	-0.000
	23(OPE)	-1500	-8880	-4020	0	-0	0	-0.000	-0.000	-0.000
	MAX	-5084/L7	-8880/L23	-4263/L7				-0.000/L7	-0.000/L23	-0.000/L7
10345		TYPE=Rigid Z; Rigid X;								
	5(OPE)	825	-166	75	0	-0	0	0.000	-0.001	0.000
	7(OPE)	2881	-221	70	0	-0	0	0.000	-0.001	0.000
	9(OPE)	838	-189	77	0	-0	0	0.000	-0.001	0.000
	10(OPE)	810	-144	74	0	-0	0	0.000	-0.001	0.000
	11(OPE)	830	-127	75	0	-0	0	0.000	-0.001	0.000
	12(OPE)	819	-210	75	0	-0	0	0.000	-0.001	0.000
	13(OPE)	824	-166	75	0	-0	0	0.000	-0.001	0.000
	14(SUS)	1	0	76	0	-0	0	0.000	0.000	0.000
	16(OPE)	724	-224	30	0	-0	0	0.000	-0.097	0.000
	17(OPE)	1014	247	46	0	-0	0	0.000	0.001	0.000
	18(OPE)	811	226	53	0	-0	0	0.000	0.028	0.000
	19(OPE)	881	-274	48	0	-0	0	0.000	-0.078	0.000
	20(OPE)	751	-259	106	0	-0	0	0.000	-0.126	0.000
	21(OPE)	1013	91	123	0	-0	0	0.000	0.000	0.000
	22(OPE)	838	126	129	0	-0	0	0.000	0.001	0.000
	23(OPE)	927	-315	98	0	-0	0	0.000	-0.122	0.000
	MAX	2881/L7	-315/L23	129/L22				0.000/L7	-0.126/L20	0.000/L22
10350		TYPE=Rigid Z; Rigid X;								
	5(OPE)	508	333	-644	0	-0	0	0.000	0.175	-0.000
	7(OPE)	1768	818	-954	0	-0	0	0.000	0.617	-0.000
	9(OPE)	547	354	-642	0	-0	0	0.000	0.175	-0.000
	10(OPE)	471	313	-624	0	-0	0	0.000	0.176	-0.000
	11(OPE)	503	322	-673	0	-0	0	0.000	0.176	-0.000
	12(OPE)	514	349	-624	0	-0	0	0.000	0.175	-0.000
	13(OPE)	509	333	-644	0	-0	0	0.000	0.175	-0.000
	14(SUS)	-1	0	-538	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	906	511	-731	0	-0	0	0.000	0.078	-0.000
	17(OPE)	17	9	14	0	-0	0	0.000	0.181	0.000
	18(OPE)	463	249	-428	0	-0	0	0.000	0.207	-0.000
	19(OPE)	493	253	-351	0	-0	0	0.000	0.097	-0.000
	20(OPE)	880	604	-1267	0	-0	0	0.000	0.048	-0.000
	21(OPE)	21	161	-519	0	-0	0	0.000	0.179	-0.000
	22(OPE)	436	406	-952	0	-0	0	0.000	0.179	-0.000
	23(OPE)	465	380	-892	0	-0	0	0.000	0.053	-0.000
	MAX	1768/L7	818/L7	-1267/L20				0.000/L7	0.617/L7	-0.000/L20
10445		TYPE=Rigid +Z; Rigid X;								
	5(OPE)	-470	-181	-2121	0	-0	0	-0.000	-0.001	-0.000
	7(OPE)	-1269	-778	-1194	0	-0	0	-0.000	-0.005	-0.000
	9(OPE)	-455	-185	-2062	0	-0	0	-0.000	-0.001	-0.000
	10(OPE)	-474	-152	-2137	0	-0	0	-0.000	-0.000	-0.000
	11(OPE)	-472	-140	-2091	0	-0	0	-0.000	-0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	12(OPE)	-455	-230	-2037	0	-0	0	-0.000	-0.001	-0.000
	13(OPE)	413	-183	-2082	0	-0	0	0.000	-0.001	-0.000
	14(SUS)	-151	40	-2466	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	522	-198	-901	0	-0	0	0.000	-0.001	-0.000
	17(OPE)	-1242	-218	-446	0	-0	0	-0.000	-0.001	-0.000
	18(OPE)	-353	291	-573	0	-0	0	-0.000	0.006	-0.000
	19(OPE)	-302	-214	-369	0	-0	0	-0.000	-0.880	-0.000
	20(OPE)	375	-149	-3367	0	-0	0	0.000	-0.000	-0.000
	21(OPE)	-1410	-143	-3062	0	-0	0	-0.000	-0.000	-0.000
	22(OPE)	-511	344	-3112	0	-0	0	-0.000	0.001	-0.000
	23(OPE)	-484	-671	-2857	0	-0	0	-0.000	-0.003	-0.000
	MAX	-1410/L21	-778/L7	-3367/L20				-0.000/L21	-0.880/L19	-0.000/L20
10500		TYPE=Rigid GUI; Rigid GUI;								
	5(OPE)	138	-37	-49	0	-0	0	0.000	-0.000	-0.507
	7(OPE)	75	119	-59	0	-0	0	0.000	0.000	-0.976
	9(OPE)	255	-34	-85	0	-0	0	0.000	-0.000	-0.484
	10(OPE)	1	-91	-27	0	-0	0	0.000	-0.000	-0.516
	11(OPE)	148	107	-80	0	-0	0	0.000	0.000	-0.496
	12(OPE)	118	-167	-86	0	-0	0	0.000	-0.000	-0.481
	13(OPE)	136	-35	-48	0	-0	0	0.000	-0.000	-0.497
	14(SUS)	171	-63	-69	0	-0	0	0.000	-0.000	-0.310
	16(OPE)	431	10	-130	0	-0	0	0.000	0.000	-0.316
	17(OPE)	-400	-4	-137	0	-0	0	-0.000	-0.000	-0.249
	18(OPE)	18	811	-241	0	-0	0	0.000	0.000	-0.239
	19(OPE)	-34	-1144	-332	0	-0	0	-0.000	-0.000	-0.149
	20(OPE)	599	-69	-197	0	-0	0	0.000	-0.000	-0.625
	21(OPE)	-216	-131	-113	0	-0	0	-0.000	-0.000	-0.607
	22(OPE)	192	725	-264	0	-0	0	0.000	0.000	-0.573
	23(OPE)	161	-848	-323	0	-0	0	0.000	-0.000	-0.511
	MAX	599/L20	-1144/L19	-332/L19				0.000/L20	-0.000/L19	-0.976/L7
10525		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-32	146	-432	0	-0	0	-0.000	0.309	-0.000
	7(OPE)	-124	247	-747	0	-0	0	-0.000	1.178	-0.000
	9(OPE)	116	163	-433	0	-0	0	0.000	0.311	-0.000
	10(OPE)	-163	203	-443	0	-0	0	-0.000	0.250	-0.000
	11(OPE)	-47	125	-411	0	-0	0	-0.000	0.366	-0.000
	12(OPE)	-21	146	-439	0	-0	0	-0.000	0.259	-0.000
	13(OPE)	-32	145	-429	0	-0	0	-0.000	0.308	-0.000
	14(SUS)	-8	51	-291	0	-0	0	-0.000	0.000	-0.000
	16(OPE)	126	134	-289	0	-0	0	0.000	0.326	-0.000
	17(OPE)	-158	123	-260	0	-0	0	-0.000	0.274	-0.000
	18(OPE)	-47	76	-206	0	-0	0	-0.000	0.434	-0.000
	19(OPE)	-35	89	-241	0	-0	0	-0.000	0.581	-0.000
	20(OPE)	121	204	-584	0	-0	0	0.000	0.307	-0.000
	21(OPE)	-159	247	-574	0	-0	0	-0.000	0.213	-0.000
	22(OPE)	-47	155	-511	0	-0	0	-0.000	0.421	-0.000
	23(OPE)	-21	179	-576	0	-0	0	-0.000	0.156	-0.000
	MAX	-163/L10	247/L21	-747/L7				-0.000/L10	1.178/L7	-0.000/L7
10590		TYPE=Rigid X; Rigid Z;								
	5(OPE)	-322	921	-2622	0	-0	0	-0.000	0.570	-0.000
	7(OPE)	-1234	714	-1125	0	-0	0	-0.000	2.004	-0.000
	9(OPE)	-140	863	-2636	0	-0	0	-0.000	0.570	-0.000
	10(OPE)	-481	974	-2649	0	-0	0	-0.000	0.569	-0.000
	11(OPE)	-363	926	-2576	0	-0	0	-0.000	0.570	-0.000
	12(OPE)	-299	919	-2656	0	-0	0	-0.000	0.569	-0.000
	13(OPE)	-323	922	-2624	0	-0	0	-0.000	0.570	-0.000
	14(SUS)	23	-1	-3197	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	1684	816	-988	0	-0	0	0.000	0.570	-0.000
	17(OPE)	-2229	1029	-1146	0	-0	0	-0.000	0.568	-0.000
	18(OPE)	-427	467	-1042	0	-0	0	-0.000	0.586	-0.000
	19(OPE)	-233	384	-960	0	-0	0	-0.000	0.559	-0.000
	20(OPE)	1723	1829	-4182	0	-0	0	0.000	0.564	-0.000
	21(OPE)	-2213	2015	-4339	0	-0	0	-0.000	0.563	-0.000
	22(OPE)	-363	1415	-4257	0	-0	0	-0.000	0.580	-0.000
	23(OPE)	-222	1354	-4191	0	-0	0	-0.000	0.553	-0.000
	MAX	-2229/L17	2015/L21	-4339/L21				-0.000/L17	2.004/L7	-0.000/L21
11200		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-94	866	-3145	0	-0	0	-0.000	0.178	-0.000
	7(OPE)	-320	732	-2351	0	-0	0	-0.000	0.628	-0.000
	9(OPE)	-7	838	-3128	0	-0	0	-0.000	0.178	-0.000
	10(OPE)	-182	897	-3157	0	-0	0	-0.000	0.177	-0.000
	11(OPE)	-78	868	-3139	0	-0	0	-0.000	0.178	-0.000
	12(OPE)	-109	868	-3122	0	-0	0	-0.000	0.177	-0.000
	13(OPE)	-96	863	-3125	0	-0	0	-0.000	0.178	-0.000
	14(SUS)	0	-0	-3451	0	-0	0	0.000	-0.000	-0.000
	16(OPE)	2246	996	-1114	0	-0	0	0.000	0.177	-0.000
	17(OPE)	-2422	1202	-1630	0	-0	0	-0.000	0.177	-0.000
	18(OPE)	-5	485	-1551	0	-0	0	-0.000	0.187	-0.000
	19(OPE)	-268	384	-1136	0	-0	0	-0.000	0.171	-0.000
	20(OPE)	2261	1953	-4569	0	-0	0	0.000	0.174	-0.000
	21(OPE)	-2413	2124	-5118	0	-0	0	-0.000	0.173	-0.000
	22(OPE)	7	1527	-5026	0	-0	0	0.000	0.183	-0.000
	23(OPE)	-128	1287	-4530	0	-0	0	-0.000	0.168	-0.000
	MAX	-2422/L17	2124/L21	-5118/L21				-0.000/L17	0.628/L7	-0.000/L21

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
11490	TYPE=Rigid Z; Rigid X;									
	5(OPE)	-82	-88	206	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-290	-210	457	0	-0	0	-0.000	-6.947	0.000
	9(OPE)	-94	-92	205	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-70	-76	205	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-84	-96	248	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-80	-68	164	0	-0	0	-0.000	-1.990	0.000
	13(OPE)	-82	-88	203	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	0	1	111	0	-0	0	0.000	0.000	0.000
	16(OPE)	-194	-114	168	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	31	-39	110	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-85	-129	356	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-69	-56	-116	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-194	-141	274	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	35	-75	216	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-84	-161	457	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-78	-36	47	0	-0	0	-0.000	-1.990	0.000
	MAX	-290/L7	-210/L7	457/L22				-0.000/L7	-6.947/L7	0.000/L22
11520	TYPE=Rigid ANC;									
	5(OPE)	778	133	-1550	-420	2684	-195	0.000	0.000	-0.000
	7(OPE)	2740	405	-3306	-943	9450	-687	0.000	0.000	-0.000
	9(OPE)	873	135	-1549	-420	2992	-222	0.000	0.000	-0.000
	10(OPE)	683	119	-1538	-411	2373	-167	0.000	0.000	-0.000
	11(OPE)	789	255	-1609	-506	2721	-198	0.000	0.000	-0.000
	12(OPE)	764	-5	-1492	-327	2636	-191	0.000	-0.000	-0.000
	13(OPE)	778	129	-1538	-415	2684	-195	0.000	0.000	-0.000
	14(SUS)	-4	-5	-847	-202	-13	1	-0.000	-0.000	-0.000
	16(OPE)	1700	183	-1214	-363	5704	-455	0.000	0.000	-0.000
	17(OPE)	-158	12	-976	-218	-384	69	-0.000	0.000	-0.000
	18(OPE)	805	781	-1368	-740	2769	-202	0.000	0.000	-0.000
	19(OPE)	665	-595	-644	214	2309	-164	0.000	-0.000	-0.000
	20(OPE)	1700	199	-2052	-570	5703	-455	0.000	0.000	-0.000
	21(OPE)	-186	32	-1820	-427	-485	77	-0.000	0.000	-0.000
	22(OPE)	793	796	-2188	-939	2732	-199	0.000	0.000	-0.000
	23(OPE)	741	-549	-1705	-77	2555	-184	0.000	-0.000	-0.000
	MAX	2740/L7	796/L22	-3306/L7	-943/L7	9450/L7	-687/L7	0.000/L7	0.000/L22	-0.000/L7
11540	TYPE=Rigid ANC;Tag=/V-25001C/4N									
	5(OPE)	696	45	-1344	83	478	214	0.000	0.365	0.701
	7(OPE)	2450	195	-2849	263	1685	749	0.001	1.274	2.446
	9(OPE)	779	43	-1344	85	524	218	0.000	0.365	0.701
	10(OPE)	613	43	-1333	82	432	211	0.000	0.365	0.701
	11(OPE)	706	159	-1361	8	485	214	0.000	0.365	0.701
	12(OPE)	684	-73	-1328	161	468	215	0.000	0.365	0.701
	13(OPE)	696	40	-1335	85	478	215	0.000	0.365	0.701
	14(SUS)	-3	-4	-736	-2	-3	-0	-0.000	0.000	-0.000
	16(OPE)	1507	69	-1046	72	930	286	0.000	0.365	0.701
	17(OPE)	-126	-28	-866	136	16	144	-0.000	0.365	0.701
	18(OPE)	720	652	-1013	-204	489	217	0.000	0.365	0.701
	19(OPE)	596	-652	-760	448	420	198	0.000	0.365	0.701
	20(OPE)	1506	58	-1778	77	930	287	0.000	0.365	0.701
	21(OPE)	-151	-43	-1605	145	-6	139	-0.000	0.365	0.701
	22(OPE)	709	635	-1731	-186	486	215	0.000	0.365	0.701
	23(OPE)	663	-585	-1657	376	453	213	0.000	0.365	0.701
	MAX	2450/L7	652/L18	-2849/L7	448/L19	1685/L7	749/L7	0.001/L7	1.274/L7	2.446/L7
13490	TYPE=Rigid Z; Rigid X;									
	5(OPE)	-82	-88	205	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-288	-209	452	0	-0	0	-0.000	-6.947	0.000
	9(OPE)	-93	-92	204	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-69	-73	200	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-84	-97	250	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-80	-68	162	0	-0	0	-0.000	-1.990	0.000
	13(OPE)	-82	-79	203	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	0	1	111	0	-0	0	0.000	0.000	0.000
	16(OPE)	-193	-113	166	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	33	-39	106	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-85	-130	354	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-69	-57	-116	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-193	-140	271	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	36	-75	211	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-84	-162	458	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-77	-36	46	0	-0	0	-0.000	-1.990	0.000
	MAX	-288/L7	-209/L7	458/L22				-0.000/L7	-6.947/L7	0.000/L22
13520	TYPE=Rigid ANC;									
	5(OPE)	774	129	-1553	-418	2667	-194	0.000	0.000	-0.000
	7(OPE)	2726	383	-3318	-932	9399	-683	0.000	0.000	-0.000
	9(OPE)	868	130	-1547	-416	2975	-221	0.000	0.000	-0.000
	10(OPE)	675	105	-1530	-401	2346	-165	0.000	0.000	-0.000
	11(OPE)	789	256	-1621	-509	2719	-198	0.000	0.000	-0.000
	12(OPE)	759	-11	-1490	-324	2615	-189	0.000	-0.000	-0.000
	13(OPE)	773	114	-1541	-408	2666	-193	0.000	0.000	-0.000
	14(SUS)	-4	-5	-847	-202	-13	1	-0.000	-0.000	-0.000
	16(OPE)	1696	178	-1211	-360	5688	-454	0.000	0.000	-0.000
	17(OPE)	-172	1	-969	-210	-436	73	-0.000	0.000	-0.000
	18(OPE)	799	781	-1356	-736	2751	-201	0.000	0.000	-0.000
	19(OPE)	662	-600	-654	214	2295	-163	0.000	-0.000	-0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	20(OPE)	1696	191	-2044	-563	5687	-453	0.000	0.000	-0.000
	21(OPE)	-201	21	-1811	-418	-538	81	-0.000	0.000	-0.000
	22(OPE)	792	799	-2191	-942	2726	-199	0.000	0.000	-0.000
	23(OPE)	736	-554	-1706	-74	2537	-183	0.000	-0.000	-0.000
	MAX	2726/L7	799/L22	-3318/L7	-942/L22	9399/L7	-683/L7	0.000/L7	0.000/L22	-0.000/L7
13540		TYPE=Rigid ANC;Tag=/V-25001B/4N								
	5(OPE)	692	41	-1347	86	474	214	0.000	0.365	0.701
	7(OPE)	2438	174	-2867	283	1672	749	0.001	1.274	2.446
	9(OPE)	775	38	-1344	88	520	217	0.000	0.365	0.701
	10(OPE)	606	32	-1330	92	426	210	0.000	0.365	0.701
	11(OPE)	705	160	-1371	8	484	214	0.000	0.365	0.701
	12(OPE)	679	-79	-1328	165	463	214	0.000	0.365	0.701
	13(OPE)	692	36	-1338	89	474	214	0.000	0.365	0.701
	14(SUS)	-3	-4	-736	-2	-3	-0	-0.000	0.000	-0.000
	16(OPE)	1503	65	-1045	76	926	286	0.000	0.365	0.701
	17(OPE)	-139	-37	-863	144	5	142	-0.000	0.365	0.701
	18(OPE)	714	651	-1003	-201	487	215	0.000	0.365	0.701
	19(OPE)	594	-656	-770	451	414	198	0.000	0.365	0.701
	20(OPE)	1502	51	-1773	82	926	287	0.000	0.365	0.701
	21(OPE)	-164	-54	-1600	155	-17	137	-0.000	0.365	0.701
	22(OPE)	708	637	-1733	-190	484	214	0.000	0.365	0.701
	23(OPE)	659	-590	-1659	379	448	212	0.000	0.365	0.701
	MAX	2438/L7	-656/L19	-2867/L7	451/L19	1672/L7	749/L7	0.001/L7	1.274/L7	2.446/L7
15490		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-81	-86	193	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-288	-209	455	0	-0	0	-0.000	-6.947	0.000
	9(OPE)	-93	-82	192	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-69	-83	189	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-83	-92	235	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-79	-66	151	0	-0	0	-0.000	-1.990	0.000
	13(OPE)	-81	-86	190	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	2	1	100	0	-0	0	0.000	0.000	0.000
	16(OPE)	-194	-106	165	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	33	-40	106	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-85	-134	352	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-72	-47	-104	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-195	-134	261	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	35	-74	208	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-85	-159	441	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-75	-28	23	0	-0	0	-0.000	-1.990	0.000
	MAX	-288/L7	-209/L7	455/L7				-0.000/L7	-6.947/L7	0.000/L7
15520		TYPE=Rigid ANC;								
	5(OPE)	773	109	-1497	-394	2665	-193	0.000	0.000	-0.000
	7(OPE)	2730	386	-3333	-938	9406	-684	0.000	0.000	-0.000
	9(OPE)	871	103	-1496	-391	2985	-221	0.000	0.000	-0.000
	10(OPE)	674	97	-1483	-384	2339	-164	0.000	0.000	-0.000
	11(OPE)	787	230	-1553	-479	2712	-197	0.000	0.000	-0.000
	12(OPE)	757	-29	-1442	-302	2609	-189	0.000	-0.000	-0.000
	13(OPE)	773	105	-1485	-389	2665	-193	0.000	0.000	-0.000
	14(SUS)	-15	-15	-776	-180	-51	4	-0.000	-0.000	-0.000
	16(OPE)	1704	169	-1204	-355	5715	-456	0.000	0.000	-0.000
	17(OPE)	-175	3	-967	-211	-447	74	-0.000	0.000	-0.000
	18(OPE)	805	780	-1355	-735	2770	-202	0.000	0.000	-0.000
	19(OPE)	689	-591	-702	195	2385	-170	0.000	-0.000	-0.000
	20(OPE)	1717	177	-1976	-542	5763	-459	0.000	0.000	-0.000
	21(OPE)	-186	33	-1748	-413	-485	77	-0.000	0.000	-0.000
	22(OPE)	802	775	-2104	-908	2766	-201	0.000	0.000	-0.000
	23(OPE)	722	-599	-1613	-27	2489	-179	0.000	-0.000	-0.000
	MAX	2730/L7	780/L18	-3333/L7	-938/L7	9406/L7	-684/L7	0.000/L7	0.000/L18	-0.000/L7
15540		TYPE=Rigid ANC;Tag=/V-25001A/4N								
	5(OPE)	692	23	-1304	92	473	216	0.000	0.365	0.701
	7(OPE)	2441	177	-2878	275	1670	750	0.001	1.274	2.446
	9(OPE)	777	20	-1304	94	521	220	0.000	0.365	0.701
	10(OPE)	604	14	-1294	98	424	212	0.000	0.365	0.701
	11(OPE)	704	138	-1318	16	483	215	0.000	0.365	0.701
	12(OPE)	678	-95	-1291	170	461	215	0.000	0.365	0.701
	13(OPE)	692	18	-1295	94	473	216	0.000	0.365	0.701
	14(SUS)	-13	-14	-676	-5	-10	-2	-0.000	0.000	-0.000
	16(OPE)	1510	63	-1039	73	931	288	0.000	0.365	0.701
	17(OPE)	-141	-37	-861	141	1	141	-0.000	0.365	0.701
	18(OPE)	720	646	-1003	-201	489	217	0.000	0.365	0.701
	19(OPE)	617	-639	-805	434	430	203	0.000	0.365	0.701
	20(OPE)	1521	43	-1715	74	943	293	0.000	0.365	0.701
	21(OPE)	-151	-41	-1540	127	-6	139	-0.000	0.365	0.701
	22(OPE)	717	615	-1662	-188	493	219	0.000	0.365	0.701
	23(OPE)	647	-627	-1590	401	439	212	0.000	0.365	0.701
	MAX	2441/L7	646/L18	-2878/L7	434/L19	1670/L7	750/L7	0.001/L7	1.274/L7	2.446/L7
17490		TYPE=Rigid Z; Rigid X;								
	5(OPE)	-83	-88	225	0	-0	0	-0.000	-1.990	0.000
	7(OPE)	-293	-234	508	0	-0	0	-0.000	-6.946	0.000
	9(OPE)	-94	-91	223	0	-0	0	-0.000	-1.990	0.000
	10(OPE)	-72	-84	224	0	-0	0	-0.000	-1.990	0.000
	11(OPE)	-84	-100	260	0	-0	0	-0.000	-1.990	0.000
	12(OPE)	-82	-78	185	0	-0	0	-0.000	-1.990	0.000

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	13(OPE)	-83	-88	222	0	-0	0	-0.000	-1.990	0.000
	14(SUS)	1	1	115	0	-0	0	0.000	0.000	0.000
	16(OPE)	-194	-103	178	0	-0	0	-0.000	-1.990	0.000
	17(OPE)	29	-46	122	0	-0	0	0.000	-1.990	0.000
	18(OPE)	-85	-132	353	0	-0	0	-0.000	-1.990	0.000
	19(OPE)	-72	-48	-96	0	-0	0	-0.000	-1.990	-0.000
	20(OPE)	-193	-146	290	0	-0	0	-0.000	-1.990	0.000
	21(OPE)	30	-75	237	0	-0	0	0.000	-1.990	0.000
	22(OPE)	-84	-167	468	0	-0	0	-0.000	-1.990	0.000
	23(OPE)	-79	-42	66	0	-0	0	-0.000	-1.990	0.000
	MAX	-293/L7	-234/L7	508/L7				-0.000/L7	-6.946/L7	0.000/L7
17520		TYPE=Rigid ANC;								
	5(OPE)	786	159	-1627	-455	2707	-197	0.000	0.000	-0.000
	7(OPE)	2762	506	-3515	-1050	9512	-693	0.000	0.000	-0.000
	9(OPE)	875	159	-1622	-452	2995	-223	0.000	0.000	-0.000
	10(OPE)	697	156	-1623	-452	2416	-171	0.000	0.000	-0.000
	11(OPE)	794	274	-1666	-530	2733	-200	0.000	0.000	-0.000
	12(OPE)	775	41	-1573	-373	2670	-194	0.000	0.000	-0.000
	13(OPE)	786	156	-1616	-450	2706	-197	0.000	0.000	-0.000
	14(SUS)	-6	-3	-873	-209	-21	2	-0.000	-0.000	-0.000
	16(OPE)	1700	185	-1260	-378	5698	-455	0.000	0.000	-0.000
	17(OPE)	-137	34	-1038	-245	-315	64	-0.000	0.000	-0.000
	18(OPE)	798	782	-1359	-737	2747	-201	0.000	0.000	-0.000
	19(OPE)	692	-571	-717	180	2399	-171	0.000	-0.000	-0.000
	20(OPE)	1696	221	-2129	-600	5684	-454	0.000	0.000	-0.000
	21(OPE)	-146	58	-1921	-466	-348	66	-0.000	0.000	-0.000
	22(OPE)	793	815	-2237	-961	2728	-199	0.000	0.000	-0.000
	23(OPE)	752	-514	-1779	-115	2589	-187	0.000	-0.000	-0.000
	MAX	2762/L7	815/L22	-3515/L7	-1050/L7	9512/L7	-693/L7	0.000/L7	0.000/L22	-0.000/L7
17540		TYPE=Rigid ANC;Tag=/V-25001F/4N								
	5(OPE)	703	72	-1403	64	479	214	0.000	0.365	0.701
	7(OPE)	2470	272	-3007	203	1686	749	0.001	1.274	2.446
	9(OPE)	781	68	-1399	66	522	217	0.000	0.365	0.701
	10(OPE)	625	72	-1399	64	437	211	0.000	0.365	0.701
	11(OPE)	710	173	-1406	-3	484	213	0.000	0.365	0.701
	12(OPE)	694	-37	-1387	134	471	215	0.000	0.365	0.701
	13(OPE)	703	68	-1394	65	479	214	0.000	0.365	0.701
	14(SUS)	-5	-2	-758	1	-5	-1	-0.000	0.000	-0.000
	16(OPE)	1506	82	-1082	62	925	285	0.000	0.365	0.701
	17(OPE)	-108	-12	-915	126	28	147	-0.000	0.365	0.701
	18(OPE)	713	650	-1005	-198	486	215	0.000	0.365	0.701
	19(OPE)	620	-619	-813	422	435	202	0.000	0.365	0.701
	20(OPE)	1503	75	-1839	67	922	285	0.000	0.365	0.701
	21(OPE)	-116	-16	-1685	132	20	146	-0.000	0.365	0.701
	22(OPE)	709	648	-1769	-196	482	214	0.000	0.365	0.701
	23(OPE)	673	-556	-1713	354	457	213	0.000	0.365	0.701
	MAX	2470/L7	650/L18	-3007/L7	422/L19	1686/L7	749/L7	0.001/L7	1.274/L7	2.446/L7
18000		TYPE=Rigid ANC;								
	5(OPE)	-621	-1061	-3417	3048	211	-2479	-0.000	-0.000	-0.000
	7(OPE)	-1679	-4066	-5523	11948	-1436	-8945	-0.000	-0.000	-0.000
	9(OPE)	-31	-972	-3383	2732	2089	-2395	-0.000	-0.000	-0.000
	10(OPE)	-1146	-1112	-3451	3243	-1517	-2528	-0.000	-0.000	-0.000
	11(OPE)	-648	-428	-3337	914	-127	-2147	-0.000	-0.000	-0.000
	12(OPE)	-611	-1702	-3501	5200	517	-2819	-0.000	-0.000	-0.000
	13(OPE)	-621	-1061	-3417	3047	211	-2479	-0.000	-0.000	-0.000
	14(SUS)	124	178	-2583	-240	1513	266	0.000	0.000	-0.000
	16(OPE)	1621	-888	-2131	2485	5804	-2307	0.000	-0.000	-0.000
	17(OPE)	-2469	-1168	-2187	3288	-5786	-2653	-0.000	-0.000	-0.000
	18(OPE)	-961	614	-2302	-2900	-1244	-2153	-0.000	0.000	-0.000
	19(OPE)	-553	-3339	-2319	11042	634	-3366	-0.000	-0.000	-0.000
	20(OPE)	1185	-881	-4633	2470	5992	-2276	0.000	-0.000	-0.000
	21(OPE)	-2353	-895	-4714	2433	-4242	-2384	-0.000	-0.000	-0.000
	22(OPE)	-680	805	-4603	-3116	390	-1778	-0.000	0.000	-0.000
	23(OPE)	-548	-3121	-4901	10327	2030	-3170	-0.000	-0.000	-0.000
	MAX	-2469/L17	-4066/L7	-5523/L7	11948/L7	5992/L20	-8945/L7	-0.000/L17	-0.000/L7	-0.000/L7
18025		TYPE=Rigid ANC;Tag=/V-43001_N1								
	5(OPE)	-212	-1075	-1798	476	1742	-1713	0.069	-0.004	0.450
	7(OPE)	-284	-3698	-2941	1593	3514	-5991	0.237	-0.016	1.574
	9(OPE)	103	-1021	-1772	443	1832	-1666	0.070	-0.004	0.450
	10(OPE)	-459	-1099	-1824	488	1682	-1736	0.067	-0.004	0.451
	11(OPE)	-209	-803	-1709	481	1559	-1463	0.068	-0.002	0.450
	12(OPE)	-232	-1353	-1890	474	1926	-1969	0.069	-0.006	0.450
	13(OPE)	-212	-1075	-1798	476	1742	-1713	0.069	-0.004	0.450
	14(SUS)	94	133	-1216	-56	906	153	0.002	0.000	-0.001
	16(OPE)	1317	-888	-1141	344	1605	-1583	0.074	-0.004	0.449
	17(OPE)	-1304	-1154	-1166	517	1055	-1793	0.063	-0.004	0.452
	18(OPE)	-439	-548	-1270	569	1366	-1523	0.067	0.002	0.451
	19(OPE)	-340	-1877	-1351	495	1576	-2217	0.069	-0.012	0.450
	20(OPE)	865	-988	-2412	432	2386	-1625	0.074	-0.004	0.449
	21(OPE)	-1176	-1044	-2461	463	2133	-1676	0.064	-0.004	0.451
	22(OPE)	-224	-341	-2344	486	2044	-1280	0.069	0.002	0.450
	23(OPE)	-323	-1821	-2700	469	2714	-2155	0.071	-0.012	0.449
	MAX	1317/L16	-3698/L7	-2941/L7	1593/L7	3514/L7	-5991/L7	0.237/L7	-0.016/L7	1.574/L7
18042		TYPE=Rigid ANC;Tag=/V-43001/N2								

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:9
Job Name: 8.1.3 RESTRAINT SUMMARY EXTENDED
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

Node	Load Case	FX N.	FY N.	FZ N.	MX N.m.	MY N.m.	MZ N.m.	DX mm.	DY mm.	DZ mm.
	5(OPE)	-409	14	-1619	424	-310	-435	0.001	-0.006	0.726
	7(OPE)	-1395	-368	-2581	1603	-693	-1815	-0.002	-0.023	2.535
	9(OPE)	-135	49	-1612	366	-57	-414	0.005	-0.005	0.726
	10(OPE)	-687	-13	-1627	470	-568	-454	-0.002	-0.006	0.726
	11(OPE)	-439	375	-1628	28	-345	-437	0.000	-0.001	0.726
	12(OPE)	-379	-348	-1610	821	-274	-433	0.002	-0.010	0.726
	13(OPE)	-409	14	-1619	424	-310	-435	0.001	-0.006	0.726
	14(SUS)	30	45	-1367	236	-59	73	0.003	0.000	-0.000
	16(OPE)	304	1	-990	331	162	-451	0.011	-0.005	0.726
	17(OPE)	-1165	-14	-1020	370	-713	-504	-0.011	-0.006	0.726
	18(OPE)	-522	1162	-1032	-769	-390	-461	-0.002	0.007	0.726
	19(OPE)	-213	-1462	-968	1916	36	-572	0.002	-0.022	0.726
	20(OPE)	319	107	-2220	376	49	-347	0.013	-0.005	0.726
	21(OPE)	-1177	149	-2253	328	-867	-387	-0.007	-0.004	0.726
	22(OPE)	-456	1146	-2259	-533	-422	-393	0.002	0.007	0.726
	23(OPE)	-225	-1300	-2201	1874	-118	-455	0.006	-0.021	0.726
	MAX	-1395/L7	-1462/L19	-2581/L7	1916/L19	-867/L21	-1815/L7	0.013/L20	-0.023/L7	2.535/L7
19000		TYPE=Rigid ANC;								
	5(OPE)	-196	723	-1726	-4886	-113	558	-0.000	0.000	-0.000
	7(OPE)	-424	1092	-1917	-6677	-653	941	-0.000	0.000	-0.000
	9(OPE)	108	899	-1724	-5763	1413	350	0.000	0.000	-0.000
	10(OPE)	-507	583	-1729	-4182	-1671	791	-0.000	0.000	-0.000
	11(OPE)	-225	964	-1733	-6098	-247	685	-0.000	0.000	-0.000
	12(OPE)	-167	480	-1719	-3661	23	429	-0.000	0.000	-0.000
	13(OPE)	-196	723	-1726	-4886	-113	558	-0.000	0.000	-0.000
	14(SUS)	2	-21	-848	-547	46	-15	0.000	-0.000	-0.000
	16(OPE)	865	908	-896	-5171	4894	-316	0.000	0.000	-0.000
	17(OPE)	-1261	542	-905	-3336	-5762	1441	-0.000	0.000	-0.000
	18(OPE)	-325	1950	-919	-10409	-1042	1080	-0.000	0.000	-0.000
	19(OPE)	176	-1820	-885	8515	1398	-897	0.000	-0.000	-0.000
	20(OPE)	812	1205	-2547	-7942	5258	-110	0.000	0.000	-0.000
	21(OPE)	-1362	1098	-2555	-7405	-5641	1832	-0.000	0.000	-0.000
	22(OPE)	-274	1684	-2571	-10361	-158	885	-0.000	0.000	-0.000
	23(OPE)	75	-1265	-2535	4453	1520	-507	0.000	-0.000	-0.000
	MAX	-1362/L21	1950/L18	-2571/L22	-10409/L18	-5762/L17	1832/L21	-0.000/L21	0.000/L18	-0.000/L22
19560		TYPE=Rigid ANC;Tag=/Q-43004/N1								
	5(OPE)	-196	723	-1726	-328	874	453	0.001	0.168	0.823
	7(OPE)	-424	1092	-1917	-163	1479	714	-0.005	0.415	2.909
	9(OPE)	108	899	-1724	-325	869	408	0.024	0.181	0.821
	10(OPE)	-507	583	-1729	-329	879	521	-0.023	0.158	0.825
	11(OPE)	-225	964	-1733	-326	885	565	-0.002	0.185	0.820
	12(OPE)	-167	480	-1719	-330	862	340	0.004	0.150	0.826
	13(OPE)	-196	723	-1726	-328	874	453	0.001	0.168	0.823
	14(SUS)	2	-21	-848	-199	34	-13	0.001	0.012	-0.003
	16(OPE)	865	908	-896	-125	545	146	0.076	0.168	0.824
	17(OPE)	-1261	542	-905	-126	577	768	-0.088	0.141	0.828
	18(OPE)	-325	1950	-919	-113	594	907	-0.018	0.243	0.812
	19(OPE)	176	-1820	-885	-162	515	-803	0.029	-0.029	0.855
	20(OPE)	812	1205	-2547	-524	1174	323	0.085	0.216	0.814
	21(OPE)	-1362	1098	-2555	-520	1208	1105	-0.084	0.209	0.816
	22(OPE)	-274	1684	-2571	-522	1217	739	0.001	0.251	0.809
	23(OPE)	75	-1265	-2535	-556	1146	-467	0.033	0.038	0.842
	MAX	-1362/L21	1950/L18	-2571/L22	-556/L23	1479/L7	1105/L21	-0.088/L17	0.415/L7	2.909/L7

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:12
Job Name: 8.1.4 NOZZLE CHECK
Licensed To: ROSETTI spa

1 Load Cases
2 Nozzle Check
5 (OPE) W+T3+P1
7 (OPE) W+T4+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:12
Job Name: 8.1.4 NOZZLE CHECK
Licensed To: ROSETTI spa

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:12
Job Name: 8.1.4 NOZZLE CHECK
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
NOZZLE CHECK REPORT: Nozzle Loads Screening
Various Load Cases

Node	fa N.	fb N.	fc N.	Forces Check	ma N.m.	mb N.m.	mc N.m.	Moments Check	

LOAD CASE DEFINITION KEY

CASE 5 (OPE) W+T3+P1
CASE 7 (OPE) W+T4+P1
CASE 9 (OPE) W+T3+P1+WIN1
CASE 10 (OPE) W+T3+P1+WIN2
CASE 11 (OPE) W+T3+P1+WIN3
CASE 12 (OPE) W+T3+P1+WIN4
CASE 13 (OPE) W+T3+P1+F1
CASE 14 (SUS) W+P1

7540	Absolute Method								
Limits	5600	2800	4200		1680	1456	1120		
5(OPE)	-1344	-45	696	0.240	214	-478	83	0.328	
7(OPE)	-2845	-195	2450	0.583	749	-1685	262	1.157	*
9(OPE)	-1343	-43	775	0.240	218	-522	85	0.358	
10(OPE)	-1335	-44	617	0.238	211	-434	81	0.298	
11(OPE)	-1360	-154	705	0.243	214	-485	11	0.333	
12(OPE)	-1330	68	685	0.237	215	-468	157	0.322	
13(OPE)	-1334	-41	696	0.238	215	-478	85	0.328	
14(SUS)	-736	4	-3	0.131	-0	3	-2	0.002	

9540	Absolute Method								
Limits	5600	2800	4200		1680	1456	1120		
5(OPE)	-1352	-44	694	0.242	214	-475	84	0.326	
7(OPE)	-2837	-196	2425	0.577	742	-1669	269	1.146	*
9(OPE)	-1340	-35	771	0.239	218	-518	91	0.356	
10(OPE)	-1334	-33	611	0.238	211	-429	91	0.294	
11(OPE)	-1377	-163	706	0.246	213	-484	4	0.333	
12(OPE)	-1328	73	679	0.237	214	-463	161	0.318	
13(OPE)	-1343	-39	694	0.240	214	-475	87	0.326	
14(SUS)	-736	4	-3	0.131	-0	3	-2	0.002	

11540	Absolute Method								
Limits	5600	2800	4200		1680	1456	1120		
5(OPE)	-1344	-45	696	0.240	214	-478	83	0.328	
7(OPE)	-2849	-195	2450	0.583	749	-1685	263	1.157	*
9(OPE)	-1344	-43	779	0.240	218	-524	85	0.360	
10(OPE)	-1333	-43	613	0.238	211	-432	82	0.296	
11(OPE)	-1361	-159	706	0.243	214	-485	8	0.333	
12(OPE)	-1328	73	684	0.237	215	-468	161	0.321	
13(OPE)	-1335	-40	696	0.238	215	-478	85	0.328	
14(SUS)	-736	4	-3	0.131	-0	3	-2	0.002	

13540	Absolute Method								
Limits	5600	2800	4200		1680	1456	1120		
5(OPE)	-1347	-41	692	0.241	214	-474	86	0.325	
7(OPE)	-2867	-174	2438	0.581	749	-1672	283	1.148	*
9(OPE)	-1344	-38	775	0.240	217	-520	88	0.357	
10(OPE)	-1330	-32	606	0.237	210	-426	92	0.292	
11(OPE)	-1371	-160	705	0.245	214	-484	8	0.332	
12(OPE)	-1328	79	679	0.237	214	-463	165	0.318	
13(OPE)	-1338	-36	692	0.239	214	-474	89	0.325	
14(SUS)	-736	4	-3	0.131	-0	3	-2	0.002	

15540	Absolute Method								
Limits	5600	2800	4200		1680	1456	1120		
5(OPE)	-1304	-23	692	0.233	216	-473	92	0.325	
7(OPE)	-2878	-177	2441	0.581	750	-1670	275	1.147	*
9(OPE)	-1304	-20	777	0.233	220	-521	94	0.358	
10(OPE)	-1294	-14	604	0.231	212	-424	98	0.291	
11(OPE)	-1318	-138	704	0.235	215	-483	16	0.331	
12(OPE)	-1291	95	678	0.231	215	-461	170	0.317	
13(OPE)	-1295	-18	692	0.231	216	-473	94	0.325	
14(SUS)	-676	14	-13	0.121	-2	10	-5	0.007	

17540 Absolute Method

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:12
Job Name: 8.1.4 NOZZLE CHECK
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
NOZZLE CHECK REPORT: Nozzle Loads Screening
Various Load Cases

Node		fa N.	fb N.	fc N.	Forces Check	ma N.m.	mb N.m.	mc N.m.	Moments Check	
	Limits	5600	2800	4200		1680	1456	1120		
	5(OPE)	-1403	-72	703	0.250	214	-479	64	0.329	
	7(OPE)	-3007	-272	2470	0.588	749	-1686	203	1.158	*
	9(OPE)	-1399	-68	781	0.250	217	-522	66	0.358	
	10(OPE)	-1399	-72	625	0.250	211	-437	64	0.300	
	11(OPE)	-1406	-173	710	0.251	213	-484	-3	0.333	
	12(OPE)	-1387	37	694	0.248	215	-471	134	0.324	
	13(OPE)	-1394	-68	703	0.249	214	-479	65	0.329	
	14(SUS)	-758	2	-5	0.135	-1	5	1	0.003	
18042		Absolute Method								
	Limits	12000	6000	6000		9000	6000	6000		
	5(OPE)	-1619	409	-14	0.135	-435	-424	310	0.071	
	7(OPE)	-2581	1395	368	0.233	-1815	-1603	693	0.267	
	9(OPE)	-1612	135	-49	0.134	-414	-366	57	0.061	
	10(OPE)	-1627	687	13	0.136	-454	-470	568	0.095	
	11(OPE)	-1628	439	-375	0.136	-437	-28	345	0.058	
	12(OPE)	-1610	379	348	0.134	-433	-821	274	0.137	
	13(OPE)	-1619	409	-14	0.135	-435	-424	310	0.071	
	14(SUS)	-1367	-30	-45	0.114	73	-236	59	0.039	
18025		Absolute Method								
	Limits	12000	6000	9000		9000	6000	7800		
	5(OPE)	-212	-1798	1075	0.300	476	-1713	-1742	0.286	
	7(OPE)	-284	-2941	3698	0.490	1593	-5991	-3514	0.998	
	9(OPE)	103	-1772	1021	0.295	443	-1666	-1832	0.278	
	10(OPE)	-459	-1824	1099	0.304	488	-1736	-1682	0.289	
	11(OPE)	-209	-1709	803	0.285	481	-1463	-1559	0.244	
	12(OPE)	-232	-1890	1353	0.315	474	-1969	-1926	0.328	
	13(OPE)	-212	-1798	1075	0.300	476	-1713	-1742	0.286	
	14(SUS)	94	-1216	-133	0.203	-56	153	-906	0.116	
19560		Absolute Method								
	Limits	7784	14456	14456		6304	4745	4745		
	5(OPE)	723	-1726	-196	0.119	874	453	-328	0.139	
	7(OPE)	1092	-1917	-424	0.140	1479	714	-163	0.235	
	9(OPE)	899	-1724	108	0.119	869	408	-325	0.138	
	10(OPE)	583	-1729	-507	0.120	879	521	-329	0.139	
	11(OPE)	964	-1733	-225	0.124	885	565	-326	0.140	
	12(OPE)	480	-1719	-167	0.119	862	340	-330	0.137	
	13(OPE)	723	-1726	-196	0.119	874	453	-328	0.139	
	14(SUS)	-21	-848	2	0.059	34	-13	-199	0.042	

CAESAR II Ver.14.00.00.0910, (Build 231113) Date:JUL 9,2024 @12:16
Job: 8.1.5 NATURAL FREQUENCY ANALYSIS
Licensed To: ROSETTI spa

Table of Contents

NATURAL FREQUENCY REPORT (- N/A -) 2

CAESAR II Ver.14.00.00.0910, (Build 231113) Date:JUL 9,2024 @12:16
Job: 8.1.5 NATURAL FREQUENCY ANALYSIS
Licensed To: ROSETTI spa

MODE	(Hz) FREQUENCY	(Radians/Sec) FREQUENCY	(Sec) PERIOD
1	5.726	35.978	0.175
2	7.008	44.033	0.143
3	8.942	56.185	0.112
4	10.521	66.107	0.095
5	11.955	75.116	0.084
6	12.514	78.631	0.080
7	12.885	80.960	0.078
8	13.356	83.919	0.075
9	13.384	84.096	0.075
10	13.511	84.891	0.074
11	14.191	89.165	0.070
12	14.191	89.166	0.070
13	14.698	92.350	0.068
14	15.350	96.448	0.065
15	15.479	97.256	0.065
16	15.993	100.488	0.063
17	16.586	104.213	0.060
18	17.442	109.593	0.057
19	18.162	114.118	0.055
20	18.711	117.566	0.053
21	20.103	126.308	0.050
22	20.104	126.316	0.050
23	20.105	126.324	0.050
24	20.105	126.324	0.050
25	20.106	126.331	0.050
26	20.113	126.375	0.050
27	20.929	131.502	0.048
28	20.938	131.554	0.048
29	20.949	131.627	0.048
30	20.953	131.653	0.048
31	22.195	139.454	0.045
32	22.254	139.824	0.045
33	23.403	147.043	0.043
34	23.404	147.053	0.043
35	23.548	147.959	0.042
36	23.567	148.073	0.042
37	24.419	153.431	0.041
38	25.183	158.231	0.040
39	26.251	164.938	0.038
40	26.500	166.504	0.038
41	27.525	172.942	0.036
42	27.745	174.330	0.036
43	28.274	177.651	0.035
44	30.342	190.643	0.033
45	34.877	219.139	0.029

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spa

1 Load Cases
2 Code Compliance
2 (Alt-SUS) W+P1
4 (Alt-SUS) W+P1
6 (Alt-SUS) W+P1
8 (Alt-SUS) W+P1
14 (SUS) W+P1
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spa

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code

LOAD CASE DEFINITION KEY

CASE 2 (Alt-SUS) W+P1
CASE 4 (Alt-SUS) W+P1
CASE 6 (Alt-SUS) W+P1
CASE 8 (Alt-SUS) W+P1
CASE 14 (SUS) W+P1
CASE 24 (EXP) L24=L1-L14
CASE 25 (EXP) L25=L3-L14
CASE 26 (EXP) L26=L5-L14
CASE 27 (EXP) L27=L7-L14
CASE 28 (EXP) L28=L3-L7
CASE 42 (OCC) L42=L29+L14
CASE 43 (OCC) L43=L30+L14
CASE 44 (OCC) L44=L31+L14
CASE 45 (OCC) L45=L32+L14
CASE 46 (OCC) L46=L33+L14
CASE 47 (OCC) L47=L34+L14
CASE 48 (OCC) L48=L35+L14
CASE 49 (OCC) L49=L36+L14
CASE 50 (OCC) L50=L37+L14
CASE 51 (OCC) L51=L38+L14
CASE 52 (OCC) L52=L39+L14
CASE 53 (OCC) L53=L40+L14
CASE 54 (OCC) L54=L41+L14

Note: For a complete breakdown of code-defined stress components, see the Stresses report.
Piping Code: B31.12-IP-19 = B31.12 IP -2019, December 20, 2019

*** CODE COMPLIANCE EVALUATION PASSED ***

Highest Stresses: (KPa)
Ratio (%): 65.5 @Node 100 LOADCASE: 28 (EXP) L28=L3-L7
Code Stress: 197140.9 Allowable Stress: 300979.3
Axial Stress: 48671.1 @Node 6690 LOADCASE: 49 (OCC) L49=L36+L14
Bending Stress: 215418.1 @Node 1490 LOADCASE: 24 (EXP) L24=L1-L14
Torsion Stress: 75965.2 @Node 6290 LOADCASE: 24 (EXP) L24=L1-L14
Hoop Stress: 94880.6 @Node 640 LOADCASE: 2 (Alt-SUS) W+P1
Max Stress Intensity: 219473.3 @Node 1490 LOADCASE: 24 (EXP) L24=L1-L14

2(Alt-SUS)	20	0.0	0.0	0.0	30	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	30	36414.4	137895.1	26.4	40	36424.9	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		34930.8	137895.1	25.3		34961.6	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34488.8	137895.1	25.0		34493.2	137895.1	25.0	B31.12-IP-19
8(Alt-SUS)		34528.2	137895.1	25.0		34536.8	137895.1	25.0	B31.12-IP-19
14(SUS)		34441.0	137895.1	25.0		34458.6	137895.1	25.0	B31.12-IP-19
24(EXP)		47086.1	308323.4	15.3		42537.3	308312.9	13.8	B31.12-IP-19
25(EXP)		13694.2	308323.4	4.4		12225.3	308312.9	4.0	B31.12-IP-19
26(EXP)		9987.2	308323.4	3.2		8948.8	308312.9	2.9	B31.12-IP-19
27(EXP)		34726.1	308323.4	11.3		31056.9	308312.9	10.1	B31.12-IP-19
28(EXP)		48417.6	308323.4	15.7		43280.6	308312.9	14.0	B31.12-IP-19
42(OCC)		34990.6	183400.5	19.1		34857.1	183400.5	19.0	B31.12-IP-19
43(OCC)		34996.3	183400.5	19.1		34862.5	183400.5	19.0	B31.12-IP-19
44(OCC)		35466.3	183400.5	19.3		35219.0	183400.5	19.2	B31.12-IP-19
45(OCC)		35524.6	183400.5	19.4		35267.4	183400.5	19.2	B31.12-IP-19
46(OCC)		34461.5	183400.5	18.8		34485.4	183400.5	18.8	B31.12-IP-19
47(OCC)		40360.8	183400.5	22.0		38951.3	183400.5	21.2	B31.12-IP-19
48(OCC)		40717.8	183400.5	22.2		39220.2	183400.5	21.4	B31.12-IP-19
49(OCC)		37373.7	183400.5	20.4		36467.5	183400.5	19.9	B31.12-IP-19
50(OCC)		38962.5	183400.5	21.2		37737.3	183400.5	20.6	B31.12-IP-19
51(OCC)		40507.4	183400.5	22.1		39092.2	183400.5	21.3	B31.12-IP-19
52(OCC)		40929.6	183400.5	22.3		39363.2	183400.5	21.5	B31.12-IP-19
53(OCC)		37071.2	183400.5	20.2		36219.6	183400.5	19.7	B31.12-IP-19
54(OCC)		37242.7	183400.5	20.3		36249.6	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	40	0.0	0.0	0.0	50	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	50	0.0	0.0	0.0	60	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	60	36660.7	137895.1	26.6	68	36686.8	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		35228.5	137895.1	25.5		35268.7	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34715.0	137895.1	25.2		34731.4	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34764.8	137895.1	25.2		34783.7	137895.1	25.2	B31.12-IP-19
14(SUS)		34695.9	137895.1	25.2		34716.3	137895.1	25.2	B31.12-IP-19
24(EXP)		41661.1	308077.1	13.5		45390.9	308051.1	14.7	B31.12-IP-19
25(EXP)		11799.2	308077.1	3.8		12875.4	308051.1	4.2	B31.12-IP-19
26(EXP)		8617.9	308077.1	2.8		9348.5	308051.1	3.0	B31.12-IP-19
27(EXP)		29912.4	308077.1	9.7		32521.2	308051.1	10.6	B31.12-IP-19
28(EXP)		41711.3	308077.1	13.5		45396.5	308051.1	14.7	B31.12-IP-19
42(OCC)		34886.8	183400.5	19.0		34842.6	183400.5	19.0	B31.12-IP-19
43(OCC)		34894.6	183400.5	19.0		34855.9	183400.5	19.0	B31.12-IP-19
44(OCC)		35033.3	183400.5	19.1		34845.9	183400.5	19.0	B31.12-IP-19
45(OCC)		35063.5	183400.5	19.1		34864.6	183400.5	19.0	B31.12-IP-19
46(OCC)		34744.9	183400.5	18.9		34778.9	183400.5	19.0	B31.12-IP-19
47(OCC)		37547.9	183400.5	20.5		37249.9	183400.5	20.3	B31.12-IP-19
48(OCC)		37565.3	183400.5	20.5		37220.0	183400.5	20.3	B31.12-IP-19
49(OCC)		35567.8	183400.5	19.4		35321.8	183400.5	19.3	B31.12-IP-19
50(OCC)		36350.4	183400.5	19.8		36094.6	183400.5	19.7	B31.12-IP-19
51(OCC)		37584.0	183400.5	20.5		37268.0	183400.5	20.3	B31.12-IP-19
52(OCC)		37763.0	183400.5	20.6		37406.2	183400.5	20.4	B31.12-IP-19
53(OCC)		35328.6	183400.5	19.3		35069.5	183400.5	19.1	B31.12-IP-19
54(OCC)		35191.2	183400.5	19.2		34858.7	183400.5	19.0	B31.12-IP-19
2(Alt-SUS)	68	38635.5	137895.1	28.0	69	37909.1	137895.1	27.5	B31.12-IP-19
4(Alt-SUS)		35959.3	137895.1	26.1		35795.6	137895.1	26.0	B31.12-IP-19
6(Alt-SUS)		34942.6	137895.1	25.3		34970.0	137895.1	25.4	B31.12-IP-19
8(Alt-SUS)		35042.0	137895.1	25.4		35050.6	137895.1	25.4	B31.12-IP-19
14(SUS)		34913.4	137895.1	25.3		34948.0	137895.1	25.3	B31.12-IP-19
24(EXP)		80634.2	306102.3	26.3		66254.3	306828.7	21.6	B31.12-IP-19
25(EXP)		21958.6	306102.3	7.2		18133.8	306828.7	5.9	B31.12-IP-19
26(EXP)		16074.6	306102.3	5.3		13143.8	306828.7	4.3	B31.12-IP-19
27(EXP)		55594.7	306102.3	18.2		45634.3	306828.7	14.9	B31.12-IP-19
28(EXP)		77553.1	306102.3	25.3		63767.9	306828.7	20.8	B31.12-IP-19
42(OCC)		35056.6	183400.5	19.1		35048.9	183400.5	19.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
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CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		35102.5	183400.5	19.1		35095.0	183400.5	19.1	B31.12-IP-19
44(OCC)		35155.7	183400.5	19.2		35165.3	183400.5	19.2	B31.12-IP-19
45(OCC)		35198.1	183400.5	19.2		35145.1	183400.5	19.2	B31.12-IP-19
46(OCC)		35028.4	183400.5	19.1		35065.5	183400.5	19.1	B31.12-IP-19
47(OCC)		37555.9	183400.5	20.5		37547.6	183400.5	20.5	B31.12-IP-19
48(OCC)		37501.4	183400.5	20.4		37541.1	183400.5	20.5	B31.12-IP-19
49(OCC)		36030.4	183400.5	19.6		35675.6	183400.5	19.5	B31.12-IP-19
50(OCC)		37080.9	183400.5	20.2		36748.7	183400.5	20.0	B31.12-IP-19
51(OCC)		37519.9	183400.5	20.5		37511.9	183400.5	20.5	B31.12-IP-19
52(OCC)		37730.1	183400.5	20.6		37821.6	183400.5	20.6	B31.12-IP-19
53(OCC)		35600.3	183400.5	19.4		35229.4	183400.5	19.2	B31.12-IP-19
54(OCC)		35111.3	183400.5	19.1		35752.4	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	69	37909.1	137895.1	27.5	70	35838.5	137895.1	26.0	B31.12-IP-19
4(Alt-SUS)		35795.6	137895.1	26.0		35173.7	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		34970.0	137895.1	25.4		34892.5	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		35050.6	137895.1	25.4		34921.8	137895.1	25.3	B31.12-IP-19
14(SUS)		34948.0	137895.1	25.3		34881.9	137895.1	25.3	B31.12-IP-19
24(EXP)		66254.3	306828.7	21.6		57167.1	308899.3	18.5	B31.12-IP-19
25(EXP)		18133.8	306828.7	5.9		16226.7	308899.3	5.3	B31.12-IP-19
26(EXP)		13143.8	306828.7	4.3		11750.2	308899.3	3.8	B31.12-IP-19
27(EXP)		45634.3	306828.7	14.9		40941.9	308899.3	13.3	B31.12-IP-19
28(EXP)		63767.9	306828.7	20.8		57168.3	308899.3	18.5	B31.12-IP-19
42(OCC)		35048.9	183400.5	19.1		34959.4	183400.5	19.1	B31.12-IP-19
43(OCC)		35095.0	183400.5	19.1		34975.2	183400.5	19.1	B31.12-IP-19
44(OCC)		35165.3	183400.5	19.2		35152.3	183400.5	19.2	B31.12-IP-19
45(OCC)		35145.1	183400.5	19.2		35155.0	183400.5	19.2	B31.12-IP-19
46(OCC)		35065.5	183400.5	19.1		34937.9	183400.5	19.1	B31.12-IP-19
47(OCC)		37547.6	183400.5	20.5		36954.4	183400.5	20.1	B31.12-IP-19
48(OCC)		37541.1	183400.5	20.5		36902.0	183400.5	20.1	B31.12-IP-19
49(OCC)		35675.6	183400.5	19.5		35556.5	183400.5	19.4	B31.12-IP-19
50(OCC)		36748.7	183400.5	20.0		37080.5	183400.5	20.2	B31.12-IP-19
51(OCC)		37511.9	183400.5	20.5		36984.2	183400.5	20.2	B31.12-IP-19
52(OCC)		37821.6	183400.5	20.6		37083.9	183400.5	20.2	B31.12-IP-19
53(OCC)		35229.4	183400.5	19.2		35097.0	183400.5	19.1	B31.12-IP-19
54(OCC)		35752.4	183400.5	19.5		35595.7	183400.5	19.4	B31.12-IP-19
2(Alt-SUS)	70	35188.1	137895.1	25.5	78	34822.8	137895.1	25.3	B31.12-IP-19
4(Alt-SUS)		34852.1	137895.1	25.3		34571.8	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34710.1	137895.1	25.2		34641.1	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34724.8	137895.1	25.2		34633.8	137895.1	25.1	B31.12-IP-19
14(SUS)		34705.0	137895.1	25.2		34640.6	137895.1	25.1	B31.12-IP-19
24(EXP)		40285.2	309549.7	13.0		35983.7	309915.0	11.6	B31.12-IP-19
25(EXP)		11581.1	309549.7	3.7		10393.7	309915.0	3.4	B31.12-IP-19
26(EXP)		8337.8	309549.7	2.7		7469.1	309915.0	2.4	B31.12-IP-19
27(EXP)		29128.1	309549.7	9.4		26113.9	309915.0	8.4	B31.12-IP-19
28(EXP)		40709.2	309549.7	13.2		36507.5	309915.0	11.8	B31.12-IP-19
42(OCC)		34775.7	183400.5	19.0		34708.5	183400.5	18.9	B31.12-IP-19
43(OCC)		34787.3	183400.5	19.0		34721.1	183400.5	18.9	B31.12-IP-19
44(OCC)		34877.7	183400.5	19.0		34809.4	183400.5	19.0	B31.12-IP-19
45(OCC)		34881.6	183400.5	19.0		34821.9	183400.5	19.0	B31.12-IP-19
46(OCC)		34736.7	183400.5	18.9		34662.6	183400.5	18.9	B31.12-IP-19
47(OCC)		36315.1	183400.5	19.8		35937.8	183400.5	19.6	B31.12-IP-19
48(OCC)		36333.6	183400.5	19.8		36035.3	183400.5	19.6	B31.12-IP-19
49(OCC)		35244.0	183400.5	19.2		35290.4	183400.5	19.2	B31.12-IP-19
50(OCC)		36380.4	183400.5	19.8		36812.8	183400.5	20.1	B31.12-IP-19
51(OCC)		36314.5	183400.5	19.8		35930.5	183400.5	19.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		36468.9	183400.5	19.9		36134.1	183400.5	19.7	B31.12-IP-19
53(OCC)		34889.1	183400.5	19.0		34858.3	183400.5	19.0	B31.12-IP-19
54(OCC)		35166.6	183400.5	19.2		35051.2	183400.5	19.1	B31.12-IP-19
2(Alt-SUS)	78	35020.0	137895.1	25.4	79	36359.4	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		34607.7	137895.1	25.1		35020.2	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34717.2	137895.1	25.2		34618.6	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34705.0	137895.1	25.2		34638.5	137895.1	25.1	B31.12-IP-19
14(SUS)		34716.3	137895.1	25.2		34590.0	137895.1	25.1	B31.12-IP-19
24(EXP)		39637.5	309717.8	12.8		43557.4	308378.5	14.1	B31.12-IP-19
25(EXP)		11427.0	309717.8	3.7		12831.1	308378.5	4.2	B31.12-IP-19
26(EXP)		8284.0	309717.8	2.7		9139.7	308378.5	3.0	B31.12-IP-19
27(EXP)		28866.4	309717.8	9.3		32121.3	308378.5	10.4	B31.12-IP-19
28(EXP)		40292.5	309717.8	13.0		44952.1	308378.5	14.6	B31.12-IP-19
42(OCC)		34787.8	183400.5	19.0		34705.0	183400.5	18.9	B31.12-IP-19
43(OCC)		34804.4	183400.5	19.0		34698.9	183400.5	18.9	B31.12-IP-19
44(OCC)		34990.0	183400.5	19.1		34767.9	183400.5	19.0	B31.12-IP-19
45(OCC)		35009.9	183400.5	19.1		34797.5	183400.5	19.0	B31.12-IP-19
46(OCC)		34751.7	183400.5	18.9		34659.1	183400.5	18.9	B31.12-IP-19
47(OCC)		36042.1	183400.5	19.7		37245.9	183400.5	20.3	B31.12-IP-19
48(OCC)		36199.7	183400.5	19.7		37515.4	183400.5	20.5	B31.12-IP-19
49(OCC)		35587.9	183400.5	19.4		35353.4	183400.5	19.3	B31.12-IP-19
50(OCC)		37767.0	183400.5	20.6		37536.0	183400.5	20.5	B31.12-IP-19
51(OCC)		36063.1	183400.5	19.7		37221.2	183400.5	20.3	B31.12-IP-19
52(OCC)		36290.0	183400.5	19.8		37791.1	183400.5	20.6	B31.12-IP-19
53(OCC)		35025.6	183400.5	19.1		34830.3	183400.5	19.0	B31.12-IP-19
54(OCC)		35329.4	183400.5	19.3		35151.3	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	79	36359.4	137895.1	26.4	80	36748.0	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		35020.2	137895.1	25.4		35279.6	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34618.6	137895.1	25.1		34820.5	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		34638.5	137895.1	25.1		34865.4	137895.1	25.3	B31.12-IP-19
14(SUS)		34590.0	137895.1	25.1		34821.4	137895.1	25.3	B31.12-IP-19
24(EXP)		43557.4	308378.5	14.1		53401.6	307989.8	17.3	B31.12-IP-19
25(EXP)		12831.1	308378.5	4.2		16026.9	307989.8	5.2	B31.12-IP-19
26(EXP)		9139.7	308378.5	3.0		11513.0	307989.8	3.7	B31.12-IP-19
27(EXP)		32121.3	308378.5	10.4		40379.3	307989.8	13.1	B31.12-IP-19
28(EXP)		44952.1	308378.5	14.6		56406.1	307989.8	18.3	B31.12-IP-19
42(OCC)		34705.0	183400.5	18.9		34961.2	183400.5	19.1	B31.12-IP-19
43(OCC)		34698.9	183400.5	18.9		34927.6	183400.5	19.0	B31.12-IP-19
44(OCC)		34767.9	183400.5	19.0		35005.0	183400.5	19.1	B31.12-IP-19
45(OCC)		34797.5	183400.5	19.0		34989.2	183400.5	19.1	B31.12-IP-19
46(OCC)		34659.1	183400.5	18.9		34912.5	183400.5	19.0	B31.12-IP-19
47(OCC)		37245.9	183400.5	20.3		38165.8	183400.5	20.8	B31.12-IP-19
48(OCC)		37515.4	183400.5	20.5		38156.9	183400.5	20.8	B31.12-IP-19
49(OCC)		35353.4	183400.5	19.3		35564.7	183400.5	19.4	B31.12-IP-19
50(OCC)		37536.0	183400.5	20.5		37447.6	183400.5	20.4	B31.12-IP-19
51(OCC)		37221.2	183400.5	20.3		38331.9	183400.5	20.9	B31.12-IP-19
52(OCC)		37791.1	183400.5	20.6		38317.2	183400.5	20.9	B31.12-IP-19
53(OCC)		34830.3	183400.5	19.0		35135.6	183400.5	19.2	B31.12-IP-19
54(OCC)		35151.3	183400.5	19.2		35249.9	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	80	35851.7	137895.1	26.0	90	43147.9	137895.1	31.3	B31.12-IP-19
4(Alt-SUS)		34979.8	137895.1	25.4		38239.5	137895.1	27.7	B31.12-IP-19
6(Alt-SUS)		34702.7	137895.1	25.2		36374.1	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		34729.8	137895.1	25.2		36551.3	137895.1	26.5	B31.12-IP-19
14(SUS)		34703.3	137895.1	25.2		36352.1	137895.1	26.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		28595.9	308886.1	9.3		55455.3	301590.0	18.4	B31.12-IP-19
25(EXP)		8427.5	308886.1	2.7		14793.2	301590.0	4.9	B31.12-IP-19
26(EXP)		6057.6	308886.1	2.0		10739.7	301590.0	3.6	B31.12-IP-19
27(EXP)		21184.7	308886.1	6.9		37027.8	301590.0	12.3	B31.12-IP-19
28(EXP)		29612.2	308886.1	9.6		51814.8	301590.0	17.2	B31.12-IP-19
42(OCC)		34783.2	183400.5	19.0		36466.8	183400.5	19.9	B31.12-IP-19
43(OCC)		34775.3	183400.5	19.0		36523.3	183400.5	19.9	B31.12-IP-19
44(OCC)		34808.5	183400.5	19.0		37068.1	183400.5	20.2	B31.12-IP-19
45(OCC)		34797.1	183400.5	19.0		37089.1	183400.5	20.2	B31.12-IP-19
46(OCC)		34775.3	183400.5	19.0		36636.1	183400.5	20.0	B31.12-IP-19
47(OCC)		36632.3	183400.5	20.0		38487.2	183400.5	21.0	B31.12-IP-19
48(OCC)		36674.7	183400.5	20.0		37792.5	183400.5	20.6	B31.12-IP-19
49(OCC)		35389.0	183400.5	19.3		38360.3	183400.5	20.9	B31.12-IP-19
50(OCC)		37276.4	183400.5	20.3		41915.0	183400.5	22.9	B31.12-IP-19
51(OCC)		36717.6	183400.5	20.0		37772.6	183400.5	20.6	B31.12-IP-19
52(OCC)		36763.8	183400.5	20.0		39405.2	183400.5	21.5	B31.12-IP-19
53(OCC)		34891.5	183400.5	19.0		37220.5	183400.5	20.3	B31.12-IP-19
54(OCC)		35066.3	183400.5	19.1		39095.9	183400.5	21.3	B31.12-IP-19
2(Alt-SUS)	90	43071.3	137895.1	31.2	95	35809.4	137895.1	26.0	B31.12-IP-19
4(Alt-SUS)		38240.8	137895.1	27.7		35582.3	137895.1	25.8	B31.12-IP-19
6(Alt-SUS)		36378.1	137895.1	26.4		36235.4	137895.1	26.3	B31.12-IP-19
8(Alt-SUS)		36555.6	137895.1	26.5		36171.7	137895.1	26.2	B31.12-IP-19
14(SUS)		36367.3	137895.1	26.4		36279.9	137895.1	26.3	B31.12-IP-19
24(EXP)		55455.3	301666.6	18.4		50583.6	308457.9	16.4	B31.12-IP-19
25(EXP)		14793.2	301666.6	4.9		15083.0	308457.9	4.9	B31.12-IP-19
26(EXP)		10739.7	301666.6	3.6		10827.8	308457.9	3.5	B31.12-IP-19
27(EXP)		37027.8	301666.6	12.3		37917.3	308457.9	12.3	B31.12-IP-19
28(EXP)		51814.8	301666.6	17.2		52998.7	308457.9	17.2	B31.12-IP-19
42(OCC)		36489.4	183400.5	19.9		36364.7	183400.5	19.8	B31.12-IP-19
43(OCC)		36548.6	183400.5	19.9		36454.1	183400.5	19.9	B31.12-IP-19
44(OCC)		37098.6	183400.5	20.2		36755.7	183400.5	20.0	B31.12-IP-19
45(OCC)		37116.1	183400.5	20.2		36773.5	183400.5	20.1	B31.12-IP-19
46(OCC)		36654.4	183400.5	20.0		36393.8	183400.5	19.8	B31.12-IP-19
47(OCC)		38609.6	183400.5	21.1		37140.2	183400.5	20.3	B31.12-IP-19
48(OCC)		37896.3	183400.5	20.7		38596.8	183400.5	21.0	B31.12-IP-19
49(OCC)		38437.2	183400.5	21.0		38588.2	183400.5	21.0	B31.12-IP-19
50(OCC)		41977.0	183400.5	22.9		40167.9	183400.5	21.9	B31.12-IP-19
51(OCC)		37863.6	183400.5	20.6		38242.7	183400.5	20.9	B31.12-IP-19
52(OCC)		39497.3	183400.5	21.5		37412.8	183400.5	20.4	B31.12-IP-19
53(OCC)		37260.7	183400.5	20.3		37530.6	183400.5	20.5	B31.12-IP-19
54(OCC)		39143.1	183400.5	21.3		37947.7	183400.5	20.7	B31.12-IP-19
2(Alt-SUS)	95	35809.4	137895.1	26.0	100	47150.3	137895.1	34.2	B31.12-IP-19
4(Alt-SUS)		35582.3	137895.1	25.8		35133.3	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		36235.4	137895.1	26.3		37871.3	137895.1	27.5	B31.12-IP-19
8(Alt-SUS)		36171.7	137895.1	26.2		37496.2	137895.1	27.2	B31.12-IP-19
14(SUS)		36279.9	137895.1	26.3		38006.1	137895.1	27.6	B31.12-IP-19
24(EXP)		50583.6	308457.9	16.4		113361.0	297587.6	38.1	B31.12-IP-19
25(EXP)		15083.0	308457.9	4.9		36016.3	297587.6	12.1	B31.12-IP-19
26(EXP)		10827.8	308457.9	3.5		25662.1	297587.6	8.6	B31.12-IP-19
27(EXP)		37917.3	308457.9	12.3		90725.0	297587.6	30.5	B31.12-IP-19
28(EXP)		52998.7	308457.9	17.2		126740.3	297587.6	42.6	B31.12-IP-19
42(OCC)		36364.7	183400.5	19.8		38122.2	183400.5	20.8	B31.12-IP-19
43(OCC)		36454.1	183400.5	19.9		38639.0	183400.5	21.1	B31.12-IP-19
44(OCC)		36755.7	183400.5	20.0		38699.1	183400.5	21.1	B31.12-IP-19
45(OCC)		36773.5	183400.5	20.1		38620.9	183400.5	21.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		36393.8	183400.5	19.8		38538.5	183400.5	21.0	B31.12-IP-19
47(OCC)		37140.2	183400.5	20.3		39509.5	183400.5	21.5	B31.12-IP-19
48(OCC)		38596.8	183400.5	21.0		44914.3	183400.5	24.5	B31.12-IP-19
49(OCC)		38588.2	183400.5	21.0		42754.9	183400.5	23.3	B31.12-IP-19
50(OCC)		40167.9	183400.5	21.9		46336.4	183400.5	25.3	B31.12-IP-19
51(OCC)		38242.7	183400.5	20.9		42704.6	183400.5	23.3	B31.12-IP-19
52(OCC)		37412.8	183400.5	20.4		41421.4	183400.5	22.6	B31.12-IP-19
53(OCC)		37530.6	183400.5	20.5		40849.7	183400.5	22.3	B31.12-IP-19
54(OCC)		37947.7	183400.5	20.7		40567.6	183400.5	22.1	B31.12-IP-19
2(Alt-SUS)	100	36197.9	137895.1	26.3	108	35949.3	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		38568.6	137895.1	28.0		34986.2	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		40854.3	137895.1	29.6		35712.3	137895.1	25.9	B31.12-IP-19
8(Alt-SUS)		40630.3	137895.1	29.5		35641.3	137895.1	25.8	B31.12-IP-19
14(SUS)		40878.1	137895.1	29.6		35718.7	137895.1	25.9	B31.12-IP-19
24(EXP)		20824.4	303859.8	6.9		8740.0	308788.6	2.8	B31.12-IP-19
25(EXP)		8098.2	303859.8	2.7		3084.7	308788.6	1.0	B31.12-IP-19
26(EXP)		5650.3	303859.8	1.9		2039.5	308788.6	0.7	B31.12-IP-19
27(EXP)		20492.5	303859.8	6.7		7558.0	308788.6	2.4	B31.12-IP-19
28(EXP)		28589.6	303859.8	9.4		10642.3	308788.6	3.4	B31.12-IP-19
42(OCC)		41020.7	183400.5	22.4		35797.7	183400.5	19.5	B31.12-IP-19
43(OCC)		41150.7	183400.5	22.4		35852.6	183400.5	19.5	B31.12-IP-19
44(OCC)		41466.1	183400.5	22.6		35928.9	183400.5	19.6	B31.12-IP-19
45(OCC)		41407.1	183400.5	22.6		35881.5	183400.5	19.6	B31.12-IP-19
46(OCC)		41202.4	183400.5	22.5		35860.4	183400.5	19.6	B31.12-IP-19
47(OCC)		47185.9	183400.5	25.7		38509.3	183400.5	21.0	B31.12-IP-19
48(OCC)		43609.2	183400.5	23.8		37712.2	183400.5	20.6	B31.12-IP-19
49(OCC)		46628.0	183400.5	25.4		38860.9	183400.5	21.2	B31.12-IP-19
50(OCC)		50819.3	183400.5	27.7		42017.6	183400.5	22.9	B31.12-IP-19
51(OCC)		42411.5	183400.5	23.1		37777.6	183400.5	20.6	B31.12-IP-19
52(OCC)		46165.4	183400.5	25.2		38214.0	183400.5	20.8	B31.12-IP-19
53(OCC)		44795.4	183400.5	24.4		36496.5	183400.5	19.9	B31.12-IP-19
54(OCC)		44081.3	183400.5	24.0		36249.2	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	108	36853.1	137895.1	26.7	109	39259.5	137895.1	28.5	B31.12-IP-19
4(Alt-SUS)		35300.7	137895.1	25.6		37241.4	137895.1	27.0	B31.12-IP-19
6(Alt-SUS)		36519.6	137895.1	26.5		36372.2	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		36400.9	137895.1	26.4		36463.0	137895.1	26.4	B31.12-IP-19
14(SUS)		36526.2	137895.1	26.5		36351.0	137895.1	26.4	B31.12-IP-19
24(EXP)		22582.1	307884.8	7.3		27994.6	305478.4	9.2	B31.12-IP-19
25(EXP)		6498.3	307884.8	2.1		7578.6	305478.4	2.5	B31.12-IP-19
26(EXP)		4493.8	307884.8	1.5		5056.1	305478.4	1.7	B31.12-IP-19
27(EXP)		16045.8	307884.8	5.2		18226.8	305478.4	6.0	B31.12-IP-19
28(EXP)		22543.6	307884.8	7.3		25804.8	305478.4	8.4	B31.12-IP-19
42(OCC)		36654.4	183400.5	20.0		36496.7	183400.5	19.9	B31.12-IP-19
43(OCC)		36726.7	183400.5	20.0		36530.8	183400.5	19.9	B31.12-IP-19
44(OCC)		36853.7	183400.5	20.1		36873.2	183400.5	20.1	B31.12-IP-19
45(OCC)		36768.2	183400.5	20.0		36874.2	183400.5	20.1	B31.12-IP-19
46(OCC)		36722.4	183400.5	20.0		36481.8	183400.5	19.9	B31.12-IP-19
47(OCC)		40907.1	183400.5	22.3		39049.8	183400.5	21.3	B31.12-IP-19
48(OCC)		38796.3	183400.5	21.2		39671.1	183400.5	21.6	B31.12-IP-19
49(OCC)		39774.0	183400.5	21.7		39787.0	183400.5	21.7	B31.12-IP-19
50(OCC)		43690.0	183400.5	23.8		44699.1	183400.5	24.4	B31.12-IP-19
51(OCC)		39286.4	183400.5	21.4		40267.3	183400.5	22.0	B31.12-IP-19
52(OCC)		40298.8	183400.5	22.0		38677.0	183400.5	21.1	B31.12-IP-19
53(OCC)		37800.5	183400.5	20.6		38144.8	183400.5	20.8	B31.12-IP-19
54(OCC)		37267.6	183400.5	20.3		38061.5	183400.5	20.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	109	39259.5	137895.1	28.5	110	38941.6	137895.1	28.2	B31.12-IP-19
4(Alt-SUS)		37241.4	137895.1	27.0		39114.6	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		36372.2	137895.1	26.4		39106.8	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		36463.0	137895.1	26.4		39117.1	137895.1	28.4	B31.12-IP-19
14(SUS)		36351.0	137895.1	26.4		39076.8	137895.1	28.3	B31.12-IP-19
24(EXP)		27994.6	305478.4	9.2		19488.6	305620.8	6.4	B31.12-IP-19
25(EXP)		7578.6	305478.4	2.5		4655.9	305620.8	1.5	B31.12-IP-19
26(EXP)		5056.1	305478.4	1.7		3229.6	305620.8	1.1	B31.12-IP-19
27(EXP)		18226.8	305478.4	6.0		11370.6	305620.8	3.7	B31.12-IP-19
28(EXP)		25804.8	305478.4	8.4		16017.6	305620.8	5.2	B31.12-IP-19
42(OCC)		36496.7	183400.5	19.9		39276.8	183400.5	21.4	B31.12-IP-19
43(OCC)		36530.8	183400.5	19.9		39235.1	183400.5	21.4	B31.12-IP-19
44(OCC)		36873.2	183400.5	20.1		39672.8	183400.5	21.6	B31.12-IP-19
45(OCC)		36874.2	183400.5	20.1		39680.4	183400.5	21.6	B31.12-IP-19
46(OCC)		36481.8	183400.5	19.9		39111.7	183400.5	21.3	B31.12-IP-19
47(OCC)		39049.8	183400.5	21.3		44590.8	183400.5	24.3	B31.12-IP-19
48(OCC)		39671.1	183400.5	21.6		44119.9	183400.5	24.1	B31.12-IP-19
49(OCC)		39787.0	183400.5	21.7		42330.4	183400.5	23.1	B31.12-IP-19
50(OCC)		44699.1	183400.5	24.4		51616.3	183400.5	28.1	B31.12-IP-19
51(OCC)		40267.3	183400.5	22.0		44700.0	183400.5	24.4	B31.12-IP-19
52(OCC)		38677.0	183400.5	21.1		44033.2	183400.5	24.0	B31.12-IP-19
53(OCC)		38144.8	183400.5	20.8		42658.7	183400.5	23.3	B31.12-IP-19
54(OCC)		38061.5	183400.5	20.8		41666.2	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	110	37180.1	137895.1	27.0	120	37207.8	137895.1	27.0	B31.12-IP-19
4(Alt-SUS)		37285.2	137895.1	27.0		37405.1	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37283.1	137895.1	27.0		37440.5	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		37288.9	137895.1	27.0		37442.5	137895.1	27.2	B31.12-IP-19
14(SUS)		37266.6	137895.1	27.0		37424.5	137895.1	27.1	B31.12-IP-19
24(EXP)		10826.1	307448.9	3.5		10907.1	307295.3	3.5	B31.12-IP-19
25(EXP)		2667.4	307448.9	0.9		2668.2	307295.3	0.9	B31.12-IP-19
26(EXP)		1854.2	307448.9	0.6		1869.8	307295.3	0.6	B31.12-IP-19
27(EXP)		6610.5	307448.9	2.2		6643.1	307295.3	2.2	B31.12-IP-19
28(EXP)		9275.3	307448.9	3.0		9308.6	307295.3	3.0	B31.12-IP-19
42(OCC)		37376.2	183400.5	20.4		37534.5	183400.5	20.5	B31.12-IP-19
43(OCC)		37356.1	183400.5	20.4		37513.7	183400.5	20.5	B31.12-IP-19
44(OCC)		37619.8	183400.5	20.5		37774.0	183400.5	20.6	B31.12-IP-19
45(OCC)		37614.3	183400.5	20.5		37767.9	183400.5	20.6	B31.12-IP-19
46(OCC)		37285.6	183400.5	20.3		37443.9	183400.5	20.4	B31.12-IP-19
47(OCC)		40397.2	183400.5	22.0		40648.0	183400.5	22.2	B31.12-IP-19
48(OCC)		40955.7	183400.5	22.3		41181.6	183400.5	22.5	B31.12-IP-19
49(OCC)		39724.9	183400.5	21.7		39828.1	183400.5	21.7	B31.12-IP-19
50(OCC)		44922.7	183400.5	24.5		45125.0	183400.5	24.6	B31.12-IP-19
51(OCC)		41260.0	183400.5	22.5		41479.0	183400.5	22.6	B31.12-IP-19
52(OCC)		40095.8	183400.5	21.9		40338.0	183400.5	22.0	B31.12-IP-19
53(OCC)		39566.0	183400.5	21.6		39791.0	183400.5	21.7	B31.12-IP-19
54(OCC)		39000.4	183400.5	21.3		39188.4	183400.5	21.4	B31.12-IP-19
2(Alt-SUS)	120	0.0	0.0	0.0	130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	130	0.0	0.0	0.0	140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	140	0.0	0.0	0.0	150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	150	53047.3	137895.1	38.5	160	56214.0	137895.1	40.8	B31.12-IP-19
4(Alt-SUS)		44262.0	137895.1	32.1		46822.1	137895.1	34.0	B31.12-IP-19
6(Alt-SUS)		40772.2	137895.1	29.6		43085.5	137895.1	31.2	B31.12-IP-19
8(Alt-SUS)		41112.1	137895.1	29.8		43449.9	137895.1	31.5	B31.12-IP-19
14(SUS)		40738.9	137895.1	29.5		43048.5	137895.1	31.2	B31.12-IP-19
24(EXP)		68281.0	291690.5	23.4		72896.2	288523.8	25.3	B31.12-IP-19
25(EXP)		20072.4	291690.5	6.9		21463.9	288523.8	7.4	B31.12-IP-19
26(EXP)		14106.3	291690.5	4.8		15071.3	288523.8	5.2	B31.12-IP-19
27(EXP)		50308.6	291690.5	17.2		53770.7	288523.8	18.6	B31.12-IP-19
28(EXP)		70380.6	291690.5	24.1		75234.1	288523.8	26.1	B31.12-IP-19
42(OCC)		41193.0	183400.5	22.5		43573.0	183400.5	23.8	B31.12-IP-19
43(OCC)		41197.3	183400.5	22.5		43575.6	183400.5	23.8	B31.12-IP-19
44(OCC)		41266.7	183400.5	22.5		43611.4	183400.5	23.8	B31.12-IP-19
45(OCC)		41179.8	183400.5	22.5		43522.6	183400.5	23.7	B31.12-IP-19
46(OCC)		41214.9	183400.5	22.5		43557.7	183400.5	23.8	B31.12-IP-19
47(OCC)		48947.1	183400.5	26.7		53459.3	183400.5	29.1	B31.12-IP-19
48(OCC)		48049.1	183400.5	26.2		52060.1	183400.5	28.4	B31.12-IP-19
49(OCC)		45232.1	183400.5	24.7		48408.1	183400.5	26.4	B31.12-IP-19
50(OCC)		44275.6	183400.5	24.1		47180.2	183400.5	25.7	B31.12-IP-19
51(OCC)		48809.0	183400.5	26.6		53039.7	183400.5	28.9	B31.12-IP-19
52(OCC)		49718.3	183400.5	27.1		54278.4	183400.5	29.6	B31.12-IP-19
53(OCC)		44842.1	183400.5	24.5		48273.3	183400.5	26.3	B31.12-IP-19
54(OCC)		47564.1	183400.5	25.9		51140.7	183400.5	27.9	B31.12-IP-19
2(Alt-SUS)	160	56205.1	137895.1	40.8	170	68482.2	137895.1	49.7	B31.12-IP-19
4(Alt-SUS)		46812.8	137895.1	33.9		52277.5	137895.1	37.9	B31.12-IP-19
6(Alt-SUS)		43076.2	137895.1	31.2		45826.0	137895.1	33.2	B31.12-IP-19
8(Alt-SUS)		43441.7	137895.1	31.5		46456.9	137895.1	33.7	B31.12-IP-19
14(SUS)		43030.6	137895.1	31.2		45749.2	137895.1	33.2	B31.12-IP-19
24(EXP)		72896.2	288532.7	25.3		133696.6	276255.7	48.4	B31.12-IP-19
25(EXP)		21463.9	288532.7	7.4		41017.5	276255.7	14.8	B31.12-IP-19
26(EXP)		15071.3	288532.7	5.2		28651.6	276255.7	10.4	B31.12-IP-19
27(EXP)		53770.7	288532.7	18.6		103033.3	276255.7	37.3	B31.12-IP-19
28(EXP)		75234.1	288532.7	26.1		144049.6	276255.7	52.1	B31.12-IP-19
42(OCC)		43557.6	183400.5	23.7		46419.9	183400.5	25.3	B31.12-IP-19
43(OCC)		43592.1	183400.5	23.8		46497.3	183400.5	25.4	B31.12-IP-19
44(OCC)		43593.5	183400.5	23.8		46547.7	183400.5	25.4	B31.12-IP-19
45(OCC)		43516.0	183400.5	23.7		46404.5	183400.5	25.3	B31.12-IP-19
46(OCC)		43538.9	183400.5	23.7		46622.0	183400.5	25.4	B31.12-IP-19
47(OCC)		53590.9	183400.5	29.2		59267.1	183400.5	32.3	B31.12-IP-19
48(OCC)		52398.4	183400.5	28.6		55886.6	183400.5	30.5	B31.12-IP-19
49(OCC)		51939.7	183400.5	28.3		53624.7	183400.5	29.2	B31.12-IP-19
50(OCC)		48796.8	183400.5	26.6		53947.6	183400.5	29.4	B31.12-IP-19
51(OCC)		54900.9	183400.5	29.9		59899.6	183400.5	32.7	B31.12-IP-19
52(OCC)		56384.5	183400.5	30.7		62349.6	183400.5	34.0	B31.12-IP-19
53(OCC)		50119.0	183400.5	27.3		56932.5	183400.5	31.0	B31.12-IP-19
54(OCC)		54997.6	183400.5	30.0		57772.5	183400.5	31.5	B31.12-IP-19
2(Alt-SUS)	170	68404.0	137895.1	49.6	180	45948.8	137895.1	33.3	B31.12-IP-19
4(Alt-SUS)		52296.7	137895.1	37.9		39989.2	137895.1	29.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		45883.6	137895.1	33.3		37626.5	137895.1	27.3	B31.12-IP-19
8(Alt-SUS)		46511.1	137895.1	33.7		37858.2	137895.1	27.5	B31.12-IP-19
14(SUS)		45805.7	137895.1	33.2		37593.6	137895.1	27.3	B31.12-IP-19
24(EXP)		143525.5	276333.9	51.9		46859.5	298789.0	15.7	B31.12-IP-19
25(EXP)		43279.6	276333.9	15.7		13496.5	298789.0	4.5	B31.12-IP-19
26(EXP)		30289.1	276333.9	11.0		9447.5	298789.0	3.2	B31.12-IP-19
27(EXP)		108587.0	276333.9	39.3		33800.2	298789.0	11.3	B31.12-IP-19
28(EXP)		151865.6	276333.9	55.0		47296.4	298789.0	15.8	B31.12-IP-19
42(OCC)		46460.2	183400.5	25.3		37863.5	183400.5	20.6	B31.12-IP-19
43(OCC)		46551.6	183400.5	25.4		37916.0	183400.5	20.7	B31.12-IP-19
44(OCC)		46536.9	183400.5	25.4		37938.7	183400.5	20.7	B31.12-IP-19
45(OCC)		46372.6	183400.5	25.3		37873.3	183400.5	20.7	B31.12-IP-19
46(OCC)		46672.7	183400.5	25.4		37916.3	183400.5	20.7	B31.12-IP-19
47(OCC)		58171.9	183400.5	31.7		42674.2	183400.5	23.3	B31.12-IP-19
48(OCC)		56045.9	183400.5	30.6		42937.5	183400.5	23.4	B31.12-IP-19
49(OCC)		52103.9	183400.5	28.4		44561.8	183400.5	24.3	B31.12-IP-19
50(OCC)		53827.3	183400.5	29.3		43428.7	183400.5	23.7	B31.12-IP-19
51(OCC)		58199.8	183400.5	31.7		44251.4	183400.5	24.1	B31.12-IP-19
52(OCC)		62155.4	183400.5	33.9		45049.0	183400.5	24.6	B31.12-IP-19
53(OCC)		57124.8	183400.5	31.1		44593.7	183400.5	24.3	B31.12-IP-19
54(OCC)		57266.6	183400.5	31.2		43386.2	183400.5	23.7	B31.12-IP-19
2(Alt-SUS)	180	0.0	0.0	0.0	190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	190	0.0	0.0	0.0	200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	200	0.0	0.0	0.0	210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	210	0.0	0.0	0.0	220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	200	0.0	0.0	0.0	230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	100	43758.5	137895.1	31.7	240	34860.3	137895.1	25.3	B31.12-IP-19
4(Alt-SUS)		34188.7	137895.1	24.8		30942.4	137895.1	22.4	B31.12-IP-19
6(Alt-SUS)		32291.2	137895.1	23.4		29960.6	137895.1	21.7	B31.12-IP-19
8(Alt-SUS)		32431.9	137895.1	23.5		30041.6	137895.1	21.8	B31.12-IP-19
14(SUS)		32176.1	137895.1	23.3		29900.3	137895.1	21.7	B31.12-IP-19
24(EXP)		174868.4	300979.3	58.1		62998.4	309877.6	20.3	B31.12-IP-19
25(EXP)		56372.5	300979.3	18.7		19412.6	309877.6	6.3	B31.12-IP-19
26(EXP)		39582.6	300979.3	13.2		13719.9	309877.6	4.4	B31.12-IP-19
27(EXP)		140769.2	300979.3	46.8		48620.7	309877.6	15.7	B31.12-IP-19
28(EXP)		197140.9	300979.3	65.5		68032.8	309877.6	22.0	B31.12-IP-19
42(OCC)		32567.2	183400.5	17.8		30119.4	183400.5	16.4	B31.12-IP-19
43(OCC)		32828.4	183400.5	17.9		30287.7	183400.5	16.5	B31.12-IP-19
44(OCC)		32665.4	183400.5	17.8		30084.4	183400.5	16.4	B31.12-IP-19
45(OCC)		32616.1	183400.5	17.8		30050.5	183400.5	16.4	B31.12-IP-19
46(OCC)		32617.2	183400.5	17.8		30167.7	183400.5	16.4	B31.12-IP-19
47(OCC)		43740.3	183400.5	23.8		36377.8	183400.5	19.8	B31.12-IP-19
48(OCC)		41521.5	183400.5	22.6		35166.1	183400.5	19.2	B31.12-IP-19
49(OCC)		46241.3	183400.5	25.2		35048.8	183400.5	19.1	B31.12-IP-19
50(OCC)		62695.3	183400.5	34.2		41814.5	183400.5	22.8	B31.12-IP-19
51(OCC)		40141.3	183400.5	21.9		34267.4	183400.5	18.7	B31.12-IP-19
52(OCC)		44933.9	183400.5	24.5		36934.0	183400.5	20.1	B31.12-IP-19
53(OCC)		35434.6	183400.5	19.3		31984.6	183400.5	17.4	B31.12-IP-19
54(OCC)		36486.5	183400.5	19.9		32000.3	183400.5	17.4	B31.12-IP-19
2(Alt-SUS)	240	34860.3	137895.1	25.3	250	36288.4	137895.1	26.3	B31.12-IP-19
4(Alt-SUS)		30942.4	137895.1	22.4		24920.9	137895.1	18.1	B31.12-IP-19
6(Alt-SUS)		29960.6	137895.1	21.7		21067.0	137895.1	15.3	B31.12-IP-19
8(Alt-SUS)		30041.6	137895.1	21.8		21407.5	137895.1	15.5	B31.12-IP-19
14(SUS)		29900.3	137895.1	21.7		20891.8	137895.1	15.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		62998.4	309877.6	20.3		176069.9	308449.4	57.1	B31.12-IP-19
25(EXP)		19412.6	309877.6	6.3		52630.7	308449.4	17.1	B31.12-IP-19
26(EXP)		13719.9	309877.6	4.4		37257.7	308449.4	12.1	B31.12-IP-19
27(EXP)		48620.7	309877.6	15.7		131992.6	308449.4	42.8	B31.12-IP-19
28(EXP)		68032.8	309877.6	22.0		184621.8	308449.4	59.9	B31.12-IP-19
42(OCC)		30119.4	183400.5	16.4		21502.9	183400.5	11.7	B31.12-IP-19
43(OCC)		30287.7	183400.5	16.5		22006.7	183400.5	12.0	B31.12-IP-19
44(OCC)		30084.4	183400.5	16.4		21328.1	183400.5	11.6	B31.12-IP-19
45(OCC)		30050.5	183400.5	16.4		21219.1	183400.5	11.6	B31.12-IP-19
46(OCC)		30167.7	183400.5	16.4		21659.3	183400.5	11.8	B31.12-IP-19
47(OCC)		36377.8	183400.5	19.8		40877.0	183400.5	22.3	B31.12-IP-19
48(OCC)		35166.1	183400.5	19.2		35601.1	183400.5	19.4	B31.12-IP-19
49(OCC)		35048.8	183400.5	19.1		31542.5	183400.5	17.2	B31.12-IP-19
50(OCC)		41814.5	183400.5	22.8		49874.4	183400.5	27.2	B31.12-IP-19
51(OCC)		34267.4	183400.5	18.7		32984.1	183400.5	18.0	B31.12-IP-19
52(OCC)		36934.0	183400.5	20.1		42842.5	183400.5	23.4	B31.12-IP-19
53(OCC)		31984.6	183400.5	17.4		28483.8	183400.5	15.5	B31.12-IP-19
54(OCC)		32000.3	183400.5	17.4		28099.9	183400.5	15.3	B31.12-IP-19
2(Alt-SUS)	250	0.0	0.0	0.0	260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	260	0.0	0.0	0.0	270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	270	0.0	0.0	0.0	280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	280	23704.4	137895.1	17.2	290	35717.3	137895.1	25.9	B31.12-IP-19
4(Alt-SUS)		27035.3	137895.1	19.6		47501.1	137895.1	34.4	B31.12-IP-19
6(Alt-SUS)		22950.5	137895.1	16.6		36911.6	137895.1	26.8	B31.12-IP-19
8(Alt-SUS)		23350.0	137895.1	16.9		37953.5	137895.1	27.5	B31.12-IP-19
14(SUS)		22983.9	137895.1	16.7		37064.9	137895.1	26.9	B31.12-IP-19
24(EXP)		69053.7	317702.6	21.7		155557.9	297236.7	52.3	B31.12-IP-19
25(EXP)		17624.8	317702.6	5.5		46959.0	297236.7	15.8	B31.12-IP-19
26(EXP)		13510.1	317702.6	4.3		35855.0	297236.7	12.1	B31.12-IP-19
27(EXP)		45252.2	317702.6	14.2		119709.8	297236.7	40.3	B31.12-IP-19
28(EXP)		62875.7	317702.6	19.8		166660.1	297236.7	56.1	B31.12-IP-19
42(OCC)		23489.8	183400.5	12.8		38762.6	183400.5	21.1	B31.12-IP-19
43(OCC)		23274.4	183400.5	12.7		37482.8	183400.5	20.4	B31.12-IP-19
44(OCC)		23860.8	183400.5	13.0		39264.3	183400.5	21.4	B31.12-IP-19
45(OCC)		23690.2	183400.5	12.9		38817.5	183400.5	21.2	B31.12-IP-19
46(OCC)		23766.7	183400.5	13.0		38923.7	183400.5	21.2	B31.12-IP-19
47(OCC)		27350.0	183400.5	14.9		40806.6	183400.5	22.3	B31.12-IP-19
48(OCC)		29415.3	183400.5	16.0		61891.6	183400.5	33.7	B31.12-IP-19
49(OCC)		29500.6	183400.5	16.1		52132.1	183400.5	28.4	B31.12-IP-19
50(OCC)		27585.5	183400.5	15.0		47175.2	183400.5	25.7	B31.12-IP-19
51(OCC)		31866.6	183400.5	17.4		68609.7	183400.5	37.4	B31.12-IP-19
52(OCC)		28791.3	183400.5	15.7		40882.6	183400.5	22.3	B31.12-IP-19
53(OCC)		31675.5	183400.5	17.3		54738.5	183400.5	29.8	B31.12-IP-19
54(OCC)		32327.6	183400.5	17.6		57674.5	183400.5	31.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	290	0.0	0.0	0.0	300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	300	0.0	0.0	0.0	310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	310	0.0	0.0	0.0	320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	170	25612.2	137895.1	18.6	330	21642.1	137895.1	15.7	B31.12-IP-19
4(Alt-SUS)		24930.6	137895.1	18.1		21333.2	137895.1	15.5	B31.12-IP-19
6(Alt-SUS)		24633.8	137895.1	17.9		21202.6	137895.1	15.4	B31.12-IP-19
8(Alt-SUS)		24654.6	137895.1	17.9		21211.6	137895.1	15.4	B31.12-IP-19
14(SUS)		24673.7	137895.1	17.9		21221.9	137895.1	15.4	B31.12-IP-19
24(EXP)		99178.6	319125.7	31.1		33190.9	323095.8	10.3	B31.12-IP-19
25(EXP)		25621.3	319125.7	8.0		8522.9	323095.8	2.6	B31.12-IP-19
26(EXP)		18432.1	319125.7	5.8		6131.5	323095.8	1.9	B31.12-IP-19
27(EXP)		64729.8	319125.7	20.3		21546.0	323095.8	6.7	B31.12-IP-19
28(EXP)		90350.7	319125.7	28.3		30068.7	323095.8	9.3	B31.12-IP-19
42(OCC)		24817.9	183400.5	13.5		21293.7	183400.5	11.6	B31.12-IP-19
43(OCC)		25110.8	183400.5	13.7		21425.1	183400.5	11.7	B31.12-IP-19
44(OCC)		25185.5	183400.5	13.7		21419.4	183400.5	11.7	B31.12-IP-19
45(OCC)		25106.7	183400.5	13.7		21367.9	183400.5	11.7	B31.12-IP-19
46(OCC)		24720.1	183400.5	13.5		21245.2	183400.5	11.6	B31.12-IP-19
47(OCC)		38731.0	183400.5	21.1		27810.8	183400.5	15.2	B31.12-IP-19
48(OCC)		31357.5	183400.5	17.1		24676.1	183400.5	13.5	B31.12-IP-19
49(OCC)		31860.8	183400.5	17.4		24632.7	183400.5	13.4	B31.12-IP-19
50(OCC)		28397.1	183400.5	15.5		23126.2	183400.5	12.6	B31.12-IP-19
51(OCC)		35570.8	183400.5	19.4		26839.2	183400.5	14.6	B31.12-IP-19
52(OCC)		37249.6	183400.5	20.3		27031.2	183400.5	14.7	B31.12-IP-19
53(OCC)		27462.0	183400.5	15.0		22456.7	183400.5	12.2	B31.12-IP-19
54(OCC)		32930.1	183400.5	18.0		25283.1	183400.5	13.8	B31.12-IP-19
2(Alt-SUS)	330	21642.1	137895.1	15.7	338	19649.9	137895.1	14.2	B31.12-IP-19
4(Alt-SUS)		21333.2	137895.1	15.5		19563.2	137895.1	14.2	B31.12-IP-19
6(Alt-SUS)		21202.6	137895.1	15.4		19539.2	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21211.6	137895.1	15.4		19542.0	137895.1	14.2	B31.12-IP-19
14(SUS)		21221.9	137895.1	15.4		19538.4	137895.1	14.2	B31.12-IP-19
24(EXP)		33190.9	323095.8	10.3		43498.2	325087.9	13.4	B31.12-IP-19
25(EXP)		8522.9	323095.8	2.6		12145.6	325087.9	3.7	B31.12-IP-19
26(EXP)		6131.5	323095.8	1.9		8728.4	325087.9	2.7	B31.12-IP-19
27(EXP)		21546.0	323095.8	6.7		30521.4	325087.9	9.4	B31.12-IP-19
28(EXP)		30068.7	323095.8	9.3		42666.9	325087.9	13.1	B31.12-IP-19
42(OCC)		21293.7	183400.5	11.6		19563.4	183400.5	10.7	B31.12-IP-19
43(OCC)		21425.1	183400.5	11.7		19577.3	183400.5	10.7	B31.12-IP-19
44(OCC)		21419.4	183400.5	11.7		19613.5	183400.5	10.7	B31.12-IP-19
45(OCC)		21367.9	183400.5	11.7		19597.7	183400.5	10.7	B31.12-IP-19
46(OCC)		21245.2	183400.5	11.6		19550.7	183400.5	10.7	B31.12-IP-19
47(OCC)		27810.8	183400.5	15.2		20456.1	183400.5	11.2	B31.12-IP-19
48(OCC)		24676.1	183400.5	13.5		21131.5	183400.5	11.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		24632.7	183400.5	13.4		20799.4	183400.5	11.3	B31.12-IP-19
50(OCC)		23126.2	183400.5	12.6		20276.8	183400.5	11.1	B31.12-IP-19
51(OCC)		26839.2	183400.5	14.6		21155.9	183400.5	11.5	B31.12-IP-19
52(OCC)		27031.2	183400.5	14.7		20668.0	183400.5	11.3	B31.12-IP-19
53(OCC)		22456.7	183400.5	12.2		19893.7	183400.5	10.8	B31.12-IP-19
54(OCC)		25283.1	183400.5	13.8		21154.6	183400.5	11.5	B31.12-IP-19
2(Alt-SUS)	338	19922.3	137895.1	14.4	339	19866.5	137895.1	14.4	B31.12-IP-19
4(Alt-SUS)		19810.2	137895.1	14.4		19918.5	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19778.5	137895.1	14.3		19947.4	137895.1	14.5	B31.12-IP-19
8(Alt-SUS)		19782.1	137895.1	14.3		19945.0	137895.1	14.5	B31.12-IP-19
14(SUS)		19776.8	137895.1	14.3		19946.8	137895.1	14.5	B31.12-IP-19
24(EXP)		92940.0	324815.5	28.6		80832.0	324790.4	24.9	B31.12-IP-19
25(EXP)		25984.7	324815.5	8.0		22473.9	324790.4	6.9	B31.12-IP-19
26(EXP)		18674.9	324815.5	5.7		16159.3	324790.4	5.0	B31.12-IP-19
27(EXP)		65294.5	324815.5	20.1		56491.3	324790.4	17.4	B31.12-IP-19
28(EXP)		91279.3	324815.5	28.1		78965.2	324790.4	24.3	B31.12-IP-19
42(OCC)		19813.8	183400.5	10.8		19971.8	183400.5	10.9	B31.12-IP-19
43(OCC)		19828.9	183400.5	10.8		19973.9	183400.5	10.9	B31.12-IP-19
44(OCC)		19873.4	183400.5	10.8		20066.4	183400.5	10.9	B31.12-IP-19
45(OCC)		19852.2	183400.5	10.8		20056.3	183400.5	10.9	B31.12-IP-19
46(OCC)		19790.6	183400.5	10.8		19959.2	183400.5	10.9	B31.12-IP-19
47(OCC)		20818.5	183400.5	11.4		21437.2	183400.5	11.7	B31.12-IP-19
48(OCC)		21763.3	183400.5	11.9		21509.3	183400.5	11.7	B31.12-IP-19
49(OCC)		21621.2	183400.5	11.8		22044.4	183400.5	12.0	B31.12-IP-19
50(OCC)		20658.0	183400.5	11.3		20923.4	183400.5	11.4	B31.12-IP-19
51(OCC)		21910.9	183400.5	11.9		22731.4	183400.5	12.4	B31.12-IP-19
52(OCC)		21197.4	183400.5	11.6		20732.5	183400.5	11.3	B31.12-IP-19
53(OCC)		20136.3	183400.5	11.0		20420.6	183400.5	11.1	B31.12-IP-19
54(OCC)		22176.7	183400.5	12.1		22647.8	183400.5	12.3	B31.12-IP-19
2(Alt-SUS)	339	19866.5	137895.1	14.4	340	19204.1	137895.1	13.9	B31.12-IP-19
4(Alt-SUS)		19918.5	137895.1	14.4		19384.8	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19947.4	137895.1	14.5		19458.3	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19945.0	137895.1	14.5		19451.1	137895.1	14.1	B31.12-IP-19
14(SUS)		19946.8	137895.1	14.5		19459.1	137895.1	14.1	B31.12-IP-19
24(EXP)		80832.0	324790.4	24.9		21793.6	325278.7	6.7	B31.12-IP-19
25(EXP)		22473.9	324790.4	6.9		5611.2	325278.7	1.7	B31.12-IP-19
26(EXP)		16159.3	324790.4	5.0		4056.0	325278.7	1.2	B31.12-IP-19
27(EXP)		56491.3	324790.4	17.4		14147.7	325278.7	4.3	B31.12-IP-19
28(EXP)		78965.2	324790.4	24.3		19758.9	325278.7	6.1	B31.12-IP-19
42(OCC)		19971.8	183400.5	10.9		19479.7	183400.5	10.6	B31.12-IP-19
43(OCC)		19973.9	183400.5	10.9		19486.3	183400.5	10.6	B31.12-IP-19
44(OCC)		20066.4	183400.5	10.9		19529.5	183400.5	10.6	B31.12-IP-19
45(OCC)		20056.3	183400.5	10.9		19529.7	183400.5	10.6	B31.12-IP-19
46(OCC)		19959.2	183400.5	10.9		19471.2	183400.5	10.6	B31.12-IP-19
47(OCC)		21437.2	183400.5	11.7		21963.8	183400.5	12.0	B31.12-IP-19
48(OCC)		21509.3	183400.5	11.7		20990.3	183400.5	11.4	B31.12-IP-19
49(OCC)		22044.4	183400.5	12.0		21119.5	183400.5	11.5	B31.12-IP-19
50(OCC)		20923.4	183400.5	11.4		20262.3	183400.5	11.0	B31.12-IP-19
51(OCC)		22731.4	183400.5	12.4		22833.6	183400.5	12.5	B31.12-IP-19
52(OCC)		20732.5	183400.5	11.3		20821.5	183400.5	11.4	B31.12-IP-19
53(OCC)		20420.6	183400.5	11.1		20055.4	183400.5	10.9	B31.12-IP-19
54(OCC)		22647.8	183400.5	12.3		21467.2	183400.5	11.7	B31.12-IP-19
2(Alt-SUS)	340	19119.1	137895.1	13.9	345	19647.1	137895.1	14.2	B31.12-IP-19
4(Alt-SUS)		19253.1	137895.1	14.0		19674.3	137895.1	14.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		19307.3	137895.1	14.0		19693.7	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19302.0	137895.1	14.0		19691.0	137895.1	14.3	B31.12-IP-19
14(SUS)		19307.9	137895.1	14.0		19697.6	137895.1	14.3	B31.12-IP-19
24(EXP)		10197.6	325430.0	3.1		59800.2	325040.2	18.4	B31.12-IP-19
25(EXP)		2626.1	325430.0	0.8		17352.2	325040.2	5.3	B31.12-IP-19
26(EXP)		1897.7	325430.0	0.6		12441.3	325040.2	3.8	B31.12-IP-19
27(EXP)		6621.2	325430.0	2.0		43552.2	325040.2	13.4	B31.12-IP-19
28(EXP)		9247.3	325430.0	2.8		60904.3	325040.2	18.7	B31.12-IP-19
42(OCC)		19324.1	183400.5	10.5		19742.7	183400.5	10.8	B31.12-IP-19
43(OCC)		19326.9	183400.5	10.5		19779.6	183400.5	10.8	B31.12-IP-19
44(OCC)		19369.3	183400.5	10.6		19837.5	183400.5	10.8	B31.12-IP-19
45(OCC)		19367.0	183400.5	10.6		19819.8	183400.5	10.8	B31.12-IP-19
46(OCC)		19317.7	183400.5	10.5		19710.0	183400.5	10.7	B31.12-IP-19
47(OCC)		20928.1	183400.5	11.4		22682.5	183400.5	12.4	B31.12-IP-19
48(OCC)		20387.3	183400.5	11.1		22723.7	183400.5	12.4	B31.12-IP-19
49(OCC)		20612.6	183400.5	11.2		20823.0	183400.5	11.4	B31.12-IP-19
50(OCC)		19868.0	183400.5	10.8		19824.4	183400.5	10.8	B31.12-IP-19
51(OCC)		21521.1	183400.5	11.7		22398.7	183400.5	12.2	B31.12-IP-19
52(OCC)		20228.2	183400.5	11.0		22882.2	183400.5	12.5	B31.12-IP-19
53(OCC)		19757.8	183400.5	10.8		20290.9	183400.5	11.1	B31.12-IP-19
54(OCC)		20798.1	183400.5	11.3		20806.3	183400.5	11.3	B31.12-IP-19
2(Alt-SUS)	345	19645.9	137895.1	14.2	350	26781.7	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		19673.8	137895.1	14.3		26690.8	137895.1	19.4	B31.12-IP-19
6(Alt-SUS)		19693.7	137895.1	14.3		26662.9	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19691.1	137895.1	14.3		26667.5	137895.1	19.3	B31.12-IP-19
14(SUS)		19697.5	137895.1	14.3		26652.5	137895.1	19.3	B31.12-IP-19
24(EXP)		59800.2	325040.3	18.4		50593.5	317956.2	15.9	B31.12-IP-19
25(EXP)		17352.2	325040.3	5.3		11620.9	317956.2	3.7	B31.12-IP-19
26(EXP)		12441.3	325040.3	3.8		8463.6	317956.2	2.7	B31.12-IP-19
27(EXP)		43552.2	325040.3	13.4		29405.0	317956.2	9.2	B31.12-IP-19
28(EXP)		60904.3	325040.3	18.7		41025.8	317956.2	12.9	B31.12-IP-19
42(OCC)		19786.7	183400.5	10.8		27223.8	183400.5	14.8	B31.12-IP-19
43(OCC)		19807.0	183400.5	10.8		27120.1	183400.5	14.8	B31.12-IP-19
44(OCC)		19871.3	183400.5	10.8		26879.2	183400.5	14.7	B31.12-IP-19
45(OCC)		19862.7	183400.5	10.8		26851.3	183400.5	14.6	B31.12-IP-19
46(OCC)		19710.4	183400.5	10.7		26662.5	183400.5	14.5	B31.12-IP-19
47(OCC)		22929.1	183400.5	12.5		34003.8	183400.5	18.5	B31.12-IP-19
48(OCC)		23236.7	183400.5	12.7		38613.5	183400.5	21.1	B31.12-IP-19
49(OCC)		21226.9	183400.5	11.6		28872.6	183400.5	15.7	B31.12-IP-19
50(OCC)		20217.3	183400.5	11.0		33782.7	183400.5	18.4	B31.12-IP-19
51(OCC)		22732.6	183400.5	12.4		38699.1	183400.5	21.1	B31.12-IP-19
52(OCC)		23390.3	183400.5	12.8		34251.2	183400.5	18.7	B31.12-IP-19
53(OCC)		20933.7	183400.5	11.4		33774.2	183400.5	18.4	B31.12-IP-19
54(OCC)		21080.0	183400.5	11.5		28560.6	183400.5	15.6	B31.12-IP-19
2(Alt-SUS)	350	26781.7	137895.1	19.4	358	19283.0	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		26690.8	137895.1	19.4		19236.3	137895.1	13.9	B31.12-IP-19
6(Alt-SUS)		26662.9	137895.1	19.3		19218.8	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26667.5	137895.1	19.3		19220.8	137895.1	13.9	B31.12-IP-19
14(SUS)		26652.2	137895.1	19.3		19216.9	137895.1	13.9	B31.12-IP-19
24(EXP)		50593.5	317956.2	15.9		5394.0	325454.8	1.7	B31.12-IP-19
25(EXP)		11620.9	317956.2	3.7		1788.4	325454.8	0.5	B31.12-IP-19
26(EXP)		8463.6	317956.2	2.7		1317.2	325454.8	0.4	B31.12-IP-19
27(EXP)		29405.0	317956.2	9.2		4510.1	325454.8	1.4	B31.12-IP-19
28(EXP)		41025.8	317956.2	12.9		6298.5	325454.8	1.9	B31.12-IP-19
42(OCC)		27186.5	183400.5	14.8		19263.9	183400.5	10.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		27098.3	183400.5	14.8		19261.5	183400.5	10.5	B31.12-IP-19
44(OCC)		26868.0	183400.5	14.6		19503.1	183400.5	10.6	B31.12-IP-19
45(OCC)		26830.3	183400.5	14.6		19491.0	183400.5	10.6	B31.12-IP-19
46(OCC)		26661.8	183400.5	14.5		19223.3	183400.5	10.5	B31.12-IP-19
47(OCC)		33690.5	183400.5	18.4		20107.2	183400.5	11.0	B31.12-IP-19
48(OCC)		38272.2	183400.5	20.9		20295.0	183400.5	11.1	B31.12-IP-19
49(OCC)		28691.1	183400.5	15.6		23307.3	183400.5	12.7	B31.12-IP-19
50(OCC)		33937.2	183400.5	18.5		22927.2	183400.5	12.5	B31.12-IP-19
51(OCC)		38361.8	183400.5	20.9		20848.3	183400.5	11.4	B31.12-IP-19
52(OCC)		33903.9	183400.5	18.5		19944.1	183400.5	10.9	B31.12-IP-19
53(OCC)		33800.4	183400.5	18.4		23203.8	183400.5	12.7	B31.12-IP-19
54(OCC)		28445.3	183400.5	15.5		23246.6	183400.5	12.7	B31.12-IP-19
2(Alt-SUS)	358	19423.5	137895.1	14.1	359	23059.9	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19362.6	137895.1	14.0		23046.7	137895.1	16.7	B31.12-IP-19
6(Alt-SUS)		19339.7	137895.1	14.0		23045.9	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19342.3	137895.1	14.0		23047.7	137895.1	16.7	B31.12-IP-19
14(SUS)		19337.3	137895.1	14.0		23036.3	137895.1	16.7	B31.12-IP-19
24(EXP)		11283.9	325314.3	3.5		62477.6	321677.9	19.4	B31.12-IP-19
25(EXP)		3805.4	325314.3	1.2		15969.9	321677.9	5.0	B31.12-IP-19
26(EXP)		2804.0	325314.3	0.9		11654.2	321677.9	3.6	B31.12-IP-19
27(EXP)		9594.9	325314.3	2.9		40336.8	321677.9	12.5	B31.12-IP-19
28(EXP)		13400.3	325314.3	4.1		56306.6	321677.9	17.5	B31.12-IP-19
42(OCC)		19406.3	183400.5	10.6		23313.5	183400.5	12.7	B31.12-IP-19
43(OCC)		19403.9	183400.5	10.6		23241.9	183400.5	12.7	B31.12-IP-19
44(OCC)		19707.6	183400.5	10.7		23521.0	183400.5	12.8	B31.12-IP-19
45(OCC)		19692.2	183400.5	10.7		23448.4	183400.5	12.8	B31.12-IP-19
46(OCC)		19344.0	183400.5	10.5		23043.6	183400.5	12.6	B31.12-IP-19
47(OCC)		20604.0	183400.5	11.2		27368.8	183400.5	14.9	B31.12-IP-19
48(OCC)		20654.6	183400.5	11.3		31659.5	183400.5	17.3	B31.12-IP-19
49(OCC)		24606.4	183400.5	13.4		29976.3	183400.5	16.3	B31.12-IP-19
50(OCC)		24152.4	183400.5	13.2		25093.8	183400.5	13.7	B31.12-IP-19
51(OCC)		21668.9	183400.5	11.8		30423.7	183400.5	16.6	B31.12-IP-19
52(OCC)		20182.3	183400.5	11.0		28663.3	183400.5	15.6	B31.12-IP-19
53(OCC)		24540.9	183400.5	13.4		25631.2	183400.5	14.0	B31.12-IP-19
54(OCC)		24554.1	183400.5	13.4		29915.5	183400.5	16.3	B31.12-IP-19
2(Alt-SUS)	359	23059.9	137895.1	16.7	360	24638.4	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23046.7	137895.1	16.7		24666.6	137895.1	17.9	B31.12-IP-19
6(Alt-SUS)		23045.9	137895.1	16.7		24683.8	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23047.7	137895.1	16.7		24684.4	137895.1	17.9	B31.12-IP-19
14(SUS)		23036.3	137895.1	16.7		24671.6	137895.1	17.9	B31.12-IP-19
24(EXP)		62477.6	321677.9	19.4		85297.4	320053.5	26.7	B31.12-IP-19
25(EXP)		15969.9	321677.9	5.0		21021.4	320053.5	6.6	B31.12-IP-19
26(EXP)		11654.2	321677.9	3.6		15263.7	320053.5	4.8	B31.12-IP-19
27(EXP)		40336.8	321677.9	12.5		53069.3	320053.5	16.6	B31.12-IP-19
28(EXP)		56306.6	321677.9	17.5		74090.6	320053.5	23.1	B31.12-IP-19
42(OCC)		23313.5	183400.5	12.7		25041.8	183400.5	13.7	B31.12-IP-19
43(OCC)		23241.9	183400.5	12.7		24938.1	183400.5	13.6	B31.12-IP-19
44(OCC)		23521.0	183400.5	12.8		25137.6	183400.5	13.7	B31.12-IP-19
45(OCC)		23448.4	183400.5	12.8		25050.3	183400.5	13.7	B31.12-IP-19
46(OCC)		23043.6	183400.5	12.6		24679.5	183400.5	13.5	B31.12-IP-19
47(OCC)		27368.8	183400.5	14.9		31191.8	183400.5	17.0	B31.12-IP-19
48(OCC)		31659.5	183400.5	17.3		36677.9	183400.5	20.0	B31.12-IP-19
49(OCC)		29976.3	183400.5	16.3		32509.3	183400.5	17.7	B31.12-IP-19
50(OCC)		25093.8	183400.5	13.7		29345.4	183400.5	16.0	B31.12-IP-19
51(OCC)		30423.7	183400.5	16.6		36489.0	183400.5	19.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		28663.3	183400.5	15.6		31532.4	183400.5	17.2	B31.12-IP-19
53(OCC)		25631.2	183400.5	14.0		28843.2	183400.5	15.7	B31.12-IP-19
54(OCC)		29915.5	183400.5	16.3		32491.2	183400.5	17.7	B31.12-IP-19
2(Alt-SUS)	360	23352.2	137895.1	16.9	370	23596.2	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23367.7	137895.1	16.9		23608.2	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23378.3	137895.1	17.0		23617.6	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23379.1	137895.1	17.0		23618.5	137895.1	17.1	B31.12-IP-19
14(SUS)		23368.2	137895.1	16.9		23607.1	137895.1	17.1	B31.12-IP-19
24(EXP)		42468.6	321358.8	13.2		42707.6	321119.3	13.3	B31.12-IP-19
25(EXP)		10271.3	321358.8	3.2		10303.8	321119.3	3.2	B31.12-IP-19
26(EXP)		7444.1	321358.8	2.3		7464.2	321119.3	2.3	B31.12-IP-19
27(EXP)		25948.9	321358.8	8.1		26030.8	321119.3	8.1	B31.12-IP-19
28(EXP)		36220.2	321358.8	11.3		36334.6	321119.3	11.3	B31.12-IP-19
42(OCC)		23638.4	183400.5	12.9		23878.3	183400.5	13.0	B31.12-IP-19
43(OCC)		23549.2	183400.5	12.8		23786.5	183400.5	13.0	B31.12-IP-19
44(OCC)		23813.1	183400.5	13.0		24056.5	183400.5	13.1	B31.12-IP-19
45(OCC)		23731.3	183400.5	12.9		23973.9	183400.5	13.1	B31.12-IP-19
46(OCC)		23374.8	183400.5	12.7		23613.7	183400.5	12.9	B31.12-IP-19
47(OCC)		27993.9	183400.5	15.3		28265.5	183400.5	15.4	B31.12-IP-19
48(OCC)		33215.5	183400.5	18.1		33620.3	183400.5	18.3	B31.12-IP-19
49(OCC)		30505.2	183400.5	16.6		30822.9	183400.5	16.8	B31.12-IP-19
50(OCC)		26642.5	183400.5	14.5		27053.4	183400.5	14.8	B31.12-IP-19
51(OCC)		33233.1	183400.5	18.1		33680.3	183400.5	18.4	B31.12-IP-19
52(OCC)		28144.6	183400.5	15.3		28363.8	183400.5	15.5	B31.12-IP-19
53(OCC)		26391.7	183400.5	14.4		26807.2	183400.5	14.6	B31.12-IP-19
54(OCC)		30428.9	183400.5	16.6		30739.3	183400.5	16.8	B31.12-IP-19
2(Alt-SUS)	370	0.0	0.0	0.0	380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	380	0.0	0.0	0.0	390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	390	0.0	0.0	0.0	400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	400	0.0	0.0	0.0	410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	390	0.0	0.0	0.0	420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	320	0.0	0.0	0.0	430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	430	4822.2	137895.1	3.5	440	3432.6	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		14200.8	137895.1	10.3		9473.9	137895.1	6.9	B31.12-IP-19
6(Alt-SUS)		26467.7	137895.1	19.2		13525.6	137895.1	9.8	B31.12-IP-19
8(Alt-SUS)		25268.1	137895.1	18.3		13130.2	137895.1	9.5	B31.12-IP-19
14(SUS)		26525.0	137895.1	19.2		13565.1	137895.1	9.8	B31.12-IP-19
24(EXP)		27237.1	318212.9	8.6		6433.4	331172.8	1.9	B31.12-IP-19
25(EXP)		7739.9	318212.9	2.4		1183.8	331172.8	0.4	B31.12-IP-19
26(EXP)		6685.5	318212.9	2.1		600.4	331172.8	0.2	B31.12-IP-19
27(EXP)		19345.9	318212.9	6.1		3162.5	331172.8	1.0	B31.12-IP-19
28(EXP)		27064.6	318212.9	8.5		4338.6	331172.8	1.3	B31.12-IP-19
42(OCC)		27718.6	183400.5	15.1		13860.0	183400.5	7.6	B31.12-IP-19
43(OCC)		27013.6	183400.5	14.7		13821.6	183400.5	7.5	B31.12-IP-19
44(OCC)		28213.3	183400.5	15.4		14104.6	183400.5	7.7	B31.12-IP-19
45(OCC)		27784.5	183400.5	15.1		13970.4	183400.5	7.6	B31.12-IP-19
46(OCC)		29985.8	183400.5	16.3		14628.2	183400.5	8.0	B31.12-IP-19
47(OCC)		50228.3	183400.5	27.4		20779.3	183400.5	11.3	B31.12-IP-19
48(OCC)		36909.2	183400.5	20.1		20266.2	183400.5	11.1	B31.12-IP-19
49(OCC)		43332.9	183400.5	23.6		20531.4	183400.5	11.2	B31.12-IP-19
50(OCC)		53466.3	183400.5	29.2		23235.3	183400.5	12.7	B31.12-IP-19
51(OCC)		29539.7	183400.5	16.1		17866.8	183400.5	9.7	B31.12-IP-19
52(OCC)		45072.6	183400.5	24.6		19007.4	183400.5	10.4	B31.12-IP-19
53(OCC)		41911.1	183400.5	22.9		19967.7	183400.5	10.9	B31.12-IP-19
54(OCC)		36257.6	183400.5	19.8		17918.6	183400.5	9.8	B31.12-IP-19
2(Alt-SUS)	440	3456.4	137895.1	2.5	444	3030.8	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		9718.8	137895.1	7.0		13247.3	137895.1	9.6	B31.12-IP-19
6(Alt-SUS)		13850.1	137895.1	10.0		18523.3	137895.1	13.4	B31.12-IP-19
8(Alt-SUS)		13446.9	137895.1	9.8		18008.7	137895.1	13.1	B31.12-IP-19
14(SUS)		13891.2	137895.1	10.1		18586.7	137895.1	13.5	B31.12-IP-19
24(EXP)		6433.4	330846.7	1.9		9395.6	326151.2	2.9	B31.12-IP-19
25(EXP)		1183.8	330846.7	0.4		3291.5	326151.2	1.0	B31.12-IP-19
26(EXP)		600.4	330846.7	0.2		1873.2	326151.2	0.6	B31.12-IP-19
27(EXP)		3162.5	330846.7	1.0		8382.3	326151.2	2.6	B31.12-IP-19
28(EXP)		4338.6	330846.7	1.3		11669.7	326151.2	3.6	B31.12-IP-19
42(OCC)		14186.0	183400.5	7.7		18898.8	183400.5	10.3	B31.12-IP-19
43(OCC)		14156.7	183400.5	7.7		18971.8	183400.5	10.3	B31.12-IP-19
44(OCC)		14421.7	183400.5	7.9		19251.9	183400.5	10.5	B31.12-IP-19
45(OCC)		14289.7	183400.5	7.8		19090.2	183400.5	10.4	B31.12-IP-19
46(OCC)		14971.3	183400.5	8.2		19513.0	183400.5	10.6	B31.12-IP-19
47(OCC)		21001.7	183400.5	11.5		27428.0	183400.5	15.0	B31.12-IP-19
48(OCC)		20857.7	183400.5	11.4		29148.7	183400.5	15.9	B31.12-IP-19
49(OCC)		20703.3	183400.5	11.3		28217.0	183400.5	15.4	B31.12-IP-19
50(OCC)		23346.1	183400.5	12.7		31159.9	183400.5	17.0	B31.12-IP-19
51(OCC)		18413.1	183400.5	10.0		26049.7	183400.5	14.2	B31.12-IP-19
52(OCC)		19265.7	183400.5	10.5		25179.2	183400.5	13.7	B31.12-IP-19
53(OCC)		20136.9	183400.5	11.0		27486.2	183400.5	15.0	B31.12-IP-19
54(OCC)		18145.2	183400.5	9.9		24859.9	183400.5	13.6	B31.12-IP-19
2(Alt-SUS)	444	3123.7	137895.1	2.3	451	4143.3	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		13281.6	137895.1	9.6		4793.2	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		18640.2	137895.1	13.5		4474.8	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		18117.5	137895.1	13.1		4505.3	137895.1	3.3	B31.12-IP-19
14(SUS)		18701.4	137895.1	13.6		4472.2	137895.1	3.2	B31.12-IP-19
24(EXP)		9395.6	326036.4	2.9		11505.7	339944.6	3.4	B31.12-IP-19
25(EXP)		3291.5	326036.4	1.0		2055.2	339944.6	0.6	B31.12-IP-19
26(EXP)		1873.2	326036.4	0.6		1468.2	339944.6	0.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		8382.3	326036.4	2.6		5218.6	339944.6	1.5	B31.12-IP-19
28(EXP)		11669.7	326036.4	3.6		7272.1	339944.6	2.1	B31.12-IP-19
42(OCC)		19012.5	183400.5	10.4		4542.0	183400.5	2.5	B31.12-IP-19
43(OCC)		19095.6	183400.5	10.4		4584.8	183400.5	2.5	B31.12-IP-19
44(OCC)		19371.3	183400.5	10.6		4572.0	183400.5	2.5	B31.12-IP-19
45(OCC)		19208.7	183400.5	10.5		4559.9	183400.5	2.5	B31.12-IP-19
46(OCC)		18803.5	183400.5	10.3		4572.5	183400.5	2.5	B31.12-IP-19
47(OCC)		27477.6	183400.5	15.0		5079.9	183400.5	2.8	B31.12-IP-19
48(OCC)		29013.9	183400.5	15.8		5600.3	183400.5	3.1	B31.12-IP-19
49(OCC)		28406.5	183400.5	15.5		5289.2	183400.5	2.9	B31.12-IP-19
50(OCC)		31403.6	183400.5	17.1		5286.4	183400.5	2.9	B31.12-IP-19
51(OCC)		25953.5	183400.5	14.2		5867.9	183400.5	3.2	B31.12-IP-19
52(OCC)		25190.3	183400.5	13.7		5208.8	183400.5	2.8	B31.12-IP-19
53(OCC)		27657.4	183400.5	15.1		5586.8	183400.5	3.0	B31.12-IP-19
54(OCC)		24996.3	183400.5	13.6		5602.3	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	451	5733.8	137895.1	4.2	449	6489.8	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		7123.3	137895.1	5.2		4463.9	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		6260.3	137895.1	4.5		9070.4	137895.1	6.6	B31.12-IP-19
8(Alt-SUS)		6343.2	137895.1	4.6		8622.4	137895.1	6.3	B31.12-IP-19
14(SUS)		6253.6	137895.1	4.5		9118.5	137895.1	6.6	B31.12-IP-19
24(EXP)		34125.9	337614.6	10.1		45627.1	335619.3	13.6	B31.12-IP-19
25(EXP)		5646.5	337614.6	1.7		7282.1	335619.3	2.2	B31.12-IP-19
26(EXP)		4048.8	337614.6	1.2		5146.4	335619.3	1.5	B31.12-IP-19
27(EXP)		14393.6	337614.6	4.3		18935.4	335619.3	5.6	B31.12-IP-19
28(EXP)		20039.4	337614.6	5.9		26213.7	335619.3	7.8	B31.12-IP-19
42(OCC)		6358.2	183400.5	3.5		9340.4	183400.5	5.1	B31.12-IP-19
43(OCC)		6474.2	183400.5	3.5		9529.9	183400.5	5.2	B31.12-IP-19
44(OCC)		6386.8	183400.5	3.5		9696.7	183400.5	5.3	B31.12-IP-19
45(OCC)		6362.6	183400.5	3.5		9563.5	183400.5	5.2	B31.12-IP-19
46(OCC)		6484.8	183400.5	3.5		9335.7	183400.5	5.1	B31.12-IP-19
47(OCC)		7152.7	183400.5	3.9		12901.0	183400.5	7.0	B31.12-IP-19
48(OCC)		8602.0	183400.5	4.7		13903.1	183400.5	7.6	B31.12-IP-19
49(OCC)		7874.1	183400.5	4.3		13564.3	183400.5	7.4	B31.12-IP-19
50(OCC)		7129.8	183400.5	3.9		17511.1	183400.5	9.5	B31.12-IP-19
51(OCC)		9168.6	183400.5	5.0		11232.0	183400.5	6.1	B31.12-IP-19
52(OCC)		7492.3	183400.5	4.1		10991.8	183400.5	6.0	B31.12-IP-19
53(OCC)		8543.9	183400.5	4.7		12367.7	183400.5	6.7	B31.12-IP-19
54(OCC)		8643.9	183400.5	4.7		10375.6	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	449	6489.8	137895.1	4.7	450	6420.4	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		4463.9	137895.1	3.2		6278.0	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		9070.4	137895.1	6.6		11676.1	137895.1	8.5	B31.12-IP-19
8(Alt-SUS)		8622.4	137895.1	6.3		11149.3	137895.1	8.1	B31.12-IP-19
14(SUS)		9118.5	137895.1	6.6		11738.4	137895.1	8.5	B31.12-IP-19
24(EXP)		45627.1	335619.3	13.6		40150.3	332999.5	12.1	B31.12-IP-19
25(EXP)		7282.1	335619.3	2.2		6347.8	332999.5	1.9	B31.12-IP-19
26(EXP)		5146.4	335619.3	1.5		4193.1	332999.5	1.3	B31.12-IP-19
27(EXP)		18935.4	335619.3	5.6		16327.9	332999.5	4.9	B31.12-IP-19
28(EXP)		26213.7	335619.3	7.8		22665.2	332999.5	6.8	B31.12-IP-19
42(OCC)		9340.4	183400.5	5.1		12246.0	183400.5	6.7	B31.12-IP-19
43(OCC)		9529.9	183400.5	5.2		11962.2	183400.5	6.5	B31.12-IP-19
44(OCC)		9696.7	183400.5	5.3		12472.1	183400.5	6.8	B31.12-IP-19
45(OCC)		9563.5	183400.5	5.2		12311.6	183400.5	6.7	B31.12-IP-19
46(OCC)		9335.7	183400.5	5.1		11923.7	183400.5	6.5	B31.12-IP-19
47(OCC)		12901.0	183400.5	7.0		13952.1	183400.5	7.6	B31.12-IP-19
48(OCC)		13903.1	183400.5	7.6		21190.8	183400.5	11.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		13564.3	183400.5	7.4		17719.7	183400.5	9.7	B31.12-IP-19
50(OCC)		17511.1	183400.5	9.5		22140.0	183400.5	12.1	B31.12-IP-19
51(OCC)		11232.0	183400.5	6.1		18032.5	183400.5	9.8	B31.12-IP-19
52(OCC)		10991.8	183400.5	6.0		12633.9	183400.5	6.9	B31.12-IP-19
53(OCC)		12367.7	183400.5	6.7		16989.4	183400.5	9.3	B31.12-IP-19
54(OCC)		10375.6	183400.5	5.7		14814.0	183400.5	8.1	B31.12-IP-19
2(Alt-SUS)	450	4395.4	137895.1	3.2	460	4379.0	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4720.7	137895.1	3.4		4706.6	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		7240.1	137895.1	5.3		7202.8	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		6994.3	137895.1	5.1		6959.2	137895.1	5.0	B31.12-IP-19
14(SUS)		7269.2	137895.1	5.3		7231.7	137895.1	5.2	B31.12-IP-19
24(EXP)		15970.9	337468.7	4.7		15839.8	337506.1	4.7	B31.12-IP-19
25(EXP)		2835.5	337468.7	0.8		2809.0	337506.1	0.8	B31.12-IP-19
26(EXP)		2067.9	337468.7	0.6		2055.3	337506.1	0.6	B31.12-IP-19
27(EXP)		7392.4	337468.7	2.2		7329.1	337506.1	2.2	B31.12-IP-19
28(EXP)		10224.5	337468.7	3.0		10134.5	337506.1	3.0	B31.12-IP-19
42(OCC)		7505.0	183400.5	4.1		7475.1	183400.5	4.1	B31.12-IP-19
43(OCC)		7397.0	183400.5	4.0		7353.3	183400.5	4.0	B31.12-IP-19
44(OCC)		7626.6	183400.5	4.2		7590.0	183400.5	4.1	B31.12-IP-19
45(OCC)		7556.2	183400.5	4.1		7520.8	183400.5	4.1	B31.12-IP-19
46(OCC)		7348.3	183400.5	4.0		7310.0	183400.5	4.0	B31.12-IP-19
47(OCC)		8523.8	183400.5	4.6		8381.0	183400.5	4.6	B31.12-IP-19
48(OCC)		11640.8	183400.5	6.3		11661.2	183400.5	6.4	B31.12-IP-19
49(OCC)		10155.6	183400.5	5.5		10093.5	183400.5	5.5	B31.12-IP-19
50(OCC)		12225.1	183400.5	6.7		12148.2	183400.5	6.6	B31.12-IP-19
51(OCC)		10167.5	183400.5	5.5		10200.9	183400.5	5.6	B31.12-IP-19
52(OCC)		7880.7	183400.5	4.3		7928.7	183400.5	4.3	B31.12-IP-19
53(OCC)		9912.4	183400.5	5.4		9890.7	183400.5	5.4	B31.12-IP-19
54(OCC)		8924.5	183400.5	4.9		8924.3	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	460	0.0	0.0	0.0	470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	470	0.0	0.0	0.0	480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	480	0.0	0.0	0.0	490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	490	2522.0	137895.1	1.8	500	2132.6	137895.1	1.5	B31.12-IP-19
4(Alt-SUS)		2989.5	137895.1	2.2		2850.7	137895.1	2.1	B31.12-IP-19
6(Alt-SUS)		4034.5	137895.1	2.9		3387.1	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		3926.3	137895.1	2.8		3316.0	137895.1	2.4	B31.12-IP-19
14(SUS)		4069.5	137895.1	3.0		3462.8	137895.1	2.5	B31.12-IP-19
24(EXP)		16993.3	340668.3	5.0		23319.8	341275.0	6.8	B31.12-IP-19
25(EXP)		2533.8	340668.3	0.7		3446.7	341275.0	1.0	B31.12-IP-19
26(EXP)		2367.8	340668.3	0.7		3156.0	341275.0	0.9	B31.12-IP-19
27(EXP)		7133.5	340668.3	2.1		9647.4	341275.0	2.8	B31.12-IP-19
28(EXP)		9657.4	340668.3	2.8		13082.1	341275.0	3.8	B31.12-IP-19
42(OCC)		5012.0	183400.5	2.7		4948.8	183400.5	2.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		4911.7	183400.5	2.7		4929.9	183400.5	2.7	B31.12-IP-19
44(OCC)		4856.3	183400.5	2.6		4711.8	183400.5	2.6	B31.12-IP-19
45(OCC)		4828.3	183400.5	2.6		4685.0	183400.5	2.6	B31.12-IP-19
46(OCC)		4094.9	183400.5	2.2		3478.8	183400.5	1.9	B31.12-IP-19
47(OCC)		4865.6	183400.5	2.7		5178.7	183400.5	2.8	B31.12-IP-19
48(OCC)		6335.0	183400.5	3.5		5522.8	183400.5	3.0	B31.12-IP-19
49(OCC)		8134.3	183400.5	4.4		12499.6	183400.5	6.8	B31.12-IP-19
50(OCC)		11843.5	183400.5	6.5		17303.2	183400.5	9.4	B31.12-IP-19
51(OCC)		5801.9	183400.5	3.2		5399.6	183400.5	2.9	B31.12-IP-19
52(OCC)		5131.3	183400.5	2.8		5160.2	183400.5	2.8	B31.12-IP-19
53(OCC)		5297.0	183400.5	2.9		8541.8	183400.5	4.7	B31.12-IP-19
54(OCC)		5429.5	183400.5	3.0		8973.1	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	500	3270.2	137895.1	2.4	510	3262.5	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3316.6	137895.1	2.4		3306.5	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3441.2	137895.1	2.5		3299.1	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3410.5	137895.1	2.5		3294.5	137895.1	2.4	B31.12-IP-19
14(SUS)		3511.4	137895.1	2.5		3286.7	137895.1	2.4	B31.12-IP-19
24(EXP)		23319.8	341226.5	6.8		10038.5	341431.3	2.9	B31.12-IP-19
25(EXP)		3446.7	341226.5	1.0		2338.1	341431.3	0.7	B31.12-IP-19
26(EXP)		3156.0	341226.5	0.9		1755.2	341431.3	0.5	B31.12-IP-19
27(EXP)		9647.4	341226.5	2.8		6003.8	341431.3	1.8	B31.12-IP-19
28(EXP)		13082.1	341226.5	3.8		8338.4	341431.3	2.4	B31.12-IP-19
42(OCC)		4981.6	183400.5	2.7		3729.5	183400.5	2.0	B31.12-IP-19
43(OCC)		4954.1	183400.5	2.7		3766.9	183400.5	2.1	B31.12-IP-19
44(OCC)		4713.8	183400.5	2.6		3547.6	183400.5	1.9	B31.12-IP-19
45(OCC)		4699.8	183400.5	2.6		3533.0	183400.5	1.9	B31.12-IP-19
46(OCC)		3528.4	183400.5	1.9		3298.5	183400.5	1.8	B31.12-IP-19
47(OCC)		5180.0	183400.5	2.8		3774.2	183400.5	2.1	B31.12-IP-19
48(OCC)		5434.8	183400.5	3.0		4022.8	183400.5	2.2	B31.12-IP-19
49(OCC)		12429.1	183400.5	6.8		6574.9	183400.5	3.6	B31.12-IP-19
50(OCC)		16975.6	183400.5	9.3		9869.0	183400.5	5.4	B31.12-IP-19
51(OCC)		5426.0	183400.5	3.0		3952.6	183400.5	2.2	B31.12-IP-19
52(OCC)		5195.0	183400.5	2.8		3885.2	183400.5	2.1	B31.12-IP-19
53(OCC)		8611.4	183400.5	4.7		5141.9	183400.5	2.8	B31.12-IP-19
54(OCC)		8892.9	183400.5	4.8		5139.8	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	510	3262.4	137895.1	2.4	518	3268.9	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3306.6	137895.1	2.4		3301.4	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3299.3	137895.1	2.4		3349.5	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3294.7	137895.1	2.4		3315.6	137895.1	2.4	B31.12-IP-19
14(SUS)		3286.8	137895.1	2.4		3370.2	137895.1	2.4	B31.12-IP-19
24(EXP)		10038.5	341431.3	2.9		13864.7	341367.6	4.1	B31.12-IP-19
25(EXP)		2338.1	341431.3	0.7		3386.8	341367.6	1.0	B31.12-IP-19
26(EXP)		1755.2	341431.3	0.5		2683.5	341367.6	0.8	B31.12-IP-19
27(EXP)		6003.8	341431.3	1.8		8876.2	341367.6	2.6	B31.12-IP-19
28(EXP)		8338.4	341431.3	2.4		12262.9	341367.6	3.6	B31.12-IP-19
42(OCC)		3729.7	183400.5	2.0		3445.0	183400.5	1.9	B31.12-IP-19
43(OCC)		3767.0	183400.5	2.1		3520.3	183400.5	1.9	B31.12-IP-19
44(OCC)		3547.5	183400.5	1.9		3531.0	183400.5	1.9	B31.12-IP-19
45(OCC)		3533.2	183400.5	1.9		3532.7	183400.5	1.9	B31.12-IP-19
46(OCC)		3298.6	183400.5	1.8		3392.5	183400.5	1.8	B31.12-IP-19
47(OCC)		3774.2	183400.5	2.1		3568.0	183400.5	1.9	B31.12-IP-19
48(OCC)		4022.8	183400.5	2.2		3883.7	183400.5	2.1	B31.12-IP-19
49(OCC)		6573.7	183400.5	3.6		3673.5	183400.5	2.0	B31.12-IP-19
50(OCC)		9870.6	183400.5	5.4		6239.5	183400.5	3.4	B31.12-IP-19
51(OCC)		3952.6	183400.5	2.2		3640.8	183400.5	2.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		3885.3	183400.5	2.1		3562.4	183400.5	1.9	B31.12-IP-19
53(OCC)		5142.6	183400.5	2.8		3787.5	183400.5	2.1	B31.12-IP-19
54(OCC)		5139.1	183400.5	2.8		3634.1	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	518	3505.2	137895.1	2.5	519	3254.2	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3560.0	137895.1	2.6		3353.7	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3704.6	137895.1	2.7		3903.0	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3616.7	137895.1	2.6		3786.2	137895.1	2.7	B31.12-IP-19
14(SUS)		3758.3	137895.1	2.7		3993.9	137895.1	2.9	B31.12-IP-19
24(EXP)		31854.4	340979.5	9.3		41107.6	340743.9	12.1	B31.12-IP-19
25(EXP)		8545.2	340979.5	2.5		9727.0	340743.9	2.9	B31.12-IP-19
26(EXP)		6805.0	340979.5	2.0		8173.5	340743.9	2.4	B31.12-IP-19
27(EXP)		22334.0	340979.5	6.5		26008.7	340743.9	7.6	B31.12-IP-19
28(EXP)		30878.9	340979.5	9.1		35735.5	340743.9	10.5	B31.12-IP-19
42(OCC)		3878.6	183400.5	2.1		4319.5	183400.5	2.4	B31.12-IP-19
43(OCC)		4045.4	183400.5	2.2		4295.4	183400.5	2.3	B31.12-IP-19
44(OCC)		4090.9	183400.5	2.2		4596.1	183400.5	2.5	B31.12-IP-19
45(OCC)		4097.5	183400.5	2.2		4609.3	183400.5	2.5	B31.12-IP-19
46(OCC)		3806.8	183400.5	2.1		4049.7	183400.5	2.2	B31.12-IP-19
47(OCC)		4186.6	183400.5	2.3		4670.0	183400.5	2.5	B31.12-IP-19
48(OCC)		4890.2	183400.5	2.7		5338.4	183400.5	2.9	B31.12-IP-19
49(OCC)		4432.2	183400.5	2.4		6338.1	183400.5	3.5	B31.12-IP-19
50(OCC)		10454.3	183400.5	5.7		7480.2	183400.5	4.1	B31.12-IP-19
51(OCC)		4331.1	183400.5	2.4		4766.2	183400.5	2.6	B31.12-IP-19
52(OCC)		4087.9	183400.5	2.2		4335.5	183400.5	2.4	B31.12-IP-19
53(OCC)		4391.8	183400.5	2.4		5275.6	183400.5	2.9	B31.12-IP-19
54(OCC)		4023.1	183400.5	2.2		5837.3	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	519	3254.2	137895.1	2.4	520	3290.3	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3353.7	137895.1	2.4		3247.5	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3903.0	137895.1	2.8		4106.5	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3786.2	137895.1	2.7		3989.3	137895.1	2.9	B31.12-IP-19
14(SUS)		3993.9	137895.1	2.9		4216.5	137895.1	3.1	B31.12-IP-19
24(EXP)		41107.6	340743.9	12.1		41046.1	340521.3	12.1	B31.12-IP-19
25(EXP)		9727.0	340743.9	2.9		9161.0	340521.3	2.7	B31.12-IP-19
26(EXP)		8173.5	340743.9	2.4		7874.1	340521.3	2.3	B31.12-IP-19
27(EXP)		26008.7	340743.9	7.6		24784.2	340521.3	7.3	B31.12-IP-19
28(EXP)		35735.5	340743.9	10.5		33944.8	340521.3	10.0	B31.12-IP-19
42(OCC)		4319.5	183400.5	2.4		4689.0	183400.5	2.6	B31.12-IP-19
43(OCC)		4295.4	183400.5	2.3		4654.7	183400.5	2.5	B31.12-IP-19
44(OCC)		4596.1	183400.5	2.5		4899.5	183400.5	2.7	B31.12-IP-19
45(OCC)		4609.3	183400.5	2.5		4908.2	183400.5	2.7	B31.12-IP-19
46(OCC)		4049.7	183400.5	2.2		4265.0	183400.5	2.3	B31.12-IP-19
47(OCC)		4670.0	183400.5	2.5		5089.0	183400.5	2.8	B31.12-IP-19
48(OCC)		5338.4	183400.5	2.9		5638.3	183400.5	3.1	B31.12-IP-19
49(OCC)		6338.1	183400.5	3.5		7674.4	183400.5	4.2	B31.12-IP-19
50(OCC)		7480.2	183400.5	4.1		6288.9	183400.5	3.4	B31.12-IP-19
51(OCC)		4766.2	183400.5	2.6		5252.6	183400.5	2.9	B31.12-IP-19
52(OCC)		4335.5	183400.5	2.4		4842.0	183400.5	2.6	B31.12-IP-19
53(OCC)		5275.6	183400.5	2.9		5928.1	183400.5	3.2	B31.12-IP-19
54(OCC)		5837.3	183400.5	3.2		6805.3	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	520	3145.4	137895.1	2.3	530	4413.7	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		3121.4	137895.1	2.3		4384.2	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3476.5	137895.1	2.5		5354.2	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		3428.9	137895.1	2.5		5258.9	137895.1	3.8	B31.12-IP-19
14(SUS)		3519.8	137895.1	2.6		5368.5	137895.1	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		14584.9	341218.0	4.3		36840.3	339369.4	10.9	B31.12-IP-19
25(EXP)		3237.8	341218.0	0.9		8778.5	339369.4	2.6	B31.12-IP-19
26(EXP)		2713.4	341218.0	0.8		6313.9	339369.4	1.9	B31.12-IP-19
27(EXP)		8688.6	341218.0	2.5		22183.3	339369.4	6.5	B31.12-IP-19
28(EXP)		11925.8	341218.0	3.5		30961.8	339369.4	9.1	B31.12-IP-19
42(OCC)		3781.7	183400.5	2.1		6518.3	183400.5	3.6	B31.12-IP-19
43(OCC)		3740.7	183400.5	2.0		6756.6	183400.5	3.7	B31.12-IP-19
44(OCC)		3845.1	183400.5	2.1		5858.6	183400.5	3.2	B31.12-IP-19
45(OCC)		3838.0	183400.5	2.1		5697.3	183400.5	3.1	B31.12-IP-19
46(OCC)		3541.4	183400.5	1.9		5428.7	183400.5	3.0	B31.12-IP-19
47(OCC)		3944.8	183400.5	2.2		6941.9	183400.5	3.8	B31.12-IP-19
48(OCC)		4164.9	183400.5	2.3		7862.7	183400.5	4.3	B31.12-IP-19
49(OCC)		5164.1	183400.5	2.8		7115.8	183400.5	3.9	B31.12-IP-19
50(OCC)		4641.4	183400.5	2.5		8186.8	183400.5	4.5	B31.12-IP-19
51(OCC)		3989.6	183400.5	2.2		6917.5	183400.5	3.8	B31.12-IP-19
52(OCC)		3797.5	183400.5	2.1		6857.3	183400.5	3.7	B31.12-IP-19
53(OCC)		4386.1	183400.5	2.4		6780.7	183400.5	3.7	B31.12-IP-19
54(OCC)		4724.5	183400.5	2.6		6329.6	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	530	4416.2	137895.1	3.2	538	3141.8	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		4385.9	137895.1	3.2		3134.2	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		5367.8	137895.1	3.9		3172.1	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		5267.9	137895.1	3.8		3172.8	137895.1	2.3	B31.12-IP-19
14(SUS)		5392.1	137895.1	3.9		3161.1	137895.1	2.3	B31.12-IP-19
24(EXP)		36840.3	339345.8	10.9		6398.5	341565.1	1.9	B31.12-IP-19
25(EXP)		8778.5	339345.8	2.6		1249.4	341565.1	0.4	B31.12-IP-19
26(EXP)		6313.9	339345.8	1.9		829.2	341565.1	0.2	B31.12-IP-19
27(EXP)		22183.3	339345.8	6.5		3044.9	341565.1	0.9	B31.12-IP-19
28(EXP)		30961.8	339345.8	9.1		4283.6	341565.1	1.3	B31.12-IP-19
42(OCC)		6556.2	183400.5	3.6		3490.0	183400.5	1.9	B31.12-IP-19
43(OCC)		6791.6	183400.5	3.7		3332.8	183400.5	1.8	B31.12-IP-19
44(OCC)		5881.1	183400.5	3.2		3409.5	183400.5	1.9	B31.12-IP-19
45(OCC)		5720.4	183400.5	3.1		3353.2	183400.5	1.8	B31.12-IP-19
46(OCC)		5451.9	183400.5	3.0		3169.2	183400.5	1.7	B31.12-IP-19
47(OCC)		6957.4	183400.5	3.8		3453.0	183400.5	1.9	B31.12-IP-19
48(OCC)		7876.6	183400.5	4.3		3383.4	183400.5	1.8	B31.12-IP-19
49(OCC)		7085.6	183400.5	3.9		3572.6	183400.5	1.9	B31.12-IP-19
50(OCC)		8254.5	183400.5	4.5		4578.5	183400.5	2.5	B31.12-IP-19
51(OCC)		6946.8	183400.5	3.8		3598.7	183400.5	2.0	B31.12-IP-19
52(OCC)		6869.2	183400.5	3.7		3242.8	183400.5	1.8	B31.12-IP-19
53(OCC)		6854.9	183400.5	3.7		3671.6	183400.5	2.0	B31.12-IP-19
54(OCC)		6381.7	183400.5	3.5		3533.8	183400.5	1.9	B31.12-IP-19
2(Alt-SUS)	538	3254.4	137895.1	2.4	539	3138.4	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3237.9	137895.1	2.3		3098.6	137895.1	2.2	B31.12-IP-19
6(Alt-SUS)		3321.9	137895.1	2.4		3158.7	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		3325.8	137895.1	2.4		3159.8	137895.1	2.3	B31.12-IP-19
14(SUS)		3291.8	137895.1	2.4		3114.9	137895.1	2.3	B31.12-IP-19
24(EXP)		11108.0	341412.0	3.3		20611.3	341578.1	6.0	B31.12-IP-19
25(EXP)		1738.4	341412.0	0.5		3891.7	341578.1	1.1	B31.12-IP-19
26(EXP)		968.1	341412.0	0.3		2853.7	341578.1	0.8	B31.12-IP-19
27(EXP)		3512.4	341412.0	1.0		9667.0	341578.1	2.8	B31.12-IP-19
28(EXP)		5192.4	341412.0	1.5		13534.8	341578.1	4.0	B31.12-IP-19
42(OCC)		3976.5	183400.5	2.2		3418.8	183400.5	1.9	B31.12-IP-19
43(OCC)		3660.5	183400.5	2.0		3153.0	183400.5	1.7	B31.12-IP-19
44(OCC)		3790.7	183400.5	2.1		3693.7	183400.5	2.0	B31.12-IP-19
45(OCC)		3680.2	183400.5	2.0		3589.2	183400.5	2.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		3308.9	183400.5	1.8		3133.2	183400.5	1.7	B31.12-IP-19
47(OCC)		3796.4	183400.5	2.1		3416.6	183400.5	1.9	B31.12-IP-19
48(OCC)		3664.2	183400.5	2.0		3419.3	183400.5	1.9	B31.12-IP-19
49(OCC)		4065.9	183400.5	2.2		3816.7	183400.5	2.1	B31.12-IP-19
50(OCC)		6289.1	183400.5	3.4		5387.3	183400.5	2.9	B31.12-IP-19
51(OCC)		4225.9	183400.5	2.3		3502.4	183400.5	1.9	B31.12-IP-19
52(OCC)		3470.9	183400.5	1.9		3679.2	183400.5	2.0	B31.12-IP-19
53(OCC)		4311.8	183400.5	2.4		4174.2	183400.5	2.3	B31.12-IP-19
54(OCC)		4156.2	183400.5	2.3		4038.0	183400.5	2.2	B31.12-IP-19
2(Alt-SUS)	539	3138.4	137895.1	2.3	540	3484.9	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3098.6	137895.1	2.2		3415.0	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3158.7	137895.1	2.3		3251.0	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3159.8	137895.1	2.3		3268.6	137895.1	2.4	B31.12-IP-19
14(SUS)		3114.9	137895.1	2.3		3238.7	137895.1	2.3	B31.12-IP-19
24(EXP)		20611.3	341578.1	6.0		23075.7	341252.9	6.8	B31.12-IP-19
25(EXP)		3891.7	341578.1	1.1		4999.6	341252.9	1.5	B31.12-IP-19
26(EXP)		2853.7	341578.1	0.8		3664.8	341252.9	1.1	B31.12-IP-19
27(EXP)		9667.0	341578.1	2.8		12753.2	341252.9	3.7	B31.12-IP-19
28(EXP)		13534.8	341578.1	4.0		17749.3	341252.9	5.2	B31.12-IP-19
42(OCC)		3418.8	183400.5	1.9		3542.7	183400.5	1.9	B31.12-IP-19
43(OCC)		3153.0	183400.5	1.7		3588.9	183400.5	2.0	B31.12-IP-19
44(OCC)		3693.7	183400.5	2.0		3961.1	183400.5	2.2	B31.12-IP-19
45(OCC)		3589.2	183400.5	2.0		3840.2	183400.5	2.1	B31.12-IP-19
46(OCC)		3133.2	183400.5	1.7		3252.2	183400.5	1.8	B31.12-IP-19
47(OCC)		3416.6	183400.5	1.9		3677.1	183400.5	2.0	B31.12-IP-19
48(OCC)		3419.3	183400.5	1.9		3876.2	183400.5	2.1	B31.12-IP-19
49(OCC)		3816.7	183400.5	2.1		4326.2	183400.5	2.4	B31.12-IP-19
50(OCC)		5387.3	183400.5	2.9		3710.8	183400.5	2.0	B31.12-IP-19
51(OCC)		3502.4	183400.5	1.9		3622.0	183400.5	2.0	B31.12-IP-19
52(OCC)		3679.2	183400.5	2.0		4069.1	183400.5	2.2	B31.12-IP-19
53(OCC)		4174.2	183400.5	2.3		4275.7	183400.5	2.3	B31.12-IP-19
54(OCC)		4038.0	183400.5	2.2		4189.7	183400.5	2.3	B31.12-IP-19
2(Alt-SUS)	540	3261.9	137895.1	2.4	550	4477.6	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		3225.6	137895.1	2.3		4447.2	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3135.8	137895.1	2.3		4136.2	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3144.9	137895.1	2.3		4166.8	137895.1	3.0	B31.12-IP-19
14(SUS)		3131.0	137895.1	2.3		4131.0	137895.1	3.0	B31.12-IP-19
24(EXP)		10218.4	341475.9	3.0		18411.8	340260.3	5.4	B31.12-IP-19
25(EXP)		2076.0	341475.9	0.6		3872.9	340260.3	1.1	B31.12-IP-19
26(EXP)		1490.5	341475.9	0.4		2633.7	340260.3	0.8	B31.12-IP-19
27(EXP)		5208.1	341475.9	1.5		9469.7	340260.3	2.8	B31.12-IP-19
28(EXP)		7282.5	341475.9	2.1		13336.6	340260.3	3.9	B31.12-IP-19
42(OCC)		3313.3	183400.5	1.8		4603.0	183400.5	2.5	B31.12-IP-19
43(OCC)		3300.8	183400.5	1.8		4607.3	183400.5	2.5	B31.12-IP-19
44(OCC)		3451.3	183400.5	1.9		4528.8	183400.5	2.5	B31.12-IP-19
45(OCC)		3400.6	183400.5	1.9		4475.5	183400.5	2.4	B31.12-IP-19
46(OCC)		3141.3	183400.5	1.7		4152.7	183400.5	2.3	B31.12-IP-19
47(OCC)		3457.9	183400.5	1.9		4852.1	183400.5	2.6	B31.12-IP-19
48(OCC)		3433.6	183400.5	1.9		4888.4	183400.5	2.7	B31.12-IP-19
49(OCC)		3640.4	183400.5	2.0		5165.0	183400.5	2.8	B31.12-IP-19
50(OCC)		3504.1	183400.5	1.9		6853.3	183400.5	3.7	B31.12-IP-19
51(OCC)		3369.3	183400.5	1.8		5018.4	183400.5	2.7	B31.12-IP-19
52(OCC)		3552.9	183400.5	1.9		5135.1	183400.5	2.8	B31.12-IP-19
53(OCC)		3583.7	183400.5	2.0		4516.6	183400.5	2.5	B31.12-IP-19
54(OCC)		3581.2	183400.5	2.0		4968.6	183400.5	2.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	550	4478.7	137895.1	3.2	560	6742.5	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		4448.3	137895.1	3.2		6690.5	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		4137.3	137895.1	3.0		5970.4	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		4167.9	137895.1	3.0		6042.8	137895.1	4.4	B31.12-IP-19
14(SUS)		4132.0	137895.1	3.0		5956.0	137895.1	4.3	B31.12-IP-19
24(EXP)		18411.8	340259.1	5.4		55967.2	337995.3	16.6	B31.12-IP-19
25(EXP)		3872.9	340259.1	1.1		11666.5	337995.3	3.5	B31.12-IP-19
26(EXP)		2633.7	340259.1	0.8		7652.4	337995.3	2.3	B31.12-IP-19
27(EXP)		9469.7	340259.1	2.8		28022.3	337995.3	8.3	B31.12-IP-19
28(EXP)		13336.6	340259.1	3.9		39654.1	337995.3	11.7	B31.12-IP-19
42(OCC)		4604.1	183400.5	2.5		7263.7	183400.5	4.0	B31.12-IP-19
43(OCC)		4608.4	183400.5	2.5		7250.1	183400.5	4.0	B31.12-IP-19
44(OCC)		4529.7	183400.5	2.5		6752.6	183400.5	3.7	B31.12-IP-19
45(OCC)		4476.5	183400.5	2.4		6633.9	183400.5	3.6	B31.12-IP-19
46(OCC)		4153.7	183400.5	2.3		6008.1	183400.5	3.3	B31.12-IP-19
47(OCC)		4853.7	183400.5	2.6		7700.5	183400.5	4.2	B31.12-IP-19
48(OCC)		4889.0	183400.5	2.7		8004.4	183400.5	4.4	B31.12-IP-19
49(OCC)		5165.5	183400.5	2.8		8432.0	183400.5	4.6	B31.12-IP-19
50(OCC)		6854.5	183400.5	3.7		14177.1	183400.5	7.7	B31.12-IP-19
51(OCC)		5019.0	183400.5	2.7		8286.2	183400.5	4.5	B31.12-IP-19
52(OCC)		5136.8	183400.5	2.8		8342.2	183400.5	4.5	B31.12-IP-19
53(OCC)		4517.1	183400.5	2.5		6968.6	183400.5	3.8	B31.12-IP-19
54(OCC)		4970.1	183400.5	2.7		7992.8	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	560	5023.3	137895.1	3.6	570	4530.5	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5004.7	137895.1	3.6		4522.8	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4671.3	137895.1	3.4		4438.4	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4691.5	137895.1	3.4		4444.4	137895.1	3.2	B31.12-IP-19
14(SUS)		4693.4	137895.1	3.4		4444.5	137895.1	3.2	B31.12-IP-19
24(EXP)		29942.3	339714.5	8.8		6620.8	340207.3	1.9	B31.12-IP-19
25(EXP)		5767.9	339714.5	1.7		1410.0	340207.3	0.4	B31.12-IP-19
26(EXP)		3876.6	339714.5	1.1		1081.6	340207.3	0.3	B31.12-IP-19
27(EXP)		14001.4	339714.5	4.1		3563.0	340207.3	1.0	B31.12-IP-19
28(EXP)		19760.9	339714.5	5.8		4964.7	340207.3	1.5	B31.12-IP-19
42(OCC)		5236.6	183400.5	2.9		4768.2	183400.5	2.6	B31.12-IP-19
43(OCC)		5499.0	183400.5	3.0		4620.1	183400.5	2.5	B31.12-IP-19
44(OCC)		5314.3	183400.5	2.9		4914.2	183400.5	2.7	B31.12-IP-19
45(OCC)		5220.1	183400.5	2.8		4827.9	183400.5	2.6	B31.12-IP-19
46(OCC)		4717.3	183400.5	2.6		4451.6	183400.5	2.4	B31.12-IP-19
47(OCC)		5595.8	183400.5	3.1		4806.8	183400.5	2.6	B31.12-IP-19
48(OCC)		5760.7	183400.5	3.1		4904.1	183400.5	2.7	B31.12-IP-19
49(OCC)		5692.8	183400.5	3.1		5052.1	183400.5	2.8	B31.12-IP-19
50(OCC)		7174.2	183400.5	3.9		5635.1	183400.5	3.1	B31.12-IP-19
51(OCC)		5200.8	183400.5	2.8		5052.3	183400.5	2.8	B31.12-IP-19
52(OCC)		5967.4	183400.5	3.3		4719.3	183400.5	2.6	B31.12-IP-19
53(OCC)		5394.5	183400.5	2.9		5166.6	183400.5	2.8	B31.12-IP-19
54(OCC)		5778.7	183400.5	3.2		5057.3	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	570	4530.5	137895.1	3.3	578	4505.4	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4522.8	137895.1	3.3		4500.1	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4438.4	137895.1	3.2		4457.5	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4444.4	137895.1	3.2		4462.2	137895.1	3.2	B31.12-IP-19
14(SUS)		4444.5	137895.1	3.2		4458.5	137895.1	3.2	B31.12-IP-19
24(EXP)		6620.8	340207.3	1.9		11868.6	340232.4	3.5	B31.12-IP-19
25(EXP)		1410.0	340207.3	0.4		2657.0	340232.4	0.8	B31.12-IP-19
26(EXP)		1081.6	340207.3	0.3		1930.1	340232.4	0.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		3563.0	340207.3	1.0		6766.7	340232.4	2.0	B31.12-IP-19
28(EXP)		4964.7	340207.3	1.5		9419.6	340232.4	2.8	B31.12-IP-19
42(OCC)		4768.2	183400.5	2.6		4728.9	183400.5	2.6	B31.12-IP-19
43(OCC)		4620.1	183400.5	2.5		4538.4	183400.5	2.5	B31.12-IP-19
44(OCC)		4914.2	183400.5	2.7		4935.7	183400.5	2.7	B31.12-IP-19
45(OCC)		4827.9	183400.5	2.6		4828.8	183400.5	2.6	B31.12-IP-19
46(OCC)		4451.6	183400.5	2.4		4464.0	183400.5	2.4	B31.12-IP-19
47(OCC)		4806.8	183400.5	2.6		5144.9	183400.5	2.8	B31.12-IP-19
48(OCC)		4904.1	183400.5	2.7		5418.1	183400.5	3.0	B31.12-IP-19
49(OCC)		5052.1	183400.5	2.8		5224.4	183400.5	2.8	B31.12-IP-19
50(OCC)		5635.1	183400.5	3.1		5797.8	183400.5	3.2	B31.12-IP-19
51(OCC)		5052.3	183400.5	2.8		5357.1	183400.5	2.9	B31.12-IP-19
52(OCC)		4719.3	183400.5	2.6		5257.7	183400.5	2.9	B31.12-IP-19
53(OCC)		5166.6	183400.5	2.8		5250.1	183400.5	2.9	B31.12-IP-19
54(OCC)		5057.3	183400.5	2.8		5023.0	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	578	4834.4	137895.1	3.5	579	4926.8	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		4829.5	137895.1	3.5		4889.0	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		4740.1	137895.1	3.4		4857.7	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4750.3	137895.1	3.4		4859.1	137895.1	3.5	B31.12-IP-19
14(SUS)		4739.6	137895.1	3.4		4870.3	137895.1	3.5	B31.12-IP-19
24(EXP)		37583.4	339903.4	11.1		39588.6	339811.0	11.7	B31.12-IP-19
25(EXP)		8511.3	339903.4	2.5		9215.2	339811.0	2.7	B31.12-IP-19
26(EXP)		6039.3	339903.4	1.8		5907.1	339811.0	1.7	B31.12-IP-19
27(EXP)		21592.4	339903.4	6.4		22776.6	339811.0	6.7	B31.12-IP-19
28(EXP)		30102.4	339903.4	8.9		31986.5	339811.0	9.4	B31.12-IP-19
42(OCC)		5044.0	183400.5	2.8		5200.9	183400.5	2.8	B31.12-IP-19
43(OCC)		4887.2	183400.5	2.7		5313.9	183400.5	2.9	B31.12-IP-19
44(OCC)		5336.8	183400.5	2.9		6018.7	183400.5	3.3	B31.12-IP-19
45(OCC)		5176.3	183400.5	2.8		5735.2	183400.5	3.1	B31.12-IP-19
46(OCC)		4747.6	183400.5	2.6		4879.4	183400.5	2.7	B31.12-IP-19
47(OCC)		6072.3	183400.5	3.3		6415.2	183400.5	3.5	B31.12-IP-19
48(OCC)		6812.1	183400.5	3.7		7253.1	183400.5	4.0	B31.12-IP-19
49(OCC)		6098.8	183400.5	3.3		6842.6	183400.5	3.7	B31.12-IP-19
50(OCC)		6897.5	183400.5	3.8		6888.7	183400.5	3.8	B31.12-IP-19
51(OCC)		6496.1	183400.5	3.5		6271.5	183400.5	3.4	B31.12-IP-19
52(OCC)		6443.9	183400.5	3.5		7184.4	183400.5	3.9	B31.12-IP-19
53(OCC)		5862.0	183400.5	3.2		6877.7	183400.5	3.8	B31.12-IP-19
54(OCC)		5450.4	183400.5	3.0		6175.9	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	579	4926.8	137895.1	3.6	580	7374.9	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		4889.0	137895.1	3.5		7322.0	137895.1	5.3	B31.12-IP-19
6(Alt-SUS)		4857.7	137895.1	3.5		7183.7	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		4859.1	137895.1	3.5		7191.2	137895.1	5.2	B31.12-IP-19
14(SUS)		4870.3	137895.1	3.5		7220.1	137895.1	5.2	B31.12-IP-19
24(EXP)		39588.6	339811.0	11.7		26457.2	337362.9	7.8	B31.12-IP-19
25(EXP)		9215.2	339811.0	2.7		6736.7	337362.9	2.0	B31.12-IP-19
26(EXP)		5907.1	339811.0	1.7		4229.9	337362.9	1.3	B31.12-IP-19
27(EXP)		22776.6	339811.0	6.7		16822.3	337362.9	5.0	B31.12-IP-19
28(EXP)		31986.5	339811.0	9.4		23538.7	337362.9	7.0	B31.12-IP-19
42(OCC)		5200.9	183400.5	2.8		7483.8	183400.5	4.1	B31.12-IP-19
43(OCC)		5313.9	183400.5	2.9		7869.0	183400.5	4.3	B31.12-IP-19
44(OCC)		6018.7	183400.5	3.3		8546.1	183400.5	4.7	B31.12-IP-19
45(OCC)		5735.2	183400.5	3.1		8236.0	183400.5	4.5	B31.12-IP-19
46(OCC)		4879.4	183400.5	2.7		7239.9	183400.5	3.9	B31.12-IP-19
47(OCC)		6415.2	183400.5	3.5		9728.5	183400.5	5.3	B31.12-IP-19
48(OCC)		7253.1	183400.5	4.0		9857.3	183400.5	5.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		6842.6	183400.5	3.7		9118.2	183400.5	5.0	B31.12-IP-19
50(OCC)		6888.7	183400.5	3.8		10897.9	183400.5	5.9	B31.12-IP-19
51(OCC)		6271.5	183400.5	3.4		8704.9	183400.5	4.7	B31.12-IP-19
52(OCC)		7184.4	183400.5	3.9		9620.8	183400.5	5.2	B31.12-IP-19
53(OCC)		6877.7	183400.5	3.8		9910.4	183400.5	5.4	B31.12-IP-19
54(OCC)		6175.9	183400.5	3.4		9560.0	183400.5	5.2	B31.12-IP-19
2(Alt-SUS)	580	5262.2	137895.1	3.8	590	5570.9	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5243.1	137895.1	3.8		5549.3	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		5194.6	137895.1	3.8		5491.2	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5197.4	137895.1	3.8		5495.4	137895.1	4.0	B31.12-IP-19
14(SUS)		5207.2	137895.1	3.8		5503.9	137895.1	4.0	B31.12-IP-19
24(EXP)		17966.0	339475.7	5.3		18366.6	339166.9	5.4	B31.12-IP-19
25(EXP)		4033.0	339475.7	1.2		4121.1	339166.9	1.2	B31.12-IP-19
26(EXP)		2753.0	339475.7	0.8		2788.0	339166.9	0.8	B31.12-IP-19
27(EXP)		10146.6	339475.7	3.0		10345.1	339166.9	3.1	B31.12-IP-19
28(EXP)		14176.2	339475.7	4.2		14462.8	339166.9	4.3	B31.12-IP-19
42(OCC)		5361.0	183400.5	2.9		5653.0	183400.5	3.1	B31.12-IP-19
43(OCC)		5586.1	183400.5	3.0		5928.6	183400.5	3.2	B31.12-IP-19
44(OCC)		5825.3	183400.5	3.2		6146.1	183400.5	3.4	B31.12-IP-19
45(OCC)		5682.7	183400.5	3.1		5994.3	183400.5	3.3	B31.12-IP-19
46(OCC)		5215.3	183400.5	2.8		5512.8	183400.5	3.0	B31.12-IP-19
47(OCC)		6464.8	183400.5	3.5		6899.3	183400.5	3.8	B31.12-IP-19
48(OCC)		6831.0	183400.5	3.7		7240.0	183400.5	3.9	B31.12-IP-19
49(OCC)		6198.7	183400.5	3.4		6556.7	183400.5	3.6	B31.12-IP-19
50(OCC)		6863.7	183400.5	3.7		7251.4	183400.5	4.0	B31.12-IP-19
51(OCC)		6341.3	183400.5	3.5		6689.5	183400.5	3.6	B31.12-IP-19
52(OCC)		6692.1	183400.5	3.6		7108.8	183400.5	3.9	B31.12-IP-19
53(OCC)		6378.1	183400.5	3.5		6811.9	183400.5	3.7	B31.12-IP-19
54(OCC)		6166.9	183400.5	3.4		6581.3	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	590	5570.9	137895.1	4.0	600	7706.2	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		5549.3	137895.1	4.0		7688.1	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		5491.1	137895.1	4.0		7729.3	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		5495.4	137895.1	4.0		7727.2	137895.1	5.6	B31.12-IP-19
14(SUS)		5502.1	137895.1	4.0		7714.4	137895.1	5.6	B31.12-IP-19
24(EXP)		18366.6	339166.9	5.4		18424.5	337008.5	5.5	B31.12-IP-19
25(EXP)		4121.1	339166.9	1.2		4116.9	337008.5	1.2	B31.12-IP-19
26(EXP)		2788.0	339166.9	0.8		2781.9	337008.5	0.8	B31.12-IP-19
27(EXP)		10345.1	339166.9	3.1		10312.6	337008.5	3.1	B31.12-IP-19
28(EXP)		14462.8	339166.9	4.3		14426.7	337008.5	4.3	B31.12-IP-19
42(OCC)		5665.1	183400.5	3.1		7916.4	183400.5	4.3	B31.12-IP-19
43(OCC)		5949.1	183400.5	3.2		8069.6	183400.5	4.4	B31.12-IP-19
44(OCC)		6135.4	183400.5	3.3		8295.7	183400.5	4.5	B31.12-IP-19
45(OCC)		5984.5	183400.5	3.3		8158.8	183400.5	4.4	B31.12-IP-19
46(OCC)		5511.0	183400.5	3.0		7721.5	183400.5	4.2	B31.12-IP-19
47(OCC)		6937.7	183400.5	3.8		11514.3	183400.5	6.3	B31.12-IP-19
48(OCC)		7234.0	183400.5	3.9		11240.1	183400.5	6.1	B31.12-IP-19
49(OCC)		6761.1	183400.5	3.7		10233.4	183400.5	5.6	B31.12-IP-19
50(OCC)		7491.2	183400.5	4.1		9864.9	183400.5	5.4	B31.12-IP-19
51(OCC)		7028.3	183400.5	3.8		12360.8	183400.5	6.7	B31.12-IP-19
52(OCC)		7486.5	183400.5	4.1		11764.4	183400.5	6.4	B31.12-IP-19
53(OCC)		6992.3	183400.5	3.8		10014.0	183400.5	5.5	B31.12-IP-19
54(OCC)		6813.4	183400.5	3.7		9756.3	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	600	0.0	0.0	0.0	610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	610	0.0	0.0	0.0	620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	620	0.0	0.0	0.0	630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	630	58943.5	137895.1	42.7	640	72768.8	137895.1	52.8	B31.12-IP-19
4(Alt-SUS)		58653.9	137895.1	42.5		71890.6	137895.1	52.1	B31.12-IP-19
6(Alt-SUS)		58555.7	137895.1	42.5		71568.2	137895.1	51.9	B31.12-IP-19
8(Alt-SUS)		58566.1	137895.1	42.5		71600.3	137895.1	51.9	B31.12-IP-19
14(SUS)		58548.8	137895.1	42.5		71558.4	137895.1	51.9	B31.12-IP-19
24(EXP)		20262.2	285794.4	7.1		40190.5	271969.0	14.8	B31.12-IP-19
25(EXP)		4629.8	285794.4	1.6		9874.1	271969.0	3.6	B31.12-IP-19
26(EXP)		3237.6	285794.4	1.1		6966.0	271969.0	2.6	B31.12-IP-19
27(EXP)		11624.4	285794.4	4.1		24662.4	271969.0	9.1	B31.12-IP-19
28(EXP)		16254.0	285794.4	5.7		34536.4	271969.0	12.7	B31.12-IP-19
42(OCC)		58906.2	183400.5	32.1		72142.1	183400.5	39.3	B31.12-IP-19
43(OCC)		58947.8	183400.5	32.1		72123.5	183400.5	39.3	B31.12-IP-19
44(OCC)		58846.3	183400.5	32.1		72005.6	183400.5	39.3	B31.12-IP-19
45(OCC)		58786.0	183400.5	32.1		71973.4	183400.5	39.2	B31.12-IP-19
46(OCC)		58563.9	183400.5	31.9		71604.3	183400.5	39.0	B31.12-IP-19
47(OCC)		69747.5	183400.5	38.0		92883.3	183400.5	50.6	B31.12-IP-19
48(OCC)		67983.5	183400.5	37.1		87595.8	183400.5	47.8	B31.12-IP-19
49(OCC)		65085.2	183400.5	35.5		81732.6	183400.5	44.6	B31.12-IP-19
50(OCC)		67167.1	183400.5	36.6		89401.9	183400.5	48.7	B31.12-IP-19
51(OCC)		69705.6	183400.5	38.0		90851.9	183400.5	49.5	B31.12-IP-19
52(OCC)		69692.3	183400.5	38.0		92266.4	183400.5	50.3	B31.12-IP-19
53(OCC)		67429.0	183400.5	36.8		90013.5	183400.5	49.1	B31.12-IP-19
54(OCC)		65127.8	183400.5	35.5		82054.3	183400.5	44.7	B31.12-IP-19
2(Alt-SUS)	560	5142.7	137895.1	3.7	648	4572.8	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5140.9	137895.1	3.7		4565.1	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		5085.9	137895.1	3.7		4552.8	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		5098.8	137895.1	3.7		4557.8	137895.1	3.3	B31.12-IP-19
14(SUS)		5078.2	137895.1	3.7		4550.5	137895.1	3.3	B31.12-IP-19
24(EXP)		13635.9	339595.1	4.0		7303.5	340165.0	2.1	B31.12-IP-19
25(EXP)		2025.7	339595.1	0.6		1311.4	340165.0	0.4	B31.12-IP-19
26(EXP)		1344.7	339595.1	0.4		1003.1	340165.0	0.3	B31.12-IP-19
27(EXP)		4497.6	339595.1	1.3		3321.8	340165.0	1.0	B31.12-IP-19
28(EXP)		6519.2	339595.1	1.9		4632.3	340165.0	1.4	B31.12-IP-19
42(OCC)		5648.6	183400.5	3.1		4698.2	183400.5	2.6	B31.12-IP-19
43(OCC)		5853.9	183400.5	3.2		4863.3	183400.5	2.7	B31.12-IP-19
44(OCC)		5676.6	183400.5	3.1		5147.8	183400.5	2.8	B31.12-IP-19
45(OCC)		5587.2	183400.5	3.0		5025.4	183400.5	2.7	B31.12-IP-19
46(OCC)		5085.9	183400.5	2.8		4552.9	183400.5	2.5	B31.12-IP-19
47(OCC)		5285.2	183400.5	2.9		4776.6	183400.5	2.6	B31.12-IP-19
48(OCC)		6394.0	183400.5	3.5		5169.8	183400.5	2.8	B31.12-IP-19
49(OCC)		6061.2	183400.5	3.3		5450.9	183400.5	3.0	B31.12-IP-19
50(OCC)		6960.7	183400.5	3.8		5329.8	183400.5	2.9	B31.12-IP-19
51(OCC)		6006.7	183400.5	3.3		4916.8	183400.5	2.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		5622.3	183400.5	3.1		4895.5	183400.5	2.7	B31.12-IP-19
53(OCC)		6068.2	183400.5	3.3		5366.6	183400.5	2.9	B31.12-IP-19
54(OCC)		5887.2	183400.5	3.2		5048.6	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	648	5325.5	137895.1	3.9	649	4876.7	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		5308.1	137895.1	3.8		4851.9	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		5271.8	137895.1	3.8		4846.8	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		5285.0	137895.1	3.8		4854.8	137895.1	3.5	B31.12-IP-19
14(SUS)		5264.5	137895.1	3.8		4843.4	137895.1	3.5	B31.12-IP-19
24(EXP)		19588.2	339412.3	5.8		34127.0	339861.2	10.0	B31.12-IP-19
25(EXP)		3792.0	339412.3	1.1		7379.5	339861.2	2.2	B31.12-IP-19
26(EXP)		2543.0	339412.3	0.7		5076.6	339861.2	1.5	B31.12-IP-19
27(EXP)		9516.8	339412.3	2.8		18663.5	339861.2	5.5	B31.12-IP-19
28(EXP)		13306.4	339412.3	3.9		26042.8	339861.2	7.7	B31.12-IP-19
42(OCC)		5647.9	183400.5	3.1		4975.9	183400.5	2.7	B31.12-IP-19
43(OCC)		5985.1	183400.5	3.3		5231.3	183400.5	2.9	B31.12-IP-19
44(OCC)		6032.5	183400.5	3.3		5711.5	183400.5	3.1	B31.12-IP-19
45(OCC)		5835.0	183400.5	3.2		5529.9	183400.5	3.0	B31.12-IP-19
46(OCC)		5270.1	183400.5	2.9		4845.6	183400.5	2.6	B31.12-IP-19
47(OCC)		5675.7	183400.5	3.1		5324.0	183400.5	2.9	B31.12-IP-19
48(OCC)		6734.7	183400.5	3.7		5879.6	183400.5	3.2	B31.12-IP-19
49(OCC)		6405.7	183400.5	3.5		5962.1	183400.5	3.3	B31.12-IP-19
50(OCC)		6772.2	183400.5	3.7		5806.0	183400.5	3.2	B31.12-IP-19
51(OCC)		6151.5	183400.5	3.4		5259.6	183400.5	2.9	B31.12-IP-19
52(OCC)		5834.4	183400.5	3.2		5284.0	183400.5	2.9	B31.12-IP-19
53(OCC)		6604.9	183400.5	3.6		6186.0	183400.5	3.4	B31.12-IP-19
54(OCC)		5847.2	183400.5	3.2		5410.9	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	649	4876.7	137895.1	3.5	650	4130.6	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4851.9	137895.1	3.5		4128.7	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4846.8	137895.1	3.5		4115.8	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4854.8	137895.1	3.5		4118.7	137895.1	3.0	B31.12-IP-19
14(SUS)		4843.4	137895.1	3.5		4107.9	137895.1	3.0	B31.12-IP-19
24(EXP)		34127.0	339861.2	10.0		41927.8	340607.2	12.3	B31.12-IP-19
25(EXP)		7379.5	339861.2	2.2		8705.8	340607.2	2.6	B31.12-IP-19
26(EXP)		5076.6	339861.2	1.5		6072.8	340607.2	1.8	B31.12-IP-19
27(EXP)		18663.5	339861.2	5.5		21701.8	340607.2	6.4	B31.12-IP-19
28(EXP)		26042.8	339861.2	7.7		30407.6	340607.2	8.9	B31.12-IP-19
42(OCC)		4975.9	183400.5	2.7		4361.5	183400.5	2.4	B31.12-IP-19
43(OCC)		5231.3	183400.5	2.9		4577.1	183400.5	2.5	B31.12-IP-19
44(OCC)		5711.5	183400.5	3.1		4988.8	183400.5	2.7	B31.12-IP-19
45(OCC)		5529.9	183400.5	3.0		4760.5	183400.5	2.6	B31.12-IP-19
46(OCC)		4845.6	183400.5	2.6		4112.3	183400.5	2.2	B31.12-IP-19
47(OCC)		5324.0	183400.5	2.9		4339.8	183400.5	2.4	B31.12-IP-19
48(OCC)		5879.6	183400.5	3.2		4900.1	183400.5	2.7	B31.12-IP-19
49(OCC)		5962.1	183400.5	3.3		5592.7	183400.5	3.0	B31.12-IP-19
50(OCC)		5806.0	183400.5	3.2		5343.7	183400.5	2.9	B31.12-IP-19
51(OCC)		5259.6	183400.5	2.9		4313.1	183400.5	2.4	B31.12-IP-19
52(OCC)		5284.0	183400.5	2.9		4816.8	183400.5	2.6	B31.12-IP-19
53(OCC)		6186.0	183400.5	3.4		5158.8	183400.5	2.8	B31.12-IP-19
54(OCC)		5410.9	183400.5	3.0		4650.5	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	650	4085.5	137895.1	3.0	658	4222.6	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4084.3	137895.1	3.0		4214.3	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4080.9	137895.1	3.0		4224.5	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4081.6	137895.1	3.0		4224.0	137895.1	3.1	B31.12-IP-19
14(SUS)		4077.9	137895.1	3.0		4228.8	137895.1	3.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		11964.7	340652.3	3.5		11756.5	340509.1	3.5	B31.12-IP-19
25(EXP)		2441.6	340652.3	0.7		2389.9	340509.1	0.7	B31.12-IP-19
26(EXP)		1716.6	340652.3	0.5		1649.9	340509.1	0.5	B31.12-IP-19
27(EXP)		6083.4	340652.3	1.8		5852.8	340509.1	1.7	B31.12-IP-19
28(EXP)		8524.9	340652.3	2.5		8242.7	340509.1	2.4	B31.12-IP-19
42(OCC)		4228.2	183400.5	2.3		4412.3	183400.5	2.4	B31.12-IP-19
43(OCC)		4326.2	183400.5	2.4		4483.5	183400.5	2.4	B31.12-IP-19
44(OCC)		4572.5	183400.5	2.5		4601.2	183400.5	2.5	B31.12-IP-19
45(OCC)		4434.0	183400.5	2.4		4480.4	183400.5	2.4	B31.12-IP-19
46(OCC)		4080.1	183400.5	2.2		4231.6	183400.5	2.3	B31.12-IP-19
47(OCC)		4288.4	183400.5	2.3		4504.6	183400.5	2.5	B31.12-IP-19
48(OCC)		4481.4	183400.5	2.4		4612.2	183400.5	2.5	B31.12-IP-19
49(OCC)		4961.2	183400.5	2.7		4974.3	183400.5	2.7	B31.12-IP-19
50(OCC)		4798.3	183400.5	2.6		4941.7	183400.5	2.7	B31.12-IP-19
51(OCC)		4277.2	183400.5	2.3		4491.5	183400.5	2.4	B31.12-IP-19
52(OCC)		4442.0	183400.5	2.4		4614.1	183400.5	2.5	B31.12-IP-19
53(OCC)		4678.2	183400.5	2.6		4678.8	183400.5	2.6	B31.12-IP-19
54(OCC)		4392.3	183400.5	2.4		4522.2	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	658	4438.3	137895.1	3.2	659	4643.2	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		4421.9	137895.1	3.2		4612.4	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4439.5	137895.1	3.2		4661.6	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		4438.8	137895.1	3.2		4664.7	137895.1	3.4	B31.12-IP-19
14(SUS)		4448.9	137895.1	3.2		4663.7	137895.1	3.4	B31.12-IP-19
24(EXP)		38140.2	340288.9	11.2		25434.5	340073.1	7.5	B31.12-IP-19
25(EXP)		7868.3	340288.9	2.3		5789.1	340073.1	1.7	B31.12-IP-19
26(EXP)		5428.7	340288.9	1.6		3655.2	340073.1	1.1	B31.12-IP-19
27(EXP)		19246.8	340288.9	5.7		13697.3	340073.1	4.0	B31.12-IP-19
28(EXP)		27114.9	340288.9	8.0		19485.9	340073.1	5.7	B31.12-IP-19
42(OCC)		4816.5	183400.5	2.6		5007.9	183400.5	2.7	B31.12-IP-19
43(OCC)		5013.3	183400.5	2.7		5126.8	183400.5	2.8	B31.12-IP-19
44(OCC)		4895.3	183400.5	2.7		5413.6	183400.5	3.0	B31.12-IP-19
45(OCC)		4731.2	183400.5	2.6		5338.0	183400.5	2.9	B31.12-IP-19
46(OCC)		4456.1	183400.5	2.4		4672.2	183400.5	2.5	B31.12-IP-19
47(OCC)		4878.7	183400.5	2.7		5046.4	183400.5	2.8	B31.12-IP-19
48(OCC)		5243.1	183400.5	2.9		5336.7	183400.5	2.9	B31.12-IP-19
49(OCC)		5443.2	183400.5	3.0		6143.3	183400.5	3.3	B31.12-IP-19
50(OCC)		5840.0	183400.5	3.2		6122.2	183400.5	3.3	B31.12-IP-19
51(OCC)		4883.0	183400.5	2.7		5276.6	183400.5	2.9	B31.12-IP-19
52(OCC)		5216.5	183400.5	2.8		5518.6	183400.5	3.0	B31.12-IP-19
53(OCC)		4913.0	183400.5	2.7		5629.8	183400.5	3.1	B31.12-IP-19
54(OCC)		4924.5	183400.5	2.7		5914.6	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	659	4643.2	137895.1	3.4	660	4382.3	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4612.4	137895.1	3.3		4355.9	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4661.6	137895.1	3.4		4411.3	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4664.7	137895.1	3.4		4419.1	137895.1	3.2	B31.12-IP-19
14(SUS)		4663.7	137895.1	3.4		4398.4	137895.1	3.2	B31.12-IP-19
24(EXP)		25434.4	340073.1	7.5		12893.2	340318.7	3.8	B31.12-IP-19
25(EXP)		5789.1	340073.1	1.7		2033.9	340318.7	0.6	B31.12-IP-19
26(EXP)		3655.2	340073.1	1.1		1495.4	340318.7	0.4	B31.12-IP-19
27(EXP)		13697.3	340073.1	4.0		4773.5	340318.7	1.4	B31.12-IP-19
28(EXP)		19485.9	340073.1	5.7		6778.2	340318.7	2.0	B31.12-IP-19
42(OCC)		5007.9	183400.5	2.7		4706.7	183400.5	2.6	B31.12-IP-19
43(OCC)		5126.8	183400.5	2.8		4638.8	183400.5	2.5	B31.12-IP-19
44(OCC)		5413.6	183400.5	3.0		5230.9	183400.5	2.9	B31.12-IP-19
45(OCC)		5338.0	183400.5	2.9		5204.8	183400.5	2.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4672.2	183400.5	2.5		4406.3	183400.5	2.4	B31.12-IP-19
47(OCC)		5046.4	183400.5	2.8		5178.9	183400.5	2.8	B31.12-IP-19
48(OCC)		5336.7	183400.5	2.9		4725.4	183400.5	2.6	B31.12-IP-19
49(OCC)		6143.3	183400.5	3.3		5818.7	183400.5	3.2	B31.12-IP-19
50(OCC)		6122.2	183400.5	3.3		6299.4	183400.5	3.4	B31.12-IP-19
51(OCC)		5276.6	183400.5	2.9		4994.2	183400.5	2.7	B31.12-IP-19
52(OCC)		5518.6	183400.5	3.0		5099.4	183400.5	2.8	B31.12-IP-19
53(OCC)		5629.8	183400.5	3.1		5553.4	183400.5	3.0	B31.12-IP-19
54(OCC)		5914.6	183400.5	3.2		5780.7	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	660	4209.4	137895.1	3.1	670	4210.8	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4196.7	137895.1	3.0		4197.8	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4221.4	137895.1	3.1		4211.7	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4224.7	137895.1	3.1		4221.1	137895.1	3.1	B31.12-IP-19
14(SUS)		4216.0	137895.1	3.1		4197.8	137895.1	3.0	B31.12-IP-19
24(EXP)		9108.2	340513.2	2.7		15023.7	340516.7	4.4	B31.12-IP-19
25(EXP)		1707.4	340513.2	0.5		3088.4	340516.7	0.9	B31.12-IP-19
26(EXP)		1185.1	340513.2	0.3		2291.5	340516.7	0.7	B31.12-IP-19
27(EXP)		4079.8	340513.2	1.2		8012.4	340516.7	2.4	B31.12-IP-19
28(EXP)		5784.5	340513.2	1.7		11097.7	340516.7	3.3	B31.12-IP-19
42(OCC)		4342.1	183400.5	2.4		4976.8	183400.5	2.7	B31.12-IP-19
43(OCC)		4321.2	183400.5	2.4		4764.3	183400.5	2.6	B31.12-IP-19
44(OCC)		4594.7	183400.5	2.5		4316.1	183400.5	2.4	B31.12-IP-19
45(OCC)		4564.6	183400.5	2.5		4365.3	183400.5	2.4	B31.12-IP-19
46(OCC)		4219.1	183400.5	2.3		4199.7	183400.5	2.3	B31.12-IP-19
47(OCC)		4624.6	183400.5	2.5		5389.5	183400.5	2.9	B31.12-IP-19
48(OCC)		4381.8	183400.5	2.4		4850.3	183400.5	2.6	B31.12-IP-19
49(OCC)		4894.1	183400.5	2.7		4742.3	183400.5	2.6	B31.12-IP-19
50(OCC)		5000.0	183400.5	2.7		5369.5	183400.5	2.9	B31.12-IP-19
51(OCC)		4480.5	183400.5	2.4		5269.9	183400.5	2.9	B31.12-IP-19
52(OCC)		4590.6	183400.5	2.5		5005.5	183400.5	2.7	B31.12-IP-19
53(OCC)		4751.4	183400.5	2.6		4477.2	183400.5	2.4	B31.12-IP-19
54(OCC)		4803.7	183400.5	2.6		4584.4	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	670	4209.0	137895.1	3.1	680	4309.9	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4195.5	137895.1	3.0		4401.0	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4210.0	137895.1	3.1		4293.9	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4219.3	137895.1	3.1		4312.1	137895.1	3.1	B31.12-IP-19
14(SUS)		4196.7	137895.1	3.0		4231.9	137895.1	3.1	B31.12-IP-19
24(EXP)		15023.7	340518.5	4.4		51509.6	340336.8	15.1	B31.12-IP-19
25(EXP)		3088.4	340518.5	0.9		10994.6	340336.8	3.2	B31.12-IP-19
26(EXP)		2291.5	340518.5	0.7		8201.7	340336.8	2.4	B31.12-IP-19
27(EXP)		8012.4	340518.5	2.4		29015.4	340336.8	8.5	B31.12-IP-19
28(EXP)		11097.7	340518.5	3.3		40006.5	340336.8	11.8	B31.12-IP-19
42(OCC)		4975.6	183400.5	2.7		6613.4	183400.5	3.6	B31.12-IP-19
43(OCC)		4763.2	183400.5	2.6		6059.9	183400.5	3.3	B31.12-IP-19
44(OCC)		4314.8	183400.5	2.4		4565.7	183400.5	2.5	B31.12-IP-19
45(OCC)		4363.9	183400.5	2.4		4459.5	183400.5	2.4	B31.12-IP-19
46(OCC)		4198.5	183400.5	2.3		4234.6	183400.5	2.3	B31.12-IP-19
47(OCC)		5388.3	183400.5	2.9		7634.9	183400.5	4.2	B31.12-IP-19
48(OCC)		4849.1	183400.5	2.6		6372.0	183400.5	3.5	B31.12-IP-19
49(OCC)		4740.4	183400.5	2.6		5493.6	183400.5	3.0	B31.12-IP-19
50(OCC)		5368.4	183400.5	2.9		6979.4	183400.5	3.8	B31.12-IP-19
51(OCC)		5268.4	183400.5	2.9		7466.0	183400.5	4.1	B31.12-IP-19
52(OCC)		5004.2	183400.5	2.7		6580.5	183400.5	3.6	B31.12-IP-19
53(OCC)		4475.1	183400.5	2.4		4537.8	183400.5	2.5	B31.12-IP-19
54(OCC)		4583.4	183400.5	2.5		4725.4	183400.5	2.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	640	71366.2	137895.1	51.8	690	52412.7	137895.1	38.0	B31.12-IP-19
4(Alt-SUS)		70518.8	137895.1	51.1		52039.1	137895.1	37.7	B31.12-IP-19
6(Alt-SUS)		70207.1	137895.1	50.9		51898.1	137895.1	37.6	B31.12-IP-19
8(Alt-SUS)		70237.7	137895.1	50.9		51912.3	137895.1	37.6	B31.12-IP-19
14(SUS)		70199.7	137895.1	50.9		51893.4	137895.1	37.6	B31.12-IP-19
24(EXP)		50703.9	273371.6	18.5		12612.8	292325.1	4.3	B31.12-IP-19
25(EXP)		11978.8	273371.6	4.4		3031.1	292325.1	1.0	B31.12-IP-19
26(EXP)		8394.1	273371.6	3.1		2121.1	292325.1	0.7	B31.12-IP-19
27(EXP)		29885.8	273371.6	10.9		7571.9	292325.1	2.6	B31.12-IP-19
28(EXP)		41864.6	273371.6	15.3		10603.0	292325.1	3.6	B31.12-IP-19
42(OCC)		70812.5	183400.5	38.6		52113.8	183400.5	28.4	B31.12-IP-19
43(OCC)		70729.2	183400.5	38.6		52120.5	183400.5	28.4	B31.12-IP-19
44(OCC)		70411.1	183400.5	38.4		51996.3	183400.5	28.4	B31.12-IP-19
45(OCC)		70362.4	183400.5	38.4		51977.1	183400.5	28.3	B31.12-IP-19
46(OCC)		70244.4	183400.5	38.3		51913.8	183400.5	28.3	B31.12-IP-19
47(OCC)		91388.8	183400.5	49.8		57694.8	183400.5	31.5	B31.12-IP-19
48(OCC)		86234.0	183400.5	47.0		56523.6	183400.5	30.8	B31.12-IP-19
49(OCC)		85325.8	183400.5	46.5		56978.5	183400.5	31.1	B31.12-IP-19
50(OCC)		81732.8	183400.5	44.6		55596.6	183400.5	30.3	B31.12-IP-19
51(OCC)		86980.1	183400.5	47.4		57050.2	183400.5	31.1	B31.12-IP-19
52(OCC)		91881.9	183400.5	50.1		58228.1	183400.5	31.7	B31.12-IP-19
53(OCC)		82365.8	183400.5	44.9		55787.3	183400.5	30.4	B31.12-IP-19
54(OCC)		85525.8	183400.5	46.6		57105.5	183400.5	31.1	B31.12-IP-19
2(Alt-SUS)	690	52412.7	137895.1	38.0	700	40880.2	137895.1	29.6	B31.12-IP-19
4(Alt-SUS)		52039.1	137895.1	37.7		39828.2	137895.1	28.9	B31.12-IP-19
6(Alt-SUS)		51898.1	137895.1	37.6		39417.2	137895.1	28.6	B31.12-IP-19
8(Alt-SUS)		51912.3	137895.1	37.6		39458.0	137895.1	28.6	B31.12-IP-19
14(SUS)		51893.4	137895.1	37.6		39407.9	137895.1	28.6	B31.12-IP-19
24(EXP)		12612.8	292325.1	4.3		20351.4	303857.7	6.7	B31.12-IP-19
25(EXP)		3031.1	292325.1	1.0		5048.1	303857.7	1.7	B31.12-IP-19
26(EXP)		2121.1	292325.1	0.7		3527.3	303857.7	1.2	B31.12-IP-19
27(EXP)		7571.9	292325.1	2.6		12642.5	303857.7	4.2	B31.12-IP-19
28(EXP)		10603.0	292325.1	3.6		17690.6	303857.7	5.8	B31.12-IP-19
42(OCC)		52113.8	183400.5	28.4		39710.0	183400.5	21.7	B31.12-IP-19
43(OCC)		52120.5	183400.5	28.4		39788.1	183400.5	21.7	B31.12-IP-19
44(OCC)		51996.3	183400.5	28.4		39611.0	183400.5	21.6	B31.12-IP-19
45(OCC)		51977.1	183400.5	28.3		39567.1	183400.5	21.6	B31.12-IP-19
46(OCC)		51913.8	183400.5	28.3		39465.8	183400.5	21.5	B31.12-IP-19
47(OCC)		57694.8	183400.5	31.5		46664.8	183400.5	25.4	B31.12-IP-19
48(OCC)		56523.6	183400.5	30.8		45107.5	183400.5	24.6	B31.12-IP-19
49(OCC)		56978.5	183400.5	31.1		45728.1	183400.5	24.9	B31.12-IP-19
50(OCC)		55596.6	183400.5	30.3		43578.8	183400.5	23.8	B31.12-IP-19
51(OCC)		57050.2	183400.5	31.1		45589.7	183400.5	24.9	B31.12-IP-19
52(OCC)		58228.1	183400.5	31.7		47559.4	183400.5	25.9	B31.12-IP-19
53(OCC)		55787.3	183400.5	30.4		43876.6	183400.5	23.9	B31.12-IP-19
54(OCC)		57105.5	183400.5	31.1		46047.1	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	700	0.0	0.0	0.0	710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	680	5528.3	137895.1	4.0	720	5439.6	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
14(SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
24(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
25(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
26(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
27(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
28(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
42(OCC)		5528.6	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
43(OCC)		5528.6	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
44(OCC)		5562.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
45(OCC)		5562.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
46(OCC)		5528.3	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
47(OCC)		5584.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
48(OCC)		5585.0	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
49(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
50(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
51(OCC)		5585.0	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
52(OCC)		5584.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
53(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
54(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	680	5874.8	137895.1	4.3	705	6517.4	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		5861.2	137895.1	4.3		6528.3	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		5869.4	137895.1	4.3		6520.8	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		5872.6	137895.1	4.3		6519.6	137895.1	4.7	B31.12-IP-19
14(SUS)		5870.5	137895.1	4.3		6519.8	137895.1	4.7	B31.12-IP-19
24(EXP)		21118.7	338863.1	6.2		7741.0	338209.6	2.3	B31.12-IP-19
25(EXP)		4474.9	338863.1	1.3		1801.5	338209.6	0.5	B31.12-IP-19
26(EXP)		3256.4	338863.1	1.0		1198.3	338209.6	0.4	B31.12-IP-19
27(EXP)		11485.8	338863.1	3.4		4568.0	338209.6	1.4	B31.12-IP-19
28(EXP)		15958.4	338863.1	4.7		6369.0	338209.6	1.9	B31.12-IP-19
42(OCC)		6814.4	183400.5	3.7		7020.0	183400.5	3.8	B31.12-IP-19
43(OCC)		6602.3	183400.5	3.6		6843.4	183400.5	3.7	B31.12-IP-19
44(OCC)		6001.5	183400.5	3.3		7397.1	183400.5	4.0	B31.12-IP-19
45(OCC)		5918.3	183400.5	3.2		7308.9	183400.5	4.0	B31.12-IP-19
46(OCC)		5871.6	183400.5	3.2		6520.8	183400.5	3.6	B31.12-IP-19
47(OCC)		7261.1	183400.5	4.0		7398.3	183400.5	4.0	B31.12-IP-19
48(OCC)		6746.5	183400.5	3.7		7206.5	183400.5	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		6398.1	183400.5	3.5		8297.5	183400.5	4.5	B31.12-IP-19
50(OCC)		7015.6	183400.5	3.8		7932.3	183400.5	4.3	B31.12-IP-19
51(OCC)		7163.2	183400.5	3.9		7537.4	183400.5	4.1	B31.12-IP-19
52(OCC)		6855.8	183400.5	3.7		7296.0	183400.5	4.0	B31.12-IP-19
53(OCC)		6134.6	183400.5	3.3		8000.9	183400.5	4.4	B31.12-IP-19
54(OCC)		6074.6	183400.5	3.3		7984.3	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	705	6519.9	137895.1	4.7	730	5683.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		6530.8	137895.1	4.7		5490.2	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		6523.3	137895.1	4.7		5660.0	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		6522.1	137895.1	4.7		5680.3	137895.1	4.1	B31.12-IP-19
14(SUS)		6520.8	137895.1	4.7		5669.6	137895.1	4.1	B31.12-IP-19
24(EXP)		7741.0	338207.1	2.3		38108.3	339054.8	11.2	B31.12-IP-19
25(EXP)		1801.5	338207.1	0.5		7613.4	339054.8	2.2	B31.12-IP-19
26(EXP)		1198.3	338207.1	0.4		8541.9	339054.8	2.5	B31.12-IP-19
27(EXP)		4568.0	338207.1	1.4		19817.7	339054.8	5.8	B31.12-IP-19
28(EXP)		6369.0	338207.1	1.9		27392.8	339054.8	8.1	B31.12-IP-19
42(OCC)		7008.5	183400.5	3.8		8076.3	183400.5	4.4	B31.12-IP-19
43(OCC)		6846.3	183400.5	3.7		6736.3	183400.5	3.7	B31.12-IP-19
44(OCC)		7440.1	183400.5	4.1		10927.4	183400.5	6.0	B31.12-IP-19
45(OCC)		7352.9	183400.5	4.0		9233.9	183400.5	5.0	B31.12-IP-19
46(OCC)		6521.9	183400.5	3.6		5673.1	183400.5	3.1	B31.12-IP-19
47(OCC)		7420.4	183400.5	4.0		9888.5	183400.5	5.4	B31.12-IP-19
48(OCC)		7176.2	183400.5	3.9		8256.8	183400.5	4.5	B31.12-IP-19
49(OCC)		8342.8	183400.5	4.5		15408.1	183400.5	8.4	B31.12-IP-19
50(OCC)		7927.1	183400.5	4.3		9600.2	183400.5	5.2	B31.12-IP-19
51(OCC)		7482.1	183400.5	4.1		9985.2	183400.5	5.4	B31.12-IP-19
52(OCC)		7341.2	183400.5	4.0		8463.9	183400.5	4.6	B31.12-IP-19
53(OCC)		8113.0	183400.5	4.4		12909.9	183400.5	7.0	B31.12-IP-19
54(OCC)		8087.4	183400.5	4.4		9665.7	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	730	5614.7	137895.1	4.1	735	7449.4	137895.1	5.4	B31.12-IP-19
4(Alt-SUS)		5757.9	137895.1	4.2		7566.9	137895.1	5.5	B31.12-IP-19
6(Alt-SUS)		5625.0	137895.1	4.1		7461.4	137895.1	5.4	B31.12-IP-19
8(Alt-SUS)		5606.5	137895.1	4.1		7449.9	137895.1	5.4	B31.12-IP-19
14(SUS)		5631.8	137895.1	4.1		7452.4	137895.1	5.4	B31.12-IP-19
24(EXP)		41275.4	338980.0	12.2		13118.3	337170.9	3.9	B31.12-IP-19
25(EXP)		8241.1	338980.0	2.4		2750.1	337170.9	0.8	B31.12-IP-19
26(EXP)		8901.0	338980.0	2.6		3210.8	337170.9	1.0	B31.12-IP-19
27(EXP)		21806.0	338980.0	6.4		7064.6	337170.9	2.1	B31.12-IP-19
28(EXP)		30035.0	338980.0	8.9		9787.8	337170.9	2.9	B31.12-IP-19
42(OCC)		6949.7	183400.5	3.8		8550.6	183400.5	4.7	B31.12-IP-19
43(OCC)		7458.6	183400.5	4.1		8467.4	183400.5	4.6	B31.12-IP-19
44(OCC)		10228.6	183400.5	5.6		9374.5	183400.5	5.1	B31.12-IP-19
45(OCC)		8865.4	183400.5	4.8		8391.5	183400.5	4.6	B31.12-IP-19
46(OCC)		5636.0	183400.5	3.1		7454.4	183400.5	4.1	B31.12-IP-19
47(OCC)		8067.0	183400.5	4.4		9765.7	183400.5	5.3	B31.12-IP-19
48(OCC)		8780.2	183400.5	4.8		10053.0	183400.5	5.5	B31.12-IP-19
49(OCC)		13904.6	183400.5	7.6		11291.7	183400.5	6.2	B31.12-IP-19
50(OCC)		7985.6	183400.5	4.4		8639.7	183400.5	4.7	B31.12-IP-19
51(OCC)		8464.3	183400.5	4.6		10021.2	183400.5	5.5	B31.12-IP-19
52(OCC)		9162.2	183400.5	5.0		9818.0	183400.5	5.4	B31.12-IP-19
53(OCC)		12065.4	183400.5	6.6		10156.3	183400.5	5.5	B31.12-IP-19
54(OCC)		9244.3	183400.5	5.0		8592.0	183400.5	4.7	B31.12-IP-19
2(Alt-SUS)	735	7439.8	137895.1	5.4	740	5906.8	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		7553.6	137895.1	5.5		5970.4	137895.1	4.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		7455.9	137895.1	5.4		5917.5	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		7440.5	137895.1	5.4		5906.8	137895.1	4.3	B31.12-IP-19
14(SUS)		7459.7	137895.1	5.4		5925.5	137895.1	4.3	B31.12-IP-19
24(EXP)		13118.3	337184.2	3.9		4819.8	338767.4	1.4	B31.12-IP-19
25(EXP)		2750.1	337184.2	0.8		816.2	338767.4	0.2	B31.12-IP-19
26(EXP)		3210.8	337184.2	1.0		1154.1	338767.4	0.3	B31.12-IP-19
27(EXP)		7064.6	337184.2	2.1		2499.2	338767.4	0.7	B31.12-IP-19
28(EXP)		9787.8	337184.2	2.9		3295.7	338767.4	1.0	B31.12-IP-19
42(OCC)		8575.7	183400.5	4.7		6604.9	183400.5	3.6	B31.12-IP-19
43(OCC)		8494.6	183400.5	4.6		6342.9	183400.5	3.5	B31.12-IP-19
44(OCC)		9336.5	183400.5	5.1		7533.2	183400.5	4.1	B31.12-IP-19
45(OCC)		8375.5	183400.5	4.6		7090.4	183400.5	3.9	B31.12-IP-19
46(OCC)		7461.8	183400.5	4.1		5927.2	183400.5	3.2	B31.12-IP-19
47(OCC)		9641.6	183400.5	5.3		7157.6	183400.5	3.9	B31.12-IP-19
48(OCC)		10119.5	183400.5	5.5		7138.9	183400.5	3.9	B31.12-IP-19
49(OCC)		11262.2	183400.5	6.1		8776.1	183400.5	4.8	B31.12-IP-19
50(OCC)		8652.5	183400.5	4.7		7419.5	183400.5	4.0	B31.12-IP-19
51(OCC)		10067.9	183400.5	5.5		7212.9	183400.5	3.9	B31.12-IP-19
52(OCC)		9767.1	183400.5	5.3		6959.7	183400.5	3.8	B31.12-IP-19
53(OCC)		10028.9	183400.5	5.5		8156.2	183400.5	4.4	B31.12-IP-19
54(OCC)		8525.1	183400.5	4.6		7269.4	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	740	5906.8	137895.1	4.3	750	6283.6	137895.1	4.6	B31.12-IP-19
4(Alt-SUS)		5970.4	137895.1	4.3		7034.0	137895.1	5.1	B31.12-IP-19
6(Alt-SUS)		5917.5	137895.1	4.3		6365.9	137895.1	4.6	B31.12-IP-19
8(Alt-SUS)		5906.8	137895.1	4.3		6283.5	137895.1	4.6	B31.12-IP-19
14(SUS)		5925.5	137895.1	4.3		6335.7	137895.1	4.6	B31.12-IP-19
24(EXP)		4819.8	338767.4	1.4		13418.7	337703.9	4.0	B31.12-IP-19
25(EXP)		816.2	338767.4	0.2		4029.5	337703.9	1.2	B31.12-IP-19
26(EXP)		1154.1	338767.4	0.3		3152.2	337703.9	0.9	B31.12-IP-19
27(EXP)		2499.2	338767.4	0.7		8293.7	337703.9	2.5	B31.12-IP-19
28(EXP)		3295.7	338767.4	1.0		11280.5	337703.9	3.3	B31.12-IP-19
42(OCC)		6604.9	183400.5	3.6		7319.5	183400.5	4.0	B31.12-IP-19
43(OCC)		6342.9	183400.5	3.5		7520.3	183400.5	4.1	B31.12-IP-19
44(OCC)		7533.2	183400.5	4.1		6665.6	183400.5	3.6	B31.12-IP-19
45(OCC)		7090.4	183400.5	3.9		6804.2	183400.5	3.7	B31.12-IP-19
46(OCC)		5927.1	183400.5	3.2		6346.7	183400.5	3.5	B31.12-IP-19
47(OCC)		7157.5	183400.5	3.9		8421.8	183400.5	4.6	B31.12-IP-19
48(OCC)		7138.9	183400.5	3.9		9197.9	183400.5	5.0	B31.12-IP-19
49(OCC)		8776.1	183400.5	4.8		7111.9	183400.5	3.9	B31.12-IP-19
50(OCC)		7419.5	183400.5	4.0		8430.5	183400.5	4.6	B31.12-IP-19
51(OCC)		7212.9	183400.5	3.9		8630.2	183400.5	4.7	B31.12-IP-19
52(OCC)		6959.7	183400.5	3.8		7987.9	183400.5	4.4	B31.12-IP-19
53(OCC)		8156.2	183400.5	4.4		7689.4	183400.5	4.2	B31.12-IP-19
54(OCC)		7269.4	183400.5	4.0		7370.8	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	750	5709.5	137895.1	4.1	758	5688.8	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5969.9	137895.1	4.3		5488.7	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		5627.9	137895.1	4.1		5662.7	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5711.7	137895.1	4.1		5689.2	137895.1	4.1	B31.12-IP-19
14(SUS)		5672.3	137895.1	4.1		5686.3	137895.1	4.1	B31.12-IP-19
24(EXP)		14668.6	338767.9	4.3		6892.0	339048.7	2.0	B31.12-IP-19
25(EXP)		5400.9	338767.9	1.6		1751.6	339048.7	0.5	B31.12-IP-19
26(EXP)		2505.1	338767.9	0.7		1328.6	339048.7	0.4	B31.12-IP-19
27(EXP)		7568.0	338767.9	2.2		3862.1	339048.7	1.1	B31.12-IP-19
28(EXP)		12511.8	338767.9	3.7		5455.1	339048.7	1.6	B31.12-IP-19
42(OCC)		6580.2	183400.5	3.6		6097.8	183400.5	3.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		6694.5	183400.5	3.7		6034.5	183400.5	3.3	B31.12-IP-19
44(OCC)		6746.0	183400.5	3.7		5834.7	183400.5	3.2	B31.12-IP-19
45(OCC)		6691.9	183400.5	3.6		5839.3	183400.5	3.2	B31.12-IP-19
46(OCC)		5683.4	183400.5	3.1		5690.3	183400.5	3.1	B31.12-IP-19
47(OCC)		8190.1	183400.5	4.5		6805.0	183400.5	3.7	B31.12-IP-19
48(OCC)		8263.0	183400.5	4.5		6561.5	183400.5	3.6	B31.12-IP-19
49(OCC)		7845.1	183400.5	4.3		6282.1	183400.5	3.4	B31.12-IP-19
50(OCC)		7040.9	183400.5	3.8		5932.1	183400.5	3.2	B31.12-IP-19
51(OCC)		7631.5	183400.5	4.2		6532.0	183400.5	3.6	B31.12-IP-19
52(OCC)		7904.3	183400.5	4.3		6599.5	183400.5	3.6	B31.12-IP-19
53(OCC)		7653.5	183400.5	4.2		6019.2	183400.5	3.3	B31.12-IP-19
54(OCC)		7381.4	183400.5	4.0		5991.0	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	758	6087.6	137895.1	4.4	759	5677.3	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5574.8	137895.1	4.0		5659.5	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6010.9	137895.1	4.4		5634.1	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		6087.8	137895.1	4.4		5680.8	137895.1	4.1	B31.12-IP-19
14(SUS)		6054.7	137895.1	4.4		5665.8	137895.1	4.1	B31.12-IP-19
24(EXP)		28720.7	338650.0	8.5		44345.9	339057.0	13.1	B31.12-IP-19
25(EXP)		6790.4	338650.0	2.0		9124.6	339057.0	2.7	B31.12-IP-19
26(EXP)		5530.9	338650.0	1.6		8030.3	339057.0	2.4	B31.12-IP-19
27(EXP)		16020.4	338650.0	4.7		24231.4	339057.0	7.1	B31.12-IP-19
28(EXP)		22340.8	338650.0	6.6		33222.9	339057.0	9.8	B31.12-IP-19
42(OCC)		7094.0	183400.5	3.9		6551.2	183400.5	3.6	B31.12-IP-19
43(OCC)		6909.6	183400.5	3.8		6218.7	183400.5	3.4	B31.12-IP-19
44(OCC)		6342.3	183400.5	3.5		7387.2	183400.5	4.0	B31.12-IP-19
45(OCC)		6383.4	183400.5	3.5		6924.7	183400.5	3.8	B31.12-IP-19
46(OCC)		6064.7	183400.5	3.3		5672.8	183400.5	3.1	B31.12-IP-19
47(OCC)		8672.9	183400.5	4.7		7693.4	183400.5	4.2	B31.12-IP-19
48(OCC)		8184.4	183400.5	4.5		6943.9	183400.5	3.8	B31.12-IP-19
49(OCC)		7382.0	183400.5	4.0		8925.9	183400.5	4.9	B31.12-IP-19
50(OCC)		6566.4	183400.5	3.6		6917.3	183400.5	3.8	B31.12-IP-19
51(OCC)		8222.9	183400.5	4.5		7469.3	183400.5	4.1	B31.12-IP-19
52(OCC)		8148.2	183400.5	4.4		7098.1	183400.5	3.9	B31.12-IP-19
53(OCC)		6598.2	183400.5	3.6		7885.1	183400.5	4.3	B31.12-IP-19
54(OCC)		6715.4	183400.5	3.7		7105.3	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	759	5677.3	137895.1	4.1	760	5653.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5659.5	137895.1	4.1		5586.1	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		5634.1	137895.1	4.1		5596.3	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5680.8	137895.1	4.1		5638.9	137895.1	4.1	B31.12-IP-19
14(SUS)		5665.8	137895.1	4.1		5528.5	137895.1	4.0	B31.12-IP-19
24(EXP)		44345.9	339057.0	13.1		42672.3	339084.7	12.6	B31.12-IP-19
25(EXP)		9124.6	339057.0	2.7		9189.5	339084.7	2.7	B31.12-IP-19
26(EXP)		8030.3	339057.0	2.4		6855.7	339084.7	2.0	B31.12-IP-19
27(EXP)		24231.4	339057.0	7.1		22622.3	339084.7	6.7	B31.12-IP-19
28(EXP)		33222.9	339057.0	9.8		31770.0	339084.7	9.4	B31.12-IP-19
42(OCC)		6551.2	183400.5	3.6		5943.7	183400.5	3.2	B31.12-IP-19
43(OCC)		6218.7	183400.5	3.4		6502.0	183400.5	3.5	B31.12-IP-19
44(OCC)		7387.2	183400.5	4.0		7647.0	183400.5	4.2	B31.12-IP-19
45(OCC)		6924.7	183400.5	3.8		7076.8	183400.5	3.9	B31.12-IP-19
46(OCC)		5672.8	183400.5	3.1		5533.7	183400.5	3.0	B31.12-IP-19
47(OCC)		7693.4	183400.5	4.2		6949.5	183400.5	3.8	B31.12-IP-19
48(OCC)		6943.9	183400.5	3.8		7896.5	183400.5	4.3	B31.12-IP-19
49(OCC)		8925.9	183400.5	4.9		9159.3	183400.5	5.0	B31.12-IP-19
50(OCC)		6917.3	183400.5	3.8		7522.1	183400.5	4.1	B31.12-IP-19
51(OCC)		7469.3	183400.5	4.1		5972.7	183400.5	3.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		7098.1	183400.5	3.9		7703.4	183400.5	4.2	B31.12-IP-19
53(OCC)		7885.1	183400.5	4.3		8724.6	183400.5	4.8	B31.12-IP-19
54(OCC)		7105.3	183400.5	3.9		7433.7	183400.5	4.1	B31.12-IP-19
2(Alt-SUS)	760	5536.6	137895.1	4.0	770	6523.1	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		5494.8	137895.1	4.0		6465.0	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		5515.4	137895.1	4.0		6507.6	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		5532.0	137895.1	4.0		6521.1	137895.1	4.7	B31.12-IP-19
14(SUS)		5495.9	137895.1	4.0		6497.9	137895.1	4.7	B31.12-IP-19
24(EXP)		10884.9	339201.3	3.2		11127.0	338214.7	3.3	B31.12-IP-19
25(EXP)		2267.1	339201.3	0.7		2187.9	338214.7	0.6	B31.12-IP-19
26(EXP)		1745.5	339201.3	0.5		1593.7	338214.7	0.5	B31.12-IP-19
27(EXP)		5845.8	339201.3	1.7		5872.2	338214.7	1.7	B31.12-IP-19
28(EXP)		7968.5	339201.3	2.3		7915.7	338214.7	2.3	B31.12-IP-19
42(OCC)		5847.3	183400.5	3.2		6901.1	183400.5	3.8	B31.12-IP-19
43(OCC)		5921.5	183400.5	3.2		7093.8	183400.5	3.9	B31.12-IP-19
44(OCC)		6271.4	183400.5	3.4		7045.4	183400.5	3.8	B31.12-IP-19
45(OCC)		6079.3	183400.5	3.3		6869.7	183400.5	3.7	B31.12-IP-19
46(OCC)		5500.1	183400.5	3.0		6502.9	183400.5	3.5	B31.12-IP-19
47(OCC)		6801.1	183400.5	3.7		7956.4	183400.5	4.3	B31.12-IP-19
48(OCC)		6398.9	183400.5	3.5		8345.6	183400.5	4.6	B31.12-IP-19
49(OCC)		6943.0	183400.5	3.8		7593.2	183400.5	4.1	B31.12-IP-19
50(OCC)		6233.8	183400.5	3.4		7475.1	183400.5	4.1	B31.12-IP-19
51(OCC)		5900.2	183400.5	3.2		7641.0	183400.5	4.2	B31.12-IP-19
52(OCC)		6641.3	183400.5	3.6		8127.5	183400.5	4.4	B31.12-IP-19
53(OCC)		6665.3	183400.5	3.6		7757.1	183400.5	4.2	B31.12-IP-19
54(OCC)		6253.3	183400.5	3.4		7249.2	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	770	6523.1	137895.1	4.7	775	7645.2	137895.1	5.5	B31.12-IP-19
4(Alt-SUS)		6464.9	137895.1	4.7		7535.1	137895.1	5.5	B31.12-IP-19
6(Alt-SUS)		6507.6	137895.1	4.7		7620.8	137895.1	5.5	B31.12-IP-19
8(Alt-SUS)		6521.1	137895.1	4.7		7641.7	137895.1	5.5	B31.12-IP-19
14(SUS)		6497.9	137895.1	4.7		7608.2	137895.1	5.5	B31.12-IP-19
24(EXP)		11127.0	338214.8	3.3		14655.5	337092.6	4.3	B31.12-IP-19
25(EXP)		2187.9	338214.8	0.6		2769.3	337092.6	0.8	B31.12-IP-19
26(EXP)		1593.7	338214.8	0.5		2428.0	337092.6	0.7	B31.12-IP-19
27(EXP)		5872.2	338214.8	1.7		7832.9	337092.6	2.3	B31.12-IP-19
28(EXP)		7915.7	338214.8	2.3		10493.8	337092.6	3.1	B31.12-IP-19
42(OCC)		6901.1	183400.5	3.8		8070.5	183400.5	4.4	B31.12-IP-19
43(OCC)		7093.8	183400.5	3.9		8245.8	183400.5	4.5	B31.12-IP-19
44(OCC)		7045.4	183400.5	3.8		8006.8	183400.5	4.4	B31.12-IP-19
45(OCC)		6869.7	183400.5	3.7		7865.6	183400.5	4.3	B31.12-IP-19
46(OCC)		6502.9	183400.5	3.5		7614.2	183400.5	4.2	B31.12-IP-19
47(OCC)		7956.4	183400.5	4.3		9533.7	183400.5	5.2	B31.12-IP-19
48(OCC)		8345.5	183400.5	4.6		10154.6	183400.5	5.5	B31.12-IP-19
49(OCC)		7593.2	183400.5	4.1		9012.3	183400.5	4.9	B31.12-IP-19
50(OCC)		7475.1	183400.5	4.1		9054.3	183400.5	4.9	B31.12-IP-19
51(OCC)		7641.0	183400.5	4.2		9413.2	183400.5	5.1	B31.12-IP-19
52(OCC)		8127.5	183400.5	4.4		9718.5	183400.5	5.3	B31.12-IP-19
53(OCC)		7757.1	183400.5	4.2		9277.3	183400.5	5.1	B31.12-IP-19
54(OCC)		7249.2	183400.5	4.0		8811.6	183400.5	4.8	B31.12-IP-19
2(Alt-SUS)	775	7649.4	137895.1	5.5	780	7707.2	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		7539.0	137895.1	5.5		7701.8	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		7624.9	137895.1	5.5		7526.5	137895.1	5.5	B31.12-IP-19
8(Alt-SUS)		7645.9	137895.1	5.5		7671.8	137895.1	5.6	B31.12-IP-19
14(SUS)		7604.5	137895.1	5.5		7297.7	137895.1	5.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		14655.5	337088.5	4.3		36423.4	337030.7	10.8	B31.12-IP-19
25(EXP)		2769.3	337088.5	0.8		8425.3	337030.7	2.5	B31.12-IP-19
26(EXP)		2428.0	337088.5	0.7		9310.2	337030.7	2.8	B31.12-IP-19
27(EXP)		7832.9	337088.5	2.3		21072.3	337030.7	6.3	B31.12-IP-19
28(EXP)		10493.8	337088.5	3.1		29431.2	337030.7	8.7	B31.12-IP-19
42(OCC)		8065.0	183400.5	4.4		8186.0	183400.5	4.5	B31.12-IP-19
43(OCC)		8264.3	183400.5	4.5		9213.6	183400.5	5.0	B31.12-IP-19
44(OCC)		7976.4	183400.5	4.3		7749.0	183400.5	4.2	B31.12-IP-19
45(OCC)		7858.6	183400.5	4.3		7991.6	183400.5	4.4	B31.12-IP-19
46(OCC)		7610.8	183400.5	4.1		7327.7	183400.5	4.0	B31.12-IP-19
47(OCC)		9527.3	183400.5	5.2		8864.5	183400.5	4.8	B31.12-IP-19
48(OCC)		10130.1	183400.5	5.5		16148.5	183400.5	8.8	B31.12-IP-19
49(OCC)		9024.9	183400.5	4.9		10498.7	183400.5	5.7	B31.12-IP-19
50(OCC)		8990.7	183400.5	4.9		8698.9	183400.5	4.7	B31.12-IP-19
51(OCC)		9452.0	183400.5	5.2		13399.4	183400.5	7.3	B31.12-IP-19
52(OCC)		9768.8	183400.5	5.3		13321.3	183400.5	7.3	B31.12-IP-19
53(OCC)		9171.4	183400.5	5.0		8787.4	183400.5	4.8	B31.12-IP-19
54(OCC)		8852.6	183400.5	4.8		9624.5	183400.5	5.2	B31.12-IP-19
2(Alt-SUS)	780	7463.3	137895.1	5.4	785	6526.2	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		7547.2	137895.1	5.5		6058.8	137895.1	4.4	B31.12-IP-19
6(Alt-SUS)		7450.8	137895.1	5.4		6480.5	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		7456.4	137895.1	5.4		6524.9	137895.1	4.7	B31.12-IP-19
14(SUS)		7426.9	137895.1	5.4		6436.1	137895.1	4.7	B31.12-IP-19
24(EXP)		30771.1	337190.7	9.1		17535.0	338211.7	5.2	B31.12-IP-19
25(EXP)		7682.0	337190.7	2.3		4620.2	338211.7	1.4	B31.12-IP-19
26(EXP)		7481.7	337190.7	2.2		4056.6	338211.7	1.2	B31.12-IP-19
27(EXP)		17549.5	337190.7	5.2		10008.2	338211.7	3.0	B31.12-IP-19
28(EXP)		25142.2	337190.7	7.5		14313.7	338211.7	4.2	B31.12-IP-19
42(OCC)		7621.2	183400.5	4.2		8090.1	183400.5	4.4	B31.12-IP-19
43(OCC)		8613.0	183400.5	4.7		7634.0	183400.5	4.2	B31.12-IP-19
44(OCC)		8348.8	183400.5	4.6		7534.5	183400.5	4.1	B31.12-IP-19
45(OCC)		8314.9	183400.5	4.5		7446.9	183400.5	4.1	B31.12-IP-19
46(OCC)		7432.2	183400.5	4.1		6440.6	183400.5	3.5	B31.12-IP-19
47(OCC)		12330.8	183400.5	6.7		12012.6	183400.5	6.5	B31.12-IP-19
48(OCC)		10227.1	183400.5	5.6		8828.6	183400.5	4.8	B31.12-IP-19
49(OCC)		9685.0	183400.5	5.3		8389.1	183400.5	4.6	B31.12-IP-19
50(OCC)		10050.0	183400.5	5.5		8486.0	183400.5	4.6	B31.12-IP-19
51(OCC)		9576.3	183400.5	5.2		8616.2	183400.5	4.7	B31.12-IP-19
52(OCC)		9266.9	183400.5	5.1		8819.2	183400.5	4.8	B31.12-IP-19
53(OCC)		11400.3	183400.5	6.2		8494.3	183400.5	4.6	B31.12-IP-19
54(OCC)		8653.5	183400.5	4.7		8278.5	183400.5	4.5	B31.12-IP-19
2(Alt-SUS)	785	6525.8	137895.1	4.7	790	5650.3	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		6058.9	137895.1	4.4		5607.1	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6480.2	137895.1	4.7		5640.0	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		6524.6	137895.1	4.7		5656.6	137895.1	4.1	B31.12-IP-19
14(SUS)		6428.0	137895.1	4.7		5562.7	137895.1	4.0	B31.12-IP-19
24(EXP)		17535.0	338212.0	5.2		11409.2	339081.3	3.4	B31.12-IP-19
25(EXP)		4620.2	338212.0	1.4		1159.4	339081.3	0.3	B31.12-IP-19
26(EXP)		4056.6	338212.0	1.2		1468.5	339081.3	0.4	B31.12-IP-19
27(EXP)		10008.2	338212.0	3.0		6428.1	339081.3	1.9	B31.12-IP-19
28(EXP)		14313.7	338212.0	4.2		7432.9	339081.3	2.2	B31.12-IP-19
42(OCC)		8124.1	183400.5	4.4		5950.3	183400.5	3.2	B31.12-IP-19
43(OCC)		7688.9	183400.5	4.2		5812.8	183400.5	3.2	B31.12-IP-19
44(OCC)		7544.2	183400.5	4.1		6379.8	183400.5	3.5	B31.12-IP-19
45(OCC)		7457.4	183400.5	4.1		6401.9	183400.5	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		6432.6	183400.5	3.5		5566.7	183400.5	3.0	B31.12-IP-19
47(OCC)		12030.0	183400.5	6.6		6941.0	183400.5	3.8	B31.12-IP-19
48(OCC)		8930.1	183400.5	4.9		6275.6	183400.5	3.4	B31.12-IP-19
49(OCC)		8426.9	183400.5	4.6		7128.7	183400.5	3.9	B31.12-IP-19
50(OCC)		8514.7	183400.5	4.6		7099.1	183400.5	3.9	B31.12-IP-19
51(OCC)		8550.1	183400.5	4.7		5872.9	183400.5	3.2	B31.12-IP-19
52(OCC)		8914.0	183400.5	4.9		6153.3	183400.5	3.4	B31.12-IP-19
53(OCC)		8520.4	183400.5	4.6		7020.0	183400.5	3.8	B31.12-IP-19
54(OCC)		8309.9	183400.5	4.5		7210.7	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	790	5650.2	137895.1	4.1	792	15199.1	137895.1	11.0	B31.12-IP-19
4(Alt-SUS)		5607.1	137895.1	4.1		14814.7	137895.1	10.7	B31.12-IP-19
6(Alt-SUS)		5639.9	137895.1	4.1		15266.8	137895.1	11.1	B31.12-IP-19
8(Alt-SUS)		5656.4	137895.1	4.1		15205.4	137895.1	11.0	B31.12-IP-19
14(SUS)		5562.6	137895.1	4.0		15232.5	137895.1	11.0	B31.12-IP-19
24(EXP)		11409.2	339081.4	3.4		31137.8	329471.0	9.5	B31.12-IP-19
25(EXP)		1159.4	339081.4	0.3		10793.9	329471.0	3.3	B31.12-IP-19
26(EXP)		1468.5	339081.4	0.4		10736.9	329471.0	3.3	B31.12-IP-19
27(EXP)		6428.1	339081.4	1.9		23321.6	329471.0	7.1	B31.12-IP-19
28(EXP)		7432.9	339081.4	2.2		31685.2	329471.0	9.6	B31.12-IP-19
42(OCC)		5950.2	183400.5	3.2		18138.0	183400.5	9.9	B31.12-IP-19
43(OCC)		5812.7	183400.5	3.2		17116.7	183400.5	9.3	B31.12-IP-19
44(OCC)		6379.6	183400.5	3.5		20071.3	183400.5	10.9	B31.12-IP-19
45(OCC)		6401.8	183400.5	3.5		20015.6	183400.5	10.9	B31.12-IP-19
46(OCC)		5566.6	183400.5	3.0		15241.0	183400.5	8.3	B31.12-IP-19
47(OCC)		6940.9	183400.5	3.8		30819.1	183400.5	16.8	B31.12-IP-19
48(OCC)		6275.4	183400.5	3.4		17606.0	183400.5	9.6	B31.12-IP-19
49(OCC)		7128.5	183400.5	3.9		24612.6	183400.5	13.4	B31.12-IP-19
50(OCC)		7098.9	183400.5	3.9		22119.3	183400.5	12.1	B31.12-IP-19
51(OCC)		5872.7	183400.5	3.2		17495.3	183400.5	9.5	B31.12-IP-19
52(OCC)		6153.2	183400.5	3.4		23377.2	183400.5	12.7	B31.12-IP-19
53(OCC)		7019.8	183400.5	3.8		22492.3	183400.5	12.3	B31.12-IP-19
54(OCC)		7210.6	183400.5	3.9		25789.6	183400.5	14.1	B31.12-IP-19
2(Alt-SUS)	792	15546.6	137895.1	11.3	795	7305.6	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		15483.2	137895.1	11.2		6438.3	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		15674.6	137895.1	11.4		7219.7	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		15553.8	137895.1	11.3		7307.6	137895.1	5.3	B31.12-IP-19
14(SUS)		15714.2	137895.1	11.4		7149.1	137895.1	5.2	B31.12-IP-19
24(EXP)		70156.3	329023.7	21.3		11927.0	337430.2	3.5	B31.12-IP-19
25(EXP)		13888.7	329023.7	4.2		6752.4	337430.2	2.0	B31.12-IP-19
26(EXP)		12385.7	329023.7	3.8		2522.8	337430.2	0.7	B31.12-IP-19
27(EXP)		44717.0	329023.7	13.6		7453.9	337430.2	2.2	B31.12-IP-19
28(EXP)		57864.1	329023.7	17.6		13719.8	337430.2	4.1	B31.12-IP-19
42(OCC)		17814.6	183400.5	9.7		7962.6	183400.5	4.3	B31.12-IP-19
43(OCC)		17520.6	183400.5	9.6		7500.1	183400.5	4.1	B31.12-IP-19
44(OCC)		17871.1	183400.5	9.7		8088.8	183400.5	4.4	B31.12-IP-19
45(OCC)		18069.6	183400.5	9.9		8090.2	183400.5	4.4	B31.12-IP-19
46(OCC)		15722.5	183400.5	8.6		7150.6	183400.5	3.9	B31.12-IP-19
47(OCC)		29358.9	183400.5	16.0		11425.3	183400.5	6.2	B31.12-IP-19
48(OCC)		19205.5	183400.5	10.5		8277.2	183400.5	4.5	B31.12-IP-19
49(OCC)		22820.4	183400.5	12.4		10163.9	183400.5	5.5	B31.12-IP-19
50(OCC)		21542.9	183400.5	11.7		9607.9	183400.5	5.2	B31.12-IP-19
51(OCC)		18620.2	183400.5	10.2		8238.9	183400.5	4.5	B31.12-IP-19
52(OCC)		24235.7	183400.5	13.2		8399.1	183400.5	4.6	B31.12-IP-19
53(OCC)		22245.8	183400.5	12.1		9306.3	183400.5	5.1	B31.12-IP-19
54(OCC)		24344.3	183400.5	13.3		8801.8	183400.5	4.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	795	7305.6	137895.1	5.3	797	6860.0	137895.1	5.0	B31.12-IP-19
4(Alt-SUS)		6438.3	137895.1	4.7		5670.3	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		7219.7	137895.1	5.2		6725.2	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		7307.6	137895.1	5.3		6861.5	137895.1	5.0	B31.12-IP-19
14(SUS)		7149.1	137895.1	5.2		6639.0	137895.1	4.8	B31.12-IP-19
24(EXP)		11927.0	337430.2	3.5		10013.3	337876.3	3.0	B31.12-IP-19
25(EXP)		6752.4	337430.2	2.0		8103.1	337876.3	2.4	B31.12-IP-19
26(EXP)		2522.8	337430.2	0.7		2361.9	337876.3	0.7	B31.12-IP-19
27(EXP)		7453.9	337430.2	2.2		6228.2	337876.3	1.8	B31.12-IP-19
28(EXP)		13719.8	337430.2	4.1		13801.8	337876.3	4.1	B31.12-IP-19
42(OCC)		7962.6	183400.5	4.3		7483.1	183400.5	4.1	B31.12-IP-19
43(OCC)		7500.1	183400.5	4.1		7085.9	183400.5	3.9	B31.12-IP-19
44(OCC)		8088.8	183400.5	4.4		7700.0	183400.5	4.2	B31.12-IP-19
45(OCC)		8090.2	183400.5	4.4		7729.0	183400.5	4.2	B31.12-IP-19
46(OCC)		7150.6	183400.5	3.9		6639.9	183400.5	3.6	B31.12-IP-19
47(OCC)		11425.3	183400.5	6.2		10592.7	183400.5	5.8	B31.12-IP-19
48(OCC)		8277.2	183400.5	4.5		7655.3	183400.5	4.2	B31.12-IP-19
49(OCC)		10163.9	183400.5	5.5		9566.6	183400.5	5.2	B31.12-IP-19
50(OCC)		9607.9	183400.5	5.2		9345.0	183400.5	5.1	B31.12-IP-19
51(OCC)		8238.9	183400.5	4.5		7696.4	183400.5	4.2	B31.12-IP-19
52(OCC)		8399.1	183400.5	4.6		7263.0	183400.5	4.0	B31.12-IP-19
53(OCC)		9306.3	183400.5	5.1		8669.4	183400.5	4.7	B31.12-IP-19
54(OCC)		8801.8	183400.5	4.8		9392.3	183400.5	5.1	B31.12-IP-19
2(Alt-SUS)	797	6885.8	137895.1	5.0	798	5902.0	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		5669.2	137895.1	4.1		5857.8	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		6764.8	137895.1	4.9		5912.9	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		6888.9	137895.1	5.0		5904.9	137895.1	4.3	B31.12-IP-19
14(SUS)		6755.0	137895.1	4.9		5916.6	137895.1	4.3	B31.12-IP-19
24(EXP)		10013.3	337849.0	3.0		10858.1	338821.3	3.2	B31.12-IP-19
25(EXP)		8103.1	337849.0	2.4		2601.9	338821.3	0.8	B31.12-IP-19
26(EXP)		2361.9	337849.0	0.7		1791.2	338821.3	0.5	B31.12-IP-19
27(EXP)		6228.2	337849.0	1.8		6059.7	338821.3	1.8	B31.12-IP-19
28(EXP)		13801.8	337849.0	4.1		8345.9	338821.3	2.5	B31.12-IP-19
42(OCC)		7432.4	183400.5	4.1		6305.5	183400.5	3.4	B31.12-IP-19
43(OCC)		7079.8	183400.5	3.9		6183.8	183400.5	3.4	B31.12-IP-19
44(OCC)		7509.8	183400.5	4.1		6147.0	183400.5	3.4	B31.12-IP-19
45(OCC)		7527.4	183400.5	4.1		6156.3	183400.5	3.4	B31.12-IP-19
46(OCC)		6755.7	183400.5	3.7		5917.3	183400.5	3.2	B31.12-IP-19
47(OCC)		10415.8	183400.5	5.7		6979.3	183400.5	3.8	B31.12-IP-19
48(OCC)		7775.9	183400.5	4.2		6646.2	183400.5	3.6	B31.12-IP-19
49(OCC)		8738.8	183400.5	4.8		6765.6	183400.5	3.7	B31.12-IP-19
50(OCC)		8925.9	183400.5	4.9		6585.6	183400.5	3.6	B31.12-IP-19
51(OCC)		7753.0	183400.5	4.2		6636.1	183400.5	3.6	B31.12-IP-19
52(OCC)		7002.1	183400.5	3.8		6283.8	183400.5	3.4	B31.12-IP-19
53(OCC)		8173.1	183400.5	4.5		6323.1	183400.5	3.4	B31.12-IP-19
54(OCC)		8585.4	183400.5	4.7		6433.2	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	798	6645.8	137895.1	4.8	799	6460.7	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		6677.4	137895.1	4.8		6182.0	137895.1	4.5	B31.12-IP-19
6(Alt-SUS)		6681.6	137895.1	4.8		6464.5	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		6651.7	137895.1	4.8		6464.7	137895.1	4.7	B31.12-IP-19
14(SUS)		6690.7	137895.1	4.9		6484.8	137895.1	4.7	B31.12-IP-19
24(EXP)		42399.4	338047.1	12.5		42509.9	338253.1	12.6	B31.12-IP-19
25(EXP)		9371.9	338047.1	2.8		11098.8	338253.1	3.3	B31.12-IP-19
26(EXP)		7086.6	338047.1	2.1		7319.5	338253.1	2.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		23759.1	338047.1	7.0		24557.0	338253.1	7.3	B31.12-IP-19
28(EXP)		32868.1	338047.1	9.7		35556.6	338253.1	10.5	B31.12-IP-19
42(OCC)		7147.5	183400.5	3.9		6916.3	183400.5	3.8	B31.12-IP-19
43(OCC)		7095.0	183400.5	3.9		6825.1	183400.5	3.7	B31.12-IP-19
44(OCC)		7297.0	183400.5	4.0		6669.4	183400.5	3.6	B31.12-IP-19
45(OCC)		7289.3	183400.5	4.0		6684.0	183400.5	3.6	B31.12-IP-19
46(OCC)		6691.9	183400.5	3.6		6485.7	183400.5	3.5	B31.12-IP-19
47(OCC)		7885.9	183400.5	4.3		7434.4	183400.5	4.1	B31.12-IP-19
48(OCC)		7676.0	183400.5	4.2		7487.7	183400.5	4.1	B31.12-IP-19
49(OCC)		8034.2	183400.5	4.4		7761.0	183400.5	4.2	B31.12-IP-19
50(OCC)		7619.9	183400.5	4.2		7287.5	183400.5	4.0	B31.12-IP-19
51(OCC)		7619.2	183400.5	4.2		7476.1	183400.5	4.1	B31.12-IP-19
52(OCC)		7683.5	183400.5	4.2		6870.1	183400.5	3.7	B31.12-IP-19
53(OCC)		7417.1	183400.5	4.0		6925.2	183400.5	3.8	B31.12-IP-19
54(OCC)		8230.0	183400.5	4.5		6974.6	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	799	6460.7	137895.1	4.7	800	7001.7	137895.1	5.1	B31.12-IP-19
4(Alt-SUS)		6182.0	137895.1	4.5		6531.1	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		6464.5	137895.1	4.7		6985.7	137895.1	5.1	B31.12-IP-19
8(Alt-SUS)		6464.7	137895.1	4.7		7006.0	137895.1	5.1	B31.12-IP-19
14(SUS)		6484.8	137895.1	4.7		6992.2	137895.1	5.1	B31.12-IP-19
24(EXP)		42509.9	338253.1	12.6		15025.1	337731.8	4.4	B31.12-IP-19
25(EXP)		11098.8	338253.1	3.3		4276.5	337731.8	1.3	B31.12-IP-19
26(EXP)		7319.5	338253.1	2.2		2596.4	337731.8	0.8	B31.12-IP-19
27(EXP)		24557.0	338253.1	7.3		9230.9	337731.8	2.7	B31.12-IP-19
28(EXP)		35556.6	338253.1	10.5		12891.3	337731.8	3.8	B31.12-IP-19
42(OCC)		6916.3	183400.5	3.8		7242.5	183400.5	3.9	B31.12-IP-19
43(OCC)		6825.1	183400.5	3.7		7088.2	183400.5	3.9	B31.12-IP-19
44(OCC)		6669.4	183400.5	3.6		7330.7	183400.5	4.0	B31.12-IP-19
45(OCC)		6684.0	183400.5	3.6		7349.0	183400.5	4.0	B31.12-IP-19
46(OCC)		6485.7	183400.5	3.5		6993.7	183400.5	3.8	B31.12-IP-19
47(OCC)		7434.4	183400.5	4.1		8148.8	183400.5	4.4	B31.12-IP-19
48(OCC)		7487.7	183400.5	4.1		7648.8	183400.5	4.2	B31.12-IP-19
49(OCC)		7761.0	183400.5	4.2		8057.4	183400.5	4.4	B31.12-IP-19
50(OCC)		7287.5	183400.5	4.0		8241.6	183400.5	4.5	B31.12-IP-19
51(OCC)		7476.1	183400.5	4.1		7712.2	183400.5	4.2	B31.12-IP-19
52(OCC)		6870.1	183400.5	3.7		7939.1	183400.5	4.3	B31.12-IP-19
53(OCC)		6925.2	183400.5	3.8		7942.3	183400.5	4.3	B31.12-IP-19
54(OCC)		6974.6	183400.5	3.8		7595.3	183400.5	4.1	B31.12-IP-19
2(Alt-SUS)	800	6015.0	137895.1	4.4	808	5971.6	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		5802.0	137895.1	4.2		5787.5	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		6006.9	137895.1	4.4		5954.2	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		6016.9	137895.1	4.4		5971.8	137895.1	4.3	B31.12-IP-19
14(SUS)		6009.2	137895.1	4.4		5949.3	137895.1	4.3	B31.12-IP-19
24(EXP)		8162.5	338720.9	2.4		8243.0	338766.1	2.4	B31.12-IP-19
25(EXP)		3036.4	338720.9	0.9		2997.4	338766.1	0.9	B31.12-IP-19
26(EXP)		1739.9	338720.9	0.5		1780.5	338766.1	0.5	B31.12-IP-19
27(EXP)		4818.4	338720.9	1.4		4814.7	338766.1	1.4	B31.12-IP-19
28(EXP)		7747.3	338720.9	2.3		7737.0	338766.1	2.3	B31.12-IP-19
42(OCC)		6245.4	183400.5	3.4		6219.0	183400.5	3.4	B31.12-IP-19
43(OCC)		6100.2	183400.5	3.3		6097.4	183400.5	3.3	B31.12-IP-19
44(OCC)		6188.2	183400.5	3.4		6129.9	183400.5	3.3	B31.12-IP-19
45(OCC)		6209.0	183400.5	3.4		6144.6	183400.5	3.4	B31.12-IP-19
46(OCC)		6009.9	183400.5	3.3		5950.0	183400.5	3.2	B31.12-IP-19
47(OCC)		6974.1	183400.5	3.8		7088.6	183400.5	3.9	B31.12-IP-19
48(OCC)		6384.6	183400.5	3.5		6252.4	183400.5	3.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		6567.4	183400.5	3.6		6452.1	183400.5	3.5	B31.12-IP-19
50(OCC)		6633.3	183400.5	3.6		6519.8	183400.5	3.6	B31.12-IP-19
51(OCC)		6417.4	183400.5	3.5		6283.1	183400.5	3.4	B31.12-IP-19
52(OCC)		6396.0	183400.5	3.5		6452.7	183400.5	3.5	B31.12-IP-19
53(OCC)		6405.8	183400.5	3.5		6357.1	183400.5	3.5	B31.12-IP-19
54(OCC)		6367.0	183400.5	3.5		6340.4	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	808	7196.3	137895.1	5.2	809	6718.7	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		6738.9	137895.1	4.9		6147.8	137895.1	4.5	B31.12-IP-19
6(Alt-SUS)		7149.6	137895.1	5.2		6578.8	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		7195.7	137895.1	5.2		6707.2	137895.1	4.9	B31.12-IP-19
14(SUS)		7134.5	137895.1	5.2		6509.7	137895.1	4.7	B31.12-IP-19
24(EXP)		16811.2	337541.5	5.0		19471.0	338019.1	5.8	B31.12-IP-19
25(EXP)		3693.4	337541.5	1.1		3998.1	338019.1	1.2	B31.12-IP-19
26(EXP)		3115.1	337541.5	0.9		3686.7	338019.1	1.1	B31.12-IP-19
27(EXP)		9942.3	337541.5	2.9		11101.9	338019.1	3.3	B31.12-IP-19
28(EXP)		13310.2	337541.5	3.9		14805.5	338019.1	4.4	B31.12-IP-19
42(OCC)		7601.0	183400.5	4.1		7972.7	183400.5	4.3	B31.12-IP-19
43(OCC)		7505.3	183400.5	4.1		7662.8	183400.5	4.2	B31.12-IP-19
44(OCC)		7490.6	183400.5	4.1		7014.9	183400.5	3.8	B31.12-IP-19
45(OCC)		7486.4	183400.5	4.1		6984.6	183400.5	3.8	B31.12-IP-19
46(OCC)		7136.1	183400.5	3.9		6511.2	183400.5	3.6	B31.12-IP-19
47(OCC)		9302.7	183400.5	5.1		11420.5	183400.5	6.2	B31.12-IP-19
48(OCC)		7480.6	183400.5	4.1		8123.7	183400.5	4.4	B31.12-IP-19
49(OCC)		8093.9	183400.5	4.4		7002.8	183400.5	3.8	B31.12-IP-19
50(OCC)		8338.5	183400.5	4.5		7550.8	183400.5	4.1	B31.12-IP-19
51(OCC)		7543.0	183400.5	4.1		7959.2	183400.5	4.3	B31.12-IP-19
52(OCC)		8630.0	183400.5	4.7		8752.1	183400.5	4.8	B31.12-IP-19
53(OCC)		8256.8	183400.5	4.5		7663.3	183400.5	4.2	B31.12-IP-19
54(OCC)		7853.1	183400.5	4.3		7252.4	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	809	6718.7	137895.1	4.9	810	5924.0	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		6147.8	137895.1	4.5		6344.2	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		6578.8	137895.1	4.8		5945.2	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		6707.2	137895.1	4.9		5928.4	137895.1	4.3	B31.12-IP-19
14(SUS)		6509.7	137895.1	4.7		6003.7	137895.1	4.4	B31.12-IP-19
24(EXP)		19471.0	338019.1	5.8		18211.3	338393.7	5.4	B31.12-IP-19
25(EXP)		3998.1	338019.1	1.2		5418.2	338393.7	1.6	B31.12-IP-19
26(EXP)		3686.7	338019.1	1.1		2560.6	338393.7	0.8	B31.12-IP-19
27(EXP)		11101.9	338019.1	3.3		9825.5	338393.7	2.9	B31.12-IP-19
28(EXP)		14805.5	338019.1	4.4		13864.5	338393.7	4.1	B31.12-IP-19
42(OCC)		7972.7	183400.5	4.3		7877.1	183400.5	4.3	B31.12-IP-19
43(OCC)		7662.8	183400.5	4.2		7441.3	183400.5	4.1	B31.12-IP-19
44(OCC)		7014.9	183400.5	3.8		6712.5	183400.5	3.7	B31.12-IP-19
45(OCC)		6984.6	183400.5	3.8		6646.9	183400.5	3.6	B31.12-IP-19
46(OCC)		6511.2	183400.5	3.6		6005.3	183400.5	3.3	B31.12-IP-19
47(OCC)		11420.5	183400.5	6.2		11723.1	183400.5	6.4	B31.12-IP-19
48(OCC)		8123.7	183400.5	4.4		8985.3	183400.5	4.9	B31.12-IP-19
49(OCC)		7002.8	183400.5	3.8		7016.3	183400.5	3.8	B31.12-IP-19
50(OCC)		7550.8	183400.5	4.1		6799.4	183400.5	3.7	B31.12-IP-19
51(OCC)		7959.2	183400.5	4.3		8730.2	183400.5	4.8	B31.12-IP-19
52(OCC)		8752.1	183400.5	4.8		7976.6	183400.5	4.3	B31.12-IP-19
53(OCC)		7663.3	183400.5	4.2		6764.9	183400.5	3.7	B31.12-IP-19
54(OCC)		7252.4	183400.5	4.0		7263.9	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	810	5630.3	137895.1	4.1	850	7828.6	137895.1	5.7	B31.12-IP-19
4(Alt-SUS)		5730.0	137895.1	4.2		8980.7	137895.1	6.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		5646.6	137895.1	4.1		8006.8	137895.1	5.8	B31.12-IP-19
8(Alt-SUS)		5633.6	137895.1	4.1		7835.0	137895.1	5.7	B31.12-IP-19
14(SUS)		5668.4	137895.1	4.1		8072.6	137895.1	5.9	B31.12-IP-19
24(EXP)		13248.3	339007.8	3.9		42237.2	335757.1	12.6	B31.12-IP-19
25(EXP)		3610.1	339007.8	1.1		13562.4	335757.1	4.0	B31.12-IP-19
26(EXP)		2293.5	339007.8	0.7		7317.1	335757.1	2.2	B31.12-IP-19
27(EXP)		7297.0	339007.8	2.2		23985.5	335757.1	7.1	B31.12-IP-19
28(EXP)		10787.9	339007.8	3.2		37169.3	335757.1	11.1	B31.12-IP-19
42(OCC)		6336.1	183400.5	3.5		8613.6	183400.5	4.7	B31.12-IP-19
43(OCC)		6170.8	183400.5	3.4		8448.0	183400.5	4.6	B31.12-IP-19
44(OCC)		5894.0	183400.5	3.2		9064.4	183400.5	4.9	B31.12-IP-19
45(OCC)		5877.2	183400.5	3.2		9077.1	183400.5	4.9	B31.12-IP-19
46(OCC)		5669.0	183400.5	3.1		8073.5	183400.5	4.4	B31.12-IP-19
47(OCC)		7744.1	183400.5	4.2		8939.6	183400.5	4.9	B31.12-IP-19
48(OCC)		6713.9	183400.5	3.7		10539.3	183400.5	5.7	B31.12-IP-19
49(OCC)		6204.1	183400.5	3.4		9312.3	183400.5	5.1	B31.12-IP-19
50(OCC)		5977.4	183400.5	3.3		9439.2	183400.5	5.1	B31.12-IP-19
51(OCC)		6635.5	183400.5	3.6		10375.8	183400.5	5.7	B31.12-IP-19
52(OCC)		6357.1	183400.5	3.5		9185.7	183400.5	5.0	B31.12-IP-19
53(OCC)		5916.6	183400.5	3.2		9381.6	183400.5	5.1	B31.12-IP-19
54(OCC)		6091.6	183400.5	3.3		11399.6	183400.5	6.2	B31.12-IP-19
2(Alt-SUS)	850	0.0	0.0	0.0	860	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	792	10419.7	137895.1	7.6	870	8313.0	137895.1	6.0	B31.12-IP-19
4(Alt-SUS)		8528.0	137895.1	6.2		8046.8	137895.1	5.8	B31.12-IP-19
6(Alt-SUS)		10326.7	137895.1	7.5		8332.8	137895.1	6.0	B31.12-IP-19
8(Alt-SUS)		10429.7	137895.1	7.6		8314.6	137895.1	6.0	B31.12-IP-19
14(SUS)		10342.4	137895.1	7.5		8330.1	137895.1	6.0	B31.12-IP-19
24(EXP)		33622.8	334308.2	10.1		10294.4	336405.1	3.1	B31.12-IP-19
25(EXP)		6820.5	334308.2	2.0		1832.6	336405.1	0.5	B31.12-IP-19
26(EXP)		7091.1	334308.2	2.1		1766.2	336405.1	0.5	B31.12-IP-19
27(EXP)		19211.1	334308.2	5.7		5733.9	336405.1	1.7	B31.12-IP-19
28(EXP)		18853.1	334308.2	5.6		7478.3	336405.1	2.2	B31.12-IP-19
42(OCC)		11874.1	183400.5	6.5		8417.0	183400.5	4.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		10911.4	183400.5	5.9		8687.4	183400.5	4.7	B31.12-IP-19
44(OCC)		16883.2	183400.5	9.2		10389.0	183400.5	5.7	B31.12-IP-19
45(OCC)		17035.2	183400.5	9.3		10417.8	183400.5	5.7	B31.12-IP-19
46(OCC)		10352.0	183400.5	5.6		8332.1	183400.5	4.5	B31.12-IP-19
47(OCC)		13319.2	183400.5	7.3		9410.8	183400.5	5.1	B31.12-IP-19
48(OCC)		15101.9	183400.5	8.2		10064.0	183400.5	5.5	B31.12-IP-19
49(OCC)		21586.1	183400.5	11.8		11856.1	183400.5	6.5	B31.12-IP-19
50(OCC)		19923.9	183400.5	10.9		11721.2	183400.5	6.4	B31.12-IP-19
51(OCC)		13537.3	183400.5	7.4		9782.3	183400.5	5.3	B31.12-IP-19
52(OCC)		12032.7	183400.5	6.6		10067.0	183400.5	5.5	B31.12-IP-19
53(OCC)		18733.3	183400.5	10.2		11518.2	183400.5	6.3	B31.12-IP-19
54(OCC)		22438.1	183400.5	12.2		11988.1	183400.5	6.5	B31.12-IP-19
2(Alt-SUS)	870	8313.0	137895.1	6.0	875	9624.7	137895.1	7.0	B31.12-IP-19
4(Alt-SUS)		8046.8	137895.1	5.8		9659.2	137895.1	7.0	B31.12-IP-19
6(Alt-SUS)		8332.8	137895.1	6.0		9694.3	137895.1	7.0	B31.12-IP-19
8(Alt-SUS)		8314.6	137895.1	6.0		9626.4	137895.1	7.0	B31.12-IP-19
14(SUS)		8330.1	137895.1	6.0		9702.4	137895.1	7.0	B31.12-IP-19
24(EXP)		10294.4	336405.1	3.1		9278.7	335035.5	2.8	B31.12-IP-19
25(EXP)		1832.6	336405.1	0.5		2234.1	335035.5	0.7	B31.12-IP-19
26(EXP)		1766.2	336405.1	0.5		1433.4	335035.5	0.4	B31.12-IP-19
27(EXP)		5733.9	336405.1	1.7		5144.1	335035.5	1.5	B31.12-IP-19
28(EXP)		7478.3	336405.1	2.2		7124.0	335035.5	2.1	B31.12-IP-19
42(OCC)		8417.0	183400.5	4.6		10241.3	183400.5	5.6	B31.12-IP-19
43(OCC)		8687.4	183400.5	4.7		10340.0	183400.5	5.6	B31.12-IP-19
44(OCC)		10389.0	183400.5	5.7		11357.0	183400.5	6.2	B31.12-IP-19
45(OCC)		10417.8	183400.5	5.7		11356.2	183400.5	6.2	B31.12-IP-19
46(OCC)		8332.1	183400.5	4.5		9703.5	183400.5	5.3	B31.12-IP-19
47(OCC)		9410.8	183400.5	5.1		12018.3	183400.5	6.6	B31.12-IP-19
48(OCC)		10064.0	183400.5	5.5		11627.2	183400.5	6.3	B31.12-IP-19
49(OCC)		11856.1	183400.5	6.5		12668.6	183400.5	6.9	B31.12-IP-19
50(OCC)		11721.2	183400.5	6.4		13046.4	183400.5	7.1	B31.12-IP-19
51(OCC)		9782.3	183400.5	5.3		11593.4	183400.5	6.3	B31.12-IP-19
52(OCC)		10067.0	183400.5	5.5		12700.6	183400.5	6.9	B31.12-IP-19
53(OCC)		11518.2	183400.5	6.3		13073.0	183400.5	7.1	B31.12-IP-19
54(OCC)		11988.1	183400.5	6.5		13158.1	183400.5	7.2	B31.12-IP-19
2(Alt-SUS)	875	9629.5	137895.1	7.0	878	6233.7	137895.1	4.5	B31.12-IP-19
4(Alt-SUS)		9657.1	137895.1	7.0		6476.3	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		9706.6	137895.1	7.0		6294.4	137895.1	4.6	B31.12-IP-19
8(Alt-SUS)		9633.6	137895.1	7.0		6236.9	137895.1	4.5	B31.12-IP-19
14(SUS)		9714.1	137895.1	7.0		6299.4	137895.1	4.6	B31.12-IP-19
24(EXP)		9278.7	335023.7	2.8		9510.5	338261.6	2.8	B31.12-IP-19
25(EXP)		2234.1	335023.7	0.7		1597.7	338261.6	0.5	B31.12-IP-19
26(EXP)		1433.4	335023.7	0.4		1567.3	338261.6	0.5	B31.12-IP-19
27(EXP)		5144.1	335023.7	1.5		5507.9	338261.6	1.6	B31.12-IP-19
28(EXP)		7124.0	335023.7	2.1		6934.0	338261.6	2.0	B31.12-IP-19
42(OCC)		10321.8	183400.5	5.6		6972.0	183400.5	3.8	B31.12-IP-19
43(OCC)		10377.8	183400.5	5.7		7025.7	183400.5	3.8	B31.12-IP-19
44(OCC)		11362.4	183400.5	6.2		7173.6	183400.5	3.9	B31.12-IP-19
45(OCC)		11354.5	183400.5	6.2		7166.7	183400.5	3.9	B31.12-IP-19
46(OCC)		9715.2	183400.5	5.3		6300.2	183400.5	3.4	B31.12-IP-19
47(OCC)		12003.9	183400.5	6.5		7320.1	183400.5	4.0	B31.12-IP-19
48(OCC)		11773.6	183400.5	6.4		7111.7	183400.5	3.9	B31.12-IP-19
49(OCC)		12623.1	183400.5	6.9		7556.9	183400.5	4.1	B31.12-IP-19
50(OCC)		13000.4	183400.5	7.1		7675.8	183400.5	4.2	B31.12-IP-19
51(OCC)		11711.1	183400.5	6.4		7147.5	183400.5	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		12764.4	183400.5	7.0		7828.2	183400.5	4.3	B31.12-IP-19
53(OCC)		13066.1	183400.5	7.1		7702.3	183400.5	4.2	B31.12-IP-19
54(OCC)		13049.8	183400.5	7.1		7695.3	183400.5	4.2	B31.12-IP-19
2(Alt-SUS)	878	8004.1	137895.1	5.8	879	7859.5	137895.1	5.7	B31.12-IP-19
4(Alt-SUS)		8767.7	137895.1	6.4		6794.8	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		8194.3	137895.1	5.9		7705.2	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		8013.9	137895.1	5.8		7851.7	137895.1	5.7	B31.12-IP-19
14(SUS)		8209.8	137895.1	6.0		7695.5	137895.1	5.6	B31.12-IP-19
24(EXP)		17597.2	335970.1	5.2		33677.1	336878.3	10.0	B31.12-IP-19
25(EXP)		1801.4	335970.1	0.5		3909.8	336878.3	1.2	B31.12-IP-19
26(EXP)		3263.6	335970.1	1.0		5638.9	336878.3	1.7	B31.12-IP-19
27(EXP)		10928.7	335970.1	3.3		19479.6	336878.3	5.8	B31.12-IP-19
28(EXP)		11226.4	335970.1	3.3		23166.9	336878.3	6.9	B31.12-IP-19
42(OCC)		10002.2	183400.5	5.5		9035.7	183400.5	4.9	B31.12-IP-19
43(OCC)		10191.9	183400.5	5.6		9208.7	183400.5	5.0	B31.12-IP-19
44(OCC)		10469.5	183400.5	5.7		8794.4	183400.5	4.8	B31.12-IP-19
45(OCC)		10450.8	183400.5	5.7		8784.2	183400.5	4.8	B31.12-IP-19
46(OCC)		8212.5	183400.5	4.5		7697.7	183400.5	4.2	B31.12-IP-19
47(OCC)		10913.4	183400.5	6.0		9314.9	183400.5	5.1	B31.12-IP-19
48(OCC)		10089.3	183400.5	5.5		10814.8	183400.5	5.9	B31.12-IP-19
49(OCC)		11445.9	183400.5	6.2		10283.7	183400.5	5.6	B31.12-IP-19
50(OCC)		11815.0	183400.5	6.4		10017.0	183400.5	5.5	B31.12-IP-19
51(OCC)		10209.4	183400.5	5.6		10988.5	183400.5	6.0	B31.12-IP-19
52(OCC)		12611.5	183400.5	6.9		9250.3	183400.5	5.0	B31.12-IP-19
53(OCC)		11897.3	183400.5	6.5		9925.5	183400.5	5.4	B31.12-IP-19
54(OCC)		12071.0	183400.5	6.6		9308.2	183400.5	5.1	B31.12-IP-19
2(Alt-SUS)	879	7859.5	137895.1	5.7	880	9681.0	137895.1	7.0	B31.12-IP-19
4(Alt-SUS)		6794.8	137895.1	4.9		8485.8	137895.1	6.2	B31.12-IP-19
6(Alt-SUS)		7705.2	137895.1	5.6		9549.5	137895.1	6.9	B31.12-IP-19
8(Alt-SUS)		7851.7	137895.1	5.7		9674.5	137895.1	7.0	B31.12-IP-19
14(SUS)		7695.5	137895.1	5.6		9541.8	137895.1	6.9	B31.12-IP-19
24(EXP)		33677.1	336878.3	10.0		42028.3	335056.8	12.5	B31.12-IP-19
25(EXP)		3909.8	336878.3	1.2		5747.9	335056.8	1.7	B31.12-IP-19
26(EXP)		5638.9	336878.3	1.7		6922.2	335056.8	2.1	B31.12-IP-19
27(EXP)		19479.6	336878.3	5.8		24020.9	335056.8	7.2	B31.12-IP-19
28(EXP)		23166.9	336878.3	6.9		29649.0	335056.8	8.8	B31.12-IP-19
42(OCC)		9035.7	183400.5	4.9		9964.5	183400.5	5.4	B31.12-IP-19
43(OCC)		9208.7	183400.5	5.0		10002.8	183400.5	5.5	B31.12-IP-19
44(OCC)		8794.4	183400.5	4.8		10291.3	183400.5	5.6	B31.12-IP-19
45(OCC)		8784.2	183400.5	4.8		10290.9	183400.5	5.6	B31.12-IP-19
46(OCC)		7697.7	183400.5	4.2		9543.6	183400.5	5.2	B31.12-IP-19
47(OCC)		9314.9	183400.5	5.1		13012.4	183400.5	7.1	B31.12-IP-19
48(OCC)		10814.8	183400.5	5.9		12075.6	183400.5	6.6	B31.12-IP-19
49(OCC)		10283.7	183400.5	5.6		12569.7	183400.5	6.9	B31.12-IP-19
50(OCC)		10017.0	183400.5	5.5		12304.5	183400.5	6.7	B31.12-IP-19
51(OCC)		10988.5	183400.5	6.0		12195.2	183400.5	6.6	B31.12-IP-19
52(OCC)		9250.3	183400.5	5.0		11609.2	183400.5	6.3	B31.12-IP-19
53(OCC)		9925.5	183400.5	5.4		12122.0	183400.5	6.6	B31.12-IP-19
54(OCC)		9308.2	183400.5	5.1		11816.8	183400.5	6.4	B31.12-IP-19
2(Alt-SUS)	880	6511.2	137895.1	4.7	888	5965.4	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		6158.7	137895.1	4.5		5718.6	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6468.7	137895.1	4.7		5967.3	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		6509.1	137895.1	4.7		5965.4	137895.1	4.3	B31.12-IP-19
14(SUS)		6466.3	137895.1	4.7		5964.7	137895.1	4.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		10899.8	338226.6	3.2		9068.3	338770.6	2.7	B31.12-IP-19
25(EXP)		1583.9	338226.6	0.5		2132.7	338770.6	0.6	B31.12-IP-19
26(EXP)		1793.2	338226.6	0.5		1377.7	338770.6	0.4	B31.12-IP-19
27(EXP)		6232.3	338226.6	1.8		4815.2	338770.6	1.4	B31.12-IP-19
28(EXP)		7782.4	338226.6	2.3		6935.5	338770.6	2.0	B31.12-IP-19
42(OCC)		6875.8	183400.5	3.7		6532.3	183400.5	3.6	B31.12-IP-19
43(OCC)		6870.7	183400.5	3.7		6536.9	183400.5	3.6	B31.12-IP-19
44(OCC)		6898.0	183400.5	3.8		6395.8	183400.5	3.5	B31.12-IP-19
45(OCC)		6892.6	183400.5	3.8		6386.1	183400.5	3.5	B31.12-IP-19
46(OCC)		6466.9	183400.5	3.5		5965.1	183400.5	3.3	B31.12-IP-19
47(OCC)		7807.4	183400.5	4.3		6993.8	183400.5	3.8	B31.12-IP-19
48(OCC)		7591.3	183400.5	4.1		6708.2	183400.5	3.7	B31.12-IP-19
49(OCC)		7651.3	183400.5	4.2		6491.9	183400.5	3.5	B31.12-IP-19
50(OCC)		7593.8	183400.5	4.1		6794.8	183400.5	3.7	B31.12-IP-19
51(OCC)		7633.6	183400.5	4.2		6734.2	183400.5	3.7	B31.12-IP-19
52(OCC)		7441.0	183400.5	4.1		7102.1	183400.5	3.9	B31.12-IP-19
53(OCC)		7537.3	183400.5	4.1		6787.3	183400.5	3.7	B31.12-IP-19
54(OCC)		7488.6	183400.5	4.1		6593.5	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	888	7209.3	137895.1	5.2	889	6629.0	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		6348.9	137895.1	4.6		6004.4	137895.1	4.4	B31.12-IP-19
6(Alt-SUS)		7227.8	137895.1	5.2		6652.0	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		7210.3	137895.1	5.2		6630.0	137895.1	4.8	B31.12-IP-19
14(SUS)		7220.6	137895.1	5.2		6643.5	137895.1	4.8	B31.12-IP-19
24(EXP)		32539.4	337510.1	9.6		21845.1	338085.8	6.5	B31.12-IP-19
25(EXP)		7567.6	337510.1	2.2		5220.3	338085.8	1.5	B31.12-IP-19
26(EXP)		4874.4	337510.1	1.4		3159.1	338085.8	0.9	B31.12-IP-19
27(EXP)		17159.0	337510.1	5.1		11345.8	338085.8	3.4	B31.12-IP-19
28(EXP)		24679.1	337510.1	7.3		16529.2	338085.8	4.9	B31.12-IP-19
42(OCC)		8506.8	183400.5	4.6		7743.7	183400.5	4.2	B31.12-IP-19
43(OCC)		8564.3	183400.5	4.7		7727.3	183400.5	4.2	B31.12-IP-19
44(OCC)		7969.9	183400.5	4.3		7040.1	183400.5	3.8	B31.12-IP-19
45(OCC)		7948.1	183400.5	4.3		7005.7	183400.5	3.8	B31.12-IP-19
46(OCC)		7221.5	183400.5	3.9		6644.2	183400.5	3.6	B31.12-IP-19
47(OCC)		9755.8	183400.5	5.3		8855.2	183400.5	4.8	B31.12-IP-19
48(OCC)		8433.4	183400.5	4.6		8010.6	183400.5	4.4	B31.12-IP-19
49(OCC)		7871.7	183400.5	4.3		7151.2	183400.5	3.9	B31.12-IP-19
50(OCC)		9064.0	183400.5	4.9		7766.4	183400.5	4.2	B31.12-IP-19
51(OCC)		8471.5	183400.5	4.6		8051.3	183400.5	4.4	B31.12-IP-19
52(OCC)		10188.5	183400.5	5.6		8937.1	183400.5	4.9	B31.12-IP-19
53(OCC)		9067.1	183400.5	4.9		7785.2	183400.5	4.2	B31.12-IP-19
54(OCC)		8292.4	183400.5	4.5		7255.4	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	889	6629.0	137895.1	4.8	890	5779.4	137895.1	4.2	B31.12-IP-19
4(Alt-SUS)		6004.4	137895.1	4.4		5573.2	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		6652.0	137895.1	4.8		5797.2	137895.1	4.2	B31.12-IP-19
8(Alt-SUS)		6630.0	137895.1	4.8		5780.0	137895.1	4.2	B31.12-IP-19
14(SUS)		6643.5	137895.1	4.8		5784.9	137895.1	4.2	B31.12-IP-19
24(EXP)		21845.1	338085.8	6.5		10597.1	338940.7	3.1	B31.12-IP-19
25(EXP)		5220.3	338085.8	1.5		2757.2	338940.7	0.8	B31.12-IP-19
26(EXP)		3159.1	338085.8	0.9		1743.9	338940.7	0.5	B31.12-IP-19
27(EXP)		11345.8	338085.8	3.4		5825.0	338940.7	1.7	B31.12-IP-19
28(EXP)		16529.2	338085.8	4.9		8562.4	338940.7	2.5	B31.12-IP-19
42(OCC)		7743.7	183400.5	4.2		6972.6	183400.5	3.8	B31.12-IP-19
43(OCC)		7727.3	183400.5	4.2		6947.5	183400.5	3.8	B31.12-IP-19
44(OCC)		7040.1	183400.5	3.8		6245.0	183400.5	3.4	B31.12-IP-19
45(OCC)		7005.7	183400.5	3.8		6252.2	183400.5	3.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		6644.2	183400.5	3.6		5785.2	183400.5	3.2	B31.12-IP-19
47(OCC)		8855.2	183400.5	4.8		7773.5	183400.5	4.2	B31.12-IP-19
48(OCC)		8010.6	183400.5	4.4		7581.9	183400.5	4.1	B31.12-IP-19
49(OCC)		7151.2	183400.5	3.9		6657.9	183400.5	3.6	B31.12-IP-19
50(OCC)		7766.4	183400.5	4.2		6397.0	183400.5	3.5	B31.12-IP-19
51(OCC)		8051.3	183400.5	4.4		7653.5	183400.5	4.2	B31.12-IP-19
52(OCC)		8937.1	183400.5	4.9		7803.8	183400.5	4.3	B31.12-IP-19
53(OCC)		7785.2	183400.5	4.2		6440.3	183400.5	3.5	B31.12-IP-19
54(OCC)		7255.4	183400.5	4.0		6522.3	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	890	5727.7	137895.1	4.2	899	6274.3	137895.1	4.6	B31.12-IP-19
4(Alt-SUS)		5559.7	137895.1	4.0		6078.7	137895.1	4.4	B31.12-IP-19
6(Alt-SUS)		5742.2	137895.1	4.2		6262.1	137895.1	4.5	B31.12-IP-19
8(Alt-SUS)		5728.2	137895.1	4.2		6274.0	137895.1	4.5	B31.12-IP-19
14(SUS)		5732.0	137895.1	4.2		6272.9	137895.1	4.5	B31.12-IP-19
24(EXP)		10423.7	338995.6	3.1		12944.3	338463.5	3.8	B31.12-IP-19
25(EXP)		2644.2	338995.6	0.8		3196.5	338463.5	0.9	B31.12-IP-19
26(EXP)		1711.2	338995.6	0.5		1916.7	338463.5	0.6	B31.12-IP-19
27(EXP)		5724.1	338995.6	1.7		6874.4	338463.5	2.0	B31.12-IP-19
28(EXP)		8345.8	338995.6	2.5		10070.8	338463.5	3.0	B31.12-IP-19
42(OCC)		7135.2	183400.5	3.9		7232.7	183400.5	3.9	B31.12-IP-19
43(OCC)		7100.4	183400.5	3.9		7202.3	183400.5	3.9	B31.12-IP-19
44(OCC)		6247.6	183400.5	3.4		8161.6	183400.5	4.5	B31.12-IP-19
45(OCC)		6263.6	183400.5	3.4		8184.0	183400.5	4.5	B31.12-IP-19
46(OCC)		5732.3	183400.5	3.1		6273.3	183400.5	3.4	B31.12-IP-19
47(OCC)		8071.5	183400.5	4.4		7914.7	183400.5	4.3	B31.12-IP-19
48(OCC)		7860.9	183400.5	4.3		7758.0	183400.5	4.2	B31.12-IP-19
49(OCC)		6693.4	183400.5	3.6		9247.7	183400.5	5.0	B31.12-IP-19
50(OCC)		6388.9	183400.5	3.5		8802.1	183400.5	4.8	B31.12-IP-19
51(OCC)		7946.7	183400.5	4.3		7842.5	183400.5	4.3	B31.12-IP-19
52(OCC)		8071.3	183400.5	4.4		7888.8	183400.5	4.3	B31.12-IP-19
53(OCC)		6431.9	183400.5	3.5		8827.9	183400.5	4.8	B31.12-IP-19
54(OCC)		6559.4	183400.5	3.6		9179.5	183400.5	5.0	B31.12-IP-19
2(Alt-SUS)	899	6274.3	137895.1	4.6	900	6598.1	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		6078.7	137895.1	4.4		5973.9	137895.1	4.3	B31.12-IP-19
6(Alt-SUS)		6262.1	137895.1	4.5		6595.2	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		6274.0	137895.1	4.5		6598.1	137895.1	4.8	B31.12-IP-19
14(SUS)		6272.9	137895.1	4.5		6600.3	137895.1	4.8	B31.12-IP-19
24(EXP)		12944.3	338463.5	3.8		18503.5	338137.5	5.5	B31.12-IP-19
25(EXP)		3196.5	338463.5	0.9		4772.2	338137.5	1.4	B31.12-IP-19
26(EXP)		1916.7	338463.5	0.6		2848.2	338137.5	0.8	B31.12-IP-19
27(EXP)		6874.4	338463.5	2.0		10024.4	338137.5	3.0	B31.12-IP-19
28(EXP)		10070.8	338463.5	3.0		14784.9	338137.5	4.4	B31.12-IP-19
42(OCC)		7232.7	183400.5	3.9		6885.7	183400.5	3.8	B31.12-IP-19
43(OCC)		7202.3	183400.5	3.9		6898.0	183400.5	3.8	B31.12-IP-19
44(OCC)		8161.6	183400.5	4.5		9092.8	183400.5	5.0	B31.12-IP-19
45(OCC)		8184.0	183400.5	4.5		9125.5	183400.5	5.0	B31.12-IP-19
46(OCC)		6273.3	183400.5	3.4		6600.6	183400.5	3.6	B31.12-IP-19
47(OCC)		7914.7	183400.5	4.3		7583.1	183400.5	4.1	B31.12-IP-19
48(OCC)		7758.0	183400.5	4.2		7417.4	183400.5	4.0	B31.12-IP-19
49(OCC)		9247.8	183400.5	5.0		10337.3	183400.5	5.6	B31.12-IP-19
50(OCC)		8802.1	183400.5	4.8		10104.0	183400.5	5.5	B31.12-IP-19
51(OCC)		7842.5	183400.5	4.3		7329.6	183400.5	4.0	B31.12-IP-19
52(OCC)		7888.8	183400.5	4.3		7466.9	183400.5	4.1	B31.12-IP-19
53(OCC)		8827.9	183400.5	4.8		10108.0	183400.5	5.5	B31.12-IP-19
54(OCC)		9179.5	183400.5	5.0		10419.6	183400.5	5.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	900	5879.1	137895.1	4.3	902	8853.2	137895.1	6.4	B31.12-IP-19
4(Alt-SUS)		5644.7	137895.1	4.1		10085.0	137895.1	7.3	B31.12-IP-19
6(Alt-SUS)		5878.4	137895.1	4.3		8767.1	137895.1	6.4	B31.12-IP-19
8(Alt-SUS)		5879.1	137895.1	4.3		8847.9	137895.1	6.4	B31.12-IP-19
14(SUS)		5880.4	137895.1	4.3		8753.0	137895.1	6.3	B31.12-IP-19
24(EXP)		7508.4	338857.4	2.2		25630.7	334652.8	7.7	B31.12-IP-19
25(EXP)		1886.6	338857.4	0.6		5489.4	334652.8	1.6	B31.12-IP-19
26(EXP)		1175.6	338857.4	0.3		3850.6	334652.8	1.2	B31.12-IP-19
27(EXP)		4051.1	338857.4	1.2		13421.4	334652.8	4.0	B31.12-IP-19
28(EXP)		5935.5	338857.4	1.8		18887.8	334652.8	5.6	B31.12-IP-19
42(OCC)		6023.7	183400.5	3.3		13984.6	183400.5	7.6	B31.12-IP-19
43(OCC)		6028.6	183400.5	3.3		13927.8	183400.5	7.6	B31.12-IP-19
44(OCC)		6747.7	183400.5	3.7		9598.4	183400.5	5.2	B31.12-IP-19
45(OCC)		6757.8	183400.5	3.7		9618.4	183400.5	5.2	B31.12-IP-19
46(OCC)		5880.6	183400.5	3.2		8754.3	183400.5	4.8	B31.12-IP-19
47(OCC)		6257.9	183400.5	3.4		18232.0	183400.5	9.9	B31.12-IP-19
48(OCC)		6243.5	183400.5	3.4		16901.9	183400.5	9.2	B31.12-IP-19
49(OCC)		7210.2	183400.5	3.9		11004.4	183400.5	6.0	B31.12-IP-19
50(OCC)		7094.6	183400.5	3.9		11248.1	183400.5	6.1	B31.12-IP-19
51(OCC)		6216.5	183400.5	3.4		16843.6	183400.5	9.2	B31.12-IP-19
52(OCC)		6235.6	183400.5	3.4		17580.4	183400.5	9.6	B31.12-IP-19
53(OCC)		7095.7	183400.5	3.9		11131.0	183400.5	6.1	B31.12-IP-19
54(OCC)		7235.9	183400.5	3.9		10501.4	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	902	8843.7	137895.1	6.4	905	7009.1	137895.1	5.1	B31.12-IP-19
4(Alt-SUS)		10078.9	137895.1	7.3		5825.2	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		8756.2	137895.1	6.3		7017.1	137895.1	5.1	B31.12-IP-19
8(Alt-SUS)		8836.9	137895.1	6.4		7014.3	137895.1	5.1	B31.12-IP-19
14(SUS)		8743.5	137895.1	6.3		7012.9	137895.1	5.1	B31.12-IP-19
24(EXP)		25630.7	334658.9	7.7		12752.1	337720.8	3.8	B31.12-IP-19
25(EXP)		5489.4	334658.9	1.6		2120.2	337720.8	0.6	B31.12-IP-19
26(EXP)		3850.6	334658.9	1.2		2069.5	337720.8	0.6	B31.12-IP-19
27(EXP)		13421.4	334658.9	4.0		6759.6	337720.8	2.0	B31.12-IP-19
28(EXP)		18887.8	334658.9	5.6		8175.0	337720.8	2.4	B31.12-IP-19
42(OCC)		13989.9	183400.5	7.6		8021.6	183400.5	4.4	B31.12-IP-19
43(OCC)		13937.6	183400.5	7.6		7993.4	183400.5	4.4	B31.12-IP-19
44(OCC)		9594.4	183400.5	5.2		7723.5	183400.5	4.2	B31.12-IP-19
45(OCC)		9578.3	183400.5	5.2		7472.8	183400.5	4.1	B31.12-IP-19
46(OCC)		8744.9	183400.5	4.8		7013.2	183400.5	3.8	B31.12-IP-19
47(OCC)		18261.3	183400.5	10.0		9292.2	183400.5	5.1	B31.12-IP-19
48(OCC)		16892.4	183400.5	9.2		8557.6	183400.5	4.7	B31.12-IP-19
49(OCC)		11082.1	183400.5	6.0		8190.1	183400.5	4.5	B31.12-IP-19
50(OCC)		11210.8	183400.5	6.1		8481.9	183400.5	4.6	B31.12-IP-19
51(OCC)		16834.6	183400.5	9.2		8621.8	183400.5	4.7	B31.12-IP-19
52(OCC)		17618.6	183400.5	9.6		9129.8	183400.5	5.0	B31.12-IP-19
53(OCC)		11141.0	183400.5	6.1		8636.1	183400.5	4.7	B31.12-IP-19
54(OCC)		10501.0	183400.5	5.7		8076.1	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	905	7007.3	137895.1	5.1	908	5486.9	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5825.2	137895.1	4.2		6353.9	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		7015.2	137895.1	5.1		5486.5	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		7012.4	137895.1	5.1		5485.1	137895.1	4.0	B31.12-IP-19
14(SUS)		7011.4	137895.1	5.1		5490.0	137895.1	4.0	B31.12-IP-19
24(EXP)		12752.1	337722.6	3.8		11855.9	338384.0	3.5	B31.12-IP-19
25(EXP)		2120.2	337722.6	0.6		2338.8	338384.0	0.7	B31.12-IP-19
26(EXP)		2069.5	337722.6	0.6		1784.3	338384.0	0.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		6759.6	337722.6	2.0		6353.7	338384.0	1.9	B31.12-IP-19
28(EXP)		8175.0	337722.6	2.4		8606.0	338384.0	2.5	B31.12-IP-19
42(OCC)		8015.2	183400.5	4.4		5640.1	183400.5	3.1	B31.12-IP-19
43(OCC)		7987.0	183400.5	4.4		5635.9	183400.5	3.1	B31.12-IP-19
44(OCC)		7725.1	183400.5	4.2		6195.0	183400.5	3.4	B31.12-IP-19
45(OCC)		7474.3	183400.5	4.1		5822.5	183400.5	3.2	B31.12-IP-19
46(OCC)		7011.7	183400.5	3.8		5490.2	183400.5	3.0	B31.12-IP-19
47(OCC)		9267.6	183400.5	5.1		5774.2	183400.5	3.1	B31.12-IP-19
48(OCC)		8569.5	183400.5	4.7		5757.5	183400.5	3.1	B31.12-IP-19
49(OCC)		8175.8	183400.5	4.5		6812.6	183400.5	3.7	B31.12-IP-19
50(OCC)		8501.2	183400.5	4.6		6258.3	183400.5	3.4	B31.12-IP-19
51(OCC)		8627.2	183400.5	4.7		5752.0	183400.5	3.1	B31.12-IP-19
52(OCC)		9100.4	183400.5	5.0		5750.6	183400.5	3.1	B31.12-IP-19
53(OCC)		8657.2	183400.5	4.7		6533.5	183400.5	3.6	B31.12-IP-19
54(OCC)		8063.4	183400.5	4.4		6009.0	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	908	5582.1	137895.1	4.0	909	6393.0	137895.1	4.6	B31.12-IP-19
4(Alt-SUS)		7859.7	137895.1	5.7		7245.7	137895.1	5.3	B31.12-IP-19
6(Alt-SUS)		5577.3	137895.1	4.0		6388.7	137895.1	4.6	B31.12-IP-19
8(Alt-SUS)		5576.0	137895.1	4.0		6384.7	137895.1	4.6	B31.12-IP-19
14(SUS)		5582.6	137895.1	4.0		6408.7	137895.1	4.6	B31.12-IP-19
24(EXP)		40470.7	336878.1	12.0		37085.0	337492.1	11.0	B31.12-IP-19
25(EXP)		7796.5	336878.1	2.3		7021.3	337492.1	2.1	B31.12-IP-19
26(EXP)		5924.9	336878.1	1.8		5982.3	337492.1	1.8	B31.12-IP-19
27(EXP)		21598.7	336878.1	6.4		20128.1	337492.1	6.0	B31.12-IP-19
28(EXP)		29085.7	336878.1	8.6		27070.9	337492.1	8.0	B31.12-IP-19
42(OCC)		5869.2	183400.5	3.2		6974.5	183400.5	3.8	B31.12-IP-19
43(OCC)		5830.6	183400.5	3.2		6981.5	183400.5	3.8	B31.12-IP-19
44(OCC)		7567.0	183400.5	4.1		7731.6	183400.5	4.2	B31.12-IP-19
45(OCC)		6458.9	183400.5	3.5		6675.6	183400.5	3.6	B31.12-IP-19
46(OCC)		5583.2	183400.5	3.0		6409.1	183400.5	3.5	B31.12-IP-19
47(OCC)		6269.9	183400.5	3.4		7587.0	183400.5	4.1	B31.12-IP-19
48(OCC)		5950.5	183400.5	3.2		7560.4	183400.5	4.1	B31.12-IP-19
49(OCC)		9302.7	183400.5	5.1		9379.2	183400.5	5.1	B31.12-IP-19
50(OCC)		7729.6	183400.5	4.2		7509.3	183400.5	4.1	B31.12-IP-19
51(OCC)		5982.4	183400.5	3.3		7546.6	183400.5	4.1	B31.12-IP-19
52(OCC)		6138.3	183400.5	3.3		7497.2	183400.5	4.1	B31.12-IP-19
53(OCC)		8500.3	183400.5	4.6		8147.1	183400.5	4.4	B31.12-IP-19
54(OCC)		6883.5	183400.5	3.8		7164.9	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	909	6393.0	137895.1	4.6	910	6612.0	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		7245.7	137895.1	5.3		5717.1	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6388.7	137895.1	4.6		6629.7	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		6384.7	137895.1	4.6		6613.9	137895.1	4.8	B31.12-IP-19
14(SUS)		6408.7	137895.1	4.6		6659.6	137895.1	4.8	B31.12-IP-19
24(EXP)		37085.0	337492.1	11.0		42485.5	338078.2	12.6	B31.12-IP-19
25(EXP)		7021.3	337492.1	2.1		7526.5	338078.2	2.2	B31.12-IP-19
26(EXP)		5982.3	337492.1	1.8		6973.4	338078.2	2.1	B31.12-IP-19
27(EXP)		20128.1	337492.1	6.0		23071.2	338078.2	6.8	B31.12-IP-19
28(EXP)		27070.9	337492.1	8.0		30595.9	338078.2	9.0	B31.12-IP-19
42(OCC)		6974.5	183400.5	3.8		7407.4	183400.5	4.0	B31.12-IP-19
43(OCC)		6981.5	183400.5	3.8		7352.4	183400.5	4.0	B31.12-IP-19
44(OCC)		7731.6	183400.5	4.2		6841.8	183400.5	3.7	B31.12-IP-19
45(OCC)		6675.6	183400.5	3.6		7456.8	183400.5	4.1	B31.12-IP-19
46(OCC)		6409.1	183400.5	3.5		6660.4	183400.5	3.6	B31.12-IP-19
47(OCC)		7587.0	183400.5	4.1		8197.7	183400.5	4.5	B31.12-IP-19
48(OCC)		7560.4	183400.5	4.1		8176.4	183400.5	4.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		9379.2	183400.5	5.1		7196.1	183400.5	3.9	B31.12-IP-19
50(OCC)		7509.3	183400.5	4.1		7644.0	183400.5	4.2	B31.12-IP-19
51(OCC)		7546.6	183400.5	4.1		8209.6	183400.5	4.5	B31.12-IP-19
52(OCC)		7497.2	183400.5	4.1		7991.3	183400.5	4.4	B31.12-IP-19
53(OCC)		8147.1	183400.5	4.4		7692.3	183400.5	4.2	B31.12-IP-19
54(OCC)		7164.9	183400.5	3.9		8027.1	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	910	5882.7	137895.1	4.3	920	7740.2	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		5579.7	137895.1	4.0		7394.5	137895.1	5.4	B31.12-IP-19
6(Alt-SUS)		5890.1	137895.1	4.3		7769.7	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		5883.4	137895.1	4.3		7747.2	137895.1	5.6	B31.12-IP-19
14(SUS)		5916.3	137895.1	4.3		7800.4	137895.1	5.7	B31.12-IP-19
24(EXP)		12379.1	338821.6	3.7		46390.5	336937.4	13.8	B31.12-IP-19
25(EXP)		2167.9	338821.6	0.6		5746.1	336937.4	1.7	B31.12-IP-19
26(EXP)		2011.2	338821.6	0.6		7018.1	336937.4	2.1	B31.12-IP-19
27(EXP)		6750.9	338821.6	2.0		24130.5	336937.4	7.2	B31.12-IP-19
28(EXP)		8917.2	338821.6	2.6		29802.0	336937.4	8.8	B31.12-IP-19
42(OCC)		6197.9	183400.5	3.4		8245.6	183400.5	4.5	B31.12-IP-19
43(OCC)		6179.7	183400.5	3.4		8190.8	183400.5	4.5	B31.12-IP-19
44(OCC)		5996.3	183400.5	3.3		10309.8	183400.5	5.6	B31.12-IP-19
45(OCC)		6175.8	183400.5	3.4		9868.7	183400.5	5.4	B31.12-IP-19
46(OCC)		5916.5	183400.5	3.2		7802.7	183400.5	4.3	B31.12-IP-19
47(OCC)		6541.1	183400.5	3.6		8753.2	183400.5	4.8	B31.12-IP-19
48(OCC)		6506.1	183400.5	3.5		9619.9	183400.5	5.2	B31.12-IP-19
49(OCC)		6160.0	183400.5	3.4		12071.7	183400.5	6.6	B31.12-IP-19
50(OCC)		6342.6	183400.5	3.5		10947.7	183400.5	6.0	B31.12-IP-19
51(OCC)		6515.4	183400.5	3.6		9619.7	183400.5	5.2	B31.12-IP-19
52(OCC)		6465.5	183400.5	3.5		8631.3	183400.5	4.7	B31.12-IP-19
53(OCC)		6380.7	183400.5	3.5		12194.3	183400.5	6.6	B31.12-IP-19
54(OCC)		6399.1	183400.5	3.5		11511.2	183400.5	6.3	B31.12-IP-19
2(Alt-SUS)	920	9090.7	137895.1	6.6	925	7914.6	137895.1	5.7	B31.12-IP-19
4(Alt-SUS)		6913.6	137895.1	5.0		8522.1	137895.1	6.2	B31.12-IP-19
6(Alt-SUS)		9105.4	137895.1	6.6		7916.4	137895.1	5.7	B31.12-IP-19
8(Alt-SUS)		9087.1	137895.1	6.6		7914.3	137895.1	5.7	B31.12-IP-19
14(SUS)		9131.2	137895.1	6.6		7940.5	137895.1	5.8	B31.12-IP-19
24(EXP)		37724.3	335606.7	11.2		14212.9	336215.8	4.2	B31.12-IP-19
25(EXP)		5804.5	335606.7	1.7		3102.7	336215.8	0.9	B31.12-IP-19
26(EXP)		5777.4	335606.7	1.7		2248.3	336215.8	0.7	B31.12-IP-19
27(EXP)		19889.7	335606.7	5.9		7736.7	336215.8	2.3	B31.12-IP-19
28(EXP)		25683.7	335606.7	7.7		10769.7	336215.8	3.2	B31.12-IP-19
42(OCC)		10365.6	183400.5	5.7		8127.2	183400.5	4.4	B31.12-IP-19
43(OCC)		10343.7	183400.5	5.6		8111.8	183400.5	4.4	B31.12-IP-19
44(OCC)		11149.3	183400.5	6.1		8921.2	183400.5	4.9	B31.12-IP-19
45(OCC)		10954.0	183400.5	6.0		9119.5	183400.5	5.0	B31.12-IP-19
46(OCC)		9132.1	183400.5	5.0		7940.7	183400.5	4.3	B31.12-IP-19
47(OCC)		11498.0	183400.5	6.3		9294.8	183400.5	5.1	B31.12-IP-19
48(OCC)		11868.9	183400.5	6.5		9479.9	183400.5	5.2	B31.12-IP-19
49(OCC)		12459.7	183400.5	6.8		11220.3	183400.5	6.1	B31.12-IP-19
50(OCC)		13019.8	183400.5	7.1		9272.6	183400.5	5.1	B31.12-IP-19
51(OCC)		11851.0	183400.5	6.5		9471.3	183400.5	5.2	B31.12-IP-19
52(OCC)		11406.7	183400.5	6.2		9288.0	183400.5	5.1	B31.12-IP-19
53(OCC)		13221.1	183400.5	7.2		9555.2	183400.5	5.2	B31.12-IP-19
54(OCC)		12507.4	183400.5	6.8		10056.2	183400.5	5.5	B31.12-IP-19
2(Alt-SUS)	925	7916.9	137895.1	5.7	930	6145.3	137895.1	4.5	B31.12-IP-19
4(Alt-SUS)		8520.5	137895.1	6.2		6916.2	137895.1	5.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		7919.7	137895.1	5.7		6142.8	137895.1	4.5	B31.12-IP-19
8(Alt-SUS)		7919.3	137895.1	5.7		6140.5	137895.1	4.5	B31.12-IP-19
14(SUS)		7918.0	137895.1	5.7		6142.4	137895.1	4.5	B31.12-IP-19
24(EXP)		14212.9	336217.4	4.2		28198.0	337821.6	8.3	B31.12-IP-19
25(EXP)		3102.7	336217.4	0.9		5309.0	337821.6	1.6	B31.12-IP-19
26(EXP)		2248.3	336217.4	0.7		4549.6	337821.6	1.3	B31.12-IP-19
27(EXP)		7736.7	336217.4	2.3		15137.9	337821.6	4.5	B31.12-IP-19
28(EXP)		10769.7	336217.4	3.2		20375.1	337821.6	6.0	B31.12-IP-19
42(OCC)		8175.5	183400.5	4.5		6826.7	183400.5	3.7	B31.12-IP-19
43(OCC)		8170.3	183400.5	4.5		7007.1	183400.5	3.8	B31.12-IP-19
44(OCC)		8950.7	183400.5	4.9		9340.2	183400.5	5.1	B31.12-IP-19
45(OCC)		9130.1	183400.5	5.0		6569.8	183400.5	3.6	B31.12-IP-19
46(OCC)		7918.3	183400.5	4.3		6143.6	183400.5	3.3	B31.12-IP-19
47(OCC)		9538.1	183400.5	5.2		7545.6	183400.5	4.1	B31.12-IP-19
48(OCC)		9611.8	183400.5	5.2		7329.7	183400.5	4.0	B31.12-IP-19
49(OCC)		11280.2	183400.5	6.2		13382.6	183400.5	7.3	B31.12-IP-19
50(OCC)		9249.0	183400.5	5.0		7808.0	183400.5	4.3	B31.12-IP-19
51(OCC)		9599.2	183400.5	5.2		7142.1	183400.5	3.9	B31.12-IP-19
52(OCC)		9521.4	183400.5	5.2		7701.5	183400.5	4.2	B31.12-IP-19
53(OCC)		9635.7	183400.5	5.3		10233.4	183400.5	5.6	B31.12-IP-19
54(OCC)		10131.3	183400.5	5.5		6940.4	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	930	5923.7	137895.1	4.3	935	6568.9	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		6967.0	137895.1	5.1		6605.1	137895.1	4.8	B31.12-IP-19
6(Alt-SUS)		5921.2	137895.1	4.3		6569.2	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		5922.0	137895.1	4.3		6569.5	137895.1	4.8	B31.12-IP-19
14(SUS)		5907.0	137895.1	4.3		6565.7	137895.1	4.8	B31.12-IP-19
24(EXP)		35544.7	337770.8	10.5		6665.3	338132.8	2.0	B31.12-IP-19
25(EXP)		7256.7	337770.8	2.1		1589.2	338132.8	0.5	B31.12-IP-19
26(EXP)		5453.5	337770.8	1.6		1149.0	338132.8	0.3	B31.12-IP-19
27(EXP)		18744.9	337770.8	5.5		4017.5	338132.8	1.2	B31.12-IP-19
28(EXP)		25884.0	337770.8	7.7		5605.5	338132.8	1.7	B31.12-IP-19
42(OCC)		6230.0	183400.5	3.4		6978.4	183400.5	3.8	B31.12-IP-19
43(OCC)		6265.9	183400.5	3.4		6983.5	183400.5	3.8	B31.12-IP-19
44(OCC)		9631.3	183400.5	5.3		7485.0	183400.5	4.1	B31.12-IP-19
45(OCC)		6020.0	183400.5	3.3		7274.6	183400.5	4.0	B31.12-IP-19
46(OCC)		5907.7	183400.5	3.2		6566.6	183400.5	3.6	B31.12-IP-19
47(OCC)		6465.1	183400.5	3.5		7436.0	183400.5	4.1	B31.12-IP-19
48(OCC)		6658.0	183400.5	3.6		7372.0	183400.5	4.0	B31.12-IP-19
49(OCC)		14470.9	183400.5	7.9		8432.6	183400.5	4.6	B31.12-IP-19
50(OCC)		8846.6	183400.5	4.8		7971.5	183400.5	4.3	B31.12-IP-19
51(OCC)		6636.4	183400.5	3.6		7370.2	183400.5	4.0	B31.12-IP-19
52(OCC)		6487.1	183400.5	3.5		7432.4	183400.5	4.1	B31.12-IP-19
53(OCC)		10559.5	183400.5	5.8		8114.4	183400.5	4.4	B31.12-IP-19
54(OCC)		6458.2	183400.5	3.5		7982.9	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	935	6566.4	137895.1	4.8	940	5831.7	137895.1	4.2	B31.12-IP-19
4(Alt-SUS)		6602.6	137895.1	4.8		5763.1	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		6566.7	137895.1	4.8		5826.9	137895.1	4.2	B31.12-IP-19
8(Alt-SUS)		6567.0	137895.1	4.8		5829.2	137895.1	4.2	B31.12-IP-19
14(SUS)		6565.3	137895.1	4.8		5824.5	137895.1	4.2	B31.12-IP-19
24(EXP)		6665.3	338135.3	2.0		20215.1	338906.2	6.0	B31.12-IP-19
25(EXP)		1589.2	338135.3	0.5		4236.6	338906.2	1.3	B31.12-IP-19
26(EXP)		1149.0	338135.3	0.3		3214.4	338906.2	0.9	B31.12-IP-19
27(EXP)		4017.5	338135.3	1.2		10799.3	338906.2	3.2	B31.12-IP-19
28(EXP)		5605.5	338135.3	1.7		15032.1	338906.2	4.4	B31.12-IP-19
42(OCC)		6982.5	183400.5	3.8		6663.4	183400.5	3.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		6982.9	183400.5	3.8		6729.7	183400.5	3.7	B31.12-IP-19
44(OCC)		7439.9	183400.5	4.1		5874.8	183400.5	3.2	B31.12-IP-19
45(OCC)		7230.0	183400.5	3.9		6060.4	183400.5	3.3	B31.12-IP-19
46(OCC)		6566.2	183400.5	3.6		5825.5	183400.5	3.2	B31.12-IP-19
47(OCC)		7403.0	183400.5	4.0		6943.7	183400.5	3.8	B31.12-IP-19
48(OCC)		7404.6	183400.5	4.0		6857.6	183400.5	3.7	B31.12-IP-19
49(OCC)		8380.1	183400.5	4.6		6301.4	183400.5	3.4	B31.12-IP-19
50(OCC)		7987.3	183400.5	4.4		6924.1	183400.5	3.8	B31.12-IP-19
51(OCC)		7412.0	183400.5	4.0		6877.0	183400.5	3.7	B31.12-IP-19
52(OCC)		7395.5	183400.5	4.0		6938.7	183400.5	3.8	B31.12-IP-19
53(OCC)		8007.7	183400.5	4.4		6049.4	183400.5	3.3	B31.12-IP-19
54(OCC)		7881.2	183400.5	4.3		6176.8	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	940	5528.3	137895.1	4.0	950	5439.6	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
14(SUS)		5528.3	137895.1	4.0		5439.6	137895.1	3.9	B31.12-IP-19
24(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
25(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
26(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
27(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
28(EXP)		0.0	339209.5	0.0		0.0	339298.2	0.0	B31.12-IP-19
42(OCC)		5528.7	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
43(OCC)		5528.7	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
44(OCC)		5563.8	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
45(OCC)		5563.8	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
46(OCC)		5528.3	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
47(OCC)		5584.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
48(OCC)		5585.0	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
49(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
50(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
51(OCC)		5585.0	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
52(OCC)		5584.2	183400.5	3.0		5439.6	183400.5	3.0	B31.12-IP-19
53(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
54(OCC)		5595.5	183400.5	3.1		5439.6	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	780	5751.0	137895.1	4.2	960	4546.9	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5245.5	137895.1	3.8		4357.3	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		5548.9	137895.1	4.0		4476.4	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		5730.5	137895.1	4.2		4539.7	137895.1	3.3	B31.12-IP-19
14(SUS)		4944.8	137895.1	3.6		4312.6	137895.1	3.1	B31.12-IP-19
24(EXP)		22240.3	338986.8	6.6		7205.3	340190.9	2.1	B31.12-IP-19
25(EXP)		3773.5	338986.8	1.1		1163.3	340190.9	0.3	B31.12-IP-19
26(EXP)		5149.8	338986.8	1.5		1693.4	340190.9	0.5	B31.12-IP-19
27(EXP)		13220.4	338986.8	3.9		4264.5	340190.9	1.3	B31.12-IP-19
28(EXP)		16223.2	338986.8	4.8		5105.1	340190.9	1.5	B31.12-IP-19
42(OCC)		6732.8	183400.5	3.7		5115.5	183400.5	2.8	B31.12-IP-19
43(OCC)		6757.7	183400.5	3.7		5096.3	183400.5	2.8	B31.12-IP-19
44(OCC)		7577.3	183400.5	4.1		5108.4	183400.5	2.8	B31.12-IP-19
45(OCC)		7550.3	183400.5	4.1		5093.2	183400.5	2.8	B31.12-IP-19
46(OCC)		5036.6	183400.5	2.7		4355.7	183400.5	2.4	B31.12-IP-19
47(OCC)		11286.4	183400.5	6.2		8508.2	183400.5	4.6	B31.12-IP-19
48(OCC)		14551.6	183400.5	7.9		10881.0	183400.5	5.9	B31.12-IP-19
49(OCC)		15649.5	183400.5	8.5		8721.9	183400.5	4.8	B31.12-IP-19
50(OCC)		14619.6	183400.5	8.0		7587.8	183400.5	4.1	B31.12-IP-19
51(OCC)		12145.9	183400.5	6.6		8761.4	183400.5	4.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		11883.5	183400.5	6.5		8792.4	183400.5	4.8	B31.12-IP-19
53(OCC)		15485.4	183400.5	8.4		7796.2	183400.5	4.3	B31.12-IP-19
54(OCC)		11671.0	183400.5	6.4		6475.8	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	960	4553.9	137895.1	3.3	968	4404.0	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4364.2	137895.1	3.2		4227.1	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4482.4	137895.1	3.3		4352.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4546.6	137895.1	3.3		4399.1	137895.1	3.2	B31.12-IP-19
14(SUS)		4314.4	137895.1	3.1		4271.2	137895.1	3.1	B31.12-IP-19
24(EXP)		7205.3	340184.0	2.1		7473.7	340333.9	2.2	B31.12-IP-19
25(EXP)		1163.3	340184.0	0.3		1186.2	340333.9	0.3	B31.12-IP-19
26(EXP)		1693.4	340184.0	0.5		1559.0	340333.9	0.5	B31.12-IP-19
27(EXP)		4264.5	340184.0	1.3		4319.6	340333.9	1.3	B31.12-IP-19
28(EXP)		5105.1	340184.0	1.5		5245.9	340333.9	1.5	B31.12-IP-19
42(OCC)		5117.3	183400.5	2.8		5031.5	183400.5	2.7	B31.12-IP-19
43(OCC)		5098.1	183400.5	2.8		5003.7	183400.5	2.7	B31.12-IP-19
44(OCC)		5109.4	183400.5	2.8		4769.2	183400.5	2.6	B31.12-IP-19
45(OCC)		5094.2	183400.5	2.8		4745.0	183400.5	2.6	B31.12-IP-19
46(OCC)		4357.5	183400.5	2.4		4312.8	183400.5	2.4	B31.12-IP-19
47(OCC)		8510.8	183400.5	4.6		8424.2	183400.5	4.6	B31.12-IP-19
48(OCC)		10883.0	183400.5	5.9		10719.0	183400.5	5.8	B31.12-IP-19
49(OCC)		8721.3	183400.5	4.8		8050.9	183400.5	4.4	B31.12-IP-19
50(OCC)		7588.1	183400.5	4.1		6907.8	183400.5	3.8	B31.12-IP-19
51(OCC)		8763.4	183400.5	4.8		8601.0	183400.5	4.7	B31.12-IP-19
52(OCC)		8794.9	183400.5	4.8		8664.8	183400.5	4.7	B31.12-IP-19
53(OCC)		7795.3	183400.5	4.3		6759.5	183400.5	3.7	B31.12-IP-19
54(OCC)		6476.6	183400.5	3.5		5951.1	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	968	4777.9	137895.1	3.5	969	5724.0	137895.1	4.2	B31.12-IP-19
4(Alt-SUS)		4382.6	137895.1	3.2		5414.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		4700.7	137895.1	3.4		5500.3	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		4772.8	137895.1	3.5		5697.9	137895.1	4.1	B31.12-IP-19
14(SUS)		4637.7	137895.1	3.4		4714.3	137895.1	3.4	B31.12-IP-19
24(EXP)		22775.3	339959.9	6.7		22580.2	339013.8	6.7	B31.12-IP-19
25(EXP)		3522.4	339959.9	1.0		2601.4	339013.8	0.8	B31.12-IP-19
26(EXP)		4006.9	339959.9	1.2		4737.6	339013.8	1.4	B31.12-IP-19
27(EXP)		12884.7	339959.9	3.8		13218.7	339013.8	3.9	B31.12-IP-19
28(EXP)		16273.4	339959.9	4.8		15694.3	339013.8	4.6	B31.12-IP-19
42(OCC)		5473.9	183400.5	3.0		5672.5	183400.5	3.1	B31.12-IP-19
43(OCC)		5460.9	183400.5	3.0		5646.8	183400.5	3.1	B31.12-IP-19
44(OCC)		5743.6	183400.5	3.1		5152.5	183400.5	2.8	B31.12-IP-19
45(OCC)		5744.3	183400.5	3.1		5068.1	183400.5	2.8	B31.12-IP-19
46(OCC)		4732.2	183400.5	2.6		4805.9	183400.5	2.6	B31.12-IP-19
47(OCC)		9092.6	183400.5	5.0		10693.9	183400.5	5.8	B31.12-IP-19
48(OCC)		11241.0	183400.5	6.1		14067.2	183400.5	7.7	B31.12-IP-19
49(OCC)		10596.5	183400.5	5.8		9341.6	183400.5	5.1	B31.12-IP-19
50(OCC)		10435.9	183400.5	5.7		6911.6	183400.5	3.8	B31.12-IP-19
51(OCC)		9266.3	183400.5	5.1		11243.3	183400.5	6.1	B31.12-IP-19
52(OCC)		9450.8	183400.5	5.2		11165.3	183400.5	6.1	B31.12-IP-19
53(OCC)		10105.9	183400.5	5.5		6522.3	183400.5	3.6	B31.12-IP-19
54(OCC)		8417.2	183400.5	4.6		6101.4	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	969	5724.0	137895.1	4.2	970	5881.7	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		5414.6	137895.1	3.9		5820.2	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		5500.3	137895.1	4.0		5651.2	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5697.9	137895.1	4.1		5850.8	137895.1	4.2	B31.12-IP-19
14(SUS)		4714.3	137895.1	3.4		4783.3	137895.1	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		22580.2	339013.8	6.7		13269.4	338856.2	3.9	B31.12-IP-19
25(EXP)		2601.4	339013.8	0.8		1630.8	338856.2	0.5	B31.12-IP-19
26(EXP)		4737.6	339013.8	1.4		3557.2	338856.2	1.0	B31.12-IP-19
27(EXP)		13218.7	339013.8	3.9		8002.2	338856.2	2.4	B31.12-IP-19
28(EXP)		15694.3	339013.8	4.6		9213.7	338856.2	2.7	B31.12-IP-19
42(OCC)		5672.5	183400.5	3.1		5856.7	183400.5	3.2	B31.12-IP-19
43(OCC)		5646.8	183400.5	3.1		5796.5	183400.5	3.2	B31.12-IP-19
44(OCC)		5152.5	183400.5	2.8		5886.0	183400.5	3.2	B31.12-IP-19
45(OCC)		5068.1	183400.5	2.8		5765.6	183400.5	3.1	B31.12-IP-19
46(OCC)		4805.9	183400.5	2.6		4846.4	183400.5	2.6	B31.12-IP-19
47(OCC)		10693.9	183400.5	5.8		11773.9	183400.5	6.4	B31.12-IP-19
48(OCC)		14067.2	183400.5	7.7		15869.3	183400.5	8.7	B31.12-IP-19
49(OCC)		9341.6	183400.5	5.1		14025.3	183400.5	7.6	B31.12-IP-19
50(OCC)		6911.6	183400.5	3.8		9294.1	183400.5	5.1	B31.12-IP-19
51(OCC)		11243.3	183400.5	6.1		12124.9	183400.5	6.6	B31.12-IP-19
52(OCC)		11165.3	183400.5	6.1		12132.4	183400.5	6.6	B31.12-IP-19
53(OCC)		6522.3	183400.5	3.6		10010.4	183400.5	5.5	B31.12-IP-19
54(OCC)		6101.4	183400.5	3.3		7596.3	183400.5	4.1	B31.12-IP-19
2(Alt-SUS)	970	4837.0	137895.1	3.5	978	4429.5	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4807.4	137895.1	3.5		4391.7	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4735.6	137895.1	3.4		4410.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4823.5	137895.1	3.5		4427.3	137895.1	3.2	B31.12-IP-19
14(SUS)		4347.6	137895.1	3.2		4366.8	137895.1	3.2	B31.12-IP-19
24(EXP)		8936.7	339900.8	2.6		13299.2	340308.3	3.9	B31.12-IP-19
25(EXP)		1511.9	339900.8	0.4		2970.3	340308.3	0.9	B31.12-IP-19
26(EXP)		1594.4	339900.8	0.5		1974.4	340308.3	0.6	B31.12-IP-19
27(EXP)		5011.9	339900.8	1.5		7169.7	340308.3	2.1	B31.12-IP-19
28(EXP)		6439.1	339900.8	1.9		10112.1	340308.3	3.0	B31.12-IP-19
42(OCC)		4910.5	183400.5	2.7		4820.8	183400.5	2.6	B31.12-IP-19
43(OCC)		4874.7	183400.5	2.7		4799.7	183400.5	2.6	B31.12-IP-19
44(OCC)		4875.9	183400.5	2.7		5241.3	183400.5	2.9	B31.12-IP-19
45(OCC)		4818.8	183400.5	2.6		5228.9	183400.5	2.9	B31.12-IP-19
46(OCC)		4374.3	183400.5	2.4		4399.7	183400.5	2.4	B31.12-IP-19
47(OCC)		7636.8	183400.5	4.2		6564.3	183400.5	3.6	B31.12-IP-19
48(OCC)		9380.4	183400.5	5.1		6908.0	183400.5	3.8	B31.12-IP-19
49(OCC)		8652.9	183400.5	4.7		10938.2	183400.5	6.0	B31.12-IP-19
50(OCC)		6675.0	183400.5	3.6		10997.2	183400.5	6.0	B31.12-IP-19
51(OCC)		7660.0	183400.5	4.2		6248.2	183400.5	3.4	B31.12-IP-19
52(OCC)		7724.6	183400.5	4.2		6444.6	183400.5	3.5	B31.12-IP-19
53(OCC)		6841.7	183400.5	3.7		9989.2	183400.5	5.4	B31.12-IP-19
54(OCC)		5811.0	183400.5	3.2		8937.6	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	978	5035.6	137895.1	3.7	979	5496.8	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		4931.4	137895.1	3.6		5334.9	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		4970.6	137895.1	3.6		5331.4	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		5028.0	137895.1	3.6		5476.6	137895.1	4.0	B31.12-IP-19
14(SUS)		4783.6	137895.1	3.5		4669.9	137895.1	3.4	B31.12-IP-19
24(EXP)		37625.3	339702.3	11.1		35371.6	339241.0	10.4	B31.12-IP-19
25(EXP)		9270.4	339702.3	2.7		9345.2	339241.0	2.8	B31.12-IP-19
26(EXP)		5883.3	339702.3	1.7		5317.1	339241.0	1.6	B31.12-IP-19
27(EXP)		20161.6	339702.3	5.9		18796.0	339241.0	5.5	B31.12-IP-19
28(EXP)		29410.8	339702.3	8.7		28080.4	339241.0	8.3	B31.12-IP-19
42(OCC)		5605.7	183400.5	3.1		5479.1	183400.5	3.0	B31.12-IP-19
43(OCC)		5594.0	183400.5	3.1		5450.5	183400.5	3.0	B31.12-IP-19
44(OCC)		6937.4	183400.5	3.8		6485.5	183400.5	3.5	B31.12-IP-19
45(OCC)		6910.8	183400.5	3.8		6484.1	183400.5	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4856.3	183400.5	2.6		4763.8	183400.5	2.6	B31.12-IP-19
47(OCC)		9409.1	183400.5	5.1		10277.7	183400.5	5.6	B31.12-IP-19
48(OCC)		10056.2	183400.5	5.5		12087.2	183400.5	6.6	B31.12-IP-19
49(OCC)		20870.0	183400.5	11.4		18602.3	183400.5	10.1	B31.12-IP-19
50(OCC)		21255.5	183400.5	11.6		20542.3	183400.5	11.2	B31.12-IP-19
51(OCC)		9021.4	183400.5	4.9		10227.8	183400.5	5.6	B31.12-IP-19
52(OCC)		9244.2	183400.5	5.0		10143.1	183400.5	5.5	B31.12-IP-19
53(OCC)		18776.7	183400.5	10.2		17560.3	183400.5	9.6	B31.12-IP-19
54(OCC)		16334.3	183400.5	8.9		16341.3	183400.5	8.9	B31.12-IP-19
2(Alt-SUS)	979	5496.8	137895.1	4.0	980	5818.4	137895.1	4.2	B31.12-IP-19
4(Alt-SUS)		5334.9	137895.1	3.9		5540.7	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		5331.4	137895.1	3.9		5655.5	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5476.6	137895.1	4.0		5799.7	137895.1	4.2	B31.12-IP-19
14(SUS)		4669.9	137895.1	3.4		5281.7	137895.1	3.8	B31.12-IP-19
24(EXP)		35371.6	339241.0	10.4		37444.6	338919.4	11.0	B31.12-IP-19
25(EXP)		9345.2	339241.0	2.8		9176.7	338919.4	2.7	B31.12-IP-19
26(EXP)		5317.1	339241.0	1.6		4881.9	338919.4	1.4	B31.12-IP-19
27(EXP)		18796.0	339241.0	5.5		19767.3	338919.4	5.8	B31.12-IP-19
28(EXP)		28080.4	339241.0	8.3		28772.0	338919.4	8.5	B31.12-IP-19
42(OCC)		5479.1	183400.5	3.0		6263.5	183400.5	3.4	B31.12-IP-19
43(OCC)		5450.5	183400.5	3.0		6221.7	183400.5	3.4	B31.12-IP-19
44(OCC)		6485.5	183400.5	3.5		6339.4	183400.5	3.5	B31.12-IP-19
45(OCC)		6484.1	183400.5	3.5		6336.2	183400.5	3.5	B31.12-IP-19
46(OCC)		4763.8	183400.5	2.6		5358.3	183400.5	2.9	B31.12-IP-19
47(OCC)		10277.7	183400.5	5.6		11352.9	183400.5	6.2	B31.12-IP-19
48(OCC)		12087.2	183400.5	6.6		14063.3	183400.5	7.7	B31.12-IP-19
49(OCC)		18602.3	183400.5	10.1		15899.2	183400.5	8.7	B31.12-IP-19
50(OCC)		20542.3	183400.5	11.2		20295.6	183400.5	11.1	B31.12-IP-19
51(OCC)		10227.8	183400.5	5.6		11189.0	183400.5	6.1	B31.12-IP-19
52(OCC)		10143.1	183400.5	5.5		11475.7	183400.5	6.3	B31.12-IP-19
53(OCC)		17560.4	183400.5	9.6		15667.7	183400.5	8.5	B31.12-IP-19
54(OCC)		16341.3	183400.5	8.9		16547.8	183400.5	9.0	B31.12-IP-19
2(Alt-SUS)	980	4762.4	137895.1	3.5	985	5957.9	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		4642.7	137895.1	3.4		5828.1	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		4703.1	137895.1	3.4		5923.4	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		4755.9	137895.1	3.4		5954.7	137895.1	4.3	B31.12-IP-19
14(SUS)		4585.6	137895.1	3.3		5880.3	137895.1	4.3	B31.12-IP-19
24(EXP)		12616.9	339975.4	3.7		8144.9	338779.9	2.4	B31.12-IP-19
25(EXP)		2929.5	339975.4	0.9		1703.0	338779.9	0.5	B31.12-IP-19
26(EXP)		1599.6	339975.4	0.5		1173.0	338779.9	0.3	B31.12-IP-19
27(EXP)		6664.4	339975.4	2.0		4255.2	338779.9	1.3	B31.12-IP-19
28(EXP)		9544.7	339975.4	2.8		5891.7	338779.9	1.7	B31.12-IP-19
42(OCC)		5026.2	183400.5	2.7		6227.2	183400.5	3.4	B31.12-IP-19
43(OCC)		5010.7	183400.5	2.7		6237.4	183400.5	3.4	B31.12-IP-19
44(OCC)		5129.9	183400.5	2.8		6576.4	183400.5	3.6	B31.12-IP-19
45(OCC)		5147.8	183400.5	2.8		6557.4	183400.5	3.6	B31.12-IP-19
46(OCC)		4635.0	183400.5	2.5		5949.7	183400.5	3.2	B31.12-IP-19
47(OCC)		7174.4	183400.5	3.9		7694.9	183400.5	4.2	B31.12-IP-19
48(OCC)		8254.2	183400.5	4.5		9271.4	183400.5	5.1	B31.12-IP-19
49(OCC)		10518.8	183400.5	5.7		10956.1	183400.5	6.0	B31.12-IP-19
50(OCC)		11970.2	183400.5	6.5		13023.1	183400.5	7.1	B31.12-IP-19
51(OCC)		7086.9	183400.5	3.9		8032.8	183400.5	4.4	B31.12-IP-19
52(OCC)		7249.5	183400.5	4.0		8068.2	183400.5	4.4	B31.12-IP-19
53(OCC)		9811.1	183400.5	5.3		9747.8	183400.5	5.3	B31.12-IP-19
54(OCC)		9954.8	183400.5	5.4		11741.4	183400.5	6.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	985	5960.1	137895.1	4.3	988	4597.4	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5833.5	137895.1	4.2		4606.2	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		5936.7	137895.1	4.3		4511.0	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		5958.4	137895.1	4.3		4584.7	137895.1	3.3	B31.12-IP-19
14(SUS)		5939.7	137895.1	4.3		4264.6	137895.1	3.1	B31.12-IP-19
24(EXP)		8144.9	338777.8	2.4		9143.2	340131.6	2.7	B31.12-IP-19
25(EXP)		1703.0	338777.8	0.5		1790.7	340131.6	0.5	B31.12-IP-19
26(EXP)		1173.0	338777.8	0.3		1811.1	340131.6	0.5	B31.12-IP-19
27(EXP)		4255.2	338777.8	1.3		5099.0	340131.6	1.5	B31.12-IP-19
28(EXP)		5891.7	338777.8	1.7		6863.7	340131.6	2.0	B31.12-IP-19
42(OCC)		6293.2	183400.5	3.4		4746.9	183400.5	2.6	B31.12-IP-19
43(OCC)		6299.4	183400.5	3.4		4798.6	183400.5	2.6	B31.12-IP-19
44(OCC)		6633.5	183400.5	3.6		5332.6	183400.5	2.9	B31.12-IP-19
45(OCC)		6612.6	183400.5	3.6		5280.8	183400.5	2.9	B31.12-IP-19
46(OCC)		6009.5	183400.5	3.3		4328.2	183400.5	2.4	B31.12-IP-19
47(OCC)		7818.6	183400.5	4.3		6701.1	183400.5	3.7	B31.12-IP-19
48(OCC)		9322.2	183400.5	5.1		8173.9	183400.5	4.5	B31.12-IP-19
49(OCC)		11018.7	183400.5	6.0		9984.6	183400.5	5.4	B31.12-IP-19
50(OCC)		13055.6	183400.5	7.1		9543.1	183400.5	5.2	B31.12-IP-19
51(OCC)		8207.6	183400.5	4.5		6912.3	183400.5	3.8	B31.12-IP-19
52(OCC)		8169.2	183400.5	4.5		7095.1	183400.5	3.9	B31.12-IP-19
53(OCC)		9806.5	183400.5	5.3		8880.7	183400.5	4.8	B31.12-IP-19
54(OCC)		11728.9	183400.5	6.4		7994.5	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	988	5387.6	137895.1	3.9	989	6230.3	137895.1	4.5	B31.12-IP-19
4(Alt-SUS)		5426.5	137895.1	3.9		6262.7	137895.1	4.5	B31.12-IP-19
6(Alt-SUS)		5145.3	137895.1	3.7		5957.8	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		5351.7	137895.1	3.9		6190.0	137895.1	4.5	B31.12-IP-19
14(SUS)		4434.0	137895.1	3.2		4857.0	137895.1	3.5	B31.12-IP-19
24(EXP)		23671.3	339311.3	7.0		28019.9	338475.1	8.3	B31.12-IP-19
25(EXP)		4085.2	339311.3	1.2		4884.7	338475.1	1.4	B31.12-IP-19
26(EXP)		5925.3	339311.3	1.7		6365.0	338475.1	1.9	B31.12-IP-19
27(EXP)		13936.4	339311.3	4.1		16146.4	338475.1	4.8	B31.12-IP-19
28(EXP)		18000.2	339311.3	5.3		20970.6	338475.1	6.2	B31.12-IP-19
42(OCC)		5629.1	183400.5	3.1		6256.9	183400.5	3.4	B31.12-IP-19
43(OCC)		5785.3	183400.5	3.2		6450.9	183400.5	3.5	B31.12-IP-19
44(OCC)		6754.0	183400.5	3.7		7136.4	183400.5	3.9	B31.12-IP-19
45(OCC)		6607.2	183400.5	3.6		7072.6	183400.5	3.9	B31.12-IP-19
46(OCC)		4565.0	183400.5	2.5		5027.4	183400.5	2.7	B31.12-IP-19
47(OCC)		10323.5	183400.5	5.6		12057.6	183400.5	6.6	B31.12-IP-19
48(OCC)		14162.6	183400.5	7.7		16850.4	183400.5	9.2	B31.12-IP-19
49(OCC)		13164.3	183400.5	7.2		18923.8	183400.5	10.3	B31.12-IP-19
50(OCC)		9743.8	183400.5	5.3		15773.6	183400.5	8.6	B31.12-IP-19
51(OCC)		10740.5	183400.5	5.9		13410.0	183400.5	7.3	B31.12-IP-19
52(OCC)		11387.1	183400.5	6.2		13350.7	183400.5	7.3	B31.12-IP-19
53(OCC)		11499.7	183400.5	6.3		16371.3	183400.5	8.9	B31.12-IP-19
54(OCC)		8356.2	183400.5	4.6		13851.1	183400.5	7.6	B31.12-IP-19
2(Alt-SUS)	989	6230.3	137895.1	4.5	990	6908.5	137895.1	5.0	B31.12-IP-19
4(Alt-SUS)		6262.7	137895.1	4.5		6934.2	137895.1	5.0	B31.12-IP-19
6(Alt-SUS)		5957.8	137895.1	4.3		6680.1	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		6190.0	137895.1	4.5		6874.7	137895.1	5.0	B31.12-IP-19
14(SUS)		4857.0	137895.1	3.5		5757.1	137895.1	4.2	B31.12-IP-19
24(EXP)		28019.9	338475.1	8.3		29645.6	337803.7	8.8	B31.12-IP-19
25(EXP)		4884.7	338475.1	1.4		5436.2	337803.7	1.6	B31.12-IP-19
26(EXP)		6365.0	338475.1	1.9		6039.4	337803.7	1.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		16146.4	338475.1	4.8		16790.1	337803.7	5.0	B31.12-IP-19
28(EXP)		20970.6	338475.1	6.2		22172.6	337803.7	6.6	B31.12-IP-19
42(OCC)		6256.9	183400.5	3.4		7286.1	183400.5	4.0	B31.12-IP-19
43(OCC)		6450.9	183400.5	3.5		7452.9	183400.5	4.1	B31.12-IP-19
44(OCC)		7136.4	183400.5	3.9		7022.9	183400.5	3.8	B31.12-IP-19
45(OCC)		7072.6	183400.5	3.9		7051.5	183400.5	3.8	B31.12-IP-19
46(OCC)		5027.4	183400.5	2.7		5973.7	183400.5	3.3	B31.12-IP-19
47(OCC)		12057.6	183400.5	6.6		14711.7	183400.5	8.0	B31.12-IP-19
48(OCC)		16850.4	183400.5	9.2		19609.0	183400.5	10.7	B31.12-IP-19
49(OCC)		18923.8	183400.5	10.3		19137.7	183400.5	10.4	B31.12-IP-19
50(OCC)		15773.6	183400.5	8.6		20435.9	183400.5	11.1	B31.12-IP-19
51(OCC)		13410.0	183400.5	7.3		16911.2	183400.5	9.2	B31.12-IP-19
52(OCC)		13350.7	183400.5	7.3		15837.3	183400.5	8.6	B31.12-IP-19
53(OCC)		16371.3	183400.5	8.9		16564.6	183400.5	9.0	B31.12-IP-19
54(OCC)		13851.1	183400.5	7.6		16944.2	183400.5	9.2	B31.12-IP-19
2(Alt-SUS)	990	5068.0	137895.1	3.7	1000	5642.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5080.1	137895.1	3.7		5653.1	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		4987.5	137895.1	3.6		5621.8	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5056.0	137895.1	3.7		5639.0	137895.1	4.1	B31.12-IP-19
14(SUS)		4662.0	137895.1	3.4		5534.6	137895.1	4.0	B31.12-IP-19
24(EXP)		9293.6	339657.7	2.7		5503.3	339084.8	1.6	B31.12-IP-19
25(EXP)		1744.2	339657.7	0.5		1043.7	339084.8	0.3	B31.12-IP-19
26(EXP)		1897.8	339657.7	0.6		1210.9	339084.8	0.4	B31.12-IP-19
27(EXP)		5263.1	339657.7	1.5		3176.1	339084.8	0.9	B31.12-IP-19
28(EXP)		6991.6	339657.7	2.1		4219.3	339084.8	1.2	B31.12-IP-19
42(OCC)		5229.4	183400.5	2.9		5991.2	183400.5	3.3	B31.12-IP-19
43(OCC)		5291.8	183400.5	2.9		6012.2	183400.5	3.3	B31.12-IP-19
44(OCC)		5666.7	183400.5	3.1		6472.6	183400.5	3.5	B31.12-IP-19
45(OCC)		5609.8	183400.5	3.1		6392.1	183400.5	3.5	B31.12-IP-19
46(OCC)		4752.4	183400.5	2.6		5635.1	183400.5	3.1	B31.12-IP-19
47(OCC)		7991.6	183400.5	4.4		9926.7	183400.5	5.4	B31.12-IP-19
48(OCC)		9808.0	183400.5	5.3		11687.2	183400.5	6.4	B31.12-IP-19
49(OCC)		11145.2	183400.5	6.1		12511.6	183400.5	6.8	B31.12-IP-19
50(OCC)		11121.6	183400.5	6.1		13860.7	183400.5	7.6	B31.12-IP-19
51(OCC)		8792.1	183400.5	4.8		11415.4	183400.5	6.2	B31.12-IP-19
52(OCC)		8403.9	183400.5	4.6		10049.0	183400.5	5.5	B31.12-IP-19
53(OCC)		10091.2	183400.5	5.5		11806.3	183400.5	6.4	B31.12-IP-19
54(OCC)		9740.7	183400.5	5.3		12323.4	183400.5	6.7	B31.12-IP-19
2(Alt-SUS)	1000	5642.1	137895.1	4.1	1010	5740.4	137895.1	4.2	B31.12-IP-19
4(Alt-SUS)		5653.1	137895.1	4.1		5751.2	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		5621.8	137895.1	4.1		5729.9	137895.1	4.2	B31.12-IP-19
8(Alt-SUS)		5639.0	137895.1	4.1		5738.7	137895.1	4.2	B31.12-IP-19
14(SUS)		5534.6	137895.1	4.0		5682.7	137895.1	4.1	B31.12-IP-19
24(EXP)		5503.3	339084.8	1.6		4987.5	338986.7	1.5	B31.12-IP-19
25(EXP)		1043.7	339084.8	0.3		946.4	338986.7	0.3	B31.12-IP-19
26(EXP)		1210.9	339084.8	0.4		1133.0	338986.7	0.3	B31.12-IP-19
27(EXP)		3176.1	339084.8	0.9		2899.0	338986.7	0.9	B31.12-IP-19
28(EXP)		4219.3	339084.8	1.2		3845.1	338986.7	1.1	B31.12-IP-19
42(OCC)		5991.2	183400.5	3.3		6098.8	183400.5	3.3	B31.12-IP-19
43(OCC)		6012.2	183400.5	3.3		6112.7	183400.5	3.3	B31.12-IP-19
44(OCC)		6472.6	183400.5	3.5		6620.5	183400.5	3.6	B31.12-IP-19
45(OCC)		6392.1	183400.5	3.5		6537.2	183400.5	3.6	B31.12-IP-19
46(OCC)		5635.1	183400.5	3.1		5785.5	183400.5	3.2	B31.12-IP-19
47(OCC)		9926.7	183400.5	5.4		10238.5	183400.5	5.6	B31.12-IP-19
48(OCC)		11687.2	183400.5	6.4		11998.0	183400.5	6.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		12511.6	183400.5	6.8		12728.9	183400.5	6.9	B31.12-IP-19
50(OCC)		13860.7	183400.5	7.6		14308.8	183400.5	7.8	B31.12-IP-19
51(OCC)		11415.4	183400.5	6.2		11844.4	183400.5	6.5	B31.12-IP-19
52(OCC)		10049.0	183400.5	5.5		10314.4	183400.5	5.6	B31.12-IP-19
53(OCC)		11806.3	183400.5	6.4		12094.9	183400.5	6.6	B31.12-IP-19
54(OCC)		12323.4	183400.5	6.7		12738.5	183400.5	6.9	B31.12-IP-19
2(Alt-SUS)	1010	0.0	0.0	0.0	1012	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1012	0.0	0.0	0.0	1016	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1016	0.0	0.0	0.0	1020	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1020	11800.1	137895.1	8.6	1029	6768.3	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		11823.4	137895.1	8.6		6774.9	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		11971.2	137895.1	8.7		6980.5	137895.1	5.1	B31.12-IP-19
8(Alt-SUS)		11824.8	137895.1	8.6		6799.3	137895.1	4.9	B31.12-IP-19
14(SUS)		12646.5	137895.1	9.2		7824.5	137895.1	5.7	B31.12-IP-19
24(EXP)		11190.0	332091.3	3.4		17711.7	336913.3	5.3	B31.12-IP-19
25(EXP)		1742.1	332091.3	0.5		3288.5	336913.3	1.0	B31.12-IP-19
26(EXP)		3229.7	332091.3	1.0		3939.0	336913.3	1.2	B31.12-IP-19
27(EXP)		6741.6	332091.3	2.0		10102.6	336913.3	3.0	B31.12-IP-19
28(EXP)		8308.4	332091.3	2.5		13238.9	336913.3	3.9	B31.12-IP-19
42(OCC)		13006.3	183400.5	7.1		8732.2	183400.5	4.8	B31.12-IP-19
43(OCC)		13137.3	183400.5	7.2		8884.2	183400.5	4.8	B31.12-IP-19
44(OCC)		14804.8	183400.5	8.1		9411.3	183400.5	5.1	B31.12-IP-19
45(OCC)		14744.8	183400.5	8.0		9317.6	183400.5	5.1	B31.12-IP-19
46(OCC)		12967.9	183400.5	7.1		8193.4	183400.5	4.5	B31.12-IP-19
47(OCC)		14323.7	183400.5	7.8		14151.8	183400.5	7.7	B31.12-IP-19
48(OCC)		18664.6	183400.5	10.2		14119.9	183400.5	7.7	B31.12-IP-19
49(OCC)		17095.0	183400.5	9.3		12515.8	183400.5	6.8	B31.12-IP-19
50(OCC)		26124.0	183400.5	14.2		13964.8	183400.5	7.6	B31.12-IP-19
51(OCC)		20113.9	183400.5	11.0		11034.9	183400.5	6.0	B31.12-IP-19
52(OCC)		15302.7	183400.5	8.3		15223.2	183400.5	8.3	B31.12-IP-19
53(OCC)		20266.3	183400.5	11.1		13292.6	183400.5	7.2	B31.12-IP-19
54(OCC)		20822.2	183400.5	11.4		9756.8	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	1029	6768.3	137895.1	4.9	1030	14971.7	137895.1	10.9	B31.12-IP-19
4(Alt-SUS)		6774.9	137895.1	4.9		15014.9	137895.1	10.9	B31.12-IP-19
6(Alt-SUS)		6980.5	137895.1	5.1		14800.5	137895.1	10.7	B31.12-IP-19
8(Alt-SUS)		6799.3	137895.1	4.9		14946.0	137895.1	10.8	B31.12-IP-19
14(SUS)		7824.5	137895.1	5.7		14097.8	137895.1	10.2	B31.12-IP-19
24(EXP)		17711.7	336913.3	5.3		17234.7	329723.0	5.2	B31.12-IP-19
25(EXP)		3288.5	336913.3	1.0		3286.5	329723.0	1.0	B31.12-IP-19
26(EXP)		3939.0	336913.3	1.2		3993.7	329723.0	1.2	B31.12-IP-19
27(EXP)		10102.6	336913.3	3.0		9957.9	329723.0	3.0	B31.12-IP-19
28(EXP)		13238.9	336913.3	3.9		13163.9	329723.0	4.0	B31.12-IP-19
42(OCC)		8732.2	183400.5	4.8		15129.8	183400.5	8.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		8884.2	183400.5	4.8		15247.8	183400.5	8.3	B31.12-IP-19
44(OCC)		9411.3	183400.5	5.1		15914.6	183400.5	8.7	B31.12-IP-19
45(OCC)		9317.6	183400.5	5.1		15682.5	183400.5	8.6	B31.12-IP-19
46(OCC)		8193.4	183400.5	4.5		14519.9	183400.5	7.9	B31.12-IP-19
47(OCC)		14151.8	183400.5	7.7		16532.2	183400.5	9.0	B31.12-IP-19
48(OCC)		14119.9	183400.5	7.7		28915.0	183400.5	15.8	B31.12-IP-19
49(OCC)		12515.8	183400.5	6.8		24317.4	183400.5	13.3	B31.12-IP-19
50(OCC)		13964.8	183400.5	7.6		21485.3	183400.5	11.7	B31.12-IP-19
51(OCC)		11034.9	183400.5	6.0		25938.3	183400.5	14.1	B31.12-IP-19
52(OCC)		15223.2	183400.5	8.3		16977.7	183400.5	9.3	B31.12-IP-19
53(OCC)		13292.6	183400.5	7.2		19533.0	183400.5	10.7	B31.12-IP-19
54(OCC)		9756.8	183400.5	5.3		22000.2	183400.5	12.0	B31.12-IP-19
2(Alt-SUS)	1030	8034.5	137895.1	5.8	1035	13246.0	137895.1	9.6	B31.12-IP-19
4(Alt-SUS)		8049.3	137895.1	5.8		13281.2	137895.1	9.6	B31.12-IP-19
6(Alt-SUS)		7975.5	137895.1	5.8		13209.1	137895.1	9.6	B31.12-IP-19
8(Alt-SUS)		8025.6	137895.1	5.8		13240.1	137895.1	9.6	B31.12-IP-19
14(SUS)		7734.9	137895.1	5.6		13044.8	137895.1	9.5	B31.12-IP-19
24(EXP)		5758.1	336688.5	1.7		6343.5	331456.6	1.9	B31.12-IP-19
25(EXP)		1196.4	336688.5	0.4		1387.3	331456.6	0.4	B31.12-IP-19
26(EXP)		1237.9	336688.5	0.4		1104.7	331456.6	0.3	B31.12-IP-19
27(EXP)		3204.6	336688.5	1.0		3411.0	331456.6	1.0	B31.12-IP-19
28(EXP)		4351.7	336688.5	1.3		4771.0	331456.6	1.4	B31.12-IP-19
42(OCC)		8160.8	183400.5	4.4		13425.5	183400.5	7.3	B31.12-IP-19
43(OCC)		8208.6	183400.5	4.5		13454.6	183400.5	7.3	B31.12-IP-19
44(OCC)		9080.3	183400.5	5.0		14296.3	183400.5	7.8	B31.12-IP-19
45(OCC)		9050.7	183400.5	4.9		14294.1	183400.5	7.8	B31.12-IP-19
46(OCC)		7893.7	183400.5	4.3		13224.4	183400.5	7.2	B31.12-IP-19
47(OCC)		9288.3	183400.5	5.1		16715.8	183400.5	9.1	B31.12-IP-19
48(OCC)		13800.7	183400.5	7.5		21123.7	183400.5	11.5	B31.12-IP-19
49(OCC)		12569.2	183400.5	6.9		21011.4	183400.5	11.5	B31.12-IP-19
50(OCC)		11033.0	183400.5	6.0		20398.5	183400.5	11.1	B31.12-IP-19
51(OCC)		12515.0	183400.5	6.8		20009.2	183400.5	10.9	B31.12-IP-19
52(OCC)		9564.9	183400.5	5.2		16655.5	183400.5	9.1	B31.12-IP-19
53(OCC)		11585.5	183400.5	6.3		20177.6	183400.5	11.0	B31.12-IP-19
54(OCC)		10900.7	183400.5	5.9		20000.8	183400.5	10.9	B31.12-IP-19
2(Alt-SUS)	1035	13209.8	137895.1	9.6	1040	9903.1	137895.1	7.2	B31.12-IP-19
4(Alt-SUS)		13244.1	137895.1	9.6		9934.9	137895.1	7.2	B31.12-IP-19
6(Alt-SUS)		13168.7	137895.1	9.5		9863.1	137895.1	7.2	B31.12-IP-19
8(Alt-SUS)		13203.2	137895.1	9.6		9896.8	137895.1	7.2	B31.12-IP-19
14(SUS)		12988.2	137895.1	9.4		9688.7	137895.1	7.0	B31.12-IP-19
24(EXP)		6343.5	331493.8	1.9		6089.1	334802.9	1.8	B31.12-IP-19
25(EXP)		1387.3	331493.8	0.4		1322.9	334802.9	0.4	B31.12-IP-19
26(EXP)		1104.7	331493.8	0.3		1102.0	334802.9	0.3	B31.12-IP-19
27(EXP)		3411.0	331493.8	1.0		3282.8	334802.9	1.0	B31.12-IP-19
28(EXP)		4771.0	331493.8	1.4		4578.1	334802.9	1.4	B31.12-IP-19
42(OCC)		13330.7	183400.5	7.3		9978.0	183400.5	5.4	B31.12-IP-19
43(OCC)		13356.1	183400.5	7.3		10003.3	183400.5	5.5	B31.12-IP-19
44(OCC)		14239.3	183400.5	7.8		10939.6	183400.5	6.0	B31.12-IP-19
45(OCC)		14237.2	183400.5	7.8		10939.4	183400.5	6.0	B31.12-IP-19
46(OCC)		14316.7	183400.5	7.8		11038.4	183400.5	6.0	B31.12-IP-19
47(OCC)		16387.6	183400.5	8.9		11802.5	183400.5	6.4	B31.12-IP-19
48(OCC)		20791.2	183400.5	11.3		15684.1	183400.5	8.6	B31.12-IP-19
49(OCC)		20961.9	183400.5	11.4		14733.4	183400.5	8.0	B31.12-IP-19
50(OCC)		20365.9	183400.5	11.1		14715.1	183400.5	8.0	B31.12-IP-19
51(OCC)		19759.4	183400.5	10.8		14626.0	183400.5	8.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		16306.8	183400.5	8.9		11808.1	183400.5	6.4	B31.12-IP-19
53(OCC)		20071.8	183400.5	10.9		14964.4	183400.5	8.2	B31.12-IP-19
54(OCC)		20025.8	183400.5	10.9		13229.3	183400.5	7.2	B31.12-IP-19
2(Alt-SUS)	1040	9763.4	137895.1	7.1	1045	10939.1	137895.1	7.9	B31.12-IP-19
4(Alt-SUS)		9795.1	137895.1	7.1		11013.3	137895.1	8.0	B31.12-IP-19
6(Alt-SUS)		9723.4	137895.1	7.1		10838.2	137895.1	7.9	B31.12-IP-19
8(Alt-SUS)		9757.0	137895.1	7.1		10923.2	137895.1	7.9	B31.12-IP-19
14(SUS)		9549.3	137895.1	6.9		10407.7	137895.1	7.5	B31.12-IP-19
24(EXP)		6089.1	334942.7	1.8		17124.7	333724.5	5.1	B31.12-IP-19
25(EXP)		1322.9	334942.7	0.4		3671.3	333724.5	1.1	B31.12-IP-19
26(EXP)		1102.0	334942.7	0.3		3139.0	333724.5	0.9	B31.12-IP-19
27(EXP)		3282.8	334942.7	1.0		9292.6	333724.5	2.8	B31.12-IP-19
28(EXP)		4578.1	334942.7	1.4		12902.8	333724.5	3.9	B31.12-IP-19
42(OCC)		9836.3	183400.5	5.4		10991.9	183400.5	6.0	B31.12-IP-19
43(OCC)		9861.7	183400.5	5.4		11055.7	183400.5	6.0	B31.12-IP-19
44(OCC)		10800.4	183400.5	5.9		13505.0	183400.5	7.4	B31.12-IP-19
45(OCC)		10800.4	183400.5	5.9		13512.9	183400.5	7.4	B31.12-IP-19
46(OCC)		10880.4	183400.5	5.9		13682.8	183400.5	7.5	B31.12-IP-19
47(OCC)		11726.8	183400.5	6.4		14084.0	183400.5	7.7	B31.12-IP-19
48(OCC)		15464.1	183400.5	8.4		20856.1	183400.5	11.4	B31.12-IP-19
49(OCC)		14581.7	183400.5	8.0		18178.7	183400.5	9.9	B31.12-IP-19
50(OCC)		14581.2	183400.5	8.0		20622.5	183400.5	11.2	B31.12-IP-19
51(OCC)		14402.7	183400.5	7.9		18005.4	183400.5	9.8	B31.12-IP-19
52(OCC)		11739.3	183400.5	6.4		14475.6	183400.5	7.9	B31.12-IP-19
53(OCC)		14863.4	183400.5	8.1		20384.9	183400.5	11.1	B31.12-IP-19
54(OCC)		13019.3	183400.5	7.1		12488.2	183400.5	6.8	B31.12-IP-19
2(Alt-SUS)	1045	0.0	0.0	0.0	1050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	730	4840.2	137895.1	3.5	1070	4430.4	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4419.2	137895.1	3.2		4292.7	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4743.8	137895.1	3.4		4397.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4786.0	137895.1	3.5		4410.0	137895.1	3.2	B31.12-IP-19
14(SUS)		4759.7	137895.1	3.5		4398.4	137895.1	3.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		21286.5	339897.6	6.3		9487.1	340307.4	2.8	B31.12-IP-19
25(EXP)		6048.8	339897.6	1.8		2173.6	340307.4	0.6	B31.12-IP-19
26(EXP)		3552.8	339897.6	1.0		1169.5	340307.4	0.3	B31.12-IP-19
27(EXP)		11612.7	339897.6	3.4		4621.2	340307.4	1.4	B31.12-IP-19
28(EXP)		17634.5	339897.6	5.2		6785.8	340307.4	2.0	B31.12-IP-19
42(OCC)		7983.2	183400.5	4.4		5572.4	183400.5	3.0	B31.12-IP-19
43(OCC)		6736.9	183400.5	3.7		5048.5	183400.5	2.8	B31.12-IP-19
44(OCC)		6965.2	183400.5	3.8		5513.8	183400.5	3.0	B31.12-IP-19
45(OCC)		5980.1	183400.5	3.3		5023.1	183400.5	2.7	B31.12-IP-19
46(OCC)		4766.0	183400.5	2.6		4401.7	183400.5	2.4	B31.12-IP-19
47(OCC)		10185.3	183400.5	5.6		6466.2	183400.5	3.5	B31.12-IP-19
48(OCC)		6335.5	183400.5	3.5		4932.6	183400.5	2.7	B31.12-IP-19
49(OCC)		9055.7	183400.5	4.9		6664.4	183400.5	3.6	B31.12-IP-19
50(OCC)		8941.0	183400.5	4.9		6206.4	183400.5	3.4	B31.12-IP-19
51(OCC)		9243.6	183400.5	5.0		6088.1	183400.5	3.3	B31.12-IP-19
52(OCC)		6975.6	183400.5	3.8		5330.2	183400.5	2.9	B31.12-IP-19
53(OCC)		7416.0	183400.5	4.0		5758.6	183400.5	3.1	B31.12-IP-19
54(OCC)		6006.1	183400.5	3.3		5105.4	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	940	4490.7	137895.1	3.3	1080	4172.5	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4985.7	137895.1	3.6		4258.4	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4462.7	137895.1	3.2		4168.4	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4478.6	137895.1	3.2		4179.9	137895.1	3.0	B31.12-IP-19
14(SUS)		4425.5	137895.1	3.2		4137.4	137895.1	3.0	B31.12-IP-19
24(EXP)		47994.3	339752.2	14.1		14586.3	340479.4	4.3	B31.12-IP-19
25(EXP)		10014.4	339752.2	2.9		2927.0	340479.4	0.9	B31.12-IP-19
26(EXP)		7992.7	339752.2	2.4		2262.7	340479.4	0.7	B31.12-IP-19
27(EXP)		26733.2	339752.2	7.9		7580.7	340479.4	2.2	B31.12-IP-19
28(EXP)		36736.5	339752.2	10.8		10501.4	340479.4	3.1	B31.12-IP-19
42(OCC)		6526.3	183400.5	3.6		4799.6	183400.5	2.6	B31.12-IP-19
43(OCC)		6696.0	183400.5	3.7		4873.8	183400.5	2.7	B31.12-IP-19
44(OCC)		4561.9	183400.5	2.5		4308.5	183400.5	2.3	B31.12-IP-19
45(OCC)		5192.4	183400.5	2.8		4539.6	183400.5	2.5	B31.12-IP-19
46(OCC)		4427.7	183400.5	2.4		4139.3	183400.5	2.3	B31.12-IP-19
47(OCC)		7149.0	183400.5	3.9		5047.3	183400.5	2.8	B31.12-IP-19
48(OCC)		6969.0	183400.5	3.8		4945.4	183400.5	2.7	B31.12-IP-19
49(OCC)		5583.9	183400.5	3.0		4614.4	183400.5	2.5	B31.12-IP-19
50(OCC)		7067.3	183400.5	3.9		5265.1	183400.5	2.9	B31.12-IP-19
51(OCC)		7016.4	183400.5	3.8		4961.4	183400.5	2.7	B31.12-IP-19
52(OCC)		7135.4	183400.5	3.9		5045.4	183400.5	2.8	B31.12-IP-19
53(OCC)		4898.0	183400.5	2.7		4516.7	183400.5	2.5	B31.12-IP-19
54(OCC)		5489.7	183400.5	3.0		4726.7	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	930	4499.4	137895.1	3.3	1090	4147.1	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		6303.4	137895.1	4.6		4620.8	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		4522.0	137895.1	3.3		4155.4	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4532.7	137895.1	3.3		4170.3	137895.1	3.0	B31.12-IP-19
14(SUS)		4501.6	137895.1	3.3		4124.3	137895.1	3.0	B31.12-IP-19
24(EXP)		38648.1	338434.4	11.4		11310.8	340117.1	3.3	B31.12-IP-19
25(EXP)		10416.4	338434.4	3.1		2888.9	340117.1	0.8	B31.12-IP-19
26(EXP)		5820.3	338434.4	1.7		1635.1	340117.1	0.5	B31.12-IP-19
27(EXP)		20534.7	338434.4	6.1		5842.6	340117.1	1.7	B31.12-IP-19
28(EXP)		30942.8	338434.4	9.1		8726.4	340117.1	2.6	B31.12-IP-19
42(OCC)		6861.0	183400.5	3.7		4886.0	183400.5	2.7	B31.12-IP-19
43(OCC)		7381.2	183400.5	4.0		5114.2	183400.5	2.8	B31.12-IP-19
44(OCC)		6233.3	183400.5	3.4		5010.9	183400.5	2.7	B31.12-IP-19
45(OCC)		5382.7	183400.5	2.9		4574.1	183400.5	2.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4502.8	183400.5	2.5		4125.6	183400.5	2.2	B31.12-IP-19
47(OCC)		7491.5	183400.5	4.1		5137.8	183400.5	2.8	B31.12-IP-19
48(OCC)		7727.0	183400.5	4.2		5201.9	183400.5	2.8	B31.12-IP-19
49(OCC)		8943.0	183400.5	4.9		6387.3	183400.5	3.5	B31.12-IP-19
50(OCC)		7901.2	183400.5	4.3		5582.9	183400.5	3.0	B31.12-IP-19
51(OCC)		7163.2	183400.5	3.9		4947.4	183400.5	2.7	B31.12-IP-19
52(OCC)		8029.3	183400.5	4.4		5375.2	183400.5	2.9	B31.12-IP-19
53(OCC)		6218.4	183400.5	3.4		5033.5	183400.5	2.7	B31.12-IP-19
54(OCC)		5279.8	183400.5	2.9		4561.7	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	750	7920.8	137895.1	5.7	1100	5373.5	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		7761.2	137895.1	5.6		5311.0	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		7920.1	137895.1	5.7		5371.0	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		7943.1	137895.1	5.8		5381.0	137895.1	3.9	B31.12-IP-19
14(SUS)		7909.9	137895.1	5.7		5363.5	137895.1	3.9	B31.12-IP-19
24(EXP)		21218.0	336794.7	6.3		10421.8	339356.8	3.1	B31.12-IP-19
25(EXP)		5705.3	336794.7	1.7		2073.8	339356.8	0.6	B31.12-IP-19
26(EXP)		3867.3	336794.7	1.1		1735.8	339356.8	0.5	B31.12-IP-19
27(EXP)		12653.6	336794.7	3.8		5273.6	339356.8	1.6	B31.12-IP-19
28(EXP)		18345.0	336794.7	5.4		7339.1	339356.8	2.2	B31.12-IP-19
42(OCC)		9795.2	183400.5	5.3		5944.3	183400.5	3.2	B31.12-IP-19
43(OCC)		11161.0	183400.5	6.1		6504.4	183400.5	3.5	B31.12-IP-19
44(OCC)		10118.6	183400.5	5.5		6321.9	183400.5	3.4	B31.12-IP-19
45(OCC)		9512.5	183400.5	5.2		6085.5	183400.5	3.3	B31.12-IP-19
46(OCC)		7913.6	183400.5	4.3		5364.4	183400.5	2.9	B31.12-IP-19
47(OCC)		11077.3	183400.5	6.0		6527.6	183400.5	3.6	B31.12-IP-19
48(OCC)		12024.9	183400.5	6.6		6876.7	183400.5	3.7	B31.12-IP-19
49(OCC)		13005.0	183400.5	7.1		7396.9	183400.5	4.0	B31.12-IP-19
50(OCC)		9791.0	183400.5	5.3		6277.5	183400.5	3.4	B31.12-IP-19
51(OCC)		10798.3	183400.5	5.9		6342.4	183400.5	3.5	B31.12-IP-19
52(OCC)		13266.4	183400.5	7.2		7307.7	183400.5	4.0	B31.12-IP-19
53(OCC)		10936.4	183400.5	6.0		6795.8	183400.5	3.7	B31.12-IP-19
54(OCC)		11088.1	183400.5	6.0		6723.1	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	920	8790.6	137895.1	6.4	1110	5624.8	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		15302.3	137895.1	11.1		7784.0	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		8706.2	137895.1	6.3		5596.7	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		8727.4	137895.1	6.3		5603.6	137895.1	4.1	B31.12-IP-19
14(SUS)		8690.2	137895.1	6.3		5590.4	137895.1	4.1	B31.12-IP-19
24(EXP)		64841.4	329435.6	19.7		13792.5	336953.8	4.1	B31.12-IP-19
25(EXP)		8992.6	329435.6	2.7		2098.2	336953.8	0.6	B31.12-IP-19
26(EXP)		10010.5	329435.6	3.0		2097.0	336953.8	0.6	B31.12-IP-19
27(EXP)		35538.5	329435.6	10.8		7543.1	336953.8	2.2	B31.12-IP-19
28(EXP)		43927.8	329435.6	13.3		9227.0	336953.8	2.7	B31.12-IP-19
42(OCC)		11204.1	183400.5	6.1		6421.7	183400.5	3.5	B31.12-IP-19
43(OCC)		11574.2	183400.5	6.3		6588.5	183400.5	3.6	B31.12-IP-19
44(OCC)		10068.3	183400.5	5.5		6173.3	183400.5	3.4	B31.12-IP-19
45(OCC)		9392.4	183400.5	5.1		5946.5	183400.5	3.2	B31.12-IP-19
46(OCC)		8694.3	183400.5	4.7		5592.5	183400.5	3.0	B31.12-IP-19
47(OCC)		13155.5	183400.5	7.2		7219.3	183400.5	3.9	B31.12-IP-19
48(OCC)		12082.2	183400.5	6.6		6832.5	183400.5	3.7	B31.12-IP-19
49(OCC)		13170.0	183400.5	7.2		7305.1	183400.5	4.0	B31.12-IP-19
50(OCC)		11194.3	183400.5	6.1		6674.7	183400.5	3.6	B31.12-IP-19
51(OCC)		11776.8	183400.5	6.4		6711.7	183400.5	3.7	B31.12-IP-19
52(OCC)		13342.0	183400.5	7.3		7308.5	183400.5	4.0	B31.12-IP-19
53(OCC)		11310.2	183400.5	6.2		6795.8	183400.5	3.7	B31.12-IP-19
54(OCC)		11538.5	183400.5	6.3		6888.6	183400.5	3.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	640	8086.7	137895.1	5.9	1120	3531.8	137895.1	2.6	B31.12-IP-19
4(Alt-SUS)		8628.6	137895.1	6.3		3354.9	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		8802.7	137895.1	6.4		3297.4	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		8775.6	137895.1	6.4		3306.4	137895.1	2.4	B31.12-IP-19
14(SUS)		8860.5	137895.1	6.4		3277.6	137895.1	2.4	B31.12-IP-19
24(EXP)		154495.7	335877.3	46.0		43832.6	341206.0	12.8	B31.12-IP-19
25(EXP)		31851.8	335877.3	9.5		9063.5	341206.0	2.7	B31.12-IP-19
26(EXP)		22545.7	335877.3	6.7		6407.2	341206.0	1.9	B31.12-IP-19
27(EXP)		80915.1	335877.3	24.1		22996.9	341206.0	6.7	B31.12-IP-19
28(EXP)		112766.6	335877.3	33.6		32060.2	341206.0	9.4	B31.12-IP-19
42(OCC)		9460.2	183400.5	5.2		3609.6	183400.5	2.0	B31.12-IP-19
43(OCC)		10536.8	183400.5	5.7		3993.2	183400.5	2.2	B31.12-IP-19
44(OCC)		10472.8	183400.5	5.7		4013.6	183400.5	2.2	B31.12-IP-19
45(OCC)		10017.2	183400.5	5.5		3909.9	183400.5	2.1	B31.12-IP-19
46(OCC)		8881.3	183400.5	4.8		3285.1	183400.5	1.8	B31.12-IP-19
47(OCC)		20710.1	183400.5	11.3		5450.1	183400.5	3.0	B31.12-IP-19
48(OCC)		14259.5	183400.5	7.8		6397.8	183400.5	3.5	B31.12-IP-19
49(OCC)		22442.7	183400.5	12.2		11955.5	183400.5	6.5	B31.12-IP-19
50(OCC)		22448.1	183400.5	12.2		13648.6	183400.5	7.4	B31.12-IP-19
51(OCC)		18057.7	183400.5	9.8		7959.1	183400.5	4.3	B31.12-IP-19
52(OCC)		18704.8	183400.5	10.2		4744.5	183400.5	2.6	B31.12-IP-19
53(OCC)		21767.9	183400.5	11.9		13494.1	183400.5	7.4	B31.12-IP-19
54(OCC)		24506.4	183400.5	13.4		12359.0	183400.5	6.7	B31.12-IP-19
2(Alt-SUS)	1120	3531.8	137895.1	2.6	1130	9530.7	137895.1	6.9	B31.12-IP-19
4(Alt-SUS)		3354.9	137895.1	2.4		9149.1	137895.1	6.6	B31.12-IP-19
6(Alt-SUS)		3297.4	137895.1	2.4		9025.8	137895.1	6.5	B31.12-IP-19
8(Alt-SUS)		3306.4	137895.1	2.4		9045.4	137895.1	6.6	B31.12-IP-19
14(SUS)		3277.6	137895.1	2.4		8982.0	137895.1	6.5	B31.12-IP-19
24(EXP)		43832.6	341206.0	12.8		94738.5	335207.2	28.3	B31.12-IP-19
25(EXP)		9063.5	341206.0	2.7		19721.6	335207.2	5.9	B31.12-IP-19
26(EXP)		6407.2	341206.0	1.9		13949.5	335207.2	4.2	B31.12-IP-19
27(EXP)		22996.9	341206.0	6.7		50012.8	335207.2	14.9	B31.12-IP-19
28(EXP)		32060.2	341206.0	9.4		69734.1	335207.2	20.8	B31.12-IP-19
42(OCC)		3609.6	183400.5	2.0		9921.7	183400.5	5.4	B31.12-IP-19
43(OCC)		3993.2	183400.5	2.2		10728.2	183400.5	5.8	B31.12-IP-19
44(OCC)		4013.6	183400.5	2.2		10661.3	183400.5	5.8	B31.12-IP-19
45(OCC)		3909.9	183400.5	2.1		10482.3	183400.5	5.7	B31.12-IP-19
46(OCC)		3285.1	183400.5	1.8		8996.9	183400.5	4.9	B31.12-IP-19
47(OCC)		5450.1	183400.5	3.0		15678.3	183400.5	8.5	B31.12-IP-19
48(OCC)		6397.8	183400.5	3.5		16171.0	183400.5	8.8	B31.12-IP-19
49(OCC)		11955.5	183400.5	6.5		29726.2	183400.5	16.2	B31.12-IP-19
50(OCC)		13648.6	183400.5	7.4		34407.6	183400.5	18.8	B31.12-IP-19
51(OCC)		7959.1	183400.5	4.3		19402.8	183400.5	10.6	B31.12-IP-19
52(OCC)		4744.5	183400.5	2.6		16058.3	183400.5	8.8	B31.12-IP-19
53(OCC)		13494.1	183400.5	7.4		34329.2	183400.5	18.7	B31.12-IP-19
54(OCC)		12359.0	183400.5	6.7		30014.7	183400.5	16.4	B31.12-IP-19
2(Alt-SUS)	1130	0.0	0.0	0.0	420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	230	0.0	0.0	0.0	1190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1190	43686.4	137895.1	31.7	1200	45833.4	137895.1	33.2	B31.12-IP-19
4(Alt-SUS)		44028.5	137895.1	31.9		47143.5	137895.1	34.2	B31.12-IP-19
6(Alt-SUS)		44183.2	137895.1	32.0		47687.2	137895.1	34.6	B31.12-IP-19
8(Alt-SUS)		44168.9	137895.1	32.0		47634.9	137895.1	34.5	B31.12-IP-19
14(SUS)		44177.7	137895.1	32.0		47685.9	137895.1	34.6	B31.12-IP-19
24(EXP)		19315.6	300554.7	6.4		17476.1	297050.6	5.9	B31.12-IP-19
25(EXP)		4635.3	300554.7	1.5		4380.4	297050.6	1.5	B31.12-IP-19
26(EXP)		3223.6	300554.7	1.1		3037.8	297050.6	1.0	B31.12-IP-19
27(EXP)		11596.1	300554.7	3.9		11005.0	297050.6	3.7	B31.12-IP-19
28(EXP)		16231.4	300554.7	5.4		15385.4	297050.6	5.2	B31.12-IP-19
42(OCC)		44518.4	183400.5	24.3		48088.3	183400.5	26.2	B31.12-IP-19
43(OCC)		44559.8	183400.5	24.3		48113.6	183400.5	26.2	B31.12-IP-19
44(OCC)		44398.2	183400.5	24.2		47917.6	183400.5	26.1	B31.12-IP-19
45(OCC)		44349.0	183400.5	24.2		47869.8	183400.5	26.1	B31.12-IP-19
46(OCC)		44200.5	183400.5	24.1		47760.1	183400.5	26.0	B31.12-IP-19
47(OCC)		54805.5	183400.5	29.9		60934.9	183400.5	33.2	B31.12-IP-19
48(OCC)		52903.9	183400.5	28.8		59067.6	183400.5	32.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		54018.6	183400.5	29.5		58682.1	183400.5	32.0	B31.12-IP-19
50(OCC)		50291.3	183400.5	27.4		56495.2	183400.5	30.8	B31.12-IP-19
51(OCC)		54609.5	183400.5	29.8		60798.1	183400.5	33.2	B31.12-IP-19
52(OCC)		56421.1	183400.5	30.8		62451.0	183400.5	34.1	B31.12-IP-19
53(OCC)		50225.1	183400.5	27.4		56234.5	183400.5	30.7	B31.12-IP-19
54(OCC)		53862.3	183400.5	29.4		58190.1	183400.5	31.7	B31.12-IP-19
2(Alt-SUS)	1200	45833.4	137895.1	33.2	1210	40625.5	137895.1	29.5	B31.12-IP-19
4(Alt-SUS)		47143.5	137895.1	34.2		41864.3	137895.1	30.4	B31.12-IP-19
6(Alt-SUS)		47687.3	137895.1	34.6		42375.0	137895.1	30.7	B31.12-IP-19
8(Alt-SUS)		47634.9	137895.1	34.5		42325.9	137895.1	30.7	B31.12-IP-19
14(SUS)		47686.8	137895.1	34.6		42374.4	137895.1	30.7	B31.12-IP-19
24(EXP)		17476.1	297050.5	5.9		14510.3	302362.9	4.8	B31.12-IP-19
25(EXP)		4380.4	297050.5	1.5		3756.2	302362.9	1.2	B31.12-IP-19
26(EXP)		3037.8	297050.5	1.0		2604.9	302362.9	0.9	B31.12-IP-19
27(EXP)		11005.0	297050.5	3.7		9454.4	302362.9	3.1	B31.12-IP-19
28(EXP)		15385.4	297050.5	5.2		13210.6	302362.9	4.4	B31.12-IP-19
42(OCC)		48115.2	183400.5	26.2		42647.9	183400.5	23.3	B31.12-IP-19
43(OCC)		48134.3	183400.5	26.2		42717.8	183400.5	23.3	B31.12-IP-19
44(OCC)		47921.6	183400.5	26.1		42588.1	183400.5	23.2	B31.12-IP-19
45(OCC)		47873.0	183400.5	26.1		42544.2	183400.5	23.2	B31.12-IP-19
46(OCC)		47759.2	183400.5	26.0		42442.7	183400.5	23.1	B31.12-IP-19
47(OCC)		60892.6	183400.5	33.2		51179.4	183400.5	27.9	B31.12-IP-19
48(OCC)		58793.2	183400.5	32.1		49745.2	183400.5	27.1	B31.12-IP-19
49(OCC)		58330.6	183400.5	31.8		50184.0	183400.5	27.4	B31.12-IP-19
50(OCC)		56940.2	183400.5	31.0		49208.0	183400.5	26.8	B31.12-IP-19
51(OCC)		59893.2	183400.5	32.7		50644.0	183400.5	27.6	B31.12-IP-19
52(OCC)		61356.8	183400.5	33.5		51691.5	183400.5	28.2	B31.12-IP-19
53(OCC)		56840.7	183400.5	31.0		49038.1	183400.5	26.7	B31.12-IP-19
54(OCC)		57794.2	183400.5	31.5		49680.7	183400.5	27.1	B31.12-IP-19
2(Alt-SUS)	1210	0.0	0.0	0.0	1220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1220	0.0	0.0	0.0	710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1230	0.0	0.0	0.0	1240	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1240	6053.3	137895.1	4.4	1248	6335.3	137895.1	4.6	B31.12-IP-19
4(Alt-SUS)		6327.4	137895.1	4.6		6611.0	137895.1	4.8	B31.12-IP-19
6(Alt-SUS)		6055.3	137895.1	4.4		6335.7	137895.1	4.6	B31.12-IP-19
8(Alt-SUS)		6053.5	137895.1	4.4		6335.4	137895.1	4.6	B31.12-IP-19
14(SUS)		6323.0	137895.1	4.6		6610.2	137895.1	4.8	B31.12-IP-19
24(EXP)		17280.7	338410.4	5.1		17324.3	338126.8	5.1	B31.12-IP-19
25(EXP)		3399.9	338410.4	1.0		3506.5	338126.8	1.0	B31.12-IP-19
26(EXP)		2347.1	338410.4	0.7		2601.2	338126.8	0.8	B31.12-IP-19
27(EXP)		9673.1	338410.4	2.9		10132.3	338126.8	3.0	B31.12-IP-19
28(EXP)		13062.1	338410.4	3.9		13584.8	338126.8	4.0	B31.12-IP-19
42(OCC)		7100.3	183400.5	3.9		6730.9	183400.5	3.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		7108.5	183400.5	3.9		6722.9	183400.5	3.7	B31.12-IP-19
44(OCC)		7571.5	183400.5	4.1		6808.4	183400.5	3.7	B31.12-IP-19
45(OCC)		7574.4	183400.5	4.1		6809.0	183400.5	3.7	B31.12-IP-19
46(OCC)		6323.0	183400.5	3.4		6610.2	183400.5	3.6	B31.12-IP-19
47(OCC)		7769.6	183400.5	4.2		7249.7	183400.5	4.0	B31.12-IP-19
48(OCC)		7423.7	183400.5	4.0		7173.0	183400.5	3.9	B31.12-IP-19
49(OCC)		10203.1	183400.5	5.6		7770.4	183400.5	4.2	B31.12-IP-19
50(OCC)		11249.3	183400.5	6.1		7592.0	183400.5	4.1	B31.12-IP-19
51(OCC)		7276.4	183400.5	4.0		7179.6	183400.5	3.9	B31.12-IP-19
52(OCC)		8027.4	183400.5	4.4		7220.7	183400.5	3.9	B31.12-IP-19
53(OCC)		9261.1	183400.5	5.0		6993.2	183400.5	3.8	B31.12-IP-19
54(OCC)		11108.3	183400.5	6.1		7951.9	183400.5	4.3	B31.12-IP-19
2(Alt-SUS)	1248	8388.8	137895.1	6.1	1249	7758.5	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		9429.1	137895.1	6.8		8779.4	137895.1	6.4	B31.12-IP-19
6(Alt-SUS)		8390.4	137895.1	6.1		7759.2	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		8389.0	137895.1	6.1		7758.6	137895.1	5.6	B31.12-IP-19
14(SUS)		9426.4	137895.1	6.8		8779.4	137895.1	6.4	B31.12-IP-19
24(EXP)		40553.2	335308.8	12.1		25162.8	335958.4	7.5	B31.12-IP-19
25(EXP)		7289.0	335308.8	2.2		3843.4	335958.4	1.1	B31.12-IP-19
26(EXP)		5738.9	335308.8	1.7		3363.4	335958.4	1.0	B31.12-IP-19
27(EXP)		24700.8	335308.8	7.4		14838.1	335958.4	4.4	B31.12-IP-19
28(EXP)		31674.7	335308.8	9.4		18117.2	335958.4	5.4	B31.12-IP-19
42(OCC)		9683.0	183400.5	5.3		8872.2	183400.5	4.8	B31.12-IP-19
43(OCC)		9665.8	183400.5	5.3		8864.9	183400.5	4.8	B31.12-IP-19
44(OCC)		10051.7	183400.5	5.5		8907.1	183400.5	4.9	B31.12-IP-19
45(OCC)		10053.7	183400.5	5.5		8908.0	183400.5	4.9	B31.12-IP-19
46(OCC)		9426.4	183400.5	5.1		8779.5	183400.5	4.8	B31.12-IP-19
47(OCC)		11220.1	183400.5	6.1		10093.6	183400.5	5.5	B31.12-IP-19
48(OCC)		10822.6	183400.5	5.9		9992.3	183400.5	5.4	B31.12-IP-19
49(OCC)		12966.9	183400.5	7.1		10242.6	183400.5	5.6	B31.12-IP-19
50(OCC)		11740.8	183400.5	6.4		10452.2	183400.5	5.7	B31.12-IP-19
51(OCC)		10662.1	183400.5	5.8		9980.6	183400.5	5.4	B31.12-IP-19
52(OCC)		10972.5	183400.5	6.0		10093.9	183400.5	5.5	B31.12-IP-19
53(OCC)		10287.6	183400.5	5.6		10087.8	183400.5	5.5	B31.12-IP-19
54(OCC)		13576.5	183400.5	7.4		10531.5	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	1249	7758.5	137895.1	5.6	1250	6980.1	137895.1	5.1	B31.12-IP-19
4(Alt-SUS)		8779.4	137895.1	6.4		7506.3	137895.1	5.4	B31.12-IP-19
6(Alt-SUS)		7759.2	137895.1	5.6		6978.3	137895.1	5.1	B31.12-IP-19
8(Alt-SUS)		7758.6	137895.1	5.6		6979.9	137895.1	5.1	B31.12-IP-19
14(SUS)		8779.4	137895.1	6.4		7509.5	137895.1	5.4	B31.12-IP-19
24(EXP)		25162.8	335958.4	7.5		38396.7	337228.3	11.4	B31.12-IP-19
25(EXP)		3843.4	335958.4	1.1		8219.9	337228.3	2.4	B31.12-IP-19
26(EXP)		3363.4	335958.4	1.0		5527.1	337228.3	1.6	B31.12-IP-19
27(EXP)		14838.1	335958.4	4.4		21831.8	337228.3	6.5	B31.12-IP-19
28(EXP)		18117.2	335958.4	5.4		29877.8	337228.3	8.9	B31.12-IP-19
42(OCC)		8872.2	183400.5	4.8		7589.1	183400.5	4.1	B31.12-IP-19
43(OCC)		8864.9	183400.5	4.8		7594.5	183400.5	4.1	B31.12-IP-19
44(OCC)		8907.1	183400.5	4.9		7793.6	183400.5	4.2	B31.12-IP-19
45(OCC)		8908.0	183400.5	4.9		7795.3	183400.5	4.3	B31.12-IP-19
46(OCC)		8779.5	183400.5	4.8		7509.5	183400.5	4.1	B31.12-IP-19
47(OCC)		10093.6	183400.5	5.5		8366.0	183400.5	4.6	B31.12-IP-19
48(OCC)		9992.3	183400.5	5.4		8353.1	183400.5	4.6	B31.12-IP-19
49(OCC)		10242.6	183400.5	5.6		8062.6	183400.5	4.4	B31.12-IP-19
50(OCC)		10452.2	183400.5	5.7		10622.5	183400.5	5.8	B31.12-IP-19
51(OCC)		9980.6	183400.5	5.4		8580.9	183400.5	4.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		10093.9	183400.5	5.5		8891.8	183400.5	4.8	B31.12-IP-19
53(OCC)		10087.8	183400.5	5.5		9080.7	183400.5	5.0	B31.12-IP-19
54(OCC)		10531.5	183400.5	5.7		8808.7	183400.5	4.8	B31.12-IP-19
2(Alt-SUS)	1250	5960.8	137895.1	4.3	1258	5602.6	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		6107.1	137895.1	4.4		5729.7	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		5960.2	137895.1	4.3		5601.4	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5960.8	137895.1	4.3		5602.5	137895.1	4.1	B31.12-IP-19
14(SUS)		6108.2	137895.1	4.4		5730.7	137895.1	4.2	B31.12-IP-19
24(EXP)		15696.5	338629.7	4.6		13029.0	339007.1	3.8	B31.12-IP-19
25(EXP)		3361.8	338629.7	1.0		2715.9	339007.1	0.8	B31.12-IP-19
26(EXP)		2489.1	338629.7	0.7		2108.2	339007.1	0.6	B31.12-IP-19
27(EXP)		9344.6	338629.7	2.8		7940.0	339007.1	2.3	B31.12-IP-19
28(EXP)		12680.8	338629.7	3.7		10622.1	339007.1	3.1	B31.12-IP-19
42(OCC)		6181.8	183400.5	3.4		5843.5	183400.5	3.2	B31.12-IP-19
43(OCC)		6183.8	183400.5	3.4		5827.0	183400.5	3.2	B31.12-IP-19
44(OCC)		6239.4	183400.5	3.4		5915.8	183400.5	3.2	B31.12-IP-19
45(OCC)		6240.2	183400.5	3.4		5917.6	183400.5	3.2	B31.12-IP-19
46(OCC)		6108.2	183400.5	3.3		5730.7	183400.5	3.1	B31.12-IP-19
47(OCC)		6441.9	183400.5	3.5		5920.2	183400.5	3.2	B31.12-IP-19
48(OCC)		6594.0	183400.5	3.6		6170.3	183400.5	3.4	B31.12-IP-19
49(OCC)		6599.1	183400.5	3.6		6419.7	183400.5	3.5	B31.12-IP-19
50(OCC)		7369.6	183400.5	4.0		7411.7	183400.5	4.0	B31.12-IP-19
51(OCC)		6653.0	183400.5	3.6		6274.5	183400.5	3.4	B31.12-IP-19
52(OCC)		6643.7	183400.5	3.6		6226.7	183400.5	3.4	B31.12-IP-19
53(OCC)		6725.4	183400.5	3.7		6247.0	183400.5	3.4	B31.12-IP-19
54(OCC)		6841.7	183400.5	3.7		6914.6	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	1258	5908.6	137895.1	4.3	1259	6641.7	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		6253.5	137895.1	4.5		7225.2	137895.1	5.2	B31.12-IP-19
6(Alt-SUS)		5904.6	137895.1	4.3		6641.3	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		5908.2	137895.1	4.3		6641.7	137895.1	4.8	B31.12-IP-19
14(SUS)		6258.2	137895.1	4.5		7225.7	137895.1	5.2	B31.12-IP-19
24(EXP)		23410.3	338479.7	6.9		16294.2	337512.2	4.8	B31.12-IP-19
25(EXP)		4691.4	338479.7	1.4		5026.5	337512.2	1.5	B31.12-IP-19
26(EXP)		2919.5	338479.7	0.9		3667.2	337512.2	1.1	B31.12-IP-19
27(EXP)		13354.7	338479.7	3.9		10437.4	337512.2	3.1	B31.12-IP-19
28(EXP)		17747.5	338479.7	5.2		15084.5	337512.2	4.5	B31.12-IP-19
42(OCC)		6518.2	183400.5	3.6		7751.8	183400.5	4.2	B31.12-IP-19
43(OCC)		6449.0	183400.5	3.5		7673.8	183400.5	4.2	B31.12-IP-19
44(OCC)		6727.4	183400.5	3.7		7614.1	183400.5	4.2	B31.12-IP-19
45(OCC)		6732.8	183400.5	3.7		7619.4	183400.5	4.2	B31.12-IP-19
46(OCC)		6258.2	183400.5	3.4		7225.7	183400.5	3.9	B31.12-IP-19
47(OCC)		6518.2	183400.5	3.6		7873.6	183400.5	4.3	B31.12-IP-19
48(OCC)		6832.7	183400.5	3.7		8272.9	183400.5	4.5	B31.12-IP-19
49(OCC)		7771.4	183400.5	4.2		8973.6	183400.5	4.9	B31.12-IP-19
50(OCC)		11185.3	183400.5	6.1		11883.7	183400.5	6.5	B31.12-IP-19
51(OCC)		7404.0	183400.5	4.0		8799.0	183400.5	4.8	B31.12-IP-19
52(OCC)		7679.8	183400.5	4.2		8182.6	183400.5	4.5	B31.12-IP-19
53(OCC)		7627.8	183400.5	4.2		8304.6	183400.5	4.5	B31.12-IP-19
54(OCC)		9436.3	183400.5	5.1		10532.1	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	1259	6641.7	137895.1	4.8	1260	6798.4	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		7225.2	137895.1	5.2		7067.3	137895.1	5.1	B31.12-IP-19
6(Alt-SUS)		6641.3	137895.1	4.8		6798.2	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		6641.7	137895.1	4.8		6798.4	137895.1	4.9	B31.12-IP-19
14(SUS)		7225.7	137895.1	5.2		7067.2	137895.1	5.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		16294.2	337512.2	4.8		33187.3	337670.5	9.8	B31.12-IP-19
25(EXP)		5026.5	337512.2	1.5		8344.0	337670.5	2.5	B31.12-IP-19
26(EXP)		3667.2	337512.2	1.1		6413.1	337670.5	1.9	B31.12-IP-19
27(EXP)		10437.4	337512.2	3.1		20708.9	337670.5	6.1	B31.12-IP-19
28(EXP)		15084.5	337512.2	4.5		28939.8	337670.5	8.6	B31.12-IP-19
42(OCC)		7751.8	183400.5	4.2		7656.3	183400.5	4.2	B31.12-IP-19
43(OCC)		7673.8	183400.5	4.2		7602.8	183400.5	4.1	B31.12-IP-19
44(OCC)		7614.1	183400.5	4.2		7199.7	183400.5	3.9	B31.12-IP-19
45(OCC)		7619.4	183400.5	4.2		7198.9	183400.5	3.9	B31.12-IP-19
46(OCC)		7225.7	183400.5	3.9		7067.2	183400.5	3.9	B31.12-IP-19
47(OCC)		7873.6	183400.5	4.3		7967.2	183400.5	4.3	B31.12-IP-19
48(OCC)		8272.9	183400.5	4.5		8343.1	183400.5	4.5	B31.12-IP-19
49(OCC)		8973.6	183400.5	4.9		8234.0	183400.5	4.5	B31.12-IP-19
50(OCC)		11883.7	183400.5	6.5		9876.5	183400.5	5.4	B31.12-IP-19
51(OCC)		8799.0	183400.5	4.8		8688.8	183400.5	4.7	B31.12-IP-19
52(OCC)		8182.6	183400.5	4.5		7542.3	183400.5	4.1	B31.12-IP-19
53(OCC)		8304.6	183400.5	4.5		7561.7	183400.5	4.1	B31.12-IP-19
54(OCC)		10532.1	183400.5	5.7		9156.3	183400.5	5.0	B31.12-IP-19
2(Alt-SUS)	1260	5959.3	137895.1	4.3	1268	6026.1	137895.1	4.4	B31.12-IP-19
4(Alt-SUS)		6067.9	137895.1	4.4		5646.3	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		5959.2	137895.1	4.3		6025.8	137895.1	4.4	B31.12-IP-19
8(Alt-SUS)		5959.3	137895.1	4.3		6026.0	137895.1	4.4	B31.12-IP-19
14(SUS)		6067.8	137895.1	4.4		5648.6	137895.1	4.1	B31.12-IP-19
24(EXP)		11852.7	338669.9	3.5		9789.2	338711.8	2.9	B31.12-IP-19
25(EXP)		2454.1	338669.9	0.7		2369.6	338711.8	0.7	B31.12-IP-19
26(EXP)		1995.4	338669.9	0.6		1361.5	338711.8	0.4	B31.12-IP-19
27(EXP)		7249.8	338669.9	2.1		5625.0	338711.8	1.7	B31.12-IP-19
28(EXP)		9566.9	338669.9	2.8		7394.9	338711.8	2.2	B31.12-IP-19
42(OCC)		6283.6	183400.5	3.4		5725.0	183400.5	3.1	B31.12-IP-19
43(OCC)		6266.5	183400.5	3.4		5733.5	183400.5	3.1	B31.12-IP-19
44(OCC)		6129.4	183400.5	3.3		5781.1	183400.5	3.2	B31.12-IP-19
45(OCC)		6129.3	183400.5	3.3		5782.1	183400.5	3.2	B31.12-IP-19
46(OCC)		6067.8	183400.5	3.3		5648.6	183400.5	3.1	B31.12-IP-19
47(OCC)		6414.2	183400.5	3.5		6176.1	183400.5	3.4	B31.12-IP-19
48(OCC)		6553.7	183400.5	3.6		6059.2	183400.5	3.3	B31.12-IP-19
49(OCC)		6519.9	183400.5	3.6		6093.3	183400.5	3.3	B31.12-IP-19
50(OCC)		7005.4	183400.5	3.8		6747.0	183400.5	3.7	B31.12-IP-19
51(OCC)		6658.5	183400.5	3.6		6036.9	183400.5	3.3	B31.12-IP-19
52(OCC)		6275.7	183400.5	3.4		6343.7	183400.5	3.5	B31.12-IP-19
53(OCC)		6273.0	183400.5	3.4		6092.7	183400.5	3.3	B31.12-IP-19
54(OCC)		6805.9	183400.5	3.7		6390.3	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	1268	6991.3	137895.1	5.1	1269	7895.0	137895.1	5.7	B31.12-IP-19
4(Alt-SUS)		5999.3	137895.1	4.4		7061.6	137895.1	5.1	B31.12-IP-19
6(Alt-SUS)		6990.3	137895.1	5.1		7894.2	137895.1	5.7	B31.12-IP-19
8(Alt-SUS)		6991.2	137895.1	5.1		7894.9	137895.1	5.7	B31.12-IP-19
14(SUS)		6006.9	137895.1	4.4		7065.1	137895.1	5.1	B31.12-IP-19
24(EXP)		26558.9	337746.5	7.9		28250.3	336842.8	8.4	B31.12-IP-19
25(EXP)		8652.3	337746.5	2.6		8559.0	336842.8	2.5	B31.12-IP-19
26(EXP)		3909.3	337746.5	1.2		3814.5	336842.8	1.1	B31.12-IP-19
27(EXP)		14519.5	337746.5	4.3		15360.9	336842.8	4.6	B31.12-IP-19
28(EXP)		21781.6	337746.5	6.4		23554.8	336842.8	7.0	B31.12-IP-19
42(OCC)		6129.1	183400.5	3.3		7357.6	183400.5	4.0	B31.12-IP-19
43(OCC)		6167.0	183400.5	3.4		7283.8	183400.5	4.0	B31.12-IP-19
44(OCC)		6400.0	183400.5	3.5		7320.3	183400.5	4.0	B31.12-IP-19
45(OCC)		6403.1	183400.5	3.5		7325.3	183400.5	4.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		6006.9	183400.5	3.3		7065.1	183400.5	3.9	B31.12-IP-19
47(OCC)		7310.2	183400.5	4.0		8479.7	183400.5	4.6	B31.12-IP-19
48(OCC)		6943.5	183400.5	3.8		8330.0	183400.5	4.5	B31.12-IP-19
49(OCC)		7218.4	183400.5	3.9		8901.8	183400.5	4.9	B31.12-IP-19
50(OCC)		9310.0	183400.5	5.1		11772.6	183400.5	6.4	B31.12-IP-19
51(OCC)		6828.7	183400.5	3.7		8631.8	183400.5	4.7	B31.12-IP-19
52(OCC)		7923.5	183400.5	4.3		9133.0	183400.5	5.0	B31.12-IP-19
53(OCC)		7272.1	183400.5	4.0		8478.9	183400.5	4.6	B31.12-IP-19
54(OCC)		8154.7	183400.5	4.4		10279.3	183400.5	5.6	B31.12-IP-19
2(Alt-SUS)	1269	7895.0	137895.1	5.7	1270	7724.0	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		7061.6	137895.1	5.1		8219.9	137895.1	6.0	B31.12-IP-19
6(Alt-SUS)		7894.2	137895.1	5.7		7723.3	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		7894.9	137895.1	5.7		7723.9	137895.1	5.6	B31.12-IP-19
14(SUS)		7065.1	137895.1	5.1		8222.1	137895.1	6.0	B31.12-IP-19
24(EXP)		28250.3	336842.8	8.4		21827.4	336515.8	6.5	B31.12-IP-19
25(EXP)		8559.0	336842.8	2.5		5195.6	336515.8	1.5	B31.12-IP-19
26(EXP)		3814.5	336842.8	1.1		2068.7	336515.8	0.6	B31.12-IP-19
27(EXP)		15360.9	336842.8	4.6		11635.4	336515.8	3.5	B31.12-IP-19
28(EXP)		23554.8	336842.8	7.0		15964.6	336515.8	4.7	B31.12-IP-19
42(OCC)		7357.6	183400.5	4.0		9115.0	183400.5	5.0	B31.12-IP-19
43(OCC)		7283.8	183400.5	4.0		9009.9	183400.5	4.9	B31.12-IP-19
44(OCC)		7320.3	183400.5	4.0		8484.5	183400.5	4.6	B31.12-IP-19
45(OCC)		7325.3	183400.5	4.0		8490.8	183400.5	4.6	B31.12-IP-19
46(OCC)		7065.1	183400.5	3.9		8222.1	183400.5	4.5	B31.12-IP-19
47(OCC)		8479.7	183400.5	4.6		10296.1	183400.5	5.6	B31.12-IP-19
48(OCC)		8330.0	183400.5	4.5		10599.8	183400.5	5.8	B31.12-IP-19
49(OCC)		8901.8	183400.5	4.9		10354.8	183400.5	5.6	B31.12-IP-19
50(OCC)		11772.6	183400.5	6.4		14062.0	183400.5	7.7	B31.12-IP-19
51(OCC)		8631.8	183400.5	4.7		11409.2	183400.5	6.2	B31.12-IP-19
52(OCC)		9133.0	183400.5	5.0		9476.9	183400.5	5.2	B31.12-IP-19
53(OCC)		8478.9	183400.5	4.6		9635.3	183400.5	5.3	B31.12-IP-19
54(OCC)		10279.3	183400.5	5.6		12253.6	183400.5	6.7	B31.12-IP-19
2(Alt-SUS)	1270	6394.2	137895.1	4.6	1275	9747.1	137895.1	7.1	B31.12-IP-19
4(Alt-SUS)		6498.1	137895.1	4.7		9226.7	137895.1	6.7	B31.12-IP-19
6(Alt-SUS)		6394.0	137895.1	4.6		9747.2	137895.1	7.1	B31.12-IP-19
8(Alt-SUS)		6394.1	137895.1	4.6		9747.1	137895.1	7.1	B31.12-IP-19
14(SUS)		6498.8	137895.1	4.7		9226.1	137895.1	6.7	B31.12-IP-19
24(EXP)		6359.9	338239.0	1.9		10062.4	334990.7	3.0	B31.12-IP-19
25(EXP)		1941.9	338239.0	0.6		1914.8	334990.7	0.6	B31.12-IP-19
26(EXP)		609.3	338239.0	0.2		2127.0	334990.7	0.6	B31.12-IP-19
27(EXP)		3455.7	338239.0	1.0		6305.2	334990.7	1.9	B31.12-IP-19
28(EXP)		4149.5	338239.0	1.2		7181.9	334990.7	2.1	B31.12-IP-19
42(OCC)		6786.3	183400.5	3.7		10694.0	183400.5	5.8	B31.12-IP-19
43(OCC)		6751.8	183400.5	3.7		10642.6	183400.5	5.8	B31.12-IP-19
44(OCC)		6604.0	183400.5	3.6		9475.5	183400.5	5.2	B31.12-IP-19
45(OCC)		6605.7	183400.5	3.6		9478.8	183400.5	5.2	B31.12-IP-19
46(OCC)		6498.8	183400.5	3.5		9226.1	183400.5	5.0	B31.12-IP-19
47(OCC)		7414.1	183400.5	4.0		13416.6	183400.5	7.3	B31.12-IP-19
48(OCC)		7501.6	183400.5	4.1		13413.2	183400.5	7.3	B31.12-IP-19
49(OCC)		7498.2	183400.5	4.1		11968.5	183400.5	6.5	B31.12-IP-19
50(OCC)		8455.0	183400.5	4.6		12482.2	183400.5	6.8	B31.12-IP-19
51(OCC)		7709.6	183400.5	4.2		13769.8	183400.5	7.5	B31.12-IP-19
52(OCC)		7251.5	183400.5	4.0		12758.5	183400.5	7.0	B31.12-IP-19
53(OCC)		7254.2	183400.5	4.0		11346.6	183400.5	6.2	B31.12-IP-19
54(OCC)		7978.6	183400.5	4.4		12531.8	183400.5	6.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	1275	9741.2	137895.1	7.1	1280	8328.0	137895.1	6.0	B31.12-IP-19
4(Alt-SUS)		9220.7	137895.1	6.7		7617.5	137895.1	5.5	B31.12-IP-19
6(Alt-SUS)		9742.1	137895.1	7.1		8328.5	137895.1	6.0	B31.12-IP-19
8(Alt-SUS)		9741.3	137895.1	7.1		8328.1	137895.1	6.0	B31.12-IP-19
14(SUS)		9214.4	137895.1	6.7		7612.1	137895.1	5.5	B31.12-IP-19
24(EXP)		10062.4	334995.8	3.0		5560.8	336409.3	1.7	B31.12-IP-19
25(EXP)		1914.8	334995.8	0.6		3085.7	336409.3	0.9	B31.12-IP-19
26(EXP)		2127.0	334995.8	0.6		1325.6	336409.3	0.4	B31.12-IP-19
27(EXP)		6305.2	334995.8	1.9		3619.5	336409.3	1.1	B31.12-IP-19
28(EXP)		7181.9	334995.8	2.1		5890.1	336409.3	1.8	B31.12-IP-19
42(OCC)		10722.0	183400.5	5.8		8123.1	183400.5	4.4	B31.12-IP-19
43(OCC)		10663.0	183400.5	5.8		8117.7	183400.5	4.4	B31.12-IP-19
44(OCC)		9467.9	183400.5	5.2		7704.0	183400.5	4.2	B31.12-IP-19
45(OCC)		9472.0	183400.5	5.2		7705.0	183400.5	4.2	B31.12-IP-19
46(OCC)		9214.4	183400.5	5.0		7612.1	183400.5	4.2	B31.12-IP-19
47(OCC)		13450.1	183400.5	7.3		10151.4	183400.5	5.5	B31.12-IP-19
48(OCC)		13444.8	183400.5	7.3		10171.7	183400.5	5.5	B31.12-IP-19
49(OCC)		12088.1	183400.5	6.6		9115.9	183400.5	5.0	B31.12-IP-19
50(OCC)		12613.3	183400.5	6.9		9618.3	183400.5	5.2	B31.12-IP-19
51(OCC)		13867.3	183400.5	7.6		10238.8	183400.5	5.6	B31.12-IP-19
52(OCC)		12814.2	183400.5	7.0		10276.9	183400.5	5.6	B31.12-IP-19
53(OCC)		11532.0	183400.5	6.3		9491.0	183400.5	5.2	B31.12-IP-19
54(OCC)		12487.8	183400.5	6.8		9030.7	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	1280	0.0	0.0	0.0	1285	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1285	0.0	0.0	0.0	1290	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1290	8822.7	137895.1	6.4	1300	8852.5	137895.1	6.4	B31.12-IP-19
4(Alt-SUS)		7978.1	137895.1	5.8		7993.5	137895.1	5.8	B31.12-IP-19
6(Alt-SUS)		8823.2	137895.1	6.4		8853.0	137895.1	6.4	B31.12-IP-19
8(Alt-SUS)		8822.7	137895.1	6.4		8852.6	137895.1	6.4	B31.12-IP-19
14(SUS)		7972.6	137895.1	5.8		7988.1	137895.1	5.8	B31.12-IP-19
24(EXP)		5054.8	335914.7	1.5		5003.7	335884.8	1.5	B31.12-IP-19
25(EXP)		3319.8	335914.7	1.0		3345.7	335884.8	1.0	B31.12-IP-19
26(EXP)		1306.2	335914.7	0.4		1306.2	335884.8	0.4	B31.12-IP-19
27(EXP)		3315.6	335914.7	1.0		3284.8	335884.8	1.0	B31.12-IP-19
28(EXP)		5825.6	335914.7	1.7		5821.6	335884.8	1.7	B31.12-IP-19
42(OCC)		8624.3	183400.5	4.7		8653.1	183400.5	4.7	B31.12-IP-19
43(OCC)		8613.0	183400.5	4.7		8641.3	183400.5	4.7	B31.12-IP-19
44(OCC)		8062.9	183400.5	4.4		8078.8	183400.5	4.4	B31.12-IP-19
45(OCC)		8063.7	183400.5	4.4		8079.7	183400.5	4.4	B31.12-IP-19
46(OCC)		7972.6	183400.5	4.3		7988.1	183400.5	4.4	B31.12-IP-19
47(OCC)		10995.9	183400.5	6.0		11043.6	183400.5	6.0	B31.12-IP-19
48(OCC)		11014.4	183400.5	6.0		11062.4	183400.5	6.0	B31.12-IP-19
49(OCC)		9626.9	183400.5	5.2		9656.8	183400.5	5.3	B31.12-IP-19
50(OCC)		10284.4	183400.5	5.6		10317.3	183400.5	5.6	B31.12-IP-19
51(OCC)		11121.7	183400.5	6.1		11174.2	183400.5	6.1	B31.12-IP-19
52(OCC)		11044.0	183400.5	6.0		11083.9	183400.5	6.0	B31.12-IP-19
53(OCC)		9989.2	183400.5	5.4		10016.3	183400.5	5.5	B31.12-IP-19
54(OCC)		9707.9	183400.5	5.3		9741.3	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	1300	8852.5	137895.1	6.4	1310	8881.8	137895.1	6.4	B31.12-IP-19
4(Alt-SUS)		7993.5	137895.1	5.8		8008.3	137895.1	5.8	B31.12-IP-19
6(Alt-SUS)		8853.0	137895.1	6.4		8882.3	137895.1	6.4	B31.12-IP-19
8(Alt-SUS)		8852.6	137895.1	6.4		8881.8	137895.1	6.4	B31.12-IP-19
14(SUS)		7988.1	137895.1	5.8		8002.9	137895.1	5.8	B31.12-IP-19
24(EXP)		5003.7	335884.8	1.5		4953.1	335855.6	1.5	B31.12-IP-19
25(EXP)		3345.7	335884.8	1.0		3371.7	335855.6	1.0	B31.12-IP-19
26(EXP)		1306.2	335884.8	0.4		1306.6	335855.6	0.4	B31.12-IP-19
27(EXP)		3284.8	335884.8	1.0		3254.3	335855.6	1.0	B31.12-IP-19
28(EXP)		5821.6	335884.8	1.7		5817.9	335855.6	1.7	B31.12-IP-19
42(OCC)		8653.1	183400.5	4.7		8681.1	183400.5	4.7	B31.12-IP-19
43(OCC)		8641.3	183400.5	4.7		8668.6	183400.5	4.7	B31.12-IP-19
44(OCC)		8078.8	183400.5	4.4		8094.3	183400.5	4.4	B31.12-IP-19
45(OCC)		8079.7	183400.5	4.4		8095.2	183400.5	4.4	B31.12-IP-19
46(OCC)		7988.1	183400.5	4.4		8002.9	183400.5	4.4	B31.12-IP-19
47(OCC)		11043.6	183400.5	6.0		11090.3	183400.5	6.0	B31.12-IP-19
48(OCC)		11062.4	183400.5	6.0		11109.4	183400.5	6.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		9656.8	183400.5	5.3		9686.0	183400.5	5.3	B31.12-IP-19
50(OCC)		10317.3	183400.5	5.6		10349.8	183400.5	5.6	B31.12-IP-19
51(OCC)		11174.2	183400.5	6.1		11225.6	183400.5	6.1	B31.12-IP-19
52(OCC)		11083.9	183400.5	6.0		11122.7	183400.5	6.1	B31.12-IP-19
53(OCC)		10016.3	183400.5	5.5		10042.7	183400.5	5.5	B31.12-IP-19
54(OCC)		9741.3	183400.5	5.3		9774.2	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	1310	0.0	0.0	0.0	1315	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1315	0.0	0.0	0.0	1320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1320	8946.8	137895.1	6.5	1325	6732.9	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		7936.0	137895.1	5.8		6198.6	137895.1	4.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		8947.3	137895.1	6.5		6733.6	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		8946.9	137895.1	6.5		6732.9	137895.1	4.9	B31.12-IP-19
14(SUS)		7930.4	137895.1	5.8		6193.4	137895.1	4.5	B31.12-IP-19
24(EXP)		4495.1	335790.5	1.3		3724.1	338004.3	1.1	B31.12-IP-19
25(EXP)		3616.0	335790.5	1.1		5416.0	338004.3	1.6	B31.12-IP-19
26(EXP)		1319.8	335790.5	0.4		1966.0	338004.3	0.6	B31.12-IP-19
27(EXP)		2976.4	335790.5	0.9		2312.7	338004.3	0.7	B31.12-IP-19
28(EXP)		5786.7	335790.5	1.7		6278.6	338004.3	1.9	B31.12-IP-19
42(OCC)		8718.9	183400.5	4.8		7056.8	183400.5	3.8	B31.12-IP-19
43(OCC)		8700.5	183400.5	4.7		6998.2	183400.5	3.8	B31.12-IP-19
44(OCC)		8032.6	183400.5	4.4		6452.0	183400.5	3.5	B31.12-IP-19
45(OCC)		8033.8	183400.5	4.4		6456.2	183400.5	3.5	B31.12-IP-19
46(OCC)		7930.4	183400.5	4.3		6193.4	183400.5	3.4	B31.12-IP-19
47(OCC)		11140.4	183400.5	6.1		8045.0	183400.5	4.4	B31.12-IP-19
48(OCC)		11159.7	183400.5	6.1		8067.1	183400.5	4.4	B31.12-IP-19
49(OCC)		9677.5	183400.5	5.3		7629.3	183400.5	4.2	B31.12-IP-19
50(OCC)		10440.2	183400.5	5.7		9660.2	183400.5	5.3	B31.12-IP-19
51(OCC)		11316.4	183400.5	6.2		8529.0	183400.5	4.7	B31.12-IP-19
52(OCC)		11094.8	183400.5	6.0		7446.1	183400.5	4.1	B31.12-IP-19
53(OCC)		9902.1	183400.5	5.4		7294.7	183400.5	4.0	B31.12-IP-19
54(OCC)		9875.8	183400.5	5.4		8769.0	183400.5	4.8	B31.12-IP-19
2(Alt-SUS)	1325	6732.9	137895.1	4.9	1328	6047.8	137895.1	4.4	B31.12-IP-19
4(Alt-SUS)		6191.3	137895.1	4.5		5807.6	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		6733.6	137895.1	4.9		6048.9	137895.1	4.4	B31.12-IP-19
8(Alt-SUS)		6732.9	137895.1	4.9		6047.9	137895.1	4.4	B31.12-IP-19
14(SUS)		6190.0	137895.1	4.5		5804.8	137895.1	4.2	B31.12-IP-19
24(EXP)		3724.1	338004.3	1.1		5145.6	338688.9	1.5	B31.12-IP-19
25(EXP)		5416.0	338004.3	1.6		1728.7	338688.9	0.5	B31.12-IP-19
26(EXP)		1966.0	338004.3	0.6		1515.0	338688.9	0.4	B31.12-IP-19
27(EXP)		2312.7	338004.3	0.7		3020.6	338688.9	0.9	B31.12-IP-19
28(EXP)		6278.6	338004.3	1.9		3147.2	338688.9	0.9	B31.12-IP-19
42(OCC)		7053.4	183400.5	3.8		6359.6	183400.5	3.5	B31.12-IP-19
43(OCC)		6994.8	183400.5	3.8		6284.8	183400.5	3.4	B31.12-IP-19
44(OCC)		6448.7	183400.5	3.5		6134.9	183400.5	3.3	B31.12-IP-19
45(OCC)		6452.8	183400.5	3.5		6140.2	183400.5	3.3	B31.12-IP-19
46(OCC)		6190.0	183400.5	3.4		5804.8	183400.5	3.2	B31.12-IP-19
47(OCC)		8041.6	183400.5	4.4		6813.7	183400.5	3.7	B31.12-IP-19
48(OCC)		8063.7	183400.5	4.4		6830.0	183400.5	3.7	B31.12-IP-19
49(OCC)		7625.9	183400.5	4.2		7441.0	183400.5	4.1	B31.12-IP-19
50(OCC)		9656.8	183400.5	5.3		10162.6	183400.5	5.5	B31.12-IP-19
51(OCC)		8525.6	183400.5	4.6		7365.4	183400.5	4.0	B31.12-IP-19
52(OCC)		7442.7	183400.5	4.1		6615.4	183400.5	3.6	B31.12-IP-19
53(OCC)		7291.3	183400.5	4.0		6921.2	183400.5	3.8	B31.12-IP-19
54(OCC)		8765.7	183400.5	4.8		9002.2	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	1328	6794.2	137895.1	4.9	1329	6460.4	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		6387.1	137895.1	4.6		5690.1	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6796.9	137895.1	4.9		6463.4	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		6794.4	137895.1	4.9		6460.6	137895.1	4.7	B31.12-IP-19
14(SUS)		6380.3	137895.1	4.6		5673.4	137895.1	4.1	B31.12-IP-19
24(EXP)		17803.0	337940.9	5.3		23102.0	338274.4	6.8	B31.12-IP-19
25(EXP)		3282.0	337940.9	1.0		8659.8	338274.4	2.6	B31.12-IP-19
26(EXP)		6281.4	337940.9	1.9		7063.1	338274.4	2.1	B31.12-IP-19
27(EXP)		10593.9	337940.9	3.1		14895.0	338274.4	4.4	B31.12-IP-19
28(EXP)		12294.8	337940.9	3.6		23058.1	338274.4	6.8	B31.12-IP-19
42(OCC)		8040.1	183400.5	4.4		6362.4	183400.5	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		7823.0	183400.5	4.3		6192.4	183400.5	3.4	B31.12-IP-19
44(OCC)		7365.6	183400.5	4.0		6590.0	183400.5	3.6	B31.12-IP-19
45(OCC)		7380.9	183400.5	4.0		6603.2	183400.5	3.6	B31.12-IP-19
46(OCC)		6380.3	183400.5	3.5		5673.4	183400.5	3.1	B31.12-IP-19
47(OCC)		8837.9	183400.5	4.8		6689.7	183400.5	3.6	B31.12-IP-19
48(OCC)		8811.6	183400.5	4.8		6616.0	183400.5	3.6	B31.12-IP-19
49(OCC)		10791.6	183400.5	5.9		9616.4	183400.5	5.2	B31.12-IP-19
50(OCC)		18975.9	183400.5	10.3		16633.7	183400.5	9.1	B31.12-IP-19
51(OCC)		10621.1	183400.5	5.8		7722.8	183400.5	4.2	B31.12-IP-19
52(OCC)		7901.2	183400.5	4.3		8560.5	183400.5	4.7	B31.12-IP-19
53(OCC)		9200.7	183400.5	5.0		8278.9	183400.5	4.5	B31.12-IP-19
54(OCC)		15511.0	183400.5	8.5		13664.1	183400.5	7.5	B31.12-IP-19
2(Alt-SUS)	1329	6460.4	137895.1	4.7	1330	5895.2	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		5690.1	137895.1	4.1		6343.0	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		6463.4	137895.1	4.7		5896.5	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		6460.6	137895.1	4.7		5895.3	137895.1	4.3	B31.12-IP-19
14(SUS)		5673.4	137895.1	4.1		6342.5	137895.1	4.6	B31.12-IP-19
24(EXP)		23102.0	338274.4	6.8		19210.4	338394.9	5.7	B31.12-IP-19
25(EXP)		8659.8	338274.4	2.6		9709.5	338394.9	2.9	B31.12-IP-19
26(EXP)		7063.1	338274.4	2.1		5344.4	338394.9	1.6	B31.12-IP-19
27(EXP)		14895.0	338274.4	4.4		12970.8	338394.9	3.8	B31.12-IP-19
28(EXP)		23058.1	338274.4	6.8		22509.1	338394.9	6.7	B31.12-IP-19
42(OCC)		6362.4	183400.5	3.5		6672.3	183400.5	3.6	B31.12-IP-19
43(OCC)		6192.4	183400.5	3.4		6735.4	183400.5	3.7	B31.12-IP-19
44(OCC)		6590.0	183400.5	3.6		6770.4	183400.5	3.7	B31.12-IP-19
45(OCC)		6603.2	183400.5	3.6		6774.9	183400.5	3.7	B31.12-IP-19
46(OCC)		5673.4	183400.5	3.1		6342.5	183400.5	3.5	B31.12-IP-19
47(OCC)		6689.7	183400.5	3.6		7878.3	183400.5	4.3	B31.12-IP-19
48(OCC)		6616.0	183400.5	3.6		7865.2	183400.5	4.3	B31.12-IP-19
49(OCC)		9616.4	183400.5	5.2		8019.3	183400.5	4.4	B31.12-IP-19
50(OCC)		16633.7	183400.5	9.1		10338.5	183400.5	5.6	B31.12-IP-19
51(OCC)		7722.8	183400.5	4.2		7467.5	183400.5	4.1	B31.12-IP-19
52(OCC)		8560.5	183400.5	4.7		8785.1	183400.5	4.8	B31.12-IP-19
53(OCC)		8278.9	183400.5	4.5		7734.2	183400.5	4.2	B31.12-IP-19
54(OCC)		13664.1	183400.5	7.5		9298.3	183400.5	5.1	B31.12-IP-19
2(Alt-SUS)	1330	5780.7	137895.1	4.2	1338	6680.1	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		5786.2	137895.1	4.2		5659.7	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		5781.0	137895.1	4.2		6680.1	137895.1	4.8	B31.12-IP-19
8(Alt-SUS)		5780.7	137895.1	4.2		6680.1	137895.1	4.8	B31.12-IP-19
14(SUS)		5786.0	137895.1	4.2		5659.7	137895.1	4.1	B31.12-IP-19
24(EXP)		6507.1	338951.7	1.9		7262.9	338057.8	2.1	B31.12-IP-19
25(EXP)		5189.3	338951.7	1.5		6561.2	338057.8	1.9	B31.12-IP-19
26(EXP)		2370.1	338951.7	0.7		2906.3	338057.8	0.9	B31.12-IP-19
27(EXP)		4716.9	338951.7	1.4		5446.6	338057.8	1.6	B31.12-IP-19
28(EXP)		9749.8	338951.7	2.9		11960.9	338057.8	3.5	B31.12-IP-19
42(OCC)		5931.2	183400.5	3.2		5982.5	183400.5	3.3	B31.12-IP-19
43(OCC)		5952.3	183400.5	3.2		5968.4	183400.5	3.3	B31.12-IP-19
44(OCC)		5928.5	183400.5	3.2		5731.2	183400.5	3.1	B31.12-IP-19
45(OCC)		5930.0	183400.5	3.2		5732.3	183400.5	3.1	B31.12-IP-19
46(OCC)		5786.0	183400.5	3.2		5659.7	183400.5	3.1	B31.12-IP-19
47(OCC)		6803.1	183400.5	3.7		6942.7	183400.5	3.8	B31.12-IP-19
48(OCC)		6771.5	183400.5	3.7		6871.6	183400.5	3.7	B31.12-IP-19
49(OCC)		6708.3	183400.5	3.7		6596.8	183400.5	3.6	B31.12-IP-19
50(OCC)		7428.2	183400.5	4.1		7250.2	183400.5	4.0	B31.12-IP-19
51(OCC)		6706.4	183400.5	3.7		6956.4	183400.5	3.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		7024.2	183400.5	3.8		6893.1	183400.5	3.8	B31.12-IP-19
53(OCC)		6789.0	183400.5	3.7		6802.3	183400.5	3.7	B31.12-IP-19
54(OCC)		6993.8	183400.5	3.8		6756.1	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	1338	8299.9	137895.1	6.0	1339	7544.1	137895.1	5.5	B31.12-IP-19
4(Alt-SUS)		6007.0	137895.1	4.4		5845.4	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		8299.8	137895.1	6.0		7545.0	137895.1	5.5	B31.12-IP-19
8(Alt-SUS)		8299.9	137895.1	6.0		7544.1	137895.1	5.5	B31.12-IP-19
14(SUS)		6007.0	137895.1	4.4		5837.0	137895.1	4.2	B31.12-IP-19
24(EXP)		21955.8	336437.9	6.5		17362.9	337192.8	5.1	B31.12-IP-19
25(EXP)		17168.6	336437.9	5.1		12282.6	337192.8	3.6	B31.12-IP-19
26(EXP)		7923.3	336437.9	2.4		7285.3	337192.8	2.2	B31.12-IP-19
27(EXP)		15975.6	336437.9	4.7		11667.2	337192.8	3.5	B31.12-IP-19
28(EXP)		33054.1	336437.9	9.8		23026.7	337192.8	6.8	B31.12-IP-19
42(OCC)		6902.7	183400.5	3.8		7054.5	183400.5	3.8	B31.12-IP-19
43(OCC)		6853.7	183400.5	3.7		6860.7	183400.5	3.7	B31.12-IP-19
44(OCC)		6194.6	183400.5	3.4		6828.8	183400.5	3.7	B31.12-IP-19
45(OCC)		6197.9	183400.5	3.4		6842.4	183400.5	3.7	B31.12-IP-19
46(OCC)		6007.0	183400.5	3.3		5837.0	183400.5	3.2	B31.12-IP-19
47(OCC)		8562.7	183400.5	4.7		8098.8	183400.5	4.4	B31.12-IP-19
48(OCC)		8408.8	183400.5	4.6		7946.4	183400.5	4.3	B31.12-IP-19
49(OCC)		7617.3	183400.5	4.2		10093.1	183400.5	5.5	B31.12-IP-19
50(OCC)		9616.4	183400.5	5.2		17370.5	183400.5	9.5	B31.12-IP-19
51(OCC)		8768.7	183400.5	4.8		9383.9	183400.5	5.1	B31.12-IP-19
52(OCC)		8157.9	183400.5	4.4		8156.2	183400.5	4.4	B31.12-IP-19
53(OCC)		7953.6	183400.5	4.3		8890.0	183400.5	4.8	B31.12-IP-19
54(OCC)		8433.9	183400.5	4.6		14241.8	183400.5	7.8	B31.12-IP-19
2(Alt-SUS)	1339	7544.1	137895.1	5.5	1340	6337.5	137895.1	4.6	B31.12-IP-19
4(Alt-SUS)		5845.4	137895.1	4.2		5795.3	137895.1	4.2	B31.12-IP-19
6(Alt-SUS)		7545.0	137895.1	5.5		6351.6	137895.1	4.6	B31.12-IP-19
8(Alt-SUS)		7544.1	137895.1	5.5		6338.5	137895.1	4.6	B31.12-IP-19
14(SUS)		5837.0	137895.1	4.2		5774.7	137895.1	4.2	B31.12-IP-19
24(EXP)		17362.9	337192.8	5.1		21722.6	338386.2	6.4	B31.12-IP-19
25(EXP)		12282.6	337192.8	3.6		9865.0	338386.2	2.9	B31.12-IP-19
26(EXP)		7285.3	337192.8	2.2		8461.2	338386.2	2.5	B31.12-IP-19
27(EXP)		11667.3	337192.8	3.5		13628.0	338386.2	4.0	B31.12-IP-19
28(EXP)		23026.8	337192.8	6.8		22569.1	338386.2	6.7	B31.12-IP-19
42(OCC)		7054.5	183400.5	3.8		6315.7	183400.5	3.4	B31.12-IP-19
43(OCC)		6860.7	183400.5	3.7		6041.6	183400.5	3.3	B31.12-IP-19
44(OCC)		6828.8	183400.5	3.7		7249.9	183400.5	4.0	B31.12-IP-19
45(OCC)		6842.4	183400.5	3.7		7269.3	183400.5	4.0	B31.12-IP-19
46(OCC)		5837.0	183400.5	3.2		5774.7	183400.5	3.1	B31.12-IP-19
47(OCC)		8098.8	183400.5	4.4		7368.9	183400.5	4.0	B31.12-IP-19
48(OCC)		7946.4	183400.5	4.3		7296.9	183400.5	4.0	B31.12-IP-19
49(OCC)		10093.1	183400.5	5.5		11798.9	183400.5	6.4	B31.12-IP-19
50(OCC)		17370.5	183400.5	9.5		22103.8	183400.5	12.1	B31.12-IP-19
51(OCC)		9383.9	183400.5	5.1		7851.6	183400.5	4.3	B31.12-IP-19
52(OCC)		8156.2	183400.5	4.4		11052.4	183400.5	6.0	B31.12-IP-19
53(OCC)		8890.0	183400.5	4.8		9798.9	183400.5	5.3	B31.12-IP-19
54(OCC)		14241.8	183400.5	7.8		17759.0	183400.5	9.7	B31.12-IP-19
2(Alt-SUS)	1340	6139.6	137895.1	4.5	1350	6173.8	137895.1	4.5	B31.12-IP-19
4(Alt-SUS)		5562.7	137895.1	4.0		5586.2	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6143.6	137895.1	4.5		6176.7	137895.1	4.5	B31.12-IP-19
8(Alt-SUS)		6139.9	137895.1	4.5		6174.0	137895.1	4.5	B31.12-IP-19
14(SUS)		5558.0	137895.1	4.0		5582.5	137895.1	4.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		9413.2	338594.2	2.8		9419.3	338561.1	2.8	B31.12-IP-19
25(EXP)		8536.4	338594.2	2.5		8526.1	338561.1	2.5	B31.12-IP-19
26(EXP)		4020.7	338594.2	1.2		4019.0	338561.1	1.2	B31.12-IP-19
27(EXP)		6842.0	338594.2	2.0		6837.1	338561.1	2.0	B31.12-IP-19
28(EXP)		15206.0	338594.2	4.5		15187.1	338561.1	4.5	B31.12-IP-19
42(OCC)		5762.9	183400.5	3.1		5765.8	183400.5	3.1	B31.12-IP-19
43(OCC)		5671.2	183400.5	3.1		5674.1	183400.5	3.1	B31.12-IP-19
44(OCC)		6069.7	183400.5	3.3		6096.5	183400.5	3.3	B31.12-IP-19
45(OCC)		6076.3	183400.5	3.3		6103.1	183400.5	3.3	B31.12-IP-19
46(OCC)		5558.0	183400.5	3.0		5582.5	183400.5	3.0	B31.12-IP-19
47(OCC)		6986.2	183400.5	3.8		7023.3	183400.5	3.8	B31.12-IP-19
48(OCC)		6859.8	183400.5	3.7		6899.6	183400.5	3.8	B31.12-IP-19
49(OCC)		7903.6	183400.5	4.3		7940.1	183400.5	4.3	B31.12-IP-19
50(OCC)		11290.6	183400.5	6.2		11343.8	183400.5	6.2	B31.12-IP-19
51(OCC)		6973.8	183400.5	3.8		6976.8	183400.5	3.8	B31.12-IP-19
52(OCC)		7751.4	183400.5	4.2		7825.3	183400.5	4.3	B31.12-IP-19
53(OCC)		7511.9	183400.5	4.1		7540.3	183400.5	4.1	B31.12-IP-19
54(OCC)		9778.8	183400.5	5.3		9827.2	183400.5	5.4	B31.12-IP-19
2(Alt-SUS)	1350	0.0	0.0	0.0	1360	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1050	0.0	0.0	0.0	1373	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1373	0.0	0.0	0.0	1376	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1376	0.0	0.0	0.0	1380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	1380	8705.1	137895.1	6.3	1390	9949.0	137895.1	7.2	B31.12-IP-19
4(Alt-SUS)		8587.3	137895.1	6.2		9893.5	137895.1	7.2	B31.12-IP-19
6(Alt-SUS)		8824.1	137895.1	6.4		10020.7	137895.1	7.3	B31.12-IP-19
8(Alt-SUS)		8723.1	137895.1	6.3		9959.7	137895.1	7.2	B31.12-IP-19
14(SUS)		9454.7	137895.1	6.9		10377.4	137895.1	7.5	B31.12-IP-19
24(EXP)		34223.4	335283.1	10.2		19185.7	334360.4	5.7	B31.12-IP-19
25(EXP)		7396.6	335283.1	2.2		4180.5	334360.4	1.3	B31.12-IP-19
26(EXP)		5634.2	335283.1	1.7		3020.7	334360.4	0.9	B31.12-IP-19
27(EXP)		18382.6	335283.1	5.5		10237.2	334360.4	3.1	B31.12-IP-19
28(EXP)		25715.4	335283.1	7.7		14384.8	334360.4	4.3	B31.12-IP-19
42(OCC)		10482.1	183400.5	5.7		11046.3	183400.5	6.0	B31.12-IP-19
43(OCC)		10578.1	183400.5	5.8		11098.9	183400.5	6.1	B31.12-IP-19
44(OCC)		14188.3	183400.5	7.7		13021.2	183400.5	7.1	B31.12-IP-19
45(OCC)		14283.0	183400.5	7.8		13086.1	183400.5	7.1	B31.12-IP-19
46(OCC)		11367.3	183400.5	6.2		11420.4	183400.5	6.2	B31.12-IP-19
47(OCC)		20784.6	183400.5	11.3		18250.1	183400.5	10.0	B31.12-IP-19
48(OCC)		23745.2	183400.5	12.9		19781.3	183400.5	10.8	B31.12-IP-19
49(OCC)		31925.7	183400.5	17.4		24957.2	183400.5	13.6	B31.12-IP-19
50(OCC)		28030.9	183400.5	15.3		21906.9	183400.5	11.9	B31.12-IP-19
51(OCC)		19468.0	183400.5	10.6		17529.1	183400.5	9.6	B31.12-IP-19
52(OCC)		21785.9	183400.5	11.9		18763.4	183400.5	10.2	B31.12-IP-19
53(OCC)		30034.4	183400.5	16.4		23680.0	183400.5	12.9	B31.12-IP-19
54(OCC)		26249.4	183400.5	14.3		21338.6	183400.5	11.6	B31.12-IP-19
2(Alt-SUS)	1390	0.0	0.0	0.0	1392	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1392	0.0	0.0	0.0	1396	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1396	0.0	0.0	0.0	1400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	1400	8799.7	137895.1	6.4	1410	8875.7	137895.1	6.4	B31.12-IP-19
4(Alt-SUS)		8809.7	137895.1	6.4		8885.7	137895.1	6.4	B31.12-IP-19
6(Alt-SUS)		8864.2	137895.1	6.4		8906.1	137895.1	6.5	B31.12-IP-19
8(Alt-SUS)		8808.9	137895.1	6.4		8879.8	137895.1	6.4	B31.12-IP-19
14(SUS)		9108.0	137895.1	6.6		9021.2	137895.1	6.5	B31.12-IP-19
24(EXP)		17690.1	335629.8	5.3		20239.9	335716.6	6.0	B31.12-IP-19
25(EXP)		3939.9	335629.8	1.2		4447.1	335716.6	1.3	B31.12-IP-19
26(EXP)		2269.7	335629.8	0.7		2752.6	335716.6	0.8	B31.12-IP-19
27(EXP)		9263.5	335629.8	2.8		10724.9	335716.6	3.2	B31.12-IP-19
28(EXP)		13196.5	335629.8	3.9		15171.2	335716.6	4.5	B31.12-IP-19
42(OCC)		9839.2	183400.5	5.4		9574.0	183400.5	5.2	B31.12-IP-19
43(OCC)		9872.1	183400.5	5.4		9594.8	183400.5	5.2	B31.12-IP-19
44(OCC)		10754.2	183400.5	5.9		9737.9	183400.5	5.3	B31.12-IP-19
45(OCC)		10849.8	183400.5	5.9		9860.6	183400.5	5.4	B31.12-IP-19
46(OCC)		9730.0	183400.5	5.3		9372.3	183400.5	5.1	B31.12-IP-19
47(OCC)		17185.0	183400.5	9.4		13703.2	183400.5	7.5	B31.12-IP-19
48(OCC)		17762.0	183400.5	9.7		14010.5	183400.5	7.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		24032.8	183400.5	13.1		20971.6	183400.5	11.4	B31.12-IP-19
50(OCC)		24130.7	183400.5	13.2		24190.4	183400.5	13.2	B31.12-IP-19
51(OCC)		16519.7	183400.5	9.0		13279.2	183400.5	7.2	B31.12-IP-19
52(OCC)		17477.0	183400.5	9.5		13898.7	183400.5	7.6	B31.12-IP-19
53(OCC)		22918.3	183400.5	12.5		19312.9	183400.5	10.5	B31.12-IP-19
54(OCC)		21338.4	183400.5	11.6		19471.0	183400.5	10.6	B31.12-IP-19
2(Alt-SUS)	1410	8875.7	137895.1	6.4	1418	8975.5	137895.1	6.5	B31.12-IP-19
4(Alt-SUS)		8885.7	137895.1	6.4		8972.7	137895.1	6.5	B31.12-IP-19
6(Alt-SUS)		8906.1	137895.1	6.5		8992.0	137895.1	6.5	B31.12-IP-19
8(Alt-SUS)		8879.8	137895.1	6.4		8977.9	137895.1	6.5	B31.12-IP-19
14(SUS)		9021.2	137895.1	6.5		9059.8	137895.1	6.6	B31.12-IP-19
24(EXP)		20239.9	335716.6	6.0		22198.8	335678.0	6.6	B31.12-IP-19
25(EXP)		4447.1	335716.6	1.3		4831.4	335678.0	1.4	B31.12-IP-19
26(EXP)		2752.6	335716.6	0.8		3187.4	335678.0	0.9	B31.12-IP-19
27(EXP)		10724.9	335716.6	3.2		11856.8	335678.0	3.5	B31.12-IP-19
28(EXP)		15171.2	335716.6	4.5		16687.7	335678.0	5.0	B31.12-IP-19
42(OCC)		9574.0	183400.5	5.2		9484.0	183400.5	5.2	B31.12-IP-19
43(OCC)		9594.8	183400.5	5.2		9499.1	183400.5	5.2	B31.12-IP-19
44(OCC)		9737.9	183400.5	5.3		9311.8	183400.5	5.1	B31.12-IP-19
45(OCC)		9860.6	183400.5	5.4		9457.0	183400.5	5.2	B31.12-IP-19
46(OCC)		9372.3	183400.5	5.1		9305.6	183400.5	5.1	B31.12-IP-19
47(OCC)		13703.2	183400.5	7.5		12382.1	183400.5	6.8	B31.12-IP-19
48(OCC)		14010.5	183400.5	7.6		12519.1	183400.5	6.8	B31.12-IP-19
49(OCC)		20971.6	183400.5	11.4		19619.9	183400.5	10.7	B31.12-IP-19
50(OCC)		24190.4	183400.5	13.2		24364.8	183400.5	13.3	B31.12-IP-19
51(OCC)		13279.2	183400.5	7.2		11985.9	183400.5	6.5	B31.12-IP-19
52(OCC)		13898.7	183400.5	7.6		12531.6	183400.5	6.8	B31.12-IP-19
53(OCC)		19312.9	183400.5	10.5		17687.8	183400.5	9.6	B31.12-IP-19
54(OCC)		19471.0	183400.5	10.6		18719.2	183400.5	10.2	B31.12-IP-19
2(Alt-SUS)	1418	9845.4	137895.1	7.1	1419	8907.8	137895.1	6.5	B31.12-IP-19
4(Alt-SUS)		9837.5	137895.1	7.1		8891.0	137895.1	6.4	B31.12-IP-19
6(Alt-SUS)		9884.0	137895.1	7.2		8912.4	137895.1	6.5	B31.12-IP-19
8(Alt-SUS)		9851.1	137895.1	7.1		8908.7	137895.1	6.5	B31.12-IP-19
14(SUS)		10041.8	137895.1	7.3		8968.5	137895.1	6.5	B31.12-IP-19
24(EXP)		63209.7	334696.1	18.9		66011.3	335769.4	19.7	B31.12-IP-19
25(EXP)		13722.4	334696.1	4.1		14265.3	335769.4	4.2	B31.12-IP-19
26(EXP)		9224.9	334696.1	2.8		9865.0	335769.4	2.9	B31.12-IP-19
27(EXP)		33834.9	334696.1	10.1		35465.6	335769.4	10.6	B31.12-IP-19
28(EXP)		47556.6	334696.1	14.2		49729.9	335769.4	14.8	B31.12-IP-19
42(OCC)		10746.1	183400.5	5.9		9500.9	183400.5	5.2	B31.12-IP-19
43(OCC)		10774.6	183400.5	5.9		9520.4	183400.5	5.2	B31.12-IP-19
44(OCC)		10583.4	183400.5	5.8		9526.8	183400.5	5.2	B31.12-IP-19
45(OCC)		10741.4	183400.5	5.9		9446.7	183400.5	5.2	B31.12-IP-19
46(OCC)		10492.4	183400.5	5.7		9316.6	183400.5	5.1	B31.12-IP-19
47(OCC)		15650.8	183400.5	8.5		12927.9	183400.5	7.0	B31.12-IP-19
48(OCC)		15505.3	183400.5	8.5		13385.3	183400.5	7.3	B31.12-IP-19
49(OCC)		31979.1	183400.5	17.4		28227.8	183400.5	15.4	B31.12-IP-19
50(OCC)		40763.5	183400.5	22.2		38108.9	183400.5	20.8	B31.12-IP-19
51(OCC)		14635.4	183400.5	8.0		12676.6	183400.5	6.9	B31.12-IP-19
52(OCC)		15888.6	183400.5	8.7		13080.4	183400.5	7.1	B31.12-IP-19
53(OCC)		27914.4	183400.5	15.2		22640.5	183400.5	12.3	B31.12-IP-19
54(OCC)		29281.9	183400.5	16.0		26783.8	183400.5	14.6	B31.12-IP-19
2(Alt-SUS)	1419	8907.8	137895.1	6.5	1420	11274.8	137895.1	8.2	B31.12-IP-19
4(Alt-SUS)		8891.0	137895.1	6.4		11309.5	137895.1	8.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		8912.4	137895.1	6.5		11263.4	137895.1	8.2	B31.12-IP-19
8(Alt-SUS)		8908.7	137895.1	6.5		11272.6	137895.1	8.2	B31.12-IP-19
14(SUS)		8968.5	137895.1	6.5		11194.1	137895.1	8.1	B31.12-IP-19
24(EXP)		66011.3	335769.4	19.7		57499.5	333428.3	17.2	B31.12-IP-19
25(EXP)		14265.3	335769.4	4.2		12387.6	333428.3	3.7	B31.12-IP-19
26(EXP)		9865.0	335769.4	2.9		8652.5	333428.3	2.6	B31.12-IP-19
27(EXP)		35465.6	335769.4	10.6		30929.3	333428.3	9.3	B31.12-IP-19
28(EXP)		49729.9	335769.4	14.8		43316.2	333428.3	13.0	B31.12-IP-19
42(OCC)		9500.9	183400.5	5.2		11307.4	183400.5	6.2	B31.12-IP-19
43(OCC)		9520.4	183400.5	5.2		11316.5	183400.5	6.2	B31.12-IP-19
44(OCC)		9526.8	183400.5	5.2		12096.3	183400.5	6.6	B31.12-IP-19
45(OCC)		9446.7	183400.5	5.2		11954.0	183400.5	6.5	B31.12-IP-19
46(OCC)		9316.6	183400.5	5.1		11407.4	183400.5	6.2	B31.12-IP-19
47(OCC)		12927.9	183400.5	7.0		11547.7	183400.5	6.3	B31.12-IP-19
48(OCC)		13385.3	183400.5	7.3		14353.7	183400.5	7.8	B31.12-IP-19
49(OCC)		28227.8	183400.5	15.4		28741.5	183400.5	15.7	B31.12-IP-19
50(OCC)		38108.9	183400.5	20.8		35097.6	183400.5	19.1	B31.12-IP-19
51(OCC)		12676.6	183400.5	6.9		14086.2	183400.5	7.7	B31.12-IP-19
52(OCC)		13080.4	183400.5	7.1		11678.8	183400.5	6.4	B31.12-IP-19
53(OCC)		22640.5	183400.5	12.3		21276.8	183400.5	11.6	B31.12-IP-19
54(OCC)		26783.8	183400.5	14.6		28065.6	183400.5	15.3	B31.12-IP-19
2(Alt-SUS)	1420	9782.3	137895.1	7.1	1425	17454.5	137895.1	12.7	B31.12-IP-19
4(Alt-SUS)		9799.0	137895.1	7.1		17450.5	137895.1	12.7	B31.12-IP-19
6(Alt-SUS)		9777.8	137895.1	7.1		17461.5	137895.1	12.7	B31.12-IP-19
8(Alt-SUS)		9781.4	137895.1	7.1		17455.6	137895.1	12.7	B31.12-IP-19
14(SUS)		9748.5	137895.1	7.1		17491.7	137895.1	12.7	B31.12-IP-19
24(EXP)		20599.6	334938.8	6.2		22692.6	327246.2	6.9	B31.12-IP-19
25(EXP)		4450.7	334938.8	1.3		4861.3	327246.2	1.5	B31.12-IP-19
26(EXP)		3081.6	334938.8	0.9		3564.4	327246.2	1.1	B31.12-IP-19
27(EXP)		11068.6	334938.8	3.3		12263.5	327246.2	3.7	B31.12-IP-19
28(EXP)		15518.9	334938.8	4.6		17124.6	327246.2	5.2	B31.12-IP-19
42(OCC)		9816.6	183400.5	5.4		18769.7	183400.5	10.2	B31.12-IP-19
43(OCC)		9823.7	183400.5	5.4		18785.7	183400.5	10.2	B31.12-IP-19
44(OCC)		10243.5	183400.5	5.6		18133.0	183400.5	9.9	B31.12-IP-19
45(OCC)		10167.5	183400.5	5.5		17679.4	183400.5	9.6	B31.12-IP-19
46(OCC)		9844.4	183400.5	5.4		18009.5	183400.5	9.8	B31.12-IP-19
47(OCC)		9920.5	183400.5	5.4		26432.6	183400.5	14.4	B31.12-IP-19
48(OCC)		11204.2	183400.5	6.1		25284.9	183400.5	13.8	B31.12-IP-19
49(OCC)		17933.0	183400.5	9.8		21713.6	183400.5	11.8	B31.12-IP-19
50(OCC)		20820.8	183400.5	11.4		23338.2	183400.5	12.7	B31.12-IP-19
51(OCC)		11049.5	183400.5	6.0		24725.2	183400.5	13.5	B31.12-IP-19
52(OCC)		10003.9	183400.5	5.5		26513.4	183400.5	14.5	B31.12-IP-19
53(OCC)		14688.3	183400.5	8.0		23360.7	183400.5	12.7	B31.12-IP-19
54(OCC)		17644.9	183400.5	9.6		21851.9	183400.5	11.9	B31.12-IP-19
2(Alt-SUS)	1425	17476.0	137895.1	12.7	1428	9299.1	137895.1	6.7	B31.12-IP-19
4(Alt-SUS)		17469.0	137895.1	12.7		9304.8	137895.1	6.7	B31.12-IP-19
6(Alt-SUS)		17481.5	137895.1	12.7		9291.9	137895.1	6.7	B31.12-IP-19
8(Alt-SUS)		17476.9	137895.1	12.7		9297.8	137895.1	6.7	B31.12-IP-19
14(SUS)		17505.7	137895.1	12.7		9286.2	137895.1	6.7	B31.12-IP-19
24(EXP)		22692.6	327232.1	6.9		15768.8	335433.0	4.7	B31.12-IP-19
25(EXP)		4861.3	327232.1	1.5		3546.2	335433.0	1.1	B31.12-IP-19
26(EXP)		3564.4	327232.1	1.1		2273.7	335433.0	0.7	B31.12-IP-19
27(EXP)		12263.5	327232.1	3.7		8397.7	335433.0	2.5	B31.12-IP-19
28(EXP)		17124.6	327232.1	5.2		11940.9	335433.0	3.6	B31.12-IP-19
42(OCC)		18783.0	183400.5	10.2		9391.8	183400.5	5.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		18799.9	183400.5	10.3		9399.2	183400.5	5.1	B31.12-IP-19
44(OCC)		18073.6	183400.5	9.9		9953.8	183400.5	5.4	B31.12-IP-19
45(OCC)		17657.8	183400.5	9.6		9709.3	183400.5	5.3	B31.12-IP-19
46(OCC)		18023.1	183400.5	9.8		9339.6	183400.5	5.1	B31.12-IP-19
47(OCC)		26457.7	183400.5	14.4		9518.8	183400.5	5.2	B31.12-IP-19
48(OCC)		25233.7	183400.5	13.8		9880.2	183400.5	5.4	B31.12-IP-19
49(OCC)		21433.3	183400.5	11.7		14178.6	183400.5	7.7	B31.12-IP-19
50(OCC)		23345.5	183400.5	12.7		15448.0	183400.5	8.4	B31.12-IP-19
51(OCC)		24712.5	183400.5	13.5		9863.6	183400.5	5.4	B31.12-IP-19
52(OCC)		26518.7	183400.5	14.5		9498.3	183400.5	5.2	B31.12-IP-19
53(OCC)		23068.7	183400.5	12.6		12593.7	183400.5	6.9	B31.12-IP-19
54(OCC)		21737.5	183400.5	11.9		13157.9	183400.5	7.2	B31.12-IP-19
2(Alt-SUS)	1428	9899.8	137895.1	7.2	1429	10459.6	137895.1	7.6	B31.12-IP-19
4(Alt-SUS)		9911.0	137895.1	7.2		10466.7	137895.1	7.6	B31.12-IP-19
6(Alt-SUS)		9885.9	137895.1	7.2		10454.4	137895.1	7.6	B31.12-IP-19
8(Alt-SUS)		9897.3	137895.1	7.2		10458.5	137895.1	7.6	B31.12-IP-19
14(SUS)		9875.4	137895.1	7.2		10455.1	137895.1	7.6	B31.12-IP-19
24(EXP)		44910.9	334826.8	13.4		49878.9	334271.1	14.9	B31.12-IP-19
25(EXP)		10115.1	334826.8	3.0		11094.8	334271.1	3.3	B31.12-IP-19
26(EXP)		6432.7	334826.8	1.9		7301.5	334271.1	2.2	B31.12-IP-19
27(EXP)		23895.7	334826.8	7.1		26639.9	334271.1	8.0	B31.12-IP-19
28(EXP)		34004.2	334826.8	10.2		37730.0	334271.1	11.3	B31.12-IP-19
42(OCC)		10077.6	183400.5	5.5		10608.3	183400.5	5.8	B31.12-IP-19
43(OCC)		10077.5	183400.5	5.5		10653.6	183400.5	5.8	B31.12-IP-19
44(OCC)		11182.0	183400.5	6.1		11725.1	183400.5	6.4	B31.12-IP-19
45(OCC)		10743.1	183400.5	5.9		11128.7	183400.5	6.1	B31.12-IP-19
46(OCC)		9971.9	183400.5	5.4		10585.8	183400.5	5.8	B31.12-IP-19
47(OCC)		10379.7	183400.5	5.7		11710.0	183400.5	6.4	B31.12-IP-19
48(OCC)		10970.0	183400.5	6.0		11915.7	183400.5	6.5	B31.12-IP-19
49(OCC)		20764.2	183400.5	11.3		22198.5	183400.5	12.1	B31.12-IP-19
50(OCC)		23671.2	183400.5	12.9		25316.7	183400.5	13.8	B31.12-IP-19
51(OCC)		10941.2	183400.5	6.0		11907.6	183400.5	6.5	B31.12-IP-19
52(OCC)		10332.6	183400.5	5.6		11690.0	183400.5	6.4	B31.12-IP-19
53(OCC)		17337.0	183400.5	9.5		18576.3	183400.5	10.1	B31.12-IP-19
54(OCC)		18475.6	183400.5	10.1		19945.5	183400.5	10.9	B31.12-IP-19
2(Alt-SUS)	1429	10459.6	137895.1	7.6	1430	9929.8	137895.1	7.2	B31.12-IP-19
4(Alt-SUS)		10466.7	137895.1	7.6		9929.0	137895.1	7.2	B31.12-IP-19
6(Alt-SUS)		10454.4	137895.1	7.6		9936.3	137895.1	7.2	B31.12-IP-19
8(Alt-SUS)		10458.5	137895.1	7.6		9930.8	137895.1	7.2	B31.12-IP-19
14(SUS)		10455.1	137895.1	7.6		9948.9	137895.1	7.2	B31.12-IP-19
24(EXP)		49878.9	334271.1	14.9		47138.5	334788.9	14.1	B31.12-IP-19
25(EXP)		11094.8	334271.1	3.3		10399.2	334788.9	3.1	B31.12-IP-19
26(EXP)		7301.5	334271.1	2.2		7002.0	334788.9	2.1	B31.12-IP-19
27(EXP)		26639.9	334271.1	8.0		25241.3	334788.9	7.5	B31.12-IP-19
28(EXP)		37730.0	334271.1	11.3		35639.2	334788.9	10.6	B31.12-IP-19
42(OCC)		10608.3	183400.5	5.8		10146.8	183400.5	5.5	B31.12-IP-19
43(OCC)		10653.6	183400.5	5.8		10180.9	183400.5	5.6	B31.12-IP-19
44(OCC)		11725.1	183400.5	6.4		11421.3	183400.5	6.2	B31.12-IP-19
45(OCC)		11128.7	183400.5	6.1		10148.4	183400.5	5.5	B31.12-IP-19
46(OCC)		10585.8	183400.5	5.8		10082.6	183400.5	5.5	B31.12-IP-19
47(OCC)		11710.0	183400.5	6.4		11463.4	183400.5	6.3	B31.12-IP-19
48(OCC)		11915.7	183400.5	6.5		11342.6	183400.5	6.2	B31.12-IP-19
49(OCC)		22198.5	183400.5	12.1		21171.5	183400.5	11.5	B31.12-IP-19
50(OCC)		25316.7	183400.5	13.8		24518.7	183400.5	13.4	B31.12-IP-19
51(OCC)		11907.6	183400.5	6.5		11294.6	183400.5	6.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		11690.0	183400.5	6.4		11464.2	183400.5	6.3	B31.12-IP-19
53(OCC)		18576.3	183400.5	10.1		17955.8	183400.5	9.8	B31.12-IP-19
54(OCC)		19945.5	183400.5	10.9		19520.2	183400.5	10.6	B31.12-IP-19
2(Alt-SUS)	1430	9355.0	137895.1	6.8	1435	10429.0	137895.1	7.6	B31.12-IP-19
4(Alt-SUS)		9354.9	137895.1	6.8		10427.1	137895.1	7.6	B31.12-IP-19
6(Alt-SUS)		9357.9	137895.1	6.8		10433.5	137895.1	7.6	B31.12-IP-19
8(Alt-SUS)		9355.5	137895.1	6.8		10429.9	137895.1	7.6	B31.12-IP-19
14(SUS)		9364.9	137895.1	6.8		10409.6	137895.1	7.5	B31.12-IP-19
24(EXP)		15814.2	335373.0	4.7		40643.2	334304.3	12.2	B31.12-IP-19
25(EXP)		3502.5	335373.0	1.0		9891.3	334304.3	3.0	B31.12-IP-19
26(EXP)		2344.0	335373.0	0.7		4993.6	334304.3	1.5	B31.12-IP-19
27(EXP)		8461.8	335373.0	2.5		21088.2	334304.3	6.3	B31.12-IP-19
28(EXP)		11960.7	335373.0	3.6		30978.1	334304.3	9.3	B31.12-IP-19
42(OCC)		9506.8	183400.5	5.2		11229.9	183400.5	6.1	B31.12-IP-19
43(OCC)		9530.8	183400.5	5.2		11300.9	183400.5	6.2	B31.12-IP-19
44(OCC)		10144.9	183400.5	5.5		15199.9	183400.5	8.3	B31.12-IP-19
45(OCC)		9504.6	183400.5	5.2		11836.2	183400.5	6.5	B31.12-IP-19
46(OCC)		9440.9	183400.5	5.1		10478.9	183400.5	5.7	B31.12-IP-19
47(OCC)		10126.8	183400.5	5.5		11238.3	183400.5	6.1	B31.12-IP-19
48(OCC)		10306.8	183400.5	5.6		13060.0	183400.5	7.1	B31.12-IP-19
49(OCC)		14508.3	183400.5	7.9		21547.7	183400.5	11.7	B31.12-IP-19
50(OCC)		15844.8	183400.5	8.6		20456.0	183400.5	11.2	B31.12-IP-19
51(OCC)		10285.3	183400.5	5.6		12806.7	183400.5	7.0	B31.12-IP-19
52(OCC)		10131.7	183400.5	5.5		11115.6	183400.5	6.1	B31.12-IP-19
53(OCC)		12918.8	183400.5	7.0		18797.5	183400.5	10.2	B31.12-IP-19
54(OCC)		13687.3	183400.5	7.5		16622.6	183400.5	9.1	B31.12-IP-19
2(Alt-SUS)	1435	10415.6	137895.1	7.6	1438	9566.2	137895.1	6.9	B31.12-IP-19
4(Alt-SUS)		10413.9	137895.1	7.6		9567.5	137895.1	6.9	B31.12-IP-19
6(Alt-SUS)		10419.9	137895.1	7.6		9565.4	137895.1	6.9	B31.12-IP-19
8(Alt-SUS)		10416.4	137895.1	7.6		9566.1	137895.1	6.9	B31.12-IP-19
14(SUS)		10393.6	137895.1	7.5		9554.5	137895.1	6.9	B31.12-IP-19
24(EXP)		40643.2	334317.9	12.2		5405.5	335170.4	1.6	B31.12-IP-19
25(EXP)		9891.3	334317.9	3.0		1242.6	335170.4	0.4	B31.12-IP-19
26(EXP)		4993.6	334317.9	1.5		767.5	335170.4	0.2	B31.12-IP-19
27(EXP)		21088.2	334317.9	6.3		2865.2	335170.4	0.9	B31.12-IP-19
28(EXP)		30978.1	334317.9	9.3		4097.6	335170.4	1.2	B31.12-IP-19
42(OCC)		11235.7	183400.5	6.1		10393.6	183400.5	5.7	B31.12-IP-19
43(OCC)		11305.1	183400.5	6.2		10402.8	183400.5	5.7	B31.12-IP-19
44(OCC)		15209.7	183400.5	8.3		10405.7	183400.5	5.7	B31.12-IP-19
45(OCC)		11818.7	183400.5	6.4		9876.3	183400.5	5.4	B31.12-IP-19
46(OCC)		10456.7	183400.5	5.7		9608.3	183400.5	5.2	B31.12-IP-19
47(OCC)		11224.5	183400.5	6.1		10261.6	183400.5	5.6	B31.12-IP-19
48(OCC)		13029.1	183400.5	7.1		11312.0	183400.5	6.2	B31.12-IP-19
49(OCC)		21427.1	183400.5	11.7		14004.7	183400.5	7.6	B31.12-IP-19
50(OCC)		20374.0	183400.5	11.1		15579.7	183400.5	8.5	B31.12-IP-19
51(OCC)		12770.3	183400.5	7.0		11262.4	183400.5	6.1	B31.12-IP-19
52(OCC)		11101.4	183400.5	6.1		10274.5	183400.5	5.6	B31.12-IP-19
53(OCC)		18698.3	183400.5	10.2		12770.1	183400.5	7.0	B31.12-IP-19
54(OCC)		16577.1	183400.5	9.0		13653.2	183400.5	7.4	B31.12-IP-19
2(Alt-SUS)	1438	10559.5	137895.1	7.7	1439	10992.5	137895.1	8.0	B31.12-IP-19
4(Alt-SUS)		10561.6	137895.1	7.7		10999.0	137895.1	8.0	B31.12-IP-19
6(Alt-SUS)		10558.5	137895.1	7.7		10985.4	137895.1	8.0	B31.12-IP-19
8(Alt-SUS)		10559.4	137895.1	7.7		10991.3	137895.1	8.0	B31.12-IP-19
14(SUS)		10536.9	137895.1	7.6		10963.4	137895.1	8.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		15864.6	334176.3	4.7		23938.2	333738.8	7.2	B31.12-IP-19
25(EXP)		3519.0	334176.3	1.1		5886.3	333738.8	1.8	B31.12-IP-19
26(EXP)		2325.6	334176.3	0.7		2949.0	333738.8	0.9	B31.12-IP-19
27(EXP)		8478.4	334176.3	2.5		12395.9	333738.8	3.7	B31.12-IP-19
28(EXP)		11992.2	334176.3	3.6		18248.1	333738.8	5.5	B31.12-IP-19
42(OCC)		12232.3	183400.5	6.7		12289.2	183400.5	6.7	B31.12-IP-19
43(OCC)		12247.7	183400.5	6.7		12251.7	183400.5	6.7	B31.12-IP-19
44(OCC)		11997.7	183400.5	6.5		12566.1	183400.5	6.9	B31.12-IP-19
45(OCC)		11170.2	183400.5	6.1		11096.1	183400.5	6.1	B31.12-IP-19
46(OCC)		10611.6	183400.5	5.8		11055.4	183400.5	6.0	B31.12-IP-19
47(OCC)		11845.5	183400.5	6.5		12226.6	183400.5	6.7	B31.12-IP-19
48(OCC)		13920.6	183400.5	7.6		14032.9	183400.5	7.7	B31.12-IP-19
49(OCC)		19282.9	183400.5	10.5		15455.3	183400.5	8.4	B31.12-IP-19
50(OCC)		23204.3	183400.5	12.7		19719.3	183400.5	10.8	B31.12-IP-19
51(OCC)		13812.5	183400.5	7.5		13912.7	183400.5	7.6	B31.12-IP-19
52(OCC)		11869.1	183400.5	6.5		12174.0	183400.5	6.6	B31.12-IP-19
53(OCC)		17340.4	183400.5	9.5		14049.2	183400.5	7.7	B31.12-IP-19
54(OCC)		18792.8	183400.5	10.2		17251.9	183400.5	9.4	B31.12-IP-19
2(Alt-SUS)	1439	10992.5	137895.1	8.0	1440	10814.7	137895.1	7.8	B31.12-IP-19
4(Alt-SUS)		10999.0	137895.1	8.0		10821.5	137895.1	7.8	B31.12-IP-19
6(Alt-SUS)		10985.4	137895.1	8.0		10807.0	137895.1	7.8	B31.12-IP-19
8(Alt-SUS)		10991.3	137895.1	8.0		10813.4	137895.1	7.8	B31.12-IP-19
14(SUS)		10963.4	137895.1	8.0		10787.0	137895.1	7.8	B31.12-IP-19
24(EXP)		23938.1	333738.8	7.2		35702.3	333916.3	10.7	B31.12-IP-19
25(EXP)		5886.3	333738.8	1.8		8708.4	333916.3	2.6	B31.12-IP-19
26(EXP)		2949.0	333738.8	0.9		4424.5	333916.3	1.3	B31.12-IP-19
27(EXP)		12395.9	333738.8	3.7		18525.2	333916.3	5.5	B31.12-IP-19
28(EXP)		18248.1	333738.8	5.5		27204.0	333916.3	8.1	B31.12-IP-19
42(OCC)		12289.2	183400.5	6.7		11637.5	183400.5	6.3	B31.12-IP-19
43(OCC)		12251.7	183400.5	6.7		11604.4	183400.5	6.3	B31.12-IP-19
44(OCC)		12566.1	183400.5	6.9		13508.1	183400.5	7.4	B31.12-IP-19
45(OCC)		11096.1	183400.5	6.1		11254.4	183400.5	6.1	B31.12-IP-19
46(OCC)		11055.4	183400.5	6.0		10871.3	183400.5	5.9	B31.12-IP-19
47(OCC)		12226.6	183400.5	6.7		11949.7	183400.5	6.5	B31.12-IP-19
48(OCC)		14033.0	183400.5	7.7		13082.8	183400.5	7.1	B31.12-IP-19
49(OCC)		15455.3	183400.5	8.4		13094.1	183400.5	7.1	B31.12-IP-19
50(OCC)		19719.3	183400.5	10.8		17876.8	183400.5	9.7	B31.12-IP-19
51(OCC)		13912.7	183400.5	7.6		12918.1	183400.5	7.0	B31.12-IP-19
52(OCC)		12174.1	183400.5	6.6		11851.5	183400.5	6.5	B31.12-IP-19
53(OCC)		14049.3	183400.5	7.7		14220.1	183400.5	7.8	B31.12-IP-19
54(OCC)		17251.9	183400.5	9.4		15096.8	183400.5	8.2	B31.12-IP-19
2(Alt-SUS)	1440	9740.8	137895.1	7.1	1448	9613.1	137895.1	7.0	B31.12-IP-19
4(Alt-SUS)		9742.0	137895.1	7.1		9609.5	137895.1	7.0	B31.12-IP-19
6(Alt-SUS)		9740.2	137895.1	7.1		9619.6	137895.1	7.0	B31.12-IP-19
8(Alt-SUS)		9740.8	137895.1	7.1		9614.4	137895.1	7.0	B31.12-IP-19
14(SUS)		9723.1	137895.1	7.1		9590.6	137895.1	7.0	B31.12-IP-19
24(EXP)		18154.1	334995.9	5.4		24713.7	335118.3	7.4	B31.12-IP-19
25(EXP)		4389.0	334995.9	1.3		5910.9	335118.3	1.8	B31.12-IP-19
26(EXP)		2272.4	334995.9	0.7		3150.4	335118.3	0.9	B31.12-IP-19
27(EXP)		9442.4	334995.9	2.8		12896.6	335118.3	3.8	B31.12-IP-19
28(EXP)		13824.4	334995.9	4.1		18803.2	335118.3	5.6	B31.12-IP-19
42(OCC)		10378.6	183400.5	5.7		10196.0	183400.5	5.6	B31.12-IP-19
43(OCC)		10411.3	183400.5	5.7		10243.0	183400.5	5.6	B31.12-IP-19
44(OCC)		11237.9	183400.5	6.1		11739.4	183400.5	6.4	B31.12-IP-19
45(OCC)		9990.9	183400.5	5.4		10027.3	183400.5	5.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		9767.4	183400.5	5.3		9629.9	183400.5	5.3	B31.12-IP-19
47(OCC)		10393.4	183400.5	5.7		10246.7	183400.5	5.6	B31.12-IP-19
48(OCC)		11319.2	183400.5	6.2		11237.5	183400.5	6.1	B31.12-IP-19
49(OCC)		11523.4	183400.5	6.3		12591.3	183400.5	6.9	B31.12-IP-19
50(OCC)		14025.3	183400.5	7.6		13999.9	183400.5	7.6	B31.12-IP-19
51(OCC)		11142.3	183400.5	6.1		10984.5	183400.5	6.0	B31.12-IP-19
52(OCC)		10374.8	183400.5	5.7		10215.7	183400.5	5.6	B31.12-IP-19
53(OCC)		11746.8	183400.5	6.4		12562.6	183400.5	6.8	B31.12-IP-19
54(OCC)		12713.7	183400.5	6.9		12499.8	183400.5	6.8	B31.12-IP-19
2(Alt-SUS)	1448	10737.9	137895.1	7.8	1449	10488.3	137895.1	7.6	B31.12-IP-19
4(Alt-SUS)		10728.9	137895.1	7.8		10473.5	137895.1	7.6	B31.12-IP-19
6(Alt-SUS)		10753.2	137895.1	7.8		10511.8	137895.1	7.6	B31.12-IP-19
8(Alt-SUS)		10741.0	137895.1	7.8		10492.9	137895.1	7.6	B31.12-IP-19
14(SUS)		10687.2	137895.1	7.8		10433.3	137895.1	7.6	B31.12-IP-19
24(EXP)		63768.9	333984.6	19.1		76989.7	334226.0	23.0	B31.12-IP-19
25(EXP)		15133.7	333984.6	4.5		18322.3	334226.0	5.5	B31.12-IP-19
26(EXP)		8250.9	333984.6	2.5		9902.2	334226.0	3.0	B31.12-IP-19
27(EXP)		33359.6	333984.6	10.0		40238.6	334226.0	12.0	B31.12-IP-19
28(EXP)		48483.3	333984.6	14.5		58553.0	334226.0	17.5	B31.12-IP-19
42(OCC)		11315.9	183400.5	6.2		11147.1	183400.5	6.1	B31.12-IP-19
43(OCC)		11346.1	183400.5	6.2		11252.6	183400.5	6.1	B31.12-IP-19
44(OCC)		14993.2	183400.5	8.2		15599.6	183400.5	8.5	B31.12-IP-19
45(OCC)		11586.3	183400.5	6.3		11500.1	183400.5	6.3	B31.12-IP-19
46(OCC)		10768.6	183400.5	5.9		10505.3	183400.5	5.7	B31.12-IP-19
47(OCC)		11882.1	183400.5	6.5		11695.4	183400.5	6.4	B31.12-IP-19
48(OCC)		13376.7	183400.5	7.3		13230.8	183400.5	7.2	B31.12-IP-19
49(OCC)		16375.9	183400.5	8.9		17618.5	183400.5	9.6	B31.12-IP-19
50(OCC)		17717.0	183400.5	9.7		18600.0	183400.5	10.1	B31.12-IP-19
51(OCC)		12908.9	183400.5	7.0		12627.0	183400.5	6.9	B31.12-IP-19
52(OCC)		11743.9	183400.5	6.4		11558.1	183400.5	6.3	B31.12-IP-19
53(OCC)		16792.9	183400.5	9.2		17565.8	183400.5	9.6	B31.12-IP-19
54(OCC)		14358.2	183400.5	7.8		14994.3	183400.5	8.2	B31.12-IP-19
2(Alt-SUS)	1449	10488.3	137895.1	7.6	1450	10264.3	137895.1	7.4	B31.12-IP-19
4(Alt-SUS)		10473.5	137895.1	7.6		10244.5	137895.1	7.4	B31.12-IP-19
6(Alt-SUS)		10511.8	137895.1	7.6		10294.9	137895.1	7.5	B31.12-IP-19
8(Alt-SUS)		10492.9	137895.1	7.6		10270.3	137895.1	7.4	B31.12-IP-19
14(SUS)		10433.3	137895.1	7.6		10205.7	137895.1	7.4	B31.12-IP-19
24(EXP)		76989.7	334226.0	23.0		82713.6	334443.0	24.7	B31.12-IP-19
25(EXP)		18322.3	334226.0	5.5		19626.4	334443.0	5.9	B31.12-IP-19
26(EXP)		9902.2	334226.0	3.0		10699.5	334443.0	3.2	B31.12-IP-19
27(EXP)		40238.6	334226.0	12.0		43271.4	334443.0	12.9	B31.12-IP-19
28(EXP)		58553.0	334226.0	17.5		62891.7	334443.0	18.8	B31.12-IP-19
42(OCC)		11147.1	183400.5	6.1		11233.8	183400.5	6.1	B31.12-IP-19
43(OCC)		11252.6	183400.5	6.1		11361.8	183400.5	6.2	B31.12-IP-19
44(OCC)		15599.6	183400.5	8.5		15584.4	183400.5	8.5	B31.12-IP-19
45(OCC)		11500.1	183400.5	6.3		11297.5	183400.5	6.2	B31.12-IP-19
46(OCC)		10505.3	183400.5	5.7		10270.1	183400.5	5.6	B31.12-IP-19
47(OCC)		11695.4	183400.5	6.4		11575.0	183400.5	6.3	B31.12-IP-19
48(OCC)		13230.8	183400.5	7.2		13195.0	183400.5	7.2	B31.12-IP-19
49(OCC)		17618.5	183400.5	9.6		17885.6	183400.5	9.8	B31.12-IP-19
50(OCC)		18600.0	183400.5	10.1		18719.2	183400.5	10.2	B31.12-IP-19
51(OCC)		12627.0	183400.5	6.9		12564.0	183400.5	6.9	B31.12-IP-19
52(OCC)		11558.1	183400.5	6.3		11479.7	183400.5	6.3	B31.12-IP-19
53(OCC)		17565.8	183400.5	9.6		17575.9	183400.5	9.6	B31.12-IP-19
54(OCC)		14994.3	183400.5	8.2		15302.6	183400.5	8.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	1450	9362.1	137895.1	6.8	1455	10634.5	137895.1	7.7	B31.12-IP-19
4(Alt-SUS)		9352.9	137895.1	6.8		10633.2	137895.1	7.7	B31.12-IP-19
6(Alt-SUS)		9376.5	137895.1	6.8		10635.8	137895.1	7.7	B31.12-IP-19
8(Alt-SUS)		9365.0	137895.1	6.8		10634.7	137895.1	7.7	B31.12-IP-19
14(SUS)		9335.4	137895.1	6.8		10642.8	137895.1	7.7	B31.12-IP-19
24(EXP)		28805.3	335361.3	8.6		26211.4	334095.0	7.8	B31.12-IP-19
25(EXP)		6842.3	335361.3	2.0		5528.1	334095.0	1.7	B31.12-IP-19
26(EXP)		3720.9	335361.3	1.1		4159.7	334095.0	1.2	B31.12-IP-19
27(EXP)		15064.9	335361.3	4.5		14212.6	334095.0	4.3	B31.12-IP-19
28(EXP)		21904.2	335361.3	6.5		19739.9	334095.0	5.9	B31.12-IP-19
42(OCC)		9993.8	183400.5	5.4		11208.8	183400.5	6.1	B31.12-IP-19
43(OCC)		10059.8	183400.5	5.5		11222.2	183400.5	6.1	B31.12-IP-19
44(OCC)		11928.4	183400.5	6.5		12646.8	183400.5	6.9	B31.12-IP-19
45(OCC)		9858.5	183400.5	5.4		10873.6	183400.5	5.9	B31.12-IP-19
46(OCC)		9370.4	183400.5	5.1		10677.0	183400.5	5.8	B31.12-IP-19
47(OCC)		10050.4	183400.5	5.5		11991.5	183400.5	6.5	B31.12-IP-19
48(OCC)		11013.2	183400.5	6.0		11883.7	183400.5	6.5	B31.12-IP-19
49(OCC)		13157.4	183400.5	7.2		12315.3	183400.5	6.7	B31.12-IP-19
50(OCC)		13760.1	183400.5	7.5		12204.5	183400.5	6.7	B31.12-IP-19
51(OCC)		10725.9	183400.5	5.8		11869.8	183400.5	6.5	B31.12-IP-19
52(OCC)		10020.9	183400.5	5.5		11998.2	183400.5	6.5	B31.12-IP-19
53(OCC)		12854.2	183400.5	7.0		13541.1	183400.5	7.4	B31.12-IP-19
54(OCC)		12195.6	183400.5	6.6		11987.8	183400.5	6.5	B31.12-IP-19
2(Alt-SUS)	1455	10643.3	137895.1	7.7	1458	9224.5	137895.1	6.7	B31.12-IP-19
4(Alt-SUS)		10644.1	137895.1	7.7		9223.6	137895.1	6.7	B31.12-IP-19
6(Alt-SUS)		10641.5	137895.1	7.7		9225.2	137895.1	6.7	B31.12-IP-19
8(Alt-SUS)		10642.9	137895.1	7.7		9224.6	137895.1	6.7	B31.12-IP-19
14(SUS)		10654.5	137895.1	7.7		9230.5	137895.1	6.7	B31.12-IP-19
24(EXP)		26211.4	334083.3	7.8		7053.7	335507.3	2.1	B31.12-IP-19
25(EXP)		5528.1	334083.3	1.7		1558.0	335507.3	0.5	B31.12-IP-19
26(EXP)		4159.7	334083.3	1.2		1038.9	335507.3	0.3	B31.12-IP-19
27(EXP)		14212.6	334083.3	4.3		3773.2	335507.3	1.1	B31.12-IP-19
28(EXP)		19739.9	334083.3	5.9		5330.4	335507.3	1.6	B31.12-IP-19
42(OCC)		11214.6	183400.5	6.1		10103.2	183400.5	5.5	B31.12-IP-19
43(OCC)		11219.0	183400.5	6.1		10104.1	183400.5	5.5	B31.12-IP-19
44(OCC)		12662.2	183400.5	6.9		13827.0	183400.5	7.5	B31.12-IP-19
45(OCC)		10875.9	183400.5	5.9		9516.6	183400.5	5.2	B31.12-IP-19
46(OCC)		10688.2	183400.5	5.8		9259.6	183400.5	5.0	B31.12-IP-19
47(OCC)		11957.6	183400.5	6.5		10192.6	183400.5	5.6	B31.12-IP-19
48(OCC)		11846.5	183400.5	6.5		10481.7	183400.5	5.7	B31.12-IP-19
49(OCC)		12231.3	183400.5	6.7		14330.3	183400.5	7.8	B31.12-IP-19
50(OCC)		12118.0	183400.5	6.6		10140.8	183400.5	5.5	B31.12-IP-19
51(OCC)		11851.5	183400.5	6.5		10454.3	183400.5	5.7	B31.12-IP-19
52(OCC)		11976.0	183400.5	6.5		10195.0	183400.5	5.6	B31.12-IP-19
53(OCC)		13588.7	183400.5	7.4		13774.6	183400.5	7.5	B31.12-IP-19
54(OCC)		12018.5	183400.5	6.6		10580.4	183400.5	5.8	B31.12-IP-19
2(Alt-SUS)	1458	9963.3	137895.1	7.2	1459	10405.6	137895.1	7.5	B31.12-IP-19
4(Alt-SUS)		9961.2	137895.1	7.2		10410.4	137895.1	7.5	B31.12-IP-19
6(Alt-SUS)		9965.1	137895.1	7.2		10399.8	137895.1	7.5	B31.12-IP-19
8(Alt-SUS)		9963.6	137895.1	7.2		10404.5	137895.1	7.5	B31.12-IP-19
14(SUS)		9977.4	137895.1	7.2		10396.8	137895.1	7.5	B31.12-IP-19
24(EXP)		11685.6	334760.4	3.5		74099.7	334327.4	22.2	B31.12-IP-19
25(EXP)		2517.7	334760.4	0.8		15694.9	334327.4	4.7	B31.12-IP-19
26(EXP)		1790.8	334760.4	0.5		11663.1	334327.4	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		6296.6	334760.4	1.9		40123.7	334327.4	12.0	B31.12-IP-19
28(EXP)		8812.4	334760.4	2.6		55817.6	334327.4	16.7	B31.12-IP-19
42(OCC)		11487.3	183400.5	6.3		11846.6	183400.5	6.5	B31.12-IP-19
43(OCC)		11482.8	183400.5	6.3		11842.5	183400.5	6.5	B31.12-IP-19
44(OCC)		19982.1	183400.5	10.9		30677.7	183400.5	16.7	B31.12-IP-19
45(OCC)		10524.3	183400.5	5.7		11179.5	183400.5	6.1	B31.12-IP-19
46(OCC)		10026.0	183400.5	5.5		10443.8	183400.5	5.7	B31.12-IP-19
47(OCC)		11810.0	183400.5	6.4		12217.6	183400.5	6.7	B31.12-IP-19
48(OCC)		11796.1	183400.5	6.4		12005.6	183400.5	6.5	B31.12-IP-19
49(OCC)		20991.6	183400.5	11.4		30342.0	183400.5	16.5	B31.12-IP-19
50(OCC)		11238.4	183400.5	6.1		14407.6	183400.5	7.9	B31.12-IP-19
51(OCC)		11801.2	183400.5	6.4		12020.5	183400.5	6.6	B31.12-IP-19
52(OCC)		11811.6	183400.5	6.4		12213.1	183400.5	6.7	B31.12-IP-19
53(OCC)		19829.3	183400.5	10.8		32438.6	183400.5	17.7	B31.12-IP-19
54(OCC)		12169.2	183400.5	6.6		12602.8	183400.5	6.9	B31.12-IP-19
2(Alt-SUS)	1459	10405.6	137895.1	7.5	1460	11602.0	137895.1	8.4	B31.12-IP-19
4(Alt-SUS)		10410.4	137895.1	7.5		11607.9	137895.1	8.4	B31.12-IP-19
6(Alt-SUS)		10399.8	137895.1	7.5		11594.7	137895.1	8.4	B31.12-IP-19
8(Alt-SUS)		10404.5	137895.1	7.5		11600.7	137895.1	8.4	B31.12-IP-19
14(SUS)		10396.8	137895.1	7.5		11596.0	137895.1	8.4	B31.12-IP-19
24(EXP)		74099.7	334327.4	22.2		91110.5	333129.9	27.3	B31.12-IP-19
25(EXP)		15694.9	334327.4	4.7		19296.0	333129.9	5.8	B31.12-IP-19
26(EXP)		11663.1	334327.4	3.5		14344.7	333129.9	4.3	B31.12-IP-19
27(EXP)		40123.7	334327.4	12.0		49336.8	333129.9	14.8	B31.12-IP-19
28(EXP)		55817.6	334327.4	16.7		68631.7	333129.9	20.6	B31.12-IP-19
42(OCC)		11846.6	183400.5	6.5		12822.9	183400.5	7.0	B31.12-IP-19
43(OCC)		11842.5	183400.5	6.5		12826.8	183400.5	7.0	B31.12-IP-19
44(OCC)		30677.7	183400.5	16.7		33612.8	183400.5	18.3	B31.12-IP-19
45(OCC)		11179.5	183400.5	6.1		12064.0	183400.5	6.6	B31.12-IP-19
46(OCC)		10443.8	183400.5	5.7		11645.3	183400.5	6.3	B31.12-IP-19
47(OCC)		12217.6	183400.5	6.7		13517.7	183400.5	7.4	B31.12-IP-19
48(OCC)		12005.6	183400.5	6.5		13523.9	183400.5	7.4	B31.12-IP-19
49(OCC)		30342.0	183400.5	16.5		32747.2	183400.5	17.9	B31.12-IP-19
50(OCC)		14407.6	183400.5	7.9		16098.5	183400.5	8.8	B31.12-IP-19
51(OCC)		12020.5	183400.5	6.6		13516.0	183400.5	7.4	B31.12-IP-19
52(OCC)		12213.1	183400.5	6.7		13530.3	183400.5	7.4	B31.12-IP-19
53(OCC)		32438.6	183400.5	17.7		36019.1	183400.5	19.6	B31.12-IP-19
54(OCC)		12602.8	183400.5	6.9		13614.8	183400.5	7.4	B31.12-IP-19
2(Alt-SUS)	1460	10127.1	137895.1	7.3	1470	9781.1	137895.1	7.1	B31.12-IP-19
4(Alt-SUS)		10129.8	137895.1	7.3		9777.0	137895.1	7.1	B31.12-IP-19
6(Alt-SUS)		10123.7	137895.1	7.3		9787.6	137895.1	7.1	B31.12-IP-19
8(Alt-SUS)		10126.5	137895.1	7.3		9782.4	137895.1	7.1	B31.12-IP-19
14(SUS)		10124.2	137895.1	7.3		9766.8	137895.1	7.1	B31.12-IP-19
24(EXP)		30228.3	334608.0	9.0		78352.5	334950.2	23.4	B31.12-IP-19
25(EXP)		6405.4	334608.0	1.9		16519.6	334950.2	4.9	B31.12-IP-19
26(EXP)		4755.7	334608.0	1.4		12426.5	334950.2	3.7	B31.12-IP-19
27(EXP)		16366.4	334608.0	4.9		42484.4	334950.2	12.7	B31.12-IP-19
28(EXP)		22771.3	334608.0	6.8		59004.0	334950.2	17.6	B31.12-IP-19
42(OCC)		11330.6	183400.5	6.2		11083.2	183400.5	6.0	B31.12-IP-19
43(OCC)		11329.3	183400.5	6.2		11078.4	183400.5	6.0	B31.12-IP-19
44(OCC)		20473.8	183400.5	11.2		24909.2	183400.5	13.6	B31.12-IP-19
45(OCC)		10386.9	183400.5	5.7		11390.3	183400.5	6.2	B31.12-IP-19
46(OCC)		10149.5	183400.5	5.5		9789.1	183400.5	5.3	B31.12-IP-19
47(OCC)		11593.1	183400.5	6.3		11401.1	183400.5	6.2	B31.12-IP-19
48(OCC)		11607.5	183400.5	6.3		11278.1	183400.5	6.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		20037.7	183400.5	10.9		25738.3	183400.5	14.0	B31.12-IP-19
50(OCC)		12319.1	183400.5	6.7		10359.7	183400.5	5.6	B31.12-IP-19
51(OCC)		11609.6	183400.5	6.3		11226.8	183400.5	6.1	B31.12-IP-19
52(OCC)		11595.3	183400.5	6.3		11381.1	183400.5	6.2	B31.12-IP-19
53(OCC)		21634.4	183400.5	11.8		25311.7	183400.5	13.8	B31.12-IP-19
54(OCC)		11160.8	183400.5	6.1		10273.3	183400.5	5.6	B31.12-IP-19
2(Alt-SUS)	1470	9781.1	137895.1	7.1	1480	9768.9	137895.1	7.1	B31.12-IP-19
4(Alt-SUS)		9777.0	137895.1	7.1		9764.5	137895.1	7.1	B31.12-IP-19
6(Alt-SUS)		9787.6	137895.1	7.1		9775.9	137895.1	7.1	B31.12-IP-19
8(Alt-SUS)		9782.4	137895.1	7.1		9770.3	137895.1	7.1	B31.12-IP-19
14(SUS)		9766.8	137895.1	7.1		9754.1	137895.1	7.1	B31.12-IP-19
24(EXP)		78352.5	334950.2	23.4		82645.6	334962.0	24.7	B31.12-IP-19
25(EXP)		16519.6	334950.2	4.9		17425.3	334962.0	5.2	B31.12-IP-19
26(EXP)		12426.5	334950.2	3.7		13106.7	334962.0	3.9	B31.12-IP-19
27(EXP)		42484.4	334950.2	12.7		44811.8	334962.0	13.4	B31.12-IP-19
28(EXP)		59004.0	334950.2	17.6		62237.1	334962.0	18.6	B31.12-IP-19
42(OCC)		11083.2	183400.5	6.0		10998.3	183400.5	6.0	B31.12-IP-19
43(OCC)		11078.4	183400.5	6.0		10992.2	183400.5	6.0	B31.12-IP-19
44(OCC)		24909.2	183400.5	13.6		25563.8	183400.5	13.9	B31.12-IP-19
45(OCC)		11390.3	183400.5	6.2		11684.0	183400.5	6.4	B31.12-IP-19
46(OCC)		9789.1	183400.5	5.3		9776.6	183400.5	5.3	B31.12-IP-19
47(OCC)		11401.1	183400.5	6.2		11318.5	183400.5	6.2	B31.12-IP-19
48(OCC)		11278.1	183400.5	6.1		11231.5	183400.5	6.1	B31.12-IP-19
49(OCC)		25738.3	183400.5	14.0		26396.1	183400.5	14.4	B31.12-IP-19
50(OCC)		10359.7	183400.5	5.6		10559.3	183400.5	5.8	B31.12-IP-19
51(OCC)		11226.8	183400.5	6.1		11173.8	183400.5	6.1	B31.12-IP-19
52(OCC)		11381.1	183400.5	6.2		11295.9	183400.5	6.2	B31.12-IP-19
53(OCC)		25311.7	183400.5	13.8		25993.0	183400.5	14.2	B31.12-IP-19
54(OCC)		10273.3	183400.5	5.6		10082.8	183400.5	5.5	B31.12-IP-19
2(Alt-SUS)	1480	9768.9	137895.1	7.1	1490	10652.0	137895.1	7.7	B31.12-IP-19
4(Alt-SUS)		9764.5	137895.1	7.1		10643.2	137895.1	7.7	B31.12-IP-19
6(Alt-SUS)		9775.9	137895.1	7.1		10665.9	137895.1	7.7	B31.12-IP-19
8(Alt-SUS)		9770.3	137895.1	7.1		10654.7	137895.1	7.7	B31.12-IP-19
14(SUS)		9754.1	137895.1	7.1		10622.9	137895.1	7.7	B31.12-IP-19
24(EXP)		82645.6	334962.0	24.7		213479.5	334072.0	63.9	B31.12-IP-19
25(EXP)		17425.3	334962.0	5.2		45012.5	334072.0	13.5	B31.12-IP-19
26(EXP)		13106.7	334962.0	3.9		33853.0	334072.0	10.1	B31.12-IP-19
27(EXP)		44811.8	334962.0	13.4		115750.7	334072.0	34.6	B31.12-IP-19
28(EXP)		62237.1	334962.0	18.6		160763.2	334072.0	48.1	B31.12-IP-19
42(OCC)		10998.3	183400.5	6.0		11861.9	183400.5	6.5	B31.12-IP-19
43(OCC)		10992.2	183400.5	6.0		11842.8	183400.5	6.5	B31.12-IP-19
44(OCC)		25563.8	183400.5	13.9		39874.3	183400.5	21.7	B31.12-IP-19
45(OCC)		11684.0	183400.5	6.4		14745.3	183400.5	8.0	B31.12-IP-19
46(OCC)		9776.6	183400.5	5.3		10663.8	183400.5	5.8	B31.12-IP-19
47(OCC)		11318.5	183400.5	6.2		12612.9	183400.5	6.9	B31.12-IP-19
48(OCC)		11231.5	183400.5	6.1		12494.5	183400.5	6.8	B31.12-IP-19
49(OCC)		26396.1	183400.5	14.4		41425.4	183400.5	22.6	B31.12-IP-19
50(OCC)		10559.3	183400.5	5.8		12371.5	183400.5	6.7	B31.12-IP-19
51(OCC)		11173.8	183400.5	6.1		12319.0	183400.5	6.7	B31.12-IP-19
52(OCC)		11295.9	183400.5	6.2		12551.9	183400.5	6.8	B31.12-IP-19
53(OCC)		25993.0	183400.5	14.2		40636.6	183400.5	22.2	B31.12-IP-19
54(OCC)		10082.8	183400.5	5.5		11258.1	183400.5	6.1	B31.12-IP-19
2(Alt-SUS)	1490	10167.1	137895.1	7.4	1495	9307.9	137895.1	6.8	B31.12-IP-19
4(Alt-SUS)		10157.5	137895.1	7.4		9303.9	137895.1	6.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		10182.0	137895.1	7.4		9314.2	137895.1	6.8	B31.12-IP-19
8(Alt-SUS)		10170.0	137895.1	7.4		9309.2	137895.1	6.8	B31.12-IP-19
14(SUS)		10137.3	137895.1	7.4		9295.3	137895.1	6.7	B31.12-IP-19
24(EXP)		215418.1	334555.8	64.4		68333.3	335423.6	20.4	B31.12-IP-19
25(EXP)		45422.0	334555.8	13.6		14408.5	335423.6	4.3	B31.12-IP-19
26(EXP)		34159.5	334555.8	10.2		10835.7	335423.6	3.2	B31.12-IP-19
27(EXP)		116801.3	334555.8	34.9		37050.8	335423.6	11.0	B31.12-IP-19
28(EXP)		162223.3	334555.8	48.5		51459.3	335423.6	15.3	B31.12-IP-19
42(OCC)		13362.8	183400.5	7.3		10458.3	183400.5	5.7	B31.12-IP-19
43(OCC)		13363.2	183400.5	7.3		10459.1	183400.5	5.7	B31.12-IP-19
44(OCC)		42685.6	183400.5	23.3		23124.2	183400.5	12.6	B31.12-IP-19
45(OCC)		11750.2	183400.5	6.4		10071.6	183400.5	5.5	B31.12-IP-19
46(OCC)		10175.4	183400.5	5.5		9311.5	183400.5	5.1	B31.12-IP-19
47(OCC)		13543.1	183400.5	7.4		10529.7	183400.5	5.7	B31.12-IP-19
48(OCC)		14234.2	183400.5	7.8		10849.0	183400.5	5.9	B31.12-IP-19
49(OCC)		43982.6	183400.5	24.0		23681.8	183400.5	12.9	B31.12-IP-19
50(OCC)		14377.4	183400.5	7.8		11159.1	183400.5	6.1	B31.12-IP-19
51(OCC)		14125.9	183400.5	7.7		10794.8	183400.5	5.9	B31.12-IP-19
52(OCC)		13530.0	183400.5	7.4		10523.4	183400.5	5.7	B31.12-IP-19
53(OCC)		43466.9	183400.5	23.7		23440.2	183400.5	12.8	B31.12-IP-19
54(OCC)		15165.7	183400.5	8.3		11527.1	183400.5	6.3	B31.12-IP-19
2(Alt-SUS)	1495	9307.9	137895.1	6.8	1497	6683.3	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		9303.9	137895.1	6.7		6671.9	137895.1	4.8	B31.12-IP-19
6(Alt-SUS)		9314.2	137895.1	6.8		6701.2	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		9309.2	137895.1	6.8		6686.9	137895.1	4.8	B31.12-IP-19
14(SUS)		9295.3	137895.1	6.7		6647.7	137895.1	4.8	B31.12-IP-19
24(EXP)		68333.3	335423.6	20.4		192761.0	338036.7	57.0	B31.12-IP-19
25(EXP)		14408.5	335423.6	4.3		40644.8	338036.7	12.0	B31.12-IP-19
26(EXP)		10835.7	335423.6	3.2		30566.5	338036.7	9.0	B31.12-IP-19
27(EXP)		37050.8	335423.6	11.0		104516.4	338036.7	30.9	B31.12-IP-19
28(EXP)		51459.3	335423.6	15.3		145161.2	338036.7	42.9	B31.12-IP-19
42(OCC)		10458.3	183400.5	5.7		9972.1	183400.5	5.4	B31.12-IP-19
43(OCC)		10459.1	183400.5	5.7		9974.4	183400.5	5.4	B31.12-IP-19
44(OCC)		23124.2	183400.5	12.6		45584.1	183400.5	24.9	B31.12-IP-19
45(OCC)		10071.6	183400.5	5.5		8723.3	183400.5	4.8	B31.12-IP-19
46(OCC)		9311.5	183400.5	5.1		6693.1	183400.5	3.6	B31.12-IP-19
47(OCC)		10529.7	183400.5	5.7		10173.2	183400.5	5.5	B31.12-IP-19
48(OCC)		10849.0	183400.5	5.9		11084.4	183400.5	6.0	B31.12-IP-19
49(OCC)		23681.8	183400.5	12.9		47185.9	183400.5	25.7	B31.12-IP-19
50(OCC)		11159.1	183400.5	6.1		11779.0	183400.5	6.4	B31.12-IP-19
51(OCC)		10794.8	183400.5	5.9		10930.2	183400.5	6.0	B31.12-IP-19
52(OCC)		10523.4	183400.5	5.7		10154.9	183400.5	5.5	B31.12-IP-19
53(OCC)		23440.2	183400.5	12.8		46431.1	183400.5	25.3	B31.12-IP-19
54(OCC)		11527.1	183400.5	6.3		12879.5	183400.5	7.0	B31.12-IP-19
2(Alt-SUS)	1497	6683.3	137895.1	4.8	1500	4710.4	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		6671.9	137895.1	4.8		4710.6	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		6701.2	137895.1	4.9		4710.2	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		6686.9	137895.1	4.8		4710.4	137895.1	3.4	B31.12-IP-19
14(SUS)		6647.7	137895.1	4.8		4710.8	137895.1	3.4	B31.12-IP-19
24(EXP)		192761.0	338036.7	57.0		0.0	340027.1	0.0	B31.12-IP-19
25(EXP)		40644.8	338036.7	12.0		0.0	340027.1	0.0	B31.12-IP-19
26(EXP)		30566.5	338036.7	9.0		0.0	340027.1	0.0	B31.12-IP-19
27(EXP)		104516.4	338036.7	30.9		0.0	340027.1	0.0	B31.12-IP-19
28(EXP)		145161.2	338036.7	42.9		0.0	340027.1	0.0	B31.12-IP-19
42(OCC)		9972.1	183400.5	5.4		4722.2	183400.5	2.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		9974.4	183400.5	5.4		4721.1	183400.5	2.6	B31.12-IP-19
44(OCC)		45584.1	183400.5	24.9		4936.0	183400.5	2.7	B31.12-IP-19
45(OCC)		8723.3	183400.5	4.8		5060.9	183400.5	2.8	B31.12-IP-19
46(OCC)		6693.1	183400.5	3.6		4711.0	183400.5	2.6	B31.12-IP-19
47(OCC)		10173.2	183400.5	5.5		4734.8	183400.5	2.6	B31.12-IP-19
48(OCC)		11084.4	183400.5	6.0		4723.7	183400.5	2.6	B31.12-IP-19
49(OCC)		47185.9	183400.5	25.7		4903.8	183400.5	2.7	B31.12-IP-19
50(OCC)		11779.0	183400.5	6.4		5041.9	183400.5	2.7	B31.12-IP-19
51(OCC)		10930.2	183400.5	6.0		4727.1	183400.5	2.6	B31.12-IP-19
52(OCC)		10154.9	183400.5	5.5		4733.6	183400.5	2.6	B31.12-IP-19
53(OCC)		46431.1	183400.5	25.3		4922.0	183400.5	2.7	B31.12-IP-19
54(OCC)		12879.5	183400.5	7.0		5057.4	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	1490	9290.5	137895.1	6.7	1504	8989.2	137895.1	6.5	B31.12-IP-19
4(Alt-SUS)		9291.5	137895.1	6.7		8989.5	137895.1	6.5	B31.12-IP-19
6(Alt-SUS)		9289.3	137895.1	6.7		8988.7	137895.1	6.5	B31.12-IP-19
8(Alt-SUS)		9290.3	137895.1	6.7		8989.1	137895.1	6.5	B31.12-IP-19
14(SUS)		9290.4	137895.1	6.7		8989.1	137895.1	6.5	B31.12-IP-19
24(EXP)		15276.3	335446.3	4.6		4741.4	335748.3	1.4	B31.12-IP-19
25(EXP)		3220.2	335446.3	1.0		999.1	335748.3	0.3	B31.12-IP-19
26(EXP)		2422.5	335446.3	0.7		752.3	335748.3	0.2	B31.12-IP-19
27(EXP)		8283.8	335446.3	2.5		2571.4	335748.3	0.8	B31.12-IP-19
28(EXP)		11504.0	335446.3	3.4		3570.5	335748.3	1.1	B31.12-IP-19
42(OCC)		9864.1	183400.5	5.4		9366.3	183400.5	5.1	B31.12-IP-19
43(OCC)		9865.4	183400.5	5.4		9367.4	183400.5	5.1	B31.12-IP-19
44(OCC)		13812.1	183400.5	7.5		11333.6	183400.5	6.2	B31.12-IP-19
45(OCC)		14795.1	183400.5	8.1		11703.7	183400.5	6.4	B31.12-IP-19
46(OCC)		9295.0	183400.5	5.1		8991.3	183400.5	4.9	B31.12-IP-19
47(OCC)		10520.6	183400.5	5.7		9685.6	183400.5	5.3	B31.12-IP-19
48(OCC)		10214.9	183400.5	5.6		9523.4	183400.5	5.2	B31.12-IP-19
49(OCC)		13658.1	183400.5	7.4		11260.7	183400.5	6.1	B31.12-IP-19
50(OCC)		14966.6	183400.5	8.2		11823.6	183400.5	6.4	B31.12-IP-19
51(OCC)		10218.7	183400.5	5.6		9523.6	183400.5	5.2	B31.12-IP-19
52(OCC)		10521.4	183400.5	5.7		9686.2	183400.5	5.3	B31.12-IP-19
53(OCC)		13973.4	183400.5	7.6		11457.1	183400.5	6.2	B31.12-IP-19
54(OCC)		14600.7	183400.5	8.0		11619.3	183400.5	6.3	B31.12-IP-19
2(Alt-SUS)	1504	8989.2	137895.1	6.5	1506	5909.3	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		8989.5	137895.1	6.5		5910.5	137895.1	4.3	B31.12-IP-19
6(Alt-SUS)		8988.7	137895.1	6.5		5908.0	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		8989.1	137895.1	6.5		5909.1	137895.1	4.3	B31.12-IP-19
14(SUS)		8989.1	137895.1	6.5		5908.9	137895.1	4.3	B31.12-IP-19
24(EXP)		4741.4	335748.3	1.4		17594.8	338827.4	5.2	B31.12-IP-19
25(EXP)		999.1	335748.3	0.3		3705.4	338827.4	1.1	B31.12-IP-19
26(EXP)		752.3	335748.3	0.2		2794.1	338827.4	0.8	B31.12-IP-19
27(EXP)		2571.4	335748.3	0.8		9543.6	338827.4	2.8	B31.12-IP-19
28(EXP)		3570.5	335748.3	1.1		13249.0	338827.4	3.9	B31.12-IP-19
42(OCC)		9366.3	183400.5	5.1		7498.7	183400.5	4.1	B31.12-IP-19
43(OCC)		9367.4	183400.5	5.1		7504.4	183400.5	4.1	B31.12-IP-19
44(OCC)		11333.6	183400.5	6.2		14902.4	183400.5	8.1	B31.12-IP-19
45(OCC)		11703.7	183400.5	6.4		16226.4	183400.5	8.8	B31.12-IP-19
46(OCC)		8991.3	183400.5	4.9		5917.5	183400.5	3.2	B31.12-IP-19
47(OCC)		9685.6	183400.5	5.3		8615.4	183400.5	4.7	B31.12-IP-19
48(OCC)		9523.4	183400.5	5.2		7952.5	183400.5	4.3	B31.12-IP-19
49(OCC)		11260.7	183400.5	6.1		14493.9	183400.5	7.9	B31.12-IP-19
50(OCC)		11823.6	183400.5	6.4		16630.2	183400.5	9.1	B31.12-IP-19
51(OCC)		9523.6	183400.5	5.2		7950.4	183400.5	4.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		9686.2	183400.5	5.3		8618.3	183400.5	4.7	B31.12-IP-19
53(OCC)		11457.1	183400.5	6.2		15342.4	183400.5	8.4	B31.12-IP-19
54(OCC)		11619.3	183400.5	6.3		15766.0	183400.5	8.6	B31.12-IP-19
2(Alt-SUS)	1506	5909.3	137895.1	4.3	1498	6705.5	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		5910.5	137895.1	4.3		6705.9	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		5908.0	137895.1	4.3		6705.1	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		5909.1	137895.1	4.3		6705.5	137895.1	4.9	B31.12-IP-19
14(SUS)		5908.9	137895.1	4.3		6705.5	137895.1	4.9	B31.12-IP-19
24(EXP)		17594.8	338827.4	5.2		14240.1	338031.9	4.2	B31.12-IP-19
25(EXP)		3705.4	338827.4	1.1		3035.6	338031.9	0.9	B31.12-IP-19
26(EXP)		2794.1	338827.4	0.8		2221.0	338031.9	0.7	B31.12-IP-19
27(EXP)		9543.6	338827.4	2.8		7697.3	338031.9	2.3	B31.12-IP-19
28(EXP)		13249.0	338827.4	3.9		10732.9	338031.9	3.2	B31.12-IP-19
42(OCC)		7498.7	183400.5	4.1		7951.0	183400.5	4.3	B31.12-IP-19
43(OCC)		7504.4	183400.5	4.1		7953.6	183400.5	4.3	B31.12-IP-19
44(OCC)		14902.4	183400.5	8.1		10481.2	183400.5	5.7	B31.12-IP-19
45(OCC)		16226.4	183400.5	8.8		7152.2	183400.5	3.9	B31.12-IP-19
46(OCC)		5917.5	183400.5	3.2		6710.4	183400.5	3.7	B31.12-IP-19
47(OCC)		8615.4	183400.5	4.7		8553.2	183400.5	4.7	B31.12-IP-19
48(OCC)		7952.5	183400.5	4.3		8139.0	183400.5	4.4	B31.12-IP-19
49(OCC)		14493.9	183400.5	7.9		10611.1	183400.5	5.8	B31.12-IP-19
50(OCC)		16630.2	183400.5	9.1		7995.4	183400.5	4.4	B31.12-IP-19
51(OCC)		7950.4	183400.5	4.3		8140.0	183400.5	4.4	B31.12-IP-19
52(OCC)		8618.3	183400.5	4.7		8555.2	183400.5	4.7	B31.12-IP-19
53(OCC)		15342.4	183400.5	8.4		10820.7	183400.5	5.9	B31.12-IP-19
54(OCC)		15766.0	183400.5	8.6		7641.4	183400.5	4.2	B31.12-IP-19
2(Alt-SUS)	1498	7841.1	137895.1	5.7	1499	7533.5	137895.1	5.5	B31.12-IP-19
4(Alt-SUS)		7841.8	137895.1	5.7		7534.6	137895.1	5.5	B31.12-IP-19
6(Alt-SUS)		7840.2	137895.1	5.7		7532.3	137895.1	5.5	B31.12-IP-19
8(Alt-SUS)		7840.9	137895.1	5.7		7533.3	137895.1	5.5	B31.12-IP-19
14(SUS)		7841.0	137895.1	5.7		7533.2	137895.1	5.5	B31.12-IP-19
24(EXP)		30608.1	336896.0	9.1		33080.6	337203.3	9.8	B31.12-IP-19
25(EXP)		6527.6	336896.0	1.9		7050.4	337203.3	2.1	B31.12-IP-19
26(EXP)		4770.8	336896.0	1.4		5161.2	337203.3	1.5	B31.12-IP-19
27(EXP)		16542.7	336896.0	4.9		17882.3	337203.3	5.3	B31.12-IP-19
28(EXP)		23070.3	336896.0	6.8		24932.7	337203.3	7.4	B31.12-IP-19
42(OCC)		9324.5	183400.5	5.1		9408.5	183400.5	5.1	B31.12-IP-19
43(OCC)		9328.3	183400.5	5.1		9413.2	183400.5	5.1	B31.12-IP-19
44(OCC)		11644.4	183400.5	6.3		12157.8	183400.5	6.6	B31.12-IP-19
45(OCC)		8398.6	183400.5	4.6		7984.1	183400.5	4.4	B31.12-IP-19
46(OCC)		7846.7	183400.5	4.3		7540.0	183400.5	4.1	B31.12-IP-19
47(OCC)		10482.7	183400.5	5.7		10509.8	183400.5	5.7	B31.12-IP-19
48(OCC)		9378.4	183400.5	5.1		9029.8	183400.5	4.9	B31.12-IP-19
49(OCC)		12080.9	183400.5	6.6		12690.0	183400.5	6.9	B31.12-IP-19
50(OCC)		9690.1	183400.5	5.3		9063.1	183400.5	4.9	B31.12-IP-19
51(OCC)		9380.6	183400.5	5.1		9030.7	183400.5	4.9	B31.12-IP-19
52(OCC)		10485.8	183400.5	5.7		10513.6	183400.5	5.7	B31.12-IP-19
53(OCC)		12056.5	183400.5	6.6		12359.0	183400.5	6.7	B31.12-IP-19
54(OCC)		9326.6	183400.5	5.1		9094.4	183400.5	5.0	B31.12-IP-19
2(Alt-SUS)	1499	7533.5	137895.1	5.5	1505	6855.8	137895.1	5.0	B31.12-IP-19
4(Alt-SUS)		7534.6	137895.1	5.5		6856.7	137895.1	5.0	B31.12-IP-19
6(Alt-SUS)		7532.3	137895.1	5.5		6854.7	137895.1	5.0	B31.12-IP-19
8(Alt-SUS)		7533.3	137895.1	5.5		6855.6	137895.1	5.0	B31.12-IP-19
14(SUS)		7533.2	137895.1	5.5		6855.8	137895.1	5.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		33080.6	337203.3	9.8		33699.4	337881.1	10.0	B31.12-IP-19
25(EXP)		7050.4	337203.3	2.1		7180.0	337881.1	2.1	B31.12-IP-19
26(EXP)		5161.2	337203.3	1.5		5260.1	337881.1	1.6	B31.12-IP-19
27(EXP)		17882.3	337203.3	5.3		18218.5	337881.1	5.4	B31.12-IP-19
28(EXP)		24932.7	337203.3	7.4		25398.5	337881.1	7.5	B31.12-IP-19
42(OCC)		9408.5	183400.5	5.1		8929.5	183400.5	4.9	B31.12-IP-19
43(OCC)		9413.2	183400.5	5.1		8934.5	183400.5	4.9	B31.12-IP-19
44(OCC)		12157.8	183400.5	6.6		12391.5	183400.5	6.8	B31.12-IP-19
45(OCC)		7984.1	183400.5	4.4		7715.5	183400.5	4.2	B31.12-IP-19
46(OCC)		7540.0	183400.5	4.1		6863.3	183400.5	3.7	B31.12-IP-19
47(OCC)		10509.8	183400.5	5.7		9601.7	183400.5	5.2	B31.12-IP-19
48(OCC)		9029.8	183400.5	4.9		8690.3	183400.5	4.7	B31.12-IP-19
49(OCC)		12690.0	183400.5	6.9		12572.7	183400.5	6.9	B31.12-IP-19
50(OCC)		9063.1	183400.5	4.9		8447.1	183400.5	4.6	B31.12-IP-19
51(OCC)		9030.7	183400.5	4.9		8689.0	183400.5	4.7	B31.12-IP-19
52(OCC)		10513.6	183400.5	5.7		9605.8	183400.5	5.2	B31.12-IP-19
53(OCC)		12359.0	183400.5	6.7		12737.9	183400.5	6.9	B31.12-IP-19
54(OCC)		9094.4	183400.5	5.0		8271.9	183400.5	4.5	B31.12-IP-19
2(Alt-SUS)	1505	6048.7	137895.1	4.4	1508	5294.2	137895.1	3.8	B31.12-IP-19
4(Alt-SUS)		6049.2	137895.1	4.4		5294.4	137895.1	3.8	B31.12-IP-19
6(Alt-SUS)		6048.1	137895.1	4.4		5294.1	137895.1	3.8	B31.12-IP-19
8(Alt-SUS)		6048.6	137895.1	4.4		5294.2	137895.1	3.8	B31.12-IP-19
14(SUS)		6048.8	137895.1	4.4		5294.3	137895.1	3.8	B31.12-IP-19
24(EXP)		15368.2	338688.6	4.5		3353.4	339443.5	1.0	B31.12-IP-19
25(EXP)		3274.0	338688.6	1.0		710.6	339443.5	0.2	B31.12-IP-19
26(EXP)		2399.2	338688.6	0.7		527.7	339443.5	0.2	B31.12-IP-19
27(EXP)		8308.6	338688.6	2.5		1815.7	339443.5	0.5	B31.12-IP-19
28(EXP)		11582.6	338688.6	3.4		2526.3	339443.5	0.7	B31.12-IP-19
42(OCC)		7445.5	183400.5	4.1		5926.6	183400.5	3.2	B31.12-IP-19
43(OCC)		7448.6	183400.5	4.1		5927.9	183400.5	3.2	B31.12-IP-19
44(OCC)		10043.7	183400.5	5.5		5658.1	183400.5	3.1	B31.12-IP-19
45(OCC)		6669.9	183400.5	3.6		5582.6	183400.5	3.0	B31.12-IP-19
46(OCC)		6053.9	183400.5	3.3		5295.2	183400.5	2.9	B31.12-IP-19
47(OCC)		7842.1	183400.5	4.3		7456.3	183400.5	4.1	B31.12-IP-19
48(OCC)		7425.0	183400.5	4.0		7255.4	183400.5	4.0	B31.12-IP-19
49(OCC)		10134.5	183400.5	5.5		5818.8	183400.5	3.2	B31.12-IP-19
50(OCC)		7180.9	183400.5	3.9		5969.2	183400.5	3.3	B31.12-IP-19
51(OCC)		7424.2	183400.5	4.0		7252.7	183400.5	4.0	B31.12-IP-19
52(OCC)		7844.6	183400.5	4.3		7457.4	183400.5	4.1	B31.12-IP-19
53(OCC)		10310.0	183400.5	5.6		5987.4	183400.5	3.3	B31.12-IP-19
54(OCC)		7029.9	183400.5	3.8		5840.0	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	1508	5510.3	137895.1	4.0	1509	5691.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5510.5	137895.1	4.0		5691.2	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		5510.0	137895.1	4.0		5691.0	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		5510.2	137895.1	4.0		5691.1	137895.1	4.1	B31.12-IP-19
14(SUS)		5510.3	137895.1	4.0		5691.1	137895.1	4.1	B31.12-IP-19
24(EXP)		7130.1	339227.4	2.1		6406.6	339046.6	1.9	B31.12-IP-19
25(EXP)		1510.2	339227.4	0.4		1357.1	339046.6	0.4	B31.12-IP-19
26(EXP)		1122.8	339227.4	0.3		1008.8	339046.6	0.3	B31.12-IP-19
27(EXP)		3861.1	339227.4	1.1		3469.3	339046.6	1.0	B31.12-IP-19
28(EXP)		5371.3	339227.4	1.6		4826.4	339046.6	1.4	B31.12-IP-19
42(OCC)		6522.0	183400.5	3.6		6614.7	183400.5	3.6	B31.12-IP-19
43(OCC)		6524.2	183400.5	3.6		6616.6	183400.5	3.6	B31.12-IP-19
44(OCC)		6106.9	183400.5	3.3		5831.5	183400.5	3.2	B31.12-IP-19
45(OCC)		5985.1	183400.5	3.3		5818.4	183400.5	3.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		5511.7	183400.5	3.0		5692.5	183400.5	3.1	B31.12-IP-19
47(OCC)		8939.4	183400.5	4.9		8711.8	183400.5	4.8	B31.12-IP-19
48(OCC)		8585.3	183400.5	4.7		8417.5	183400.5	4.6	B31.12-IP-19
49(OCC)		6138.1	183400.5	3.3		6251.0	183400.5	3.4	B31.12-IP-19
50(OCC)		6429.1	183400.5	3.5		6314.8	183400.5	3.4	B31.12-IP-19
51(OCC)		8580.9	183400.5	4.7		8413.6	183400.5	4.6	B31.12-IP-19
52(OCC)		8941.2	183400.5	4.9		8713.3	183400.5	4.8	B31.12-IP-19
53(OCC)		6441.8	183400.5	3.5		6314.1	183400.5	3.4	B31.12-IP-19
54(OCC)		6155.9	183400.5	3.4		6241.0	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	1509	5691.1	137895.1	4.1	1510	5376.5	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		5691.2	137895.1	4.1		5376.5	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5691.0	137895.1	4.1		5376.4	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		5691.1	137895.1	4.1		5376.5	137895.1	3.9	B31.12-IP-19
14(SUS)		5691.1	137895.1	4.1		5376.5	137895.1	3.9	B31.12-IP-19
24(EXP)		6406.6	339046.6	1.9		3813.7	339361.3	1.1	B31.12-IP-19
25(EXP)		1357.1	339046.6	0.4		807.9	339361.3	0.2	B31.12-IP-19
26(EXP)		1008.8	339046.6	0.3		600.4	339361.3	0.2	B31.12-IP-19
27(EXP)		3469.3	339046.6	1.0		2065.2	339361.3	0.6	B31.12-IP-19
28(EXP)		4826.4	339046.6	1.4		2873.0	339361.3	0.8	B31.12-IP-19
42(OCC)		6614.7	183400.5	3.6		5923.0	183400.5	3.2	B31.12-IP-19
43(OCC)		6616.6	183400.5	3.6		5924.1	183400.5	3.2	B31.12-IP-19
44(OCC)		5831.5	183400.5	3.2		5558.4	183400.5	3.0	B31.12-IP-19
45(OCC)		5818.4	183400.5	3.2		5498.3	183400.5	3.0	B31.12-IP-19
46(OCC)		5692.5	183400.5	3.1		5377.3	183400.5	2.9	B31.12-IP-19
47(OCC)		8711.8	183400.5	4.8		7105.0	183400.5	3.9	B31.12-IP-19
48(OCC)		8417.5	183400.5	4.6		6945.9	183400.5	3.8	B31.12-IP-19
49(OCC)		6251.0	183400.5	3.4		5835.7	183400.5	3.2	B31.12-IP-19
50(OCC)		6314.8	183400.5	3.4		5774.5	183400.5	3.1	B31.12-IP-19
51(OCC)		8413.6	183400.5	4.6		6943.8	183400.5	3.8	B31.12-IP-19
52(OCC)		8713.3	183400.5	4.8		7105.8	183400.5	3.9	B31.12-IP-19
53(OCC)		6314.1	183400.5	3.4		5808.6	183400.5	3.2	B31.12-IP-19
54(OCC)		6241.0	183400.5	3.4		5785.9	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	1510	5185.3	137895.1	3.8	1520	4709.2	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		5185.4	137895.1	3.8		4709.2	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		5185.3	137895.1	3.8		4709.2	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		5185.3	137895.1	3.8		4709.2	137895.1	3.4	B31.12-IP-19
14(SUS)		5185.3	137895.1	3.8		4709.2	137895.1	3.4	B31.12-IP-19
24(EXP)		1743.2	339552.5	0.5		0.0	340028.6	0.0	B31.12-IP-19
25(EXP)		369.3	339552.5	0.1		0.0	340028.6	0.0	B31.12-IP-19
26(EXP)		274.4	339552.5	0.1		0.0	340028.6	0.0	B31.12-IP-19
27(EXP)		943.9	339552.5	0.3		0.0	340028.6	0.0	B31.12-IP-19
28(EXP)		1313.3	339552.5	0.4		0.0	340028.6	0.0	B31.12-IP-19
42(OCC)		5518.8	183400.5	3.0		4719.5	183400.5	2.6	B31.12-IP-19
43(OCC)		5519.4	183400.5	3.0		4719.5	183400.5	2.6	B31.12-IP-19
44(OCC)		5329.7	183400.5	2.9		4795.8	183400.5	2.6	B31.12-IP-19
45(OCC)		5284.8	183400.5	2.9		4774.8	183400.5	2.6	B31.12-IP-19
46(OCC)		5185.9	183400.5	2.8		4709.2	183400.5	2.6	B31.12-IP-19
47(OCC)		6239.4	183400.5	3.4		4727.8	183400.5	2.6	B31.12-IP-19
48(OCC)		6148.3	183400.5	3.4		4728.1	183400.5	2.6	B31.12-IP-19
49(OCC)		5527.5	183400.5	3.0		4802.7	183400.5	2.6	B31.12-IP-19
50(OCC)		5490.2	183400.5	3.0		4781.7	183400.5	2.6	B31.12-IP-19
51(OCC)		6147.0	183400.5	3.4		4728.0	183400.5	2.6	B31.12-IP-19
52(OCC)		6240.0	183400.5	3.4		4727.8	183400.5	2.6	B31.12-IP-19
53(OCC)		5522.1	183400.5	3.0		4803.3	183400.5	2.6	B31.12-IP-19
54(OCC)		5495.0	183400.5	3.0		4781.3	183400.5	2.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	7490	0.0	0.0	0.0	7500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7500	0.0	0.0	0.0	7510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7510	0.0	0.0	0.0	7520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7510	0.0	0.0	0.0	7530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7530	0.0	0.0	0.0	7535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7540	2256.0	137895.1	1.6	7550	2263.7	137895.1	1.6	B31.12-IP-19
4(Alt-SUS)		2149.9	137895.1	1.6		2159.4	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2127.5	137895.1	1.5		2135.4	137895.1	1.5	B31.12-IP-19
8(Alt-SUS)		2128.9	137895.1	1.5		2137.1	137895.1	1.5	B31.12-IP-19
14(SUS)		2118.7	137895.1	1.5		2128.2	137895.1	1.5	B31.12-IP-19
24(EXP)		5731.9	342481.8	1.7		4945.3	342474.1	1.4	B31.12-IP-19
25(EXP)		1704.7	342481.8	0.5		1467.5	342474.1	0.4	B31.12-IP-19
26(EXP)		1225.4	342481.8	0.4		1057.4	342474.1	0.3	B31.12-IP-19
27(EXP)		4288.0	342481.8	1.3		3696.5	342474.1	1.1	B31.12-IP-19
28(EXP)		5992.2	342481.8	1.7		5163.7	342474.1	1.5	B31.12-IP-19
42(OCC)		2220.0	183400.5	1.2		2209.2	183400.5	1.2	B31.12-IP-19
43(OCC)		2220.8	183400.5	1.2		2209.9	183400.5	1.2	B31.12-IP-19
44(OCC)		2285.2	183400.5	1.2		2265.7	183400.5	1.2	B31.12-IP-19
45(OCC)		2292.0	183400.5	1.2		2271.8	183400.5	1.2	B31.12-IP-19
46(OCC)		2123.7	183400.5	1.2		2132.2	183400.5	1.2	B31.12-IP-19
47(OCC)		3189.5	183400.5	1.7		2987.6	183400.5	1.6	B31.12-IP-19
48(OCC)		3234.5	183400.5	1.8		3027.8	183400.5	1.7	B31.12-IP-19
49(OCC)		2800.6	183400.5	1.5		2651.6	183400.5	1.4	B31.12-IP-19
50(OCC)		3008.2	183400.5	1.6		2832.8	183400.5	1.5	B31.12-IP-19
51(OCC)		3199.4	183400.5	1.7		2997.7	183400.5	1.6	B31.12-IP-19
52(OCC)		3273.7	183400.5	1.8		3059.9	183400.5	1.7	B31.12-IP-19
53(OCC)		2762.9	183400.5	1.5		2618.6	183400.5	1.4	B31.12-IP-19
54(OCC)		2816.3	183400.5	1.5		2661.0	183400.5	1.5	B31.12-IP-19
2(Alt-SUS)	7550	3953.4	137895.1	2.9	7560	3963.1	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3760.8	137895.1	2.7		3775.2	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3716.7	137895.1	2.7		3726.4	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3719.8	137895.1	2.7		3730.3	137895.1	2.7	B31.12-IP-19
14(SUS)		3703.2	137895.1	2.7		3716.8	137895.1	2.7	B31.12-IP-19
24(EXP)		9200.4	340784.4	2.7		7396.6	340774.7	2.2	B31.12-IP-19
25(EXP)		2730.2	340784.4	0.8		2182.0	340774.7	0.6	B31.12-IP-19
26(EXP)		1967.2	340784.4	0.6		1579.5	340774.7	0.5	B31.12-IP-19
27(EXP)		6877.1	340784.4	2.0		5510.7	340774.7	1.6	B31.12-IP-19
28(EXP)		9606.6	340784.4	2.8		7692.2	340774.7	2.3	B31.12-IP-19
42(OCC)		3853.9	183400.5	2.1		3824.1	183400.5	2.1	B31.12-IP-19
43(OCC)		3855.1	183400.5	2.1		3825.0	183400.5	2.1	B31.12-IP-19
44(OCC)		3959.0	183400.5	2.2		3907.3	183400.5	2.1	B31.12-IP-19
45(OCC)		3970.2	183400.5	2.2		3916.6	183400.5	2.1	B31.12-IP-19
46(OCC)		3710.6	183400.5	2.0		3721.5	183400.5	2.0	B31.12-IP-19
47(OCC)		5300.3	183400.5	2.9		4856.2	183400.5	2.6	B31.12-IP-19
48(OCC)		5373.6	183400.5	2.9		4916.6	183400.5	2.7	B31.12-IP-19
49(OCC)		4674.9	183400.5	2.5		4358.4	183400.5	2.4	B31.12-IP-19
50(OCC)		5010.0	183400.5	2.7		4627.3	183400.5	2.5	B31.12-IP-19
51(OCC)		5317.9	183400.5	2.9		4874.2	183400.5	2.7	B31.12-IP-19
52(OCC)		5435.1	183400.5	3.0		4960.7	183400.5	2.7	B31.12-IP-19
53(OCC)		4613.0	183400.5	2.5		4308.3	183400.5	2.3	B31.12-IP-19
54(OCC)		4692.4	183400.5	2.6		4360.2	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	7560	0.0	0.0	0.0	7570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2020	0.0	0.0	0.0	2030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2030	36749.5	137895.1	26.7	2040	36708.2	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		34928.1	137895.1	25.3		34958.7	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34478.2	137895.1	25.0		34481.7	137895.1	25.0	B31.12-IP-19
8(Alt-SUS)		34500.1	137895.1	25.0		34507.3	137895.1	25.0	B31.12-IP-19
14(SUS)		34440.6	137895.1	25.0		34458.2	137895.1	25.0	B31.12-IP-19
24(EXP)		46748.4	307988.3	15.2		42150.4	308029.7	13.7	B31.12-IP-19
25(EXP)		13650.3	307988.3	4.4		12191.1	308029.7	4.0	B31.12-IP-19
26(EXP)		9952.9	307988.3	3.2		8929.8	308029.7	2.9	B31.12-IP-19
27(EXP)		34540.6	307988.3	11.2		30931.1	308029.7	10.0	B31.12-IP-19
28(EXP)		48184.5	307988.3	15.6		43117.1	308029.7	14.0	B31.12-IP-19
42(OCC)		35005.6	183400.5	19.1		34875.5	183400.5	19.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		35034.4	183400.5	19.1		34881.9	183400.5	19.0	B31.12-IP-19
44(OCC)		35600.3	183400.5	19.4		35321.6	183400.5	19.3	B31.12-IP-19
45(OCC)		35574.8	183400.5	19.4		35299.4	183400.5	19.2	B31.12-IP-19
46(OCC)		34479.1	183400.5	18.8		34482.5	183400.5	18.8	B31.12-IP-19
47(OCC)		40351.1	183400.5	22.0		38948.1	183400.5	21.2	B31.12-IP-19
48(OCC)		40834.1	183400.5	22.3		39307.3	183400.5	21.4	B31.12-IP-19
49(OCC)		37477.1	183400.5	20.4		36558.1	183400.5	19.9	B31.12-IP-19
50(OCC)		39001.7	183400.5	21.3		37766.1	183400.5	20.6	B31.12-IP-19
51(OCC)		40495.6	183400.5	22.1		39088.3	183400.5	21.3	B31.12-IP-19
52(OCC)		41049.7	183400.5	22.4		39451.7	183400.5	21.5	B31.12-IP-19
53(OCC)		37308.4	183400.5	20.3		36430.5	183400.5	19.9	B31.12-IP-19
54(OCC)		37287.0	183400.5	20.3		36273.1	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	2040	0.0	0.0	0.0	2050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2050	0.0	0.0	0.0	2060	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2060	36873.3	137895.1	26.7	2068	36872.9	137895.1	26.7	B31.12-IP-19
4(Alt-SUS)		35225.2	137895.1	25.5		35265.0	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34701.8	137895.1	25.2		34717.2	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34729.8	137895.1	25.2		34744.2	137895.1	25.2	B31.12-IP-19
14(SUS)		34695.5	137895.1	25.2		34715.9	137895.1	25.2	B31.12-IP-19
24(EXP)		41312.8	307864.5	13.4		45131.4	307864.9	14.7	B31.12-IP-19
25(EXP)		11792.2	307864.5	3.8		12884.1	307864.9	4.2	B31.12-IP-19
26(EXP)		8625.6	307864.5	2.8		9365.4	307864.9	3.0	B31.12-IP-19
27(EXP)		29812.2	307864.5	9.7		32382.5	307864.9	10.5	B31.12-IP-19
28(EXP)		41601.3	307864.5	13.5		45264.4	307864.9	14.7	B31.12-IP-19
42(OCC)		34909.5	183400.5	19.0		34863.6	183400.5	19.0	B31.12-IP-19
43(OCC)		34882.9	183400.5	19.0		34849.9	183400.5	19.0	B31.12-IP-19
44(OCC)		35081.3	183400.5	19.1		34869.0	183400.5	19.0	B31.12-IP-19
45(OCC)		35064.1	183400.5	19.1		34852.9	183400.5	19.0	B31.12-IP-19
46(OCC)		34734.1	183400.5	18.9		34771.7	183400.5	19.0	B31.12-IP-19
47(OCC)		37534.4	183400.5	20.5		37231.6	183400.5	20.3	B31.12-IP-19
48(OCC)		37616.9	183400.5	20.5		37273.9	183400.5	20.3	B31.12-IP-19
49(OCC)		35642.8	183400.5	19.4		35387.2	183400.5	19.3	B31.12-IP-19
50(OCC)		36387.5	183400.5	19.8		36170.1	183400.5	19.7	B31.12-IP-19
51(OCC)		37587.0	183400.5	20.5		37265.5	183400.5	20.3	B31.12-IP-19
52(OCC)		37822.1	183400.5	20.6		37460.7	183400.5	20.4	B31.12-IP-19
53(OCC)		35494.1	183400.5	19.4		35210.2	183400.5	19.2	B31.12-IP-19
54(OCC)		35191.2	183400.5	19.2		34866.2	183400.5	19.0	B31.12-IP-19
2(Alt-SUS)	2068	38980.1	137895.1	28.3	2069	38181.2	137895.1	27.7	B31.12-IP-19
4(Alt-SUS)		35952.4	137895.1	26.1		35789.7	137895.1	26.0	B31.12-IP-19
6(Alt-SUS)		34915.8	137895.1	25.3		34948.4	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		34969.9	137895.1	25.4		35001.0	137895.1	25.4	B31.12-IP-19
14(SUS)		34912.6	137895.1	25.3		34947.3	137895.1	25.3	B31.12-IP-19
24(EXP)		79812.9	305757.8	26.1		65967.5	306556.7	21.5	B31.12-IP-19
25(EXP)		21926.5	305757.8	7.2		18038.4	306556.7	5.9	B31.12-IP-19
26(EXP)		16146.2	305757.8	5.3		13156.1	306556.7	4.3	B31.12-IP-19
27(EXP)		55816.1	305757.8	18.3		45977.2	306556.7	15.0	B31.12-IP-19
28(EXP)		77735.8	305757.8	25.4		64010.7	306556.7	20.9	B31.12-IP-19
42(OCC)		35095.0	183400.5	19.1		35101.1	183400.5	19.1	B31.12-IP-19
43(OCC)		35078.2	183400.5	19.1		35135.2	183400.5	19.2	B31.12-IP-19
44(OCC)		35191.1	183400.5	19.2		35224.1	183400.5	19.2	B31.12-IP-19
45(OCC)		35163.1	183400.5	19.2		35216.9	183400.5	19.2	B31.12-IP-19
46(OCC)		35012.8	183400.5	19.1		35062.3	183400.5	19.1	B31.12-IP-19
47(OCC)		37524.6	183400.5	20.5		37515.5	183400.5	20.5	B31.12-IP-19
48(OCC)		37542.5	183400.5	20.5		37596.2	183400.5	20.5	B31.12-IP-19
49(OCC)		36155.1	183400.5	19.7		35774.0	183400.5	19.5	B31.12-IP-19
50(OCC)		37163.0	183400.5	20.3		36851.4	183400.5	20.1	B31.12-IP-19
51(OCC)		37516.2	183400.5	20.5		37505.3	183400.5	20.4	B31.12-IP-19
52(OCC)		37776.6	183400.5	20.6		37883.2	183400.5	20.7	B31.12-IP-19
53(OCC)		35888.5	183400.5	19.6		35430.3	183400.5	19.3	B31.12-IP-19
54(OCC)		35114.7	183400.5	19.1		35837.5	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	2069	38181.2	137895.1	27.7	2070	35917.3	137895.1	26.0	B31.12-IP-19
4(Alt-SUS)		35789.7	137895.1	26.0		35171.9	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		34948.4	137895.1	25.3		34886.0	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		35001.0	137895.1	25.4		34940.1	137895.1	25.3	B31.12-IP-19
14(SUS)		34947.3	137895.1	25.3		34881.5	137895.1	25.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		65967.5	306556.7	21.5		57026.1	308820.5	18.5	B31.12-IP-19
25(EXP)		18038.4	306556.7	5.9		16211.6	308820.5	5.2	B31.12-IP-19
26(EXP)		13156.1	306556.7	4.3		11744.6	308820.5	3.8	B31.12-IP-19
27(EXP)		45977.2	306556.7	15.0		40850.0	308820.5	13.2	B31.12-IP-19
28(EXP)		64010.7	306556.7	20.9		57054.4	308820.5	18.5	B31.12-IP-19
42(OCC)		35101.1	183400.5	19.1		34963.2	183400.5	19.1	B31.12-IP-19
43(OCC)		35135.2	183400.5	19.2		35010.7	183400.5	19.1	B31.12-IP-19
44(OCC)		35224.1	183400.5	19.2		35172.6	183400.5	19.2	B31.12-IP-19
45(OCC)		35216.9	183400.5	19.2		35164.9	183400.5	19.2	B31.12-IP-19
46(OCC)		35062.3	183400.5	19.1		34943.3	183400.5	19.1	B31.12-IP-19
47(OCC)		37515.5	183400.5	20.5		36931.2	183400.5	20.1	B31.12-IP-19
48(OCC)		37596.2	183400.5	20.5		36978.4	183400.5	20.2	B31.12-IP-19
49(OCC)		35774.0	183400.5	19.5		35658.2	183400.5	19.4	B31.12-IP-19
50(OCC)		36851.4	183400.5	20.1		37233.3	183400.5	20.3	B31.12-IP-19
51(OCC)		37505.3	183400.5	20.4		36964.7	183400.5	20.2	B31.12-IP-19
52(OCC)		37883.2	183400.5	20.7		37139.8	183400.5	20.3	B31.12-IP-19
53(OCC)		35430.3	183400.5	19.3		35212.9	183400.5	19.2	B31.12-IP-19
54(OCC)		35837.5	183400.5	19.5		35644.8	183400.5	19.4	B31.12-IP-19
2(Alt-SUS)	2070	35232.7	137895.1	25.6	2078	34874.7	137895.1	25.3	B31.12-IP-19
4(Alt-SUS)		34851.2	137895.1	25.3		34571.7	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34706.8	137895.1	25.2		34644.3	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34733.5	137895.1	25.2		34672.7	137895.1	25.1	B31.12-IP-19
14(SUS)		34704.8	137895.1	25.2		34640.5	137895.1	25.1	B31.12-IP-19
24(EXP)		40215.8	309505.1	13.0		35911.9	309863.1	11.6	B31.12-IP-19
25(EXP)		11629.5	309505.1	3.8		10470.2	309863.1	3.4	B31.12-IP-19
26(EXP)		8362.2	309505.1	2.7		7509.3	309863.1	2.4	B31.12-IP-19
27(EXP)		28869.3	309505.1	9.3		25786.4	309863.1	8.3	B31.12-IP-19
28(EXP)		40497.0	309505.1	13.1		36254.7	309863.1	11.7	B31.12-IP-19
42(OCC)		34763.5	183400.5	19.0		34697.7	183400.5	18.9	B31.12-IP-19
43(OCC)		34831.0	183400.5	19.0		34788.7	183400.5	19.0	B31.12-IP-19
44(OCC)		34906.3	183400.5	19.0		34853.1	183400.5	19.0	B31.12-IP-19
45(OCC)		34902.2	183400.5	19.0		34850.8	183400.5	19.0	B31.12-IP-19
46(OCC)		34740.3	183400.5	18.9		34665.6	183400.5	18.9	B31.12-IP-19
47(OCC)		36285.1	183400.5	19.8		35895.6	183400.5	19.6	B31.12-IP-19
48(OCC)		36418.4	183400.5	19.9		36149.9	183400.5	19.7	B31.12-IP-19
49(OCC)		35306.5	183400.5	19.3		35362.3	183400.5	19.3	B31.12-IP-19
50(OCC)		36496.9	183400.5	19.9		36970.7	183400.5	20.2	B31.12-IP-19
51(OCC)		36280.1	183400.5	19.8		35871.3	183400.5	19.6	B31.12-IP-19
52(OCC)		36534.6	183400.5	19.9		36218.6	183400.5	19.7	B31.12-IP-19
53(OCC)		34955.7	183400.5	19.1		34918.0	183400.5	19.0	B31.12-IP-19
54(OCC)		35198.0	183400.5	19.2		35079.0	183400.5	19.1	B31.12-IP-19
2(Alt-SUS)	2078	35107.3	137895.1	25.5	2079	36626.1	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		34607.5	137895.1	25.1		35016.7	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34722.7	137895.1	25.2		34614.7	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34770.5	137895.1	25.2		34607.2	137895.1	25.1	B31.12-IP-19
14(SUS)		34716.1	137895.1	25.2		34589.8	137895.1	25.1	B31.12-IP-19
24(EXP)		39376.6	309630.5	12.7		43780.9	308111.8	14.2	B31.12-IP-19
25(EXP)		11544.7	309630.5	3.7		12851.5	308111.8	4.2	B31.12-IP-19
26(EXP)		8350.0	309630.5	2.7		9117.0	308111.8	3.0	B31.12-IP-19
27(EXP)		28426.4	309630.5	9.2		31814.3	308111.8	10.3	B31.12-IP-19
28(EXP)		39962.0	309630.5	12.9		44662.2	308111.8	14.5	B31.12-IP-19
42(OCC)		34795.6	183400.5	19.0		34759.5	183400.5	19.0	B31.12-IP-19
43(OCC)		34904.7	183400.5	19.0		34799.0	183400.5	19.0	B31.12-IP-19
44(OCC)		35052.1	183400.5	19.1		34847.3	183400.5	19.0	B31.12-IP-19
45(OCC)		35043.2	183400.5	19.1		34861.7	183400.5	19.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		34758.1	183400.5	19.0		34656.3	183400.5	18.9	B31.12-IP-19
47(OCC)		35990.1	183400.5	19.6		37208.7	183400.5	20.3	B31.12-IP-19
48(OCC)		36349.0	183400.5	19.8		37643.6	183400.5	20.5	B31.12-IP-19
49(OCC)		35694.0	183400.5	19.5		35437.8	183400.5	19.3	B31.12-IP-19
50(OCC)		37991.6	183400.5	20.7		37775.3	183400.5	20.6	B31.12-IP-19
51(OCC)		35986.4	183400.5	19.6		37180.8	183400.5	20.3	B31.12-IP-19
52(OCC)		36395.4	183400.5	19.8		37915.7	183400.5	20.7	B31.12-IP-19
53(OCC)		35113.0	183400.5	19.1		34891.0	183400.5	19.0	B31.12-IP-19
54(OCC)		35372.0	183400.5	19.3		35207.4	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	2079	36626.1	137895.1	26.6	2080	37055.0	137895.1	26.9	B31.12-IP-19
4(Alt-SUS)		35016.7	137895.1	25.4		35276.4	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34614.7	137895.1	25.1		34808.6	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34607.2	137895.1	25.1		34837.8	137895.1	25.3	B31.12-IP-19
14(SUS)		34589.8	137895.1	25.1		34821.1	137895.1	25.3	B31.12-IP-19
24(EXP)		43780.9	308111.8	14.2		53391.8	307682.8	17.4	B31.12-IP-19
25(EXP)		12851.5	308111.8	4.2		16129.3	307682.8	5.2	B31.12-IP-19
26(EXP)		9117.0	308111.8	3.0		11510.1	307682.8	3.7	B31.12-IP-19
27(EXP)		31814.3	308111.8	10.3		39652.9	307682.8	12.9	B31.12-IP-19
28(EXP)		44662.2	308111.8	14.5		55780.8	307682.8	18.1	B31.12-IP-19
42(OCC)		34759.5	183400.5	19.0		35038.0	183400.5	19.1	B31.12-IP-19
43(OCC)		34799.0	183400.5	19.0		34987.5	183400.5	19.1	B31.12-IP-19
44(OCC)		34847.3	183400.5	19.0		35057.7	183400.5	19.1	B31.12-IP-19
45(OCC)		34861.7	183400.5	19.0		35023.9	183400.5	19.1	B31.12-IP-19
46(OCC)		34656.3	183400.5	18.9		34909.3	183400.5	19.0	B31.12-IP-19
47(OCC)		37208.7	183400.5	20.3		38152.5	183400.5	20.8	B31.12-IP-19
48(OCC)		37643.6	183400.5	20.5		38264.6	183400.5	20.9	B31.12-IP-19
49(OCC)		35437.8	183400.5	19.3		35644.5	183400.5	19.4	B31.12-IP-19
50(OCC)		37775.3	183400.5	20.6		37663.2	183400.5	20.5	B31.12-IP-19
51(OCC)		37180.8	183400.5	20.3		38341.6	183400.5	20.9	B31.12-IP-19
52(OCC)		37915.7	183400.5	20.7		38413.1	183400.5	20.9	B31.12-IP-19
53(OCC)		34891.0	183400.5	19.0		35246.2	183400.5	19.2	B31.12-IP-19
54(OCC)		35207.4	183400.5	19.2		35305.0	183400.5	19.3	B31.12-IP-19
2(Alt-SUS)	2080	36022.5	137895.1	26.1	2090	43833.2	137895.1	31.8	B31.12-IP-19
4(Alt-SUS)		34977.9	137895.1	25.4		38225.3	137895.1	27.7	B31.12-IP-19
6(Alt-SUS)		34695.5	137895.1	25.2		36322.2	137895.1	26.3	B31.12-IP-19
8(Alt-SUS)		34713.0	137895.1	25.2		36331.8	137895.1	26.3	B31.12-IP-19
14(SUS)		34703.1	137895.1	25.2		36351.1	137895.1	26.4	B31.12-IP-19
24(EXP)		28444.8	308715.3	9.2		54641.8	300904.6	18.2	B31.12-IP-19
25(EXP)		8537.3	308715.3	2.8		14923.0	300904.6	5.0	B31.12-IP-19
26(EXP)		6115.5	308715.3	2.0		10974.0	300904.6	3.6	B31.12-IP-19
27(EXP)		20724.6	308715.3	6.7		36934.7	300904.6	12.3	B31.12-IP-19
28(EXP)		29260.6	308715.3	9.5		51851.2	300904.6	17.2	B31.12-IP-19
42(OCC)		34853.0	183400.5	19.0		36826.0	183400.5	20.1	B31.12-IP-19
43(OCC)		34854.6	183400.5	19.0		36823.4	183400.5	20.1	B31.12-IP-19
44(OCC)		34874.3	183400.5	19.0		37370.4	183400.5	20.4	B31.12-IP-19
45(OCC)		34859.0	183400.5	19.0		37322.4	183400.5	20.4	B31.12-IP-19
46(OCC)		34771.6	183400.5	19.0		36640.3	183400.5	20.0	B31.12-IP-19
47(OCC)		36606.2	183400.5	20.0		38258.1	183400.5	20.9	B31.12-IP-19
48(OCC)		36778.8	183400.5	20.1		38161.2	183400.5	20.8	B31.12-IP-19
49(OCC)		35462.2	183400.5	19.3		38453.3	183400.5	21.0	B31.12-IP-19
50(OCC)		37494.8	183400.5	20.4		42357.1	183400.5	23.1	B31.12-IP-19
51(OCC)		36702.4	183400.5	20.0		38001.0	183400.5	20.7	B31.12-IP-19
52(OCC)		36846.7	183400.5	20.1		39700.6	183400.5	21.6	B31.12-IP-19
53(OCC)		34958.2	183400.5	19.1		37508.0	183400.5	20.5	B31.12-IP-19
54(OCC)		35116.2	183400.5	19.1		39334.4	183400.5	21.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	2090	43695.5	137895.1	31.7	2100	49709.1	137895.1	36.0	B31.12-IP-19
4(Alt-SUS)		38226.6	137895.1	27.7		35101.7	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		36326.3	137895.1	26.3		37980.5	137895.1	27.5	B31.12-IP-19
8(Alt-SUS)		36336.8	137895.1	26.4		37861.7	137895.1	27.5	B31.12-IP-19
14(SUS)		36366.3	137895.1	26.4		38012.1	137895.1	27.6	B31.12-IP-19
24(EXP)		54641.8	301042.3	18.2		122876.4	295028.8	41.6	B31.12-IP-19
25(EXP)		14923.0	301042.3	5.0		37549.9	295028.8	12.7	B31.12-IP-19
26(EXP)		10974.0	301042.3	3.6		26413.8	295028.8	9.0	B31.12-IP-19
27(EXP)		36934.7	301042.3	12.3		93103.3	295028.8	31.6	B31.12-IP-19
28(EXP)		51851.2	301042.3	17.2		130635.0	295028.8	44.3	B31.12-IP-19
42(OCC)		36839.5	183400.5	20.1		38571.1	183400.5	21.0	B31.12-IP-19
43(OCC)		36855.0	183400.5	20.1		39006.8	183400.5	21.3	B31.12-IP-19
44(OCC)		37408.0	183400.5	20.4		39264.3	183400.5	21.4	B31.12-IP-19
45(OCC)		37349.7	183400.5	20.4		39184.7	183400.5	21.4	B31.12-IP-19
46(OCC)		36659.6	183400.5	20.0		38512.4	183400.5	21.0	B31.12-IP-19
47(OCC)		38379.7	183400.5	20.9		38932.1	183400.5	21.2	B31.12-IP-19
48(OCC)		38261.0	183400.5	20.9		45334.9	183400.5	24.7	B31.12-IP-19
49(OCC)		38538.4	183400.5	21.0		43509.8	183400.5	23.7	B31.12-IP-19
50(OCC)		42415.2	183400.5	23.1		47175.4	183400.5	25.7	B31.12-IP-19
51(OCC)		38089.5	183400.5	20.8		42106.6	183400.5	23.0	B31.12-IP-19
52(OCC)		39784.2	183400.5	21.7		41927.3	183400.5	22.9	B31.12-IP-19
53(OCC)		37561.5	183400.5	20.5		41209.4	183400.5	22.5	B31.12-IP-19
54(OCC)		39382.5	183400.5	21.5		40666.3	183400.5	22.2	B31.12-IP-19
2(Alt-SUS)	2100	36754.6	137895.1	26.7	2108	36145.4	137895.1	26.2	B31.12-IP-19
4(Alt-SUS)		38589.1	137895.1	28.0		34994.5	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		40921.8	137895.1	29.7		35736.7	137895.1	25.9	B31.12-IP-19
8(Alt-SUS)		40840.4	137895.1	29.6		35729.4	137895.1	25.9	B31.12-IP-19
14(SUS)		40885.0	137895.1	29.6		35723.2	137895.1	25.9	B31.12-IP-19
24(EXP)		32006.3	303816.0	10.5		11202.6	308592.4	3.6	B31.12-IP-19
25(EXP)		10309.5	303816.0	3.4		3429.8	308592.4	1.1	B31.12-IP-19
26(EXP)		6989.3	303816.0	2.3		2233.7	308592.4	0.7	B31.12-IP-19
27(EXP)		25063.1	303816.0	8.2		7839.6	308592.4	2.5	B31.12-IP-19
28(EXP)		35268.5	303816.0	11.6		11062.9	308592.4	3.6	B31.12-IP-19
42(OCC)		41378.0	183400.5	22.6		35943.0	183400.5	19.6	B31.12-IP-19
43(OCC)		41311.5	183400.5	22.5		35913.7	183400.5	19.6	B31.12-IP-19
44(OCC)		41726.0	183400.5	22.8		36137.5	183400.5	19.7	B31.12-IP-19
45(OCC)		41634.0	183400.5	22.7		36036.7	183400.5	19.6	B31.12-IP-19
46(OCC)		41195.2	183400.5	22.5		35858.9	183400.5	19.6	B31.12-IP-19
47(OCC)		47578.1	183400.5	25.9		38696.4	183400.5	21.1	B31.12-IP-19
48(OCC)		43577.7	183400.5	23.8		37386.0	183400.5	20.4	B31.12-IP-19
49(OCC)		46830.4	183400.5	25.5		39224.1	183400.5	21.4	B31.12-IP-19
50(OCC)		51408.3	183400.5	28.0		42473.9	183400.5	23.2	B31.12-IP-19
51(OCC)		42503.6	183400.5	23.2		37998.4	183400.5	20.7	B31.12-IP-19
52(OCC)		46011.9	183400.5	25.1		38089.7	183400.5	20.8	B31.12-IP-19
53(OCC)		44644.3	183400.5	24.3		36742.5	183400.5	20.0	B31.12-IP-19
54(OCC)		43928.1	183400.5	24.0		36179.9	183400.5	19.7	B31.12-IP-19
2(Alt-SUS)	2108	37171.3	137895.1	27.0	2109	39379.8	137895.1	28.6	B31.12-IP-19
4(Alt-SUS)		35314.7	137895.1	25.6		37234.2	137895.1	27.0	B31.12-IP-19
6(Alt-SUS)		36560.5	137895.1	26.5		36348.7	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		36549.6	137895.1	26.5		36482.0	137895.1	26.5	B31.12-IP-19
14(SUS)		36533.8	137895.1	26.5		36347.1	137895.1	26.4	B31.12-IP-19
24(EXP)		28158.3	307566.5	9.2		27517.1	305358.0	9.0	B31.12-IP-19
25(EXP)		7714.6	307566.5	2.5		7582.1	305358.0	2.5	B31.12-IP-19
26(EXP)		5314.0	307566.5	1.7		4972.1	305358.0	1.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		19494.7	307566.5	6.3		17632.7	305358.0	5.8	B31.12-IP-19
28(EXP)		27118.4	307566.5	8.8		25043.0	305358.0	8.2	B31.12-IP-19
42(OCC)		36898.0	183400.5	20.1		36651.5	183400.5	20.0	B31.12-IP-19
43(OCC)		36830.3	183400.5	20.1		36508.6	183400.5	19.9	B31.12-IP-19
44(OCC)		37129.9	183400.5	20.2		37101.7	183400.5	20.2	B31.12-IP-19
45(OCC)		36996.3	183400.5	20.2		36995.9	183400.5	20.2	B31.12-IP-19
46(OCC)		36722.9	183400.5	20.0		36480.2	183400.5	19.9	B31.12-IP-19
47(OCC)		41207.7	183400.5	22.5		39207.1	183400.5	21.4	B31.12-IP-19
48(OCC)		38445.1	183400.5	21.0		39554.0	183400.5	21.6	B31.12-IP-19
49(OCC)		40103.6	183400.5	21.9		40237.4	183400.5	21.9	B31.12-IP-19
50(OCC)		44231.6	183400.5	24.1		45169.3	183400.5	24.6	B31.12-IP-19
51(OCC)		39624.3	183400.5	21.6		40440.8	183400.5	22.1	B31.12-IP-19
52(OCC)		40149.3	183400.5	21.9		38488.5	183400.5	21.0	B31.12-IP-19
53(OCC)		37931.6	183400.5	20.7		38673.0	183400.5	21.1	B31.12-IP-19
54(OCC)		37154.7	183400.5	20.3		38167.8	183400.5	20.8	B31.12-IP-19
2(Alt-SUS)	2109	39379.8	137895.1	28.6	2110	38804.4	137895.1	28.1	B31.12-IP-19
4(Alt-SUS)		37234.2	137895.1	27.0		39118.4	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		36348.7	137895.1	26.4		39114.1	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		36482.0	137895.1	26.5		39295.3	137895.1	28.5	B31.12-IP-19
14(SUS)		36347.1	137895.1	26.4		39078.7	137895.1	28.3	B31.12-IP-19
24(EXP)		27517.1	305358.0	9.0		23308.1	305442.6	7.6	B31.12-IP-19
25(EXP)		7582.1	305358.0	2.5		4462.0	305442.6	1.5	B31.12-IP-19
26(EXP)		4972.1	305358.0	1.6		3266.1	305442.6	1.1	B31.12-IP-19
27(EXP)		17632.7	305358.0	5.8		14559.0	305442.6	4.8	B31.12-IP-19
28(EXP)		25043.0	305358.0	8.2		18765.4	305442.6	6.1	B31.12-IP-19
42(OCC)		36651.5	183400.5	20.0		39485.7	183400.5	21.5	B31.12-IP-19
43(OCC)		36508.6	183400.5	19.9		39341.2	183400.5	21.5	B31.12-IP-19
44(OCC)		37101.7	183400.5	20.2		39985.9	183400.5	21.8	B31.12-IP-19
45(OCC)		36995.9	183400.5	20.2		39872.9	183400.5	21.7	B31.12-IP-19
46(OCC)		36480.2	183400.5	19.9		39129.8	183400.5	21.3	B31.12-IP-19
47(OCC)		39207.1	183400.5	21.4		44810.4	183400.5	24.4	B31.12-IP-19
48(OCC)		39554.0	183400.5	21.6		44065.8	183400.5	24.0	B31.12-IP-19
49(OCC)		40237.4	183400.5	21.9		42781.7	183400.5	23.3	B31.12-IP-19
50(OCC)		45169.3	183400.5	24.6		52332.2	183400.5	28.5	B31.12-IP-19
51(OCC)		40440.8	183400.5	22.1		44819.5	183400.5	24.4	B31.12-IP-19
52(OCC)		38488.5	183400.5	21.0		43742.0	183400.5	23.9	B31.12-IP-19
53(OCC)		38673.0	183400.5	21.1		43177.0	183400.5	23.5	B31.12-IP-19
54(OCC)		38167.8	183400.5	20.8		41692.6	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	2110	37101.9	137895.1	26.9	2120	37120.6	137895.1	26.9	B31.12-IP-19
4(Alt-SUS)		37287.3	137895.1	27.0		37407.4	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37287.4	137895.1	27.0		37445.6	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		37391.8	137895.1	27.1		37547.3	137895.1	27.2	B31.12-IP-19
14(SUS)		37267.5	137895.1	27.0		37425.4	137895.1	27.1	B31.12-IP-19
24(EXP)		10111.5	307346.1	3.3		10264.1	307190.5	3.3	B31.12-IP-19
25(EXP)		1956.4	307346.1	0.6		1965.1	307190.5	0.6	B31.12-IP-19
26(EXP)		1432.5	307346.1	0.5		1460.6	307190.5	0.5	B31.12-IP-19
27(EXP)		6328.8	307346.1	2.1		6479.5	307190.5	2.1	B31.12-IP-19
28(EXP)		8141.9	307346.1	2.6		8319.2	307190.5	2.7	B31.12-IP-19
42(OCC)		37513.1	183400.5	20.5		37673.3	183400.5	20.5	B31.12-IP-19
43(OCC)		37443.9	183400.5	20.4		37604.8	183400.5	20.5	B31.12-IP-19
44(OCC)		37830.0	183400.5	20.6		37984.7	183400.5	20.7	B31.12-IP-19
45(OCC)		37743.8	183400.5	20.6		37899.2	183400.5	20.7	B31.12-IP-19
46(OCC)		37295.3	183400.5	20.3		37453.1	183400.5	20.4	B31.12-IP-19
47(OCC)		40555.1	183400.5	22.1		40806.0	183400.5	22.2	B31.12-IP-19
48(OCC)		40875.8	183400.5	22.3		41111.0	183400.5	22.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		40038.1	183400.5	21.8		40131.3	183400.5	21.9	B31.12-IP-19
50(OCC)		45373.9	183400.5	24.7		45576.1	183400.5	24.9	B31.12-IP-19
51(OCC)		41369.7	183400.5	22.6		41582.4	183400.5	22.7	B31.12-IP-19
52(OCC)		39921.6	183400.5	21.8		40164.7	183400.5	21.9	B31.12-IP-19
53(OCC)		39821.1	183400.5	21.7		40038.6	183400.5	21.8	B31.12-IP-19
54(OCC)		39029.5	183400.5	21.3		39213.2	183400.5	21.4	B31.12-IP-19
2(Alt-SUS)	2120	0.0	0.0	0.0	2130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2130	0.0	0.0	0.0	2140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2140	0.0	0.0	0.0	2150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2150	54030.9	137895.1	39.2	2160	57256.5	137895.1	41.5	B31.12-IP-19
4(Alt-SUS)		44240.4	137895.1	32.1		46799.1	137895.1	33.9	B31.12-IP-19
6(Alt-SUS)		40683.4	137895.1	29.5		42990.8	137895.1	31.2	B31.12-IP-19
8(Alt-SUS)		40816.3	137895.1	29.6		43141.7	137895.1	31.3	B31.12-IP-19
14(SUS)		40742.3	137895.1	29.5		43052.2	137895.1	31.2	B31.12-IP-19
24(EXP)		66150.1	290706.9	22.8		70556.0	287481.3	24.5	B31.12-IP-19
25(EXP)		19519.9	290706.9	6.7		20878.1	287481.3	7.3	B31.12-IP-19
26(EXP)		13445.1	290706.9	4.6		14363.4	287481.3	5.0	B31.12-IP-19
27(EXP)		47222.9	290706.9	16.2		50361.4	287481.3	17.5	B31.12-IP-19
28(EXP)		66736.9	290706.9	23.0		71232.9	287481.3	24.8	B31.12-IP-19
42(OCC)		41565.4	183400.5	22.7		43953.6	183400.5	24.0	B31.12-IP-19
43(OCC)		41314.8	183400.5	22.5		43673.8	183400.5	23.8	B31.12-IP-19
44(OCC)		41566.4	183400.5	22.7		43920.9	183400.5	23.9	B31.12-IP-19
45(OCC)		41507.6	183400.5	22.6		43859.3	183400.5	23.9	B31.12-IP-19
46(OCC)		41200.0	183400.5	22.5		43541.9	183400.5	23.7	B31.12-IP-19
47(OCC)		48822.2	183400.5	26.6		53320.0	183400.5	29.1	B31.12-IP-19
48(OCC)		47958.7	183400.5	26.1		51950.0	183400.5	28.3	B31.12-IP-19
49(OCC)		45256.5	183400.5	24.7		48379.4	183400.5	26.4	B31.12-IP-19
50(OCC)		44478.7	183400.5	24.3		47115.3	183400.5	25.7	B31.12-IP-19
51(OCC)		49116.8	183400.5	26.8		53384.5	183400.5	29.1	B31.12-IP-19
52(OCC)		49876.5	183400.5	27.2		54436.3	183400.5	29.7	B31.12-IP-19
53(OCC)		45537.5	183400.5	24.8		49052.0	183400.5	26.7	B31.12-IP-19
54(OCC)		47905.5	183400.5	26.1		51502.9	183400.5	28.1	B31.12-IP-19
2(Alt-SUS)	2160	57248.8	137895.1	41.5	2170	70261.8	137895.1	51.0	B31.12-IP-19
4(Alt-SUS)		46790.4	137895.1	33.9		52234.4	137895.1	37.9	B31.12-IP-19
6(Alt-SUS)		42981.8	137895.1	31.2		45655.6	137895.1	33.1	B31.12-IP-19
8(Alt-SUS)		43138.1	137895.1	31.3		45930.8	137895.1	33.3	B31.12-IP-19
14(SUS)		43034.4	137895.1	31.2		45746.5	137895.1	33.2	B31.12-IP-19
24(EXP)		70556.0	287489.0	24.5		126155.1	274476.1	46.0	B31.12-IP-19
25(EXP)		20878.1	287489.0	7.3		39546.1	274476.1	14.4	B31.12-IP-19
26(EXP)		14363.4	287489.0	5.0		26666.2	274476.1	9.7	B31.12-IP-19
27(EXP)		50361.4	287489.0	17.5		93949.7	274476.1	34.2	B31.12-IP-19
28(EXP)		71232.9	287489.0	24.8		133492.1	274476.1	48.6	B31.12-IP-19
42(OCC)		43950.9	183400.5	24.0		47043.9	183400.5	25.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		43764.9	183400.5	23.9		46777.6	183400.5	25.5	B31.12-IP-19
44(OCC)		43927.7	183400.5	24.0		46844.7	183400.5	25.5	B31.12-IP-19
45(OCC)		43957.8	183400.5	24.0		46929.9	183400.5	25.6	B31.12-IP-19
46(OCC)		43521.2	183400.5	23.7		46580.7	183400.5	25.4	B31.12-IP-19
47(OCC)		53464.8	183400.5	29.2		59128.0	183400.5	32.2	B31.12-IP-19
48(OCC)		52514.8	183400.5	28.6		56072.4	183400.5	30.6	B31.12-IP-19
49(OCC)		52132.5	183400.5	28.4		53651.2	183400.5	29.3	B31.12-IP-19
50(OCC)		48804.4	183400.5	26.6		53840.5	183400.5	29.4	B31.12-IP-19
51(OCC)		55311.0	183400.5	30.2		60455.1	183400.5	33.0	B31.12-IP-19
52(OCC)		56739.5	183400.5	30.9		62778.9	183400.5	34.2	B31.12-IP-19
53(OCC)		51087.8	183400.5	27.9		58692.6	183400.5	32.0	B31.12-IP-19
54(OCC)		55477.8	183400.5	30.2		58398.9	183400.5	31.8	B31.12-IP-19
2(Alt-SUS)	2170	70172.1	137895.1	50.9	2180	46620.1	137895.1	33.8	B31.12-IP-19
4(Alt-SUS)		52253.2	137895.1	37.9		39971.9	137895.1	29.0	B31.12-IP-19
6(Alt-SUS)		45713.3	137895.1	33.2		37560.9	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		45990.4	137895.1	33.4		37661.8	137895.1	27.3	B31.12-IP-19
14(SUS)		45802.1	137895.1	33.2		37588.7	137895.1	27.3	B31.12-IP-19
24(EXP)		137538.5	274565.8	50.1		43086.0	298117.8	14.5	B31.12-IP-19
25(EXP)		42164.6	274565.8	15.4		12832.0	298117.8	4.3	B31.12-IP-19
26(EXP)		28653.1	274565.8	10.4		8750.0	298117.8	2.9	B31.12-IP-19
27(EXP)		100767.3	274565.8	36.7		30805.7	298117.8	10.3	B31.12-IP-19
28(EXP)		142925.3	274565.8	52.1		43632.9	298117.8	14.6	B31.12-IP-19
42(OCC)		47087.8	183400.5	25.7		38079.5	183400.5	20.8	B31.12-IP-19
43(OCC)		46826.1	183400.5	25.5		38039.2	183400.5	20.7	B31.12-IP-19
44(OCC)		46844.4	183400.5	25.5		38046.5	183400.5	20.7	B31.12-IP-19
45(OCC)		46925.4	183400.5	25.6		38077.6	183400.5	20.8	B31.12-IP-19
46(OCC)		46630.5	183400.5	25.4		37897.2	183400.5	20.7	B31.12-IP-19
47(OCC)		57769.9	183400.5	31.5		42630.3	183400.5	23.2	B31.12-IP-19
48(OCC)		56206.7	183400.5	30.6		43049.9	183400.5	23.5	B31.12-IP-19
49(OCC)		52515.9	183400.5	28.6		45259.5	183400.5	24.7	B31.12-IP-19
50(OCC)		53361.4	183400.5	29.1		43373.3	183400.5	23.6	B31.12-IP-19
51(OCC)		58697.1	183400.5	32.0		44435.8	183400.5	24.2	B31.12-IP-19
52(OCC)		62570.3	183400.5	34.1		45290.8	183400.5	24.7	B31.12-IP-19
53(OCC)		58881.2	183400.5	32.1		45447.9	183400.5	24.8	B31.12-IP-19
54(OCC)		57871.0	183400.5	31.6		43632.1	183400.5	23.8	B31.12-IP-19
2(Alt-SUS)	2180	0.0	0.0	0.0	2190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2190	0.0	0.0	0.0	2200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2200	0.0	0.0	0.0	2210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2210	0.0	0.0	0.0	2220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2200	0.0	0.0	0.0	2230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2100	47039.7	137895.1	34.1	2240	35992.8	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		34173.4	137895.1	24.8		30935.1	137895.1	22.4	B31.12-IP-19
6(Alt-SUS)		32237.2	137895.1	23.4		29933.7	137895.1	21.7	B31.12-IP-19
8(Alt-SUS)		32049.2	137895.1	23.2		29883.7	137895.1	21.7	B31.12-IP-19
14(SUS)		32173.8	137895.1	23.3		29899.7	137895.1	21.7	B31.12-IP-19
24(EXP)		161541.4	297698.1	54.3		58730.2	308745.0	19.0	B31.12-IP-19
25(EXP)		54832.6	297698.1	18.4		18820.1	308745.0	6.1	B31.12-IP-19
26(EXP)		37705.4	297698.1	12.7		13084.3	308745.0	4.2	B31.12-IP-19
27(EXP)		124883.4	297698.1	41.9		43701.1	308745.0	14.2	B31.12-IP-19
28(EXP)		179436.0	297698.1	60.3		62438.1	308745.0	20.2	B31.12-IP-19
42(OCC)		32880.4	183400.5	17.9		30280.1	183400.5	16.5	B31.12-IP-19
43(OCC)		33336.5	183400.5	18.2		30539.7	183400.5	16.7	B31.12-IP-19
44(OCC)		33687.3	183400.5	18.4		30577.0	183400.5	16.7	B31.12-IP-19
45(OCC)		33402.7	183400.5	18.2		30466.3	183400.5	16.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		32580.4	183400.5	17.8		30148.2	183400.5	16.4	B31.12-IP-19
47(OCC)		43549.3	183400.5	23.7		36270.6	183400.5	19.8	B31.12-IP-19
48(OCC)		41311.8	183400.5	22.5		35201.3	183400.5	19.2	B31.12-IP-19
49(OCC)		47868.4	183400.5	26.1		35713.7	183400.5	19.5	B31.12-IP-19
50(OCC)		64967.1	183400.5	35.4		42757.0	183400.5	23.3	B31.12-IP-19
51(OCC)		40227.1	183400.5	21.9		34161.4	183400.5	18.6	B31.12-IP-19
52(OCC)		45268.7	183400.5	24.7		37126.6	183400.5	20.2	B31.12-IP-19
53(OCC)		36976.4	183400.5	20.2		32273.2	183400.5	17.6	B31.12-IP-19
54(OCC)		36648.3	183400.5	20.0		32082.4	183400.5	17.5	B31.12-IP-19
2(Alt-SUS)	2240	35992.8	137895.1	26.1	2250	38307.9	137895.1	27.8	B31.12-IP-19
4(Alt-SUS)		30935.1	137895.1	22.4		24893.0	137895.1	18.1	B31.12-IP-19
6(Alt-SUS)		29933.7	137895.1	21.7		20963.2	137895.1	15.2	B31.12-IP-19
8(Alt-SUS)		29883.7	137895.1	21.7		20892.0	137895.1	15.2	B31.12-IP-19
14(SUS)		29899.7	137895.1	21.7		20890.1	137895.1	15.1	B31.12-IP-19
24(EXP)		58730.2	308745.0	19.0		163130.7	306429.9	53.2	B31.12-IP-19
25(EXP)		18820.1	308745.0	6.1		50892.7	306429.9	16.6	B31.12-IP-19
26(EXP)		13084.3	308745.0	4.2		35443.1	306429.9	11.6	B31.12-IP-19
27(EXP)		43701.1	308745.0	14.2		117705.7	306429.9	38.4	B31.12-IP-19
28(EXP)		62438.1	308745.0	20.2		168375.4	306429.9	54.9	B31.12-IP-19
42(OCC)		30280.1	183400.5	16.5		21917.9	183400.5	12.0	B31.12-IP-19
43(OCC)		30539.7	183400.5	16.7		22715.1	183400.5	12.4	B31.12-IP-19
44(OCC)		30577.0	183400.5	16.7		22653.9	183400.5	12.4	B31.12-IP-19
45(OCC)		30466.3	183400.5	16.6		22380.7	183400.5	12.2	B31.12-IP-19
46(OCC)		30148.2	183400.5	16.4		21606.4	183400.5	11.8	B31.12-IP-19
47(OCC)		36270.6	183400.5	19.8		40435.1	183400.5	22.0	B31.12-IP-19
48(OCC)		35201.3	183400.5	19.2		35786.3	183400.5	19.5	B31.12-IP-19
49(OCC)		35713.7	183400.5	19.5		33234.6	183400.5	18.1	B31.12-IP-19
50(OCC)		42757.0	183400.5	23.3		52379.3	183400.5	28.6	B31.12-IP-19
51(OCC)		34161.4	183400.5	18.6		32579.5	183400.5	17.8	B31.12-IP-19
52(OCC)		37126.6	183400.5	20.2		43385.8	183400.5	23.7	B31.12-IP-19
53(OCC)		32273.2	183400.5	17.6		28555.9	183400.5	15.6	B31.12-IP-19
54(OCC)		32082.4	183400.5	17.5		28371.6	183400.5	15.5	B31.12-IP-19
2(Alt-SUS)	2250	0.0	0.0	0.0	2260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	2260	0.0	0.0	0.0	2270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2270	0.0	0.0	0.0	2280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2280	16254.0	137895.1	11.8	2290	14421.4	137895.1	10.5	B31.12-IP-19
4(Alt-SUS)		27005.8	137895.1	19.6		47424.4	137895.1	34.4	B31.12-IP-19
6(Alt-SUS)		22840.6	137895.1	16.6		36626.3	137895.1	26.6	B31.12-IP-19
8(Alt-SUS)		22945.4	137895.1	16.6		36929.6	137895.1	26.8	B31.12-IP-19
14(SUS)		22980.9	137895.1	16.7		37056.5	137895.1	26.9	B31.12-IP-19
24(EXP)		61696.6	317732.1	19.4		142618.1	297313.4	48.0	B31.12-IP-19
25(EXP)		16388.6	317732.1	5.2		44388.8	297313.4	14.9	B31.12-IP-19
26(EXP)		13301.8	317732.1	4.2		35907.8	297313.4	12.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		41421.7	317732.1	13.0		115394.7	297313.4	38.8	B31.12-IP-19
28(EXP)		57778.4	317732.1	18.2		159776.8	297313.4	53.7	B31.12-IP-19
42(OCC)		24506.0	183400.5	13.4		41280.2	183400.5	22.5	B31.12-IP-19
43(OCC)		24176.9	183400.5	13.2		39903.0	183400.5	21.8	B31.12-IP-19
44(OCC)		24898.3	183400.5	13.6		42038.4	183400.5	22.9	B31.12-IP-19
45(OCC)		24664.7	183400.5	13.4		41344.5	183400.5	22.5	B31.12-IP-19
46(OCC)		23736.5	183400.5	12.9		38860.0	183400.5	21.2	B31.12-IP-19
47(OCC)		26732.5	183400.5	14.6		41689.6	183400.5	22.7	B31.12-IP-19
48(OCC)		29355.5	183400.5	16.0		61523.3	183400.5	33.5	B31.12-IP-19
49(OCC)		30416.8	183400.5	16.6		54777.0	183400.5	29.9	B31.12-IP-19
50(OCC)		28291.3	183400.5	15.4		48822.6	183400.5	26.6	B31.12-IP-19
51(OCC)		32519.8	183400.5	17.7		70432.7	183400.5	38.4	B31.12-IP-19
52(OCC)		29338.3	183400.5	16.0		43746.6	183400.5	23.9	B31.12-IP-19
53(OCC)		32812.0	183400.5	17.9		58122.7	183400.5	31.7	B31.12-IP-19
54(OCC)		32644.2	183400.5	17.8		58607.6	183400.5	32.0	B31.12-IP-19
2(Alt-SUS)	2290	0.0	0.0	0.0	2300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2300	0.0	0.0	0.0	2310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2310	0.0	0.0	0.0	2320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2170	25663.4	137895.1	18.6	2330	21669.3	137895.1	15.7	B31.12-IP-19
4(Alt-SUS)		24944.6	137895.1	18.1		21339.7	137895.1	15.5	B31.12-IP-19
6(Alt-SUS)		24646.8	137895.1	17.9		21208.8	137895.1	15.4	B31.12-IP-19
8(Alt-SUS)		24557.0	137895.1	17.8		21167.8	137895.1	15.4	B31.12-IP-19
14(SUS)		24697.2	137895.1	17.9		21232.7	137895.1	15.4	B31.12-IP-19
24(EXP)		82591.6	319074.4	25.9		27082.6	323068.5	8.4	B31.12-IP-19
25(EXP)		22807.9	319074.4	7.1		7482.2	323068.5	2.3	B31.12-IP-19
26(EXP)		16444.3	319074.4	5.2		5396.0	323068.5	1.7	B31.12-IP-19
27(EXP)		58033.1	319074.4	18.2		19069.4	323068.5	5.9	B31.12-IP-19
28(EXP)		80820.6	319074.4	25.3		26544.3	323068.5	8.2	B31.12-IP-19
42(OCC)		24806.3	183400.5	13.5		21290.9	183400.5	11.6	B31.12-IP-19
43(OCC)		24846.8	183400.5	13.5		21304.5	183400.5	11.6	B31.12-IP-19
44(OCC)		25280.7	183400.5	13.8		21467.3	183400.5	11.7	B31.12-IP-19
45(OCC)		25121.0	183400.5	13.7		21371.3	183400.5	11.7	B31.12-IP-19
46(OCC)		24744.5	183400.5	13.5		21256.5	183400.5	11.6	B31.12-IP-19
47(OCC)		39437.2	183400.5	21.5		28174.0	183400.5	15.4	B31.12-IP-19
48(OCC)		31657.7	183400.5	17.3		24816.4	183400.5	13.5	B31.12-IP-19
49(OCC)		30346.9	183400.5	16.5		23814.8	183400.5	13.0	B31.12-IP-19
50(OCC)		29995.0	183400.5	16.4		23940.1	183400.5	13.1	B31.12-IP-19
51(OCC)		36027.0	183400.5	19.6		27066.3	183400.5	14.8	B31.12-IP-19
52(OCC)		37488.5	183400.5	20.4		27145.2	183400.5	14.8	B31.12-IP-19
53(OCC)		27622.0	183400.5	15.1		22520.5	183400.5	12.3	B31.12-IP-19
54(OCC)		33571.0	183400.5	18.3		25643.7	183400.5	14.0	B31.12-IP-19
2(Alt-SUS)	2330	21669.3	137895.1	15.7	2338	19670.8	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		21339.7	137895.1	15.5		19561.2	137895.1	14.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		21208.8	137895.1	15.4		19535.9	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21167.8	137895.1	15.4		19540.9	137895.1	14.2	B31.12-IP-19
14(SUS)		21232.7	137895.1	15.4		19535.4	137895.1	14.2	B31.12-IP-19
24(EXP)		27082.6	323068.5	8.4		43514.3	325067.1	13.4	B31.12-IP-19
25(EXP)		7482.2	323068.5	2.3		12093.2	325067.1	3.7	B31.12-IP-19
26(EXP)		5396.0	323068.5	1.7		8706.4	325067.1	2.7	B31.12-IP-19
27(EXP)		19069.4	323068.5	5.9		30424.0	325067.1	9.4	B31.12-IP-19
28(EXP)		26544.3	323068.5	8.2		42517.1	325067.1	13.1	B31.12-IP-19
42(OCC)		21290.9	183400.5	11.6		19564.3	183400.5	10.7	B31.12-IP-19
43(OCC)		21304.5	183400.5	11.6		19554.3	183400.5	10.7	B31.12-IP-19
44(OCC)		21467.3	183400.5	11.7		19605.5	183400.5	10.7	B31.12-IP-19
45(OCC)		21371.3	183400.5	11.7		19587.6	183400.5	10.7	B31.12-IP-19
46(OCC)		21256.5	183400.5	11.6		19547.9	183400.5	10.7	B31.12-IP-19
47(OCC)		28174.0	183400.5	15.4		20564.7	183400.5	11.2	B31.12-IP-19
48(OCC)		24816.4	183400.5	13.5		21154.0	183400.5	11.5	B31.12-IP-19
49(OCC)		23814.8	183400.5	13.0		20540.8	183400.5	11.2	B31.12-IP-19
50(OCC)		23940.1	183400.5	13.1		20536.4	183400.5	11.2	B31.12-IP-19
51(OCC)		27066.3	183400.5	14.8		21198.6	183400.5	11.6	B31.12-IP-19
52(OCC)		27145.2	183400.5	14.8		20690.7	183400.5	11.3	B31.12-IP-19
53(OCC)		22520.5	183400.5	12.3		19863.2	183400.5	10.8	B31.12-IP-19
54(OCC)		25643.7	183400.5	14.0		21311.7	183400.5	11.6	B31.12-IP-19
2(Alt-SUS)	2338	19950.2	137895.1	14.5	2339	19869.7	137895.1	14.4	B31.12-IP-19
4(Alt-SUS)		19807.6	137895.1	14.4		19916.6	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19774.1	137895.1	14.3		19945.0	137895.1	14.5	B31.12-IP-19
8(Alt-SUS)		19780.8	137895.1	14.3		19946.2	137895.1	14.5	B31.12-IP-19
14(SUS)		19772.8	137895.1	14.3		19943.4	137895.1	14.5	B31.12-IP-19
24(EXP)		93278.5	324787.7	28.7		80597.2	324791.7	24.8	B31.12-IP-19
25(EXP)		25925.9	324787.7	8.0		22431.0	324791.7	6.9	B31.12-IP-19
26(EXP)		18666.2	324787.7	5.7		16151.4	324791.7	5.0	B31.12-IP-19
27(EXP)		65220.6	324787.7	20.1		56454.1	324791.7	17.4	B31.12-IP-19
28(EXP)		91146.4	324787.7	28.1		78885.1	324791.7	24.3	B31.12-IP-19
42(OCC)		19815.9	183400.5	10.8		19975.7	183400.5	10.9	B31.12-IP-19
43(OCC)		19798.2	183400.5	10.8		19960.5	183400.5	10.9	B31.12-IP-19
44(OCC)		19863.9	183400.5	10.8		20064.7	183400.5	10.9	B31.12-IP-19
45(OCC)		19839.5	183400.5	10.8		20051.4	183400.5	10.9	B31.12-IP-19
46(OCC)		19787.4	183400.5	10.8		19955.9	183400.5	10.9	B31.12-IP-19
47(OCC)		21041.0	183400.5	11.5		21780.4	183400.5	11.9	B31.12-IP-19
48(OCC)		21788.3	183400.5	11.9		21524.6	183400.5	11.7	B31.12-IP-19
49(OCC)		21197.6	183400.5	11.6		21505.6	183400.5	11.7	B31.12-IP-19
50(OCC)		21133.7	183400.5	11.5		21483.0	183400.5	11.7	B31.12-IP-19
51(OCC)		22002.8	183400.5	12.0		22898.9	183400.5	12.5	B31.12-IP-19
52(OCC)		21224.7	183400.5	11.6		20743.9	183400.5	11.3	B31.12-IP-19
53(OCC)		20109.6	183400.5	11.0		20409.6	183400.5	11.1	B31.12-IP-19
54(OCC)		22423.6	183400.5	12.2		22917.9	183400.5	12.5	B31.12-IP-19
2(Alt-SUS)	2339	19869.7	137895.1	14.4	2340	19186.8	137895.1	13.9	B31.12-IP-19
4(Alt-SUS)		19916.6	137895.1	14.4		19384.6	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19945.0	137895.1	14.5		19459.3	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19946.2	137895.1	14.5		19454.2	137895.1	14.1	B31.12-IP-19
14(SUS)		19943.4	137895.1	14.5		19458.2	137895.1	14.1	B31.12-IP-19
24(EXP)		80597.2	324791.7	24.8		19976.7	325278.5	6.1	B31.12-IP-19
25(EXP)		22431.0	324791.7	6.9		5628.6	325278.5	1.7	B31.12-IP-19
26(EXP)		16151.4	324791.7	5.0		4049.7	325278.5	1.2	B31.12-IP-19
27(EXP)		56454.1	324791.7	17.4		14190.7	325278.5	4.4	B31.12-IP-19
28(EXP)		78885.1	324791.7	24.3		19819.2	325278.5	6.1	B31.12-IP-19
42(OCC)		19975.7	183400.5	10.9		19483.7	183400.5	10.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		19960.5	183400.5	10.9		19485.8	183400.5	10.6	B31.12-IP-19
44(OCC)		20064.7	183400.5	10.9		19562.9	183400.5	10.7	B31.12-IP-19
45(OCC)		20051.4	183400.5	10.9		19553.9	183400.5	10.7	B31.12-IP-19
46(OCC)		19955.9	183400.5	10.9		19469.8	183400.5	10.6	B31.12-IP-19
47(OCC)		21780.4	183400.5	11.9		22234.3	183400.5	12.1	B31.12-IP-19
48(OCC)		21524.6	183400.5	11.7		21021.1	183400.5	11.5	B31.12-IP-19
49(OCC)		21505.6	183400.5	11.7		20720.8	183400.5	11.3	B31.12-IP-19
50(OCC)		21483.0	183400.5	11.7		20599.9	183400.5	11.2	B31.12-IP-19
51(OCC)		22898.9	183400.5	12.5		22941.4	183400.5	12.5	B31.12-IP-19
52(OCC)		20743.9	183400.5	11.3		20844.3	183400.5	11.4	B31.12-IP-19
53(OCC)		20409.6	183400.5	11.1		20036.9	183400.5	10.9	B31.12-IP-19
54(OCC)		22917.9	183400.5	12.5		21604.3	183400.5	11.8	B31.12-IP-19
2(Alt-SUS)	2340	19105.7	137895.1	13.9	2345	19664.2	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		19252.9	137895.1	14.0		19675.3	137895.1	14.3	B31.12-IP-19
6(Alt-SUS)		19308.0	137895.1	14.0		19695.2	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19304.1	137895.1	14.0		19683.1	137895.1	14.3	B31.12-IP-19
14(SUS)		19307.2	137895.1	14.0		19698.8	137895.1	14.3	B31.12-IP-19
24(EXP)		9336.2	325429.8	2.9		62365.1	325039.1	19.2	B31.12-IP-19
25(EXP)		2632.1	325429.8	0.8		17266.8	325039.1	5.3	B31.12-IP-19
26(EXP)		1892.8	325429.8	0.6		12435.3	325039.1	3.8	B31.12-IP-19
27(EXP)		6634.3	325429.8	2.0		43411.0	325039.1	13.4	B31.12-IP-19
28(EXP)		9266.2	325429.8	2.8		60677.6	325039.1	18.7	B31.12-IP-19
42(OCC)		19327.2	183400.5	10.5		19751.6	183400.5	10.8	B31.12-IP-19
43(OCC)		19326.8	183400.5	10.5		19769.3	183400.5	10.8	B31.12-IP-19
44(OCC)		19385.4	183400.5	10.6		19776.6	183400.5	10.8	B31.12-IP-19
45(OCC)		19379.7	183400.5	10.6		19771.0	183400.5	10.8	B31.12-IP-19
46(OCC)		19316.5	183400.5	10.5		19713.0	183400.5	10.7	B31.12-IP-19
47(OCC)		21099.9	183400.5	11.5		22583.0	183400.5	12.3	B31.12-IP-19
48(OCC)		20405.4	183400.5	11.1		22779.5	183400.5	12.4	B31.12-IP-19
49(OCC)		20402.5	183400.5	11.1		20785.2	183400.5	11.3	B31.12-IP-19
50(OCC)		20075.9	183400.5	10.9		19893.6	183400.5	10.8	B31.12-IP-19
51(OCC)		21589.9	183400.5	11.8		22339.3	183400.5	12.2	B31.12-IP-19
52(OCC)		20238.5	183400.5	11.0		22944.7	183400.5	12.5	B31.12-IP-19
53(OCC)		19745.4	183400.5	10.8		20270.6	183400.5	11.1	B31.12-IP-19
54(OCC)		20876.1	183400.5	11.4		20860.1	183400.5	11.4	B31.12-IP-19
2(Alt-SUS)	2345	19663.6	137895.1	14.3	2350	26796.7	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		19674.8	137895.1	14.3		26679.9	137895.1	19.3	B31.12-IP-19
6(Alt-SUS)		19695.4	137895.1	14.3		26646.6	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19683.2	137895.1	14.3		26653.1	137895.1	19.3	B31.12-IP-19
14(SUS)		19698.8	137895.1	14.3		26635.9	137895.1	19.3	B31.12-IP-19
24(EXP)		62365.1	325039.1	19.2		39479.7	317941.1	12.4	B31.12-IP-19
25(EXP)		17266.8	325039.1	5.3		11176.7	317941.1	3.5	B31.12-IP-19
26(EXP)		12435.3	325039.1	3.8		8029.8	317941.1	2.5	B31.12-IP-19
27(EXP)		43411.0	325039.1	13.4		28071.7	317941.1	8.8	B31.12-IP-19
28(EXP)		60677.6	325039.1	18.7		39248.1	317941.1	12.3	B31.12-IP-19
42(OCC)		19792.8	183400.5	10.8		27170.9	183400.5	14.8	B31.12-IP-19
43(OCC)		19781.0	183400.5	10.8		27130.4	183400.5	14.8	B31.12-IP-19
44(OCC)		19763.0	183400.5	10.8		26781.2	183400.5	14.6	B31.12-IP-19
45(OCC)		19809.9	183400.5	10.8		26741.8	183400.5	14.6	B31.12-IP-19
46(OCC)		19713.3	183400.5	10.7		26646.5	183400.5	14.5	B31.12-IP-19
47(OCC)		22806.6	183400.5	12.4		33822.5	183400.5	18.4	B31.12-IP-19
48(OCC)		23416.9	183400.5	12.8		38864.8	183400.5	21.2	B31.12-IP-19
49(OCC)		21217.2	183400.5	11.6		28944.8	183400.5	15.8	B31.12-IP-19
50(OCC)		20231.7	183400.5	11.0		33674.9	183400.5	18.4	B31.12-IP-19
51(OCC)		22638.9	183400.5	12.3		38627.0	183400.5	21.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		23391.1	183400.5	12.8		34337.8	183400.5	18.7	B31.12-IP-19
53(OCC)		20825.0	183400.5	11.4		33616.5	183400.5	18.3	B31.12-IP-19
54(OCC)		21146.0	183400.5	11.5		28631.2	183400.5	15.6	B31.12-IP-19
2(Alt-SUS)	2350	26796.7	137895.1	19.4	2358	19289.5	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		26679.8	137895.1	19.3		19235.3	137895.1	13.9	B31.12-IP-19
6(Alt-SUS)		26646.6	137895.1	19.3		19217.2	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26653.1	137895.1	19.3		19219.5	137895.1	13.9	B31.12-IP-19
14(SUS)		26635.8	137895.1	19.3		19215.8	137895.1	13.9	B31.12-IP-19
24(EXP)		39479.7	317941.1	12.4		6232.9	325448.3	1.9	B31.12-IP-19
25(EXP)		11176.7	317941.1	3.5		1775.9	325448.3	0.5	B31.12-IP-19
26(EXP)		8029.8	317941.1	2.5		1282.9	325448.3	0.4	B31.12-IP-19
27(EXP)		28071.7	317941.1	8.8		4379.8	325448.3	1.3	B31.12-IP-19
28(EXP)		39248.1	317941.1	12.3		6155.5	325448.3	1.9	B31.12-IP-19
42(OCC)		27134.0	183400.5	14.8		19270.7	183400.5	10.5	B31.12-IP-19
43(OCC)		27125.4	183400.5	14.8		19258.6	183400.5	10.5	B31.12-IP-19
44(OCC)		26814.3	183400.5	14.6		19510.3	183400.5	10.6	B31.12-IP-19
45(OCC)		26720.0	183400.5	14.6		19493.7	183400.5	10.6	B31.12-IP-19
46(OCC)		26646.1	183400.5	14.5		19221.9	183400.5	10.5	B31.12-IP-19
47(OCC)		33567.3	183400.5	18.3		20337.0	183400.5	11.1	B31.12-IP-19
48(OCC)		38398.8	183400.5	20.9		20294.4	183400.5	11.1	B31.12-IP-19
49(OCC)		28801.6	183400.5	15.7		23411.4	183400.5	12.8	B31.12-IP-19
50(OCC)		33780.5	183400.5	18.4		22821.5	183400.5	12.4	B31.12-IP-19
51(OCC)		38341.1	183400.5	20.9		20958.4	183400.5	11.4	B31.12-IP-19
52(OCC)		34057.2	183400.5	18.6		19942.6	183400.5	10.9	B31.12-IP-19
53(OCC)		33727.8	183400.5	18.4		23228.2	183400.5	12.7	B31.12-IP-19
54(OCC)		28479.6	183400.5	15.5		23237.0	183400.5	12.7	B31.12-IP-19
2(Alt-SUS)	2358	19432.1	137895.1	14.1	2359	23064.7	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19361.2	137895.1	14.0		23039.8	137895.1	16.7	B31.12-IP-19
6(Alt-SUS)		19337.6	137895.1	14.0		23036.4	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19340.7	137895.1	14.0		23044.0	137895.1	16.7	B31.12-IP-19
14(SUS)		19335.8	137895.1	14.0		23026.6	137895.1	16.7	B31.12-IP-19
24(EXP)		13328.3	325305.7	4.1		55612.4	321673.1	17.3	B31.12-IP-19
25(EXP)		3798.3	325305.7	1.2		15735.4	321673.1	4.9	B31.12-IP-19
26(EXP)		2745.2	325305.7	0.8		11326.1	321673.1	3.5	B31.12-IP-19
27(EXP)		9364.6	325305.7	2.9		39343.9	321673.1	12.2	B31.12-IP-19
28(EXP)		13162.7	325305.7	4.0		55078.9	321673.1	17.1	B31.12-IP-19
42(OCC)		19415.6	183400.5	10.6		23291.1	183400.5	12.7	B31.12-IP-19
43(OCC)		19400.0	183400.5	10.6		23264.6	183400.5	12.7	B31.12-IP-19
44(OCC)		19719.0	183400.5	10.8		23536.7	183400.5	12.8	B31.12-IP-19
45(OCC)		19696.9	183400.5	10.7		23433.6	183400.5	12.8	B31.12-IP-19
46(OCC)		19342.3	183400.5	10.5		23033.9	183400.5	12.6	B31.12-IP-19
47(OCC)		20970.5	183400.5	11.4		26946.7	183400.5	14.7	B31.12-IP-19
48(OCC)		20650.7	183400.5	11.3		31734.7	183400.5	17.3	B31.12-IP-19
49(OCC)		24739.5	183400.5	13.5		30085.7	183400.5	16.4	B31.12-IP-19
50(OCC)		24017.3	183400.5	13.1		25302.4	183400.5	13.8	B31.12-IP-19
51(OCC)		21838.2	183400.5	11.9		30360.8	183400.5	16.6	B31.12-IP-19
52(OCC)		20183.0	183400.5	11.0		28784.9	183400.5	15.7	B31.12-IP-19
53(OCC)		24576.9	183400.5	13.4		25601.4	183400.5	14.0	B31.12-IP-19
54(OCC)		24561.4	183400.5	13.4		30033.2	183400.5	16.4	B31.12-IP-19
2(Alt-SUS)	2359	23064.7	137895.1	16.7	2360	24639.6	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23039.8	137895.1	16.7		24656.9	137895.1	17.9	B31.12-IP-19
6(Alt-SUS)		23036.4	137895.1	16.7		24670.8	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23044.0	137895.1	16.7		24679.5	137895.1	17.9	B31.12-IP-19
14(SUS)		23026.6	137895.1	16.7		24657.5	137895.1	17.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		55612.4	321673.1	17.3		72976.4	320058.3	22.8	B31.12-IP-19
25(EXP)		15735.4	321673.1	4.9		20545.0	320058.3	6.4	B31.12-IP-19
26(EXP)		11326.1	321673.1	3.5		14777.8	320058.3	4.6	B31.12-IP-19
27(EXP)		39343.9	321673.1	12.2		51569.8	320058.3	16.1	B31.12-IP-19
28(EXP)		55078.9	321673.1	17.1		72114.5	320058.3	22.5	B31.12-IP-19
42(OCC)		23291.1	183400.5	12.7		25026.3	183400.5	13.6	B31.12-IP-19
43(OCC)		23264.6	183400.5	12.7		24969.9	183400.5	13.6	B31.12-IP-19
44(OCC)		23536.7	183400.5	12.8		25254.4	183400.5	13.8	B31.12-IP-19
45(OCC)		23433.6	183400.5	12.8		25101.8	183400.5	13.7	B31.12-IP-19
46(OCC)		23033.9	183400.5	12.6		24665.8	183400.5	13.4	B31.12-IP-19
47(OCC)		26946.7	183400.5	14.7		30986.4	183400.5	16.9	B31.12-IP-19
48(OCC)		31734.7	183400.5	17.3		36788.5	183400.5	20.1	B31.12-IP-19
49(OCC)		30085.7	183400.5	16.4		32692.6	183400.5	17.8	B31.12-IP-19
50(OCC)		25302.4	183400.5	13.8		29537.0	183400.5	16.1	B31.12-IP-19
51(OCC)		30360.8	183400.5	16.6		36465.4	183400.5	19.9	B31.12-IP-19
52(OCC)		28784.9	183400.5	15.7		31682.6	183400.5	17.3	B31.12-IP-19
53(OCC)		25601.4	183400.5	14.0		28935.6	183400.5	15.8	B31.12-IP-19
54(OCC)		30033.2	183400.5	16.4		32725.7	183400.5	17.8	B31.12-IP-19
2(Alt-SUS)	2360	23353.9	137895.1	16.9	2370	23598.3	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23360.0	137895.1	16.9		23600.2	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23367.9	137895.1	16.9		23606.7	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23374.9	137895.1	17.0		23613.9	137895.1	17.1	B31.12-IP-19
14(SUS)		23357.1	137895.1	16.9		23595.6	137895.1	17.1	B31.12-IP-19
24(EXP)		34106.5	321362.9	10.6		34106.7	321123.9	10.6	B31.12-IP-19
25(EXP)		9587.2	321362.9	3.0		9582.5	321123.9	3.0	B31.12-IP-19
26(EXP)		6894.3	321362.9	2.1		6890.5	321123.9	2.1	B31.12-IP-19
27(EXP)		24073.9	321362.9	7.5		24068.6	321123.9	7.5	B31.12-IP-19
28(EXP)		33660.7	321362.9	10.5		33650.6	321123.9	10.5	B31.12-IP-19
42(OCC)		23646.6	183400.5	12.9		23888.4	183400.5	13.0	B31.12-IP-19
43(OCC)		23571.4	183400.5	12.9		23808.6	183400.5	13.0	B31.12-IP-19
44(OCC)		23890.6	183400.5	13.0		24135.7	183400.5	13.2	B31.12-IP-19
45(OCC)		23757.4	183400.5	13.0		24000.6	183400.5	13.1	B31.12-IP-19
46(OCC)		23363.8	183400.5	12.7		23602.1	183400.5	12.9	B31.12-IP-19
47(OCC)		27898.1	183400.5	15.2		28185.4	183400.5	15.4	B31.12-IP-19
48(OCC)		33293.6	183400.5	18.2		33698.7	183400.5	18.4	B31.12-IP-19
49(OCC)		30645.2	183400.5	16.7		30970.8	183400.5	16.9	B31.12-IP-19
50(OCC)		26724.4	183400.5	14.6		27118.6	183400.5	14.8	B31.12-IP-19
51(OCC)		33246.9	183400.5	18.1		33697.4	183400.5	18.4	B31.12-IP-19
52(OCC)		28252.7	183400.5	15.4		28471.8	183400.5	15.5	B31.12-IP-19
53(OCC)		26429.1	183400.5	14.4		26844.7	183400.5	14.6	B31.12-IP-19
54(OCC)		30581.3	183400.5	16.7		30890.9	183400.5	16.8	B31.12-IP-19
2(Alt-SUS)	2370	0.0	0.0	0.0	2380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2380	0.0	0.0	0.0	2390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2390	0.0	0.0	0.0	2400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	2400	0.0	0.0	0.0	2410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2390	0.0	0.0	0.0	2420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2320	0.0	0.0	0.0	2430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2430	3415.8	137895.1	2.5	2440	3001.4	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		14286.0	137895.1	10.4		9501.8	137895.1	6.9	B31.12-IP-19
6(Alt-SUS)		26793.6	137895.1	19.4		13632.9	137895.1	9.9	B31.12-IP-19
8(Alt-SUS)		26321.8	137895.1	19.1		13473.2	137895.1	9.8	B31.12-IP-19
14(SUS)		26528.5	137895.1	19.2		13565.8	137895.1	9.8	B31.12-IP-19
24(EXP)		28741.7	317944.2	9.0		6084.3	331105.0	1.8	B31.12-IP-19
25(EXP)		7334.5	317944.2	2.3		1169.1	331105.0	0.4	B31.12-IP-19
26(EXP)		7751.3	317944.2	2.4		424.9	331105.0	0.1	B31.12-IP-19
27(EXP)		25837.8	317944.2	8.1		1883.9	331105.0	0.6	B31.12-IP-19
28(EXP)		32987.9	317944.2	10.4		2466.1	331105.0	0.7	B31.12-IP-19
42(OCC)		29633.6	183400.5	16.2		14465.5	183400.5	7.9	B31.12-IP-19
43(OCC)		28375.4	183400.5	15.5		14193.0	183400.5	7.7	B31.12-IP-19
44(OCC)		29579.6	183400.5	16.1		14474.3	183400.5	7.9	B31.12-IP-19
45(OCC)		29325.9	183400.5	16.0		14431.0	183400.5	7.9	B31.12-IP-19
46(OCC)		29922.2	183400.5	16.3		14652.6	183400.5	8.0	B31.12-IP-19
47(OCC)		51740.3	183400.5	28.2		21277.6	183400.5	11.6	B31.12-IP-19
48(OCC)		37699.3	183400.5	20.6		20513.0	183400.5	11.2	B31.12-IP-19
49(OCC)		43777.9	183400.5	23.9		20668.8	183400.5	11.3	B31.12-IP-19
50(OCC)		55053.6	183400.5	30.0		23744.9	183400.5	12.9	B31.12-IP-19
51(OCC)		29101.7	183400.5	15.9		17312.5	183400.5	9.4	B31.12-IP-19
52(OCC)		44483.8	183400.5	24.3		18786.6	183400.5	10.2	B31.12-IP-19
53(OCC)		38741.1	183400.5	21.1		18962.2	183400.5	10.3	B31.12-IP-19
54(OCC)		35363.9	183400.5	19.3		17587.4	183400.5	9.6	B31.12-IP-19
2(Alt-SUS)	2440	2990.7	137895.1	2.2	2445	2950.2	137895.1	2.1	B31.12-IP-19
4(Alt-SUS)		9747.2	137895.1	7.1		13283.4	137895.1	9.6	B31.12-IP-19
6(Alt-SUS)		13959.4	137895.1	10.1		18662.6	137895.1	13.5	B31.12-IP-19
8(Alt-SUS)		13796.4	137895.1	10.0		18451.5	137895.1	13.4	B31.12-IP-19
14(SUS)		13891.9	137895.1	10.1		18587.4	137895.1	13.5	B31.12-IP-19
24(EXP)		6084.3	330778.4	1.8		8480.4	326075.2	2.6	B31.12-IP-19
25(EXP)		1169.1	330778.4	0.4		3289.4	326075.2	1.0	B31.12-IP-19
26(EXP)		424.9	330778.4	0.1		1277.0	326075.2	0.4	B31.12-IP-19
27(EXP)		1883.9	330778.4	0.6		4932.7	326075.2	1.5	B31.12-IP-19
28(EXP)		2466.1	330778.4	0.7		8114.3	326075.2	2.5	B31.12-IP-19
42(OCC)		14781.9	183400.5	8.1		19639.2	183400.5	10.7	B31.12-IP-19
43(OCC)		14532.6	183400.5	7.9		19413.3	183400.5	10.6	B31.12-IP-19
44(OCC)		14788.1	183400.5	8.1		19660.7	183400.5	10.7	B31.12-IP-19
45(OCC)		14743.6	183400.5	8.0		19631.5	183400.5	10.7	B31.12-IP-19
46(OCC)		14996.2	183400.5	8.2		19545.1	183400.5	10.7	B31.12-IP-19
47(OCC)		21491.0	183400.5	11.7		28048.8	183400.5	15.3	B31.12-IP-19
48(OCC)		21109.1	183400.5	11.5		29463.6	183400.5	16.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		20840.7	183400.5	11.4		28388.2	183400.5	15.5	B31.12-IP-19
50(OCC)		23846.9	183400.5	13.0		31790.1	183400.5	17.3	B31.12-IP-19
51(OCC)		17848.0	183400.5	9.7		25315.3	183400.5	13.8	B31.12-IP-19
52(OCC)		19051.1	183400.5	10.4		24888.6	183400.5	13.6	B31.12-IP-19
53(OCC)		19140.7	183400.5	10.4		26227.3	183400.5	14.3	B31.12-IP-19
54(OCC)		17822.7	183400.5	9.7		24437.8	183400.5	13.3	B31.12-IP-19
2(Alt-SUS)	2445	3189.7	137895.1	2.3	2451	3324.0	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		13318.3	137895.1	9.7		4790.9	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		18781.7	137895.1	13.6		4466.2	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		18567.6	137895.1	13.5		4472.6	137895.1	3.2	B31.12-IP-19
14(SUS)		18702.1	137895.1	13.6		4472.0	137895.1	3.2	B31.12-IP-19
24(EXP)		8480.4	325956.2	2.6		9727.8	339946.9	2.9	B31.12-IP-19
25(EXP)		3289.4	325956.2	1.0		1704.8	339946.9	0.5	B31.12-IP-19
26(EXP)		1277.0	325956.2	0.4		1201.2	339946.9	0.4	B31.12-IP-19
27(EXP)		4932.7	325956.2	1.5		3901.7	339946.9	1.1	B31.12-IP-19
28(EXP)		8114.3	325956.2	2.5		5587.0	339946.9	1.6	B31.12-IP-19
42(OCC)		19740.1	183400.5	10.8		4645.9	183400.5	2.5	B31.12-IP-19
43(OCC)		19546.3	183400.5	10.7		4700.5	183400.5	2.6	B31.12-IP-19
44(OCC)		19783.0	183400.5	10.8		4770.9	183400.5	2.6	B31.12-IP-19
45(OCC)		19757.9	183400.5	10.8		4723.2	183400.5	2.6	B31.12-IP-19
46(OCC)		18834.9	183400.5	10.3		4569.3	183400.5	2.5	B31.12-IP-19
47(OCC)		28106.4	183400.5	15.3		5052.5	183400.5	2.8	B31.12-IP-19
48(OCC)		29320.1	183400.5	16.0		5575.9	183400.5	3.0	B31.12-IP-19
49(OCC)		28579.8	183400.5	15.6		5519.6	183400.5	3.0	B31.12-IP-19
50(OCC)		32044.7	183400.5	17.5		5453.0	183400.5	3.0	B31.12-IP-19
51(OCC)		25230.5	183400.5	13.8		5970.9	183400.5	3.3	B31.12-IP-19
52(OCC)		24890.3	183400.5	13.6		5296.4	183400.5	2.9	B31.12-IP-19
53(OCC)		26386.1	183400.5	14.4		5669.9	183400.5	3.1	B31.12-IP-19
54(OCC)		24568.1	183400.5	13.4		5644.8	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	2451	3750.1	137895.1	2.7	2449	3953.3	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		7117.2	137895.1	5.2		4496.1	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		6237.1	137895.1	4.5		9193.3	137895.1	6.7	B31.12-IP-19
8(Alt-SUS)		6256.6	137895.1	4.5		9027.7	137895.1	6.5	B31.12-IP-19
14(SUS)		6253.2	137895.1	4.5		9119.7	137895.1	6.6	B31.12-IP-19
24(EXP)		29430.9	337620.7	8.7		40873.7	335544.5	12.2	B31.12-IP-19
25(EXP)		4732.1	337620.7	1.4		6650.1	335544.5	2.0	B31.12-IP-19
26(EXP)		3347.3	337620.7	1.0		4299.4	335544.5	1.3	B31.12-IP-19
27(EXP)		11065.9	337620.7	3.3		15145.7	335544.5	4.5	B31.12-IP-19
28(EXP)		15789.9	337620.7	4.7		21692.6	335544.5	6.5	B31.12-IP-19
42(OCC)		6461.5	183400.5	3.5		10048.0	183400.5	5.5	B31.12-IP-19
43(OCC)		6605.6	183400.5	3.6		9993.7	183400.5	5.4	B31.12-IP-19
44(OCC)		6617.3	183400.5	3.6		10309.4	183400.5	5.6	B31.12-IP-19
45(OCC)		6576.2	183400.5	3.6		10217.9	183400.5	5.6	B31.12-IP-19
46(OCC)		6478.0	183400.5	3.5		9309.0	183400.5	5.1	B31.12-IP-19
47(OCC)		7059.6	183400.5	3.8		13459.5	183400.5	7.3	B31.12-IP-19
48(OCC)		8525.2	183400.5	4.6		14258.2	183400.5	7.8	B31.12-IP-19
49(OCC)		8082.3	183400.5	4.4		14001.8	183400.5	7.6	B31.12-IP-19
50(OCC)		7316.5	183400.5	4.0		18151.2	183400.5	9.9	B31.12-IP-19
51(OCC)		9345.1	183400.5	5.1		10736.3	183400.5	5.9	B31.12-IP-19
52(OCC)		7611.9	183400.5	4.2		11007.5	183400.5	6.0	B31.12-IP-19
53(OCC)		8767.4	183400.5	4.8		11385.8	183400.5	6.2	B31.12-IP-19
54(OCC)		8744.9	183400.5	4.8		10040.7	183400.5	5.5	B31.12-IP-19
2(Alt-SUS)	2449	3953.3	137895.1	2.9	2450	3947.5	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		4496.1	137895.1	3.3		6316.1	137895.1	4.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		9193.3	137895.1	6.7		11820.2	137895.1	8.6	B31.12-IP-19
8(Alt-SUS)		9027.7	137895.1	6.5		11617.7	137895.1	8.4	B31.12-IP-19
14(SUS)		9119.7	137895.1	6.6		11740.7	137895.1	8.5	B31.12-IP-19
24(EXP)		40873.7	335544.5	12.2		37822.3	332917.6	11.4	B31.12-IP-19
25(EXP)		6650.1	335544.5	2.0		6403.9	332917.6	1.9	B31.12-IP-19
26(EXP)		4299.4	335544.5	1.3		3601.3	332917.6	1.1	B31.12-IP-19
27(EXP)		15145.7	335544.5	4.5		13257.7	332917.6	4.0	B31.12-IP-19
28(EXP)		21692.6	335544.5	6.5		19440.7	332917.6	5.8	B31.12-IP-19
42(OCC)		10048.0	183400.5	5.5		13088.5	183400.5	7.1	B31.12-IP-19
43(OCC)		9993.7	183400.5	5.4		12591.7	183400.5	6.9	B31.12-IP-19
44(OCC)		10309.4	183400.5	5.6		13246.1	183400.5	7.2	B31.12-IP-19
45(OCC)		10217.9	183400.5	5.6		13104.7	183400.5	7.1	B31.12-IP-19
46(OCC)		9309.0	183400.5	5.1		11897.7	183400.5	6.5	B31.12-IP-19
47(OCC)		13459.5	183400.5	7.3		14623.1	183400.5	8.0	B31.12-IP-19
48(OCC)		14258.2	183400.5	7.8		21549.6	183400.5	11.8	B31.12-IP-19
49(OCC)		14001.8	183400.5	7.6		18060.6	183400.5	9.8	B31.12-IP-19
50(OCC)		18151.2	183400.5	9.9		22926.6	183400.5	12.5	B31.12-IP-19
51(OCC)		10736.3	183400.5	5.9		17344.0	183400.5	9.5	B31.12-IP-19
52(OCC)		11007.5	183400.5	6.0		13428.6	183400.5	7.3	B31.12-IP-19
53(OCC)		11385.8	183400.5	6.2		15465.0	183400.5	8.4	B31.12-IP-19
54(OCC)		10040.7	183400.5	5.5		14471.5	183400.5	7.9	B31.12-IP-19
2(Alt-SUS)	2450	3392.6	137895.1	2.5	2460	3388.1	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		4738.4	137895.1	3.4		4724.2	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		7307.4	137895.1	5.3		7269.5	137895.1	5.3	B31.12-IP-19
8(Alt-SUS)		7212.8	137895.1	5.2		7175.7	137895.1	5.2	B31.12-IP-19
14(SUS)		7270.2	137895.1	5.3		7232.8	137895.1	5.2	B31.12-IP-19
24(EXP)		13994.2	337430.4	4.1		13884.6	337468.4	4.1	B31.12-IP-19
25(EXP)		2474.3	337430.4	0.7		2447.6	337468.4	0.7	B31.12-IP-19
26(EXP)		1714.1	337430.4	0.5		1705.9	337468.4	0.5	B31.12-IP-19
27(EXP)		5862.5	337430.4	1.7		5827.1	337468.4	1.7	B31.12-IP-19
28(EXP)		8242.0	337430.4	2.4		8175.8	337468.4	2.4	B31.12-IP-19
42(OCC)		7930.5	183400.5	4.3		7900.1	183400.5	4.3	B31.12-IP-19
43(OCC)		7731.3	183400.5	4.2		7693.0	183400.5	4.2	B31.12-IP-19
44(OCC)		8074.4	183400.5	4.4		8045.7	183400.5	4.4	B31.12-IP-19
45(OCC)		7986.6	183400.5	4.4		7955.1	183400.5	4.3	B31.12-IP-19
46(OCC)		7338.8	183400.5	4.0		7300.6	183400.5	4.0	B31.12-IP-19
47(OCC)		8841.1	183400.5	4.8		8697.6	183400.5	4.7	B31.12-IP-19
48(OCC)		11817.6	183400.5	6.4		11836.0	183400.5	6.5	B31.12-IP-19
49(OCC)		10343.2	183400.5	5.6		10277.7	183400.5	5.6	B31.12-IP-19
50(OCC)		12622.1	183400.5	6.9		12547.3	183400.5	6.8	B31.12-IP-19
51(OCC)		9871.2	183400.5	5.4		9908.7	183400.5	5.4	B31.12-IP-19
52(OCC)		8311.9	183400.5	4.5		8333.7	183400.5	4.5	B31.12-IP-19
53(OCC)		9134.0	183400.5	5.0		9100.3	183400.5	5.0	B31.12-IP-19
54(OCC)		8758.2	183400.5	4.8		8761.1	183400.5	4.8	B31.12-IP-19
2(Alt-SUS)	2460	0.0	0.0	0.0	2470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2470	0.0	0.0	0.0	2480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2480	0.0	0.0	0.0	2490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2490	2313.0	137895.1	1.7	2500	2278.4	137895.1	1.7	B31.12-IP-19
4(Alt-SUS)		2996.3	137895.1	2.2		2845.1	137895.1	2.1	B31.12-IP-19
6(Alt-SUS)		4061.0	137895.1	2.9		3384.0	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		4011.6	137895.1	2.9		3344.0	137895.1	2.4	B31.12-IP-19
14(SUS)		4071.8	137895.1	3.0		3459.0	137895.1	2.5	B31.12-IP-19
24(EXP)		14294.8	340666.0	4.2		19234.6	341278.9	5.6	B31.12-IP-19
25(EXP)		1504.7	340666.0	0.4		1961.8	341278.9	0.6	B31.12-IP-19
26(EXP)		1954.9	340666.0	0.6		2529.1	341278.9	0.7	B31.12-IP-19
27(EXP)		6632.8	340666.0	1.9		8806.6	341278.9	2.6	B31.12-IP-19
28(EXP)		7869.5	340666.0	2.3		10441.5	341278.9	3.1	B31.12-IP-19
42(OCC)		5382.5	183400.5	2.9		5254.7	183400.5	2.9	B31.12-IP-19
43(OCC)		5248.2	183400.5	2.9		5329.5	183400.5	2.9	B31.12-IP-19
44(OCC)		5862.1	183400.5	3.2		6004.4	183400.5	3.3	B31.12-IP-19
45(OCC)		5619.3	183400.5	3.1		5691.2	183400.5	3.1	B31.12-IP-19
46(OCC)		4094.9	183400.5	2.2		3475.1	183400.5	1.9	B31.12-IP-19
47(OCC)		4915.5	183400.5	2.7		5291.8	183400.5	2.9	B31.12-IP-19
48(OCC)		6444.8	183400.5	3.5		5731.5	183400.5	3.1	B31.12-IP-19
49(OCC)		9883.2	183400.5	5.4		14793.9	183400.5	8.1	B31.12-IP-19
50(OCC)		12826.9	183400.5	7.0		18574.4	183400.5	10.1	B31.12-IP-19
51(OCC)		6284.9	183400.5	3.4		6134.3	183400.5	3.3	B31.12-IP-19
52(OCC)		5824.8	183400.5	3.2		5974.0	183400.5	3.3	B31.12-IP-19
53(OCC)		6706.1	183400.5	3.7		10640.5	183400.5	5.8	B31.12-IP-19
54(OCC)		5577.7	183400.5	3.0		9174.1	183400.5	5.0	B31.12-IP-19
2(Alt-SUS)	2500	3306.5	137895.1	2.4	2510	3200.2	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3308.2	137895.1	2.4		3300.4	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3427.4	137895.1	2.5		3302.2	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3403.7	137895.1	2.5		3364.1	137895.1	2.4	B31.12-IP-19
14(SUS)		3507.5	137895.1	2.5		3284.2	137895.1	2.4	B31.12-IP-19
24(EXP)		19234.6	341230.4	5.6		7929.8	341373.7	2.3	B31.12-IP-19
25(EXP)		1961.8	341230.4	0.6		1963.6	341373.7	0.6	B31.12-IP-19
26(EXP)		2529.1	341230.4	0.7		1476.0	341373.7	0.4	B31.12-IP-19
27(EXP)		8806.6	341230.4	2.6		4523.5	341373.7	1.3	B31.12-IP-19
28(EXP)		10441.5	341230.4	3.1		6312.7	341373.7	1.8	B31.12-IP-19
42(OCC)		5239.0	183400.5	2.9		3858.7	183400.5	2.1	B31.12-IP-19
43(OCC)		5324.8	183400.5	2.9		3844.3	183400.5	2.1	B31.12-IP-19
44(OCC)		5991.3	183400.5	3.3		3949.0	183400.5	2.2	B31.12-IP-19
45(OCC)		5675.5	183400.5	3.1		3850.7	183400.5	2.1	B31.12-IP-19
46(OCC)		3522.5	183400.5	1.9		3295.7	183400.5	1.8	B31.12-IP-19
47(OCC)		5251.4	183400.5	2.9		3903.3	183400.5	2.1	B31.12-IP-19
48(OCC)		5631.2	183400.5	3.1		4168.5	183400.5	2.3	B31.12-IP-19
49(OCC)		14680.9	183400.5	8.0		7122.1	183400.5	3.9	B31.12-IP-19
50(OCC)		18205.2	183400.5	9.9		10347.5	183400.5	5.6	B31.12-IP-19
51(OCC)		6095.9	183400.5	3.3		4154.7	183400.5	2.3	B31.12-IP-19
52(OCC)		5973.1	183400.5	3.3		4055.1	183400.5	2.2	B31.12-IP-19
53(OCC)		10735.4	183400.5	5.9		5604.6	183400.5	3.1	B31.12-IP-19
54(OCC)		9057.0	183400.5	4.9		5200.0	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	2510	3200.0	137895.1	2.3	2518	3358.3	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3300.4	137895.1	2.4		3298.1	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3302.4	137895.1	2.4		3352.1	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3364.3	137895.1	2.4		3365.4	137895.1	2.4	B31.12-IP-19
14(SUS)		3284.3	137895.1	2.4		3369.3	137895.1	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		7929.8	341373.5	2.3		10067.7	341368.6	2.9	B31.12-IP-19
25(EXP)		1963.6	341373.5	0.6		2612.1	341368.6	0.8	B31.12-IP-19
26(EXP)		1476.0	341373.5	0.4		2337.3	341368.6	0.7	B31.12-IP-19
27(EXP)		4523.5	341373.5	1.3		6535.2	341368.6	1.9	B31.12-IP-19
28(EXP)		6312.7	341373.5	1.8		9136.7	341368.6	2.7	B31.12-IP-19
42(OCC)		3858.9	183400.5	2.1		3617.4	183400.5	2.0	B31.12-IP-19
43(OCC)		3844.5	183400.5	2.1		3586.0	183400.5	2.0	B31.12-IP-19
44(OCC)		3949.4	183400.5	2.2		3849.8	183400.5	2.1	B31.12-IP-19
45(OCC)		3851.0	183400.5	2.1		3770.1	183400.5	2.1	B31.12-IP-19
46(OCC)		3295.8	183400.5	1.8		3388.2	183400.5	1.8	B31.12-IP-19
47(OCC)		3903.5	183400.5	2.1		3554.2	183400.5	1.9	B31.12-IP-19
48(OCC)		4168.7	183400.5	2.3		3784.1	183400.5	2.1	B31.12-IP-19
49(OCC)		7123.8	183400.5	3.9		3904.8	183400.5	2.1	B31.12-IP-19
50(OCC)		10349.3	183400.5	5.6		6294.5	183400.5	3.4	B31.12-IP-19
51(OCC)		4154.5	183400.5	2.3		3906.7	183400.5	2.1	B31.12-IP-19
52(OCC)		4054.9	183400.5	2.2		3833.7	183400.5	2.1	B31.12-IP-19
53(OCC)		5605.7	183400.5	3.1		3787.3	183400.5	2.1	B31.12-IP-19
54(OCC)		5199.3	183400.5	2.8		3610.9	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	2518	3764.4	137895.1	2.7	2519	3992.8	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3554.0	137895.1	2.6		3355.1	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3712.9	137895.1	2.7		3909.4	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3743.8	137895.1	2.7		3883.8	137895.1	2.8	B31.12-IP-19
14(SUS)		3756.9	137895.1	2.7		3993.6	137895.1	2.9	B31.12-IP-19
24(EXP)		23152.6	340973.4	6.8		33675.4	340744.3	9.9	B31.12-IP-19
25(EXP)		6919.8	340973.4	2.0		7949.4	340744.3	2.3	B31.12-IP-19
26(EXP)		6179.0	340973.4	1.8		7738.5	340744.3	2.3	B31.12-IP-19
27(EXP)		16164.3	340973.4	4.7		21194.0	340744.3	6.2	B31.12-IP-19
28(EXP)		23077.9	340973.4	6.8		29141.6	340744.3	8.6	B31.12-IP-19
42(OCC)		4141.7	183400.5	2.3		4765.3	183400.5	2.6	B31.12-IP-19
43(OCC)		4114.9	183400.5	2.2		4722.4	183400.5	2.6	B31.12-IP-19
44(OCC)		4628.4	183400.5	2.5		5617.4	183400.5	3.1	B31.12-IP-19
45(OCC)		4482.9	183400.5	2.4		5354.4	183400.5	2.9	B31.12-IP-19
46(OCC)		3796.5	183400.5	2.1		4038.6	183400.5	2.2	B31.12-IP-19
47(OCC)		4056.6	183400.5	2.2		4308.0	183400.5	2.3	B31.12-IP-19
48(OCC)		4463.3	183400.5	2.4		4500.2	183400.5	2.5	B31.12-IP-19
49(OCC)		4607.0	183400.5	2.5		8483.4	183400.5	4.6	B31.12-IP-19
50(OCC)		10540.0	183400.5	5.7		7237.5	183400.5	3.9	B31.12-IP-19
51(OCC)		4827.9	183400.5	2.6		5759.0	183400.5	3.1	B31.12-IP-19
52(OCC)		4527.1	183400.5	2.5		5505.7	183400.5	3.0	B31.12-IP-19
53(OCC)		4639.3	183400.5	2.5		7218.9	183400.5	3.9	B31.12-IP-19
54(OCC)		4088.9	183400.5	2.2		5896.7	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	2519	3992.8	137895.1	2.9	2520	4210.0	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		3355.1	137895.1	2.4		3241.8	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3909.4	137895.1	2.8		4107.1	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3883.8	137895.1	2.8		4051.1	137895.1	2.9	B31.12-IP-19
14(SUS)		3993.6	137895.1	2.9		4216.5	137895.1	3.1	B31.12-IP-19
24(EXP)		33675.4	340744.3	9.9		33456.2	340521.3	9.8	B31.12-IP-19
25(EXP)		7949.4	340744.3	2.3		7287.4	340521.3	2.1	B31.12-IP-19
26(EXP)		7738.5	340744.3	2.3		7484.8	340521.3	2.2	B31.12-IP-19
27(EXP)		21194.0	340744.3	6.2		20417.8	340521.3	6.0	B31.12-IP-19
28(EXP)		29141.6	340744.3	8.6		27704.3	340521.3	8.1	B31.12-IP-19
42(OCC)		4765.3	183400.5	2.6		5242.1	183400.5	2.9	B31.12-IP-19
43(OCC)		4722.4	183400.5	2.6		5082.1	183400.5	2.8	B31.12-IP-19
44(OCC)		5617.4	183400.5	3.1		6123.6	183400.5	3.3	B31.12-IP-19
45(OCC)		5354.4	183400.5	2.9		5807.0	183400.5	3.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4038.6	183400.5	2.2		4255.6	183400.5	2.3	B31.12-IP-19
47(OCC)		4308.0	183400.5	2.3		4785.0	183400.5	2.6	B31.12-IP-19
48(OCC)		4500.2	183400.5	2.5		4542.4	183400.5	2.5	B31.12-IP-19
49(OCC)		8483.4	183400.5	4.6		10063.5	183400.5	5.5	B31.12-IP-19
50(OCC)		7237.5	183400.5	3.9		6094.7	183400.5	3.3	B31.12-IP-19
51(OCC)		5759.0	183400.5	3.1		6448.9	183400.5	3.5	B31.12-IP-19
52(OCC)		5505.7	183400.5	3.0		6152.0	183400.5	3.4	B31.12-IP-19
53(OCC)		7218.9	183400.5	3.9		8014.1	183400.5	4.4	B31.12-IP-19
54(OCC)		5896.7	183400.5	3.2		6863.8	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	2520	3517.9	137895.1	2.6	2530	5641.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		3119.3	137895.1	2.3		4387.7	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3477.3	137895.1	2.5		5379.6	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		3459.6	137895.1	2.5		5350.1	137895.1	3.9	B31.12-IP-19
14(SUS)		3519.8	137895.1	2.6		5369.4	137895.1	3.9	B31.12-IP-19
24(EXP)		11217.8	341218.0	3.3		19482.3	339096.8	5.7	B31.12-IP-19
25(EXP)		2428.2	341218.0	0.7		5035.6	339096.8	1.5	B31.12-IP-19
26(EXP)		2472.6	341218.0	0.7		3873.2	339096.8	1.1	B31.12-IP-19
27(EXP)		6823.5	341218.0	2.0		13209.4	339096.8	3.9	B31.12-IP-19
28(EXP)		9251.3	341218.0	2.7		18244.8	339096.8	5.4	B31.12-IP-19
42(OCC)		4017.5	183400.5	2.2		6605.6	183400.5	3.6	B31.12-IP-19
43(OCC)		3934.3	183400.5	2.1		6587.6	183400.5	3.6	B31.12-IP-19
44(OCC)		4400.6	183400.5	2.4		5672.3	183400.5	3.1	B31.12-IP-19
45(OCC)		4252.8	183400.5	2.3		5589.9	183400.5	3.0	B31.12-IP-19
46(OCC)		3537.5	183400.5	1.9		5422.9	183400.5	3.0	B31.12-IP-19
47(OCC)		3822.3	183400.5	2.1		7013.9	183400.5	3.8	B31.12-IP-19
48(OCC)		3688.3	183400.5	2.0		7604.6	183400.5	4.1	B31.12-IP-19
49(OCC)		6252.7	183400.5	3.4		7448.7	183400.5	4.1	B31.12-IP-19
50(OCC)		4608.6	183400.5	2.5		8240.0	183400.5	4.5	B31.12-IP-19
51(OCC)		4548.8	183400.5	2.5		7020.2	183400.5	3.8	B31.12-IP-19
52(OCC)		4412.2	183400.5	2.4		6753.8	183400.5	3.7	B31.12-IP-19
53(OCC)		5279.0	183400.5	2.9		6326.4	183400.5	3.4	B31.12-IP-19
54(OCC)		4752.7	183400.5	2.6		6293.7	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	2530	5650.1	137895.1	4.1	2538	3242.4	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		4389.5	137895.1	3.2		3150.4	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		5391.9	137895.1	3.9		3184.9	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		5355.0	137895.1	3.9		3185.8	137895.1	2.3	B31.12-IP-19
14(SUS)		5392.8	137895.1	3.9		3162.7	137895.1	2.3	B31.12-IP-19
24(EXP)		19482.3	339087.7	5.7		6682.2	341495.4	2.0	B31.12-IP-19
25(EXP)		5035.6	339087.7	1.5		927.7	341495.4	0.3	B31.12-IP-19
26(EXP)		3873.2	339087.7	1.1		523.7	341495.4	0.2	B31.12-IP-19
27(EXP)		13209.4	339087.7	3.9		2486.2	341495.4	0.7	B31.12-IP-19
28(EXP)		18244.8	339087.7	5.4		3405.9	341495.4	1.0	B31.12-IP-19
42(OCC)		6599.4	183400.5	3.6		3528.8	183400.5	1.9	B31.12-IP-19
43(OCC)		6578.2	183400.5	3.6		3686.1	183400.5	2.0	B31.12-IP-19
44(OCC)		5704.7	183400.5	3.1		4586.5	183400.5	2.5	B31.12-IP-19
45(OCC)		5609.3	183400.5	3.1		4126.7	183400.5	2.3	B31.12-IP-19
46(OCC)		5446.2	183400.5	3.0		3172.1	183400.5	1.7	B31.12-IP-19
47(OCC)		7051.9	183400.5	3.8		3900.0	183400.5	2.1	B31.12-IP-19
48(OCC)		7658.9	183400.5	4.2		4246.3	183400.5	2.3	B31.12-IP-19
49(OCC)		7432.7	183400.5	4.1		5638.4	183400.5	3.1	B31.12-IP-19
50(OCC)		8324.1	183400.5	4.5		5366.8	183400.5	2.9	B31.12-IP-19
51(OCC)		6969.9	183400.5	3.8		3726.9	183400.5	2.0	B31.12-IP-19
52(OCC)		6723.7	183400.5	3.7		4060.3	183400.5	2.2	B31.12-IP-19
53(OCC)		6380.1	183400.5	3.5		4979.4	183400.5	2.7	B31.12-IP-19
54(OCC)		6410.2	183400.5	3.5		4063.0	183400.5	2.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	2538	3478.4	137895.1	2.5	2539	3225.7	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3270.0	137895.1	2.4		3091.4	137895.1	2.2	B31.12-IP-19
6(Alt-SUS)		3348.2	137895.1	2.4		3176.4	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		3345.9	137895.1	2.4		3155.1	137895.1	2.3	B31.12-IP-19
14(SUS)		3295.3	137895.1	2.4		3118.7	137895.1	2.3	B31.12-IP-19
24(EXP)		18784.4	341259.4	5.5		17053.3	341512.2	5.0	B31.12-IP-19
25(EXP)		2621.5	341259.4	0.8		2693.6	341512.2	0.8	B31.12-IP-19
26(EXP)		1630.7	341259.4	0.5		1552.5	341512.2	0.5	B31.12-IP-19
27(EXP)		7221.3	341259.4	2.1		7302.0	341512.2	2.1	B31.12-IP-19
28(EXP)		9821.0	341259.4	2.9		9980.8	341512.2	2.9	B31.12-IP-19
42(OCC)		3997.5	183400.5	2.2		3855.6	183400.5	2.1	B31.12-IP-19
43(OCC)		4318.8	183400.5	2.4		3807.3	183400.5	2.1	B31.12-IP-19
44(OCC)		6166.4	183400.5	3.4		5514.0	183400.5	3.0	B31.12-IP-19
45(OCC)		5206.7	183400.5	2.8		4676.6	183400.5	2.5	B31.12-IP-19
46(OCC)		3315.0	183400.5	1.8		3138.5	183400.5	1.7	B31.12-IP-19
47(OCC)		4809.7	183400.5	2.6		4702.7	183400.5	2.6	B31.12-IP-19
48(OCC)		5513.6	183400.5	3.0		4718.7	183400.5	2.6	B31.12-IP-19
49(OCC)		8356.1	183400.5	4.6		7433.4	183400.5	4.1	B31.12-IP-19
50(OCC)		8077.2	183400.5	4.4		7036.4	183400.5	3.8	B31.12-IP-19
51(OCC)		4387.0	183400.5	2.4		4314.2	183400.5	2.4	B31.12-IP-19
52(OCC)		5062.2	183400.5	2.8		4537.6	183400.5	2.5	B31.12-IP-19
53(OCC)		6909.6	183400.5	3.8		6015.8	183400.5	3.3	B31.12-IP-19
54(OCC)		5086.0	183400.5	2.8		4698.7	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	2539	3225.7	137895.1	2.3	2540	3322.4	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3091.4	137895.1	2.2		3421.8	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3176.4	137895.1	2.3		3254.4	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3155.1	137895.1	2.3		3262.7	137895.1	2.4	B31.12-IP-19
14(SUS)		3118.7	137895.1	2.3		3244.5	137895.1	2.4	B31.12-IP-19
24(EXP)		17053.4	341512.2	5.0		9306.1	341316.0	2.7	B31.12-IP-19
25(EXP)		2693.6	341512.2	0.8		1815.3	341316.0	0.5	B31.12-IP-19
26(EXP)		1552.5	341512.2	0.5		1400.3	341316.0	0.4	B31.12-IP-19
27(EXP)		7302.0	341512.2	2.1		4899.6	341316.0	1.4	B31.12-IP-19
28(EXP)		9980.8	341512.2	2.9		6708.4	341316.0	2.0	B31.12-IP-19
42(OCC)		3855.6	183400.5	2.1		3978.5	183400.5	2.2	B31.12-IP-19
43(OCC)		3807.3	183400.5	2.1		3792.4	183400.5	2.1	B31.12-IP-19
44(OCC)		5514.0	183400.5	3.0		4710.9	183400.5	2.6	B31.12-IP-19
45(OCC)		4676.6	183400.5	2.5		4192.9	183400.5	2.3	B31.12-IP-19
46(OCC)		3138.5	183400.5	1.7		3257.6	183400.5	1.8	B31.12-IP-19
47(OCC)		4702.7	183400.5	2.6		4568.9	183400.5	2.5	B31.12-IP-19
48(OCC)		4718.7	183400.5	2.6		4152.3	183400.5	2.3	B31.12-IP-19
49(OCC)		7433.4	183400.5	4.1		5921.6	183400.5	3.2	B31.12-IP-19
50(OCC)		7036.4	183400.5	3.8		4600.9	183400.5	2.5	B31.12-IP-19
51(OCC)		4314.2	183400.5	2.4		4482.8	183400.5	2.4	B31.12-IP-19
52(OCC)		4537.6	183400.5	2.5		4266.6	183400.5	2.3	B31.12-IP-19
53(OCC)		6015.8	183400.5	3.3		5043.3	183400.5	2.7	B31.12-IP-19
54(OCC)		4698.7	183400.5	2.6		4218.3	183400.5	2.3	B31.12-IP-19
2(Alt-SUS)	2540	3174.0	137895.1	2.3	2550	4110.2	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		3228.5	137895.1	2.3		4446.6	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3137.0	137895.1	2.3		4129.3	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3142.0	137895.1	2.3		4142.7	137895.1	3.0	B31.12-IP-19
14(SUS)		3133.6	137895.1	2.3		4132.4	137895.1	3.0	B31.12-IP-19
24(EXP)		7656.1	341509.3	2.2		12182.9	340291.2	3.6	B31.12-IP-19
25(EXP)		1299.8	341509.3	0.4		2151.2	340291.2	0.6	B31.12-IP-19
26(EXP)		561.6	341509.3	0.2		1241.5	340291.2	0.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		3251.1	341509.3	1.0		5679.7	340291.2	1.7	B31.12-IP-19
28(EXP)		4548.9	341509.3	1.3		7825.3	340291.2	2.3	B31.12-IP-19
42(OCC)		3618.4	183400.5	2.0		4743.4	183400.5	2.6	B31.12-IP-19
43(OCC)		3649.3	183400.5	2.0		4662.3	183400.5	2.5	B31.12-IP-19
44(OCC)		4398.3	183400.5	2.4		5545.8	183400.5	3.0	B31.12-IP-19
45(OCC)		4019.1	183400.5	2.2		5131.6	183400.5	2.8	B31.12-IP-19
46(OCC)		3144.0	183400.5	1.7		4153.6	183400.5	2.3	B31.12-IP-19
47(OCC)		3872.7	183400.5	2.1		4829.0	183400.5	2.6	B31.12-IP-19
48(OCC)		3992.7	183400.5	2.2		5271.5	183400.5	2.9	B31.12-IP-19
49(OCC)		5276.2	183400.5	2.9		6653.2	183400.5	3.6	B31.12-IP-19
50(OCC)		3830.8	183400.5	2.1		7308.1	183400.5	4.0	B31.12-IP-19
51(OCC)		3970.1	183400.5	2.2		5306.3	183400.5	2.9	B31.12-IP-19
52(OCC)		4142.5	183400.5	2.3		5516.4	183400.5	3.0	B31.12-IP-19
53(OCC)		4723.2	183400.5	2.6		5789.3	183400.5	3.2	B31.12-IP-19
54(OCC)		4042.0	183400.5	2.2		5540.6	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	2550	4111.1	137895.1	3.0	2560	5888.8	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		4447.7	137895.1	3.2		6688.3	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		4130.3	137895.1	3.0		5953.1	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		4143.7	137895.1	3.0		5981.4	137895.1	4.3	B31.12-IP-19
14(SUS)		4133.4	137895.1	3.0		5958.2	137895.1	4.3	B31.12-IP-19
24(EXP)		12182.9	340290.1	3.6		36796.1	338049.5	10.9	B31.12-IP-19
25(EXP)		2151.2	340290.1	0.6		6084.4	338049.5	1.8	B31.12-IP-19
26(EXP)		1241.5	340290.1	0.4		3903.8	338049.5	1.2	B31.12-IP-19
27(EXP)		5679.7	340290.1	1.7		16889.3	338049.5	5.0	B31.12-IP-19
28(EXP)		7825.3	340290.1	2.3		22951.4	338049.5	6.8	B31.12-IP-19
42(OCC)		4744.1	183400.5	2.6		7168.6	183400.5	3.9	B31.12-IP-19
43(OCC)		4663.7	183400.5	2.5		6661.8	183400.5	3.6	B31.12-IP-19
44(OCC)		5546.7	183400.5	3.0		8558.2	183400.5	4.7	B31.12-IP-19
45(OCC)		5132.6	183400.5	2.8		7654.6	183400.5	4.2	B31.12-IP-19
46(OCC)		4154.6	183400.5	2.3		6010.8	183400.5	3.3	B31.12-IP-19
47(OCC)		4830.2	183400.5	2.6		7288.9	183400.5	4.0	B31.12-IP-19
48(OCC)		5272.8	183400.5	2.9		8450.7	183400.5	4.6	B31.12-IP-19
49(OCC)		6653.9	183400.5	3.6		11282.5	183400.5	6.2	B31.12-IP-19
50(OCC)		7309.3	183400.5	4.0		15898.5	183400.5	8.7	B31.12-IP-19
51(OCC)		5306.5	183400.5	2.9		8385.5	183400.5	4.6	B31.12-IP-19
52(OCC)		5518.1	183400.5	3.0		8615.6	183400.5	4.7	B31.12-IP-19
53(OCC)		5790.5	183400.5	3.2		8455.0	183400.5	4.6	B31.12-IP-19
54(OCC)		5541.1	183400.5	3.0		9044.3	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	2560	4393.7	137895.1	3.2	2570	4412.3	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4882.6	137895.1	3.5		4516.3	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4505.4	137895.1	3.3		4435.8	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4524.9	137895.1	3.3		4445.2	137895.1	3.2	B31.12-IP-19
14(SUS)		4580.8	137895.1	3.3		4445.4	137895.1	3.2	B31.12-IP-19
24(EXP)		36566.8	339855.2	10.8		5408.9	340221.5	1.6	B31.12-IP-19
25(EXP)		6129.9	339855.2	1.8		1127.1	340221.5	0.3	B31.12-IP-19
26(EXP)		2841.1	339855.2	0.8		809.2	340221.5	0.2	B31.12-IP-19
27(EXP)		15483.2	339855.2	4.6		2803.7	340221.5	0.8	B31.12-IP-19
28(EXP)		21595.4	339855.2	6.4		3917.5	340221.5	1.2	B31.12-IP-19
42(OCC)		5558.5	183400.5	3.0		4684.3	183400.5	2.6	B31.12-IP-19
43(OCC)		5595.0	183400.5	3.1		4747.5	183400.5	2.6	B31.12-IP-19
44(OCC)		6841.4	183400.5	3.7		5257.6	183400.5	2.9	B31.12-IP-19
45(OCC)		6323.5	183400.5	3.4		4896.6	183400.5	2.7	B31.12-IP-19
46(OCC)		4605.8	183400.5	2.5		4452.8	183400.5	2.4	B31.12-IP-19
47(OCC)		5633.4	183400.5	3.1		5006.6	183400.5	2.7	B31.12-IP-19
48(OCC)		5859.0	183400.5	3.2		5378.1	183400.5	2.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		8397.1	183400.5	4.6		6245.8	183400.5	3.4	B31.12-IP-19
50(OCC)		6894.3	183400.5	3.8		6506.9	183400.5	3.5	B31.12-IP-19
51(OCC)		6254.7	183400.5	3.4		4852.9	183400.5	2.6	B31.12-IP-19
52(OCC)		6512.2	183400.5	3.6		5137.9	183400.5	2.8	B31.12-IP-19
53(OCC)		7649.2	183400.5	4.2		5449.6	183400.5	3.0	B31.12-IP-19
54(OCC)		6495.9	183400.5	3.5		5043.6	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	2570	4412.3	137895.1	3.2	2578	4482.7	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4516.3	137895.1	3.3		4521.1	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4435.8	137895.1	3.2		4488.7	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		4445.2	137895.1	3.2		4498.4	137895.1	3.3	B31.12-IP-19
14(SUS)		4445.4	137895.1	3.2		4486.9	137895.1	3.3	B31.12-IP-19
24(EXP)		5408.9	340221.5	1.6		3242.8	340216.8	1.0	B31.12-IP-19
25(EXP)		1127.1	340221.5	0.3		896.7	340216.8	0.3	B31.12-IP-19
26(EXP)		809.2	340221.5	0.2		841.6	340216.8	0.2	B31.12-IP-19
27(EXP)		2803.7	340221.5	0.8		2168.1	340216.8	0.6	B31.12-IP-19
28(EXP)		3917.5	340221.5	1.2		3050.9	340216.8	0.9	B31.12-IP-19
42(OCC)		4684.3	183400.5	2.6		4733.1	183400.5	2.6	B31.12-IP-19
43(OCC)		4747.5	183400.5	2.6		4802.9	183400.5	2.6	B31.12-IP-19
44(OCC)		5257.6	183400.5	2.9		5457.6	183400.5	3.0	B31.12-IP-19
45(OCC)		4896.6	183400.5	2.7		5053.6	183400.5	2.8	B31.12-IP-19
46(OCC)		4452.8	183400.5	2.4		4492.9	183400.5	2.4	B31.12-IP-19
47(OCC)		5006.6	183400.5	2.7		5313.0	183400.5	2.9	B31.12-IP-19
48(OCC)		5378.1	183400.5	2.9		5780.2	183400.5	3.2	B31.12-IP-19
49(OCC)		6245.8	183400.5	3.4		6523.7	183400.5	3.6	B31.12-IP-19
50(OCC)		6506.9	183400.5	3.5		6637.6	183400.5	3.6	B31.12-IP-19
51(OCC)		4852.9	183400.5	2.6		5265.7	183400.5	2.9	B31.12-IP-19
52(OCC)		5137.9	183400.5	2.8		5558.8	183400.5	3.0	B31.12-IP-19
53(OCC)		5449.6	183400.5	3.0		5783.3	183400.5	3.2	B31.12-IP-19
54(OCC)		5043.6	183400.5	2.8		5131.3	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	2578	4799.8	137895.1	3.5	2579	4838.8	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		4881.4	137895.1	3.5		4851.6	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		4814.1	137895.1	3.5		4835.3	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4835.4	137895.1	3.5		4828.9	137895.1	3.5	B31.12-IP-19
14(SUS)		4803.7	137895.1	3.5		4871.7	137895.1	3.5	B31.12-IP-19
24(EXP)		10112.3	339856.5	3.0		10020.8	339866.2	2.9	B31.12-IP-19
25(EXP)		3126.3	339856.5	0.9		1936.0	339866.2	0.6	B31.12-IP-19
26(EXP)		2919.0	339856.5	0.9		2609.6	339866.2	0.8	B31.12-IP-19
27(EXP)		7413.0	339856.5	2.2		5301.6	339866.2	1.6	B31.12-IP-19
28(EXP)		10528.0	339856.5	3.1		7230.3	339866.2	2.1	B31.12-IP-19
42(OCC)		5402.8	183400.5	2.9		5805.1	183400.5	3.2	B31.12-IP-19
43(OCC)		5350.4	183400.5	2.9		5781.2	183400.5	3.2	B31.12-IP-19
44(OCC)		6461.3	183400.5	3.5		7628.7	183400.5	4.2	B31.12-IP-19
45(OCC)		5859.3	183400.5	3.2		6812.0	183400.5	3.7	B31.12-IP-19
46(OCC)		4811.7	183400.5	2.6		4883.0	183400.5	2.7	B31.12-IP-19
47(OCC)		6388.6	183400.5	3.5		7206.0	183400.5	3.9	B31.12-IP-19
48(OCC)		7289.4	183400.5	4.0		6945.1	183400.5	3.8	B31.12-IP-19
49(OCC)		7989.4	183400.5	4.4		9852.6	183400.5	5.4	B31.12-IP-19
50(OCC)		7651.0	183400.5	4.2		7407.2	183400.5	4.0	B31.12-IP-19
51(OCC)		6442.4	183400.5	3.5		7519.6	183400.5	4.1	B31.12-IP-19
52(OCC)		6841.3	183400.5	3.7		7436.2	183400.5	4.1	B31.12-IP-19
53(OCC)		7309.1	183400.5	4.0		8313.8	183400.5	4.5	B31.12-IP-19
54(OCC)		5794.6	183400.5	3.2		7034.5	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	2579	4838.8	137895.1	3.5	2580	7256.9	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		4851.6	137895.1	3.5		7392.0	137895.1	5.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		4835.3	137895.1	3.5		7315.3	137895.1	5.3	B31.12-IP-19
8(Alt-SUS)		4828.9	137895.1	3.5		7321.8	137895.1	5.3	B31.12-IP-19
14(SUS)		4871.7	137895.1	3.5		7388.7	137895.1	5.4	B31.12-IP-19
24(EXP)		10020.8	339866.2	2.9		21094.6	337345.8	6.3	B31.12-IP-19
25(EXP)		1936.0	339866.2	0.6		2805.6	337345.8	0.8	B31.12-IP-19
26(EXP)		2609.6	339866.2	0.8		1481.6	337345.8	0.4	B31.12-IP-19
27(EXP)		5301.6	339866.2	1.6		6595.3	337345.8	2.0	B31.12-IP-19
28(EXP)		7230.3	339866.2	2.1		9331.7	337345.8	2.8	B31.12-IP-19
42(OCC)		5805.1	183400.5	3.2		8694.0	183400.5	4.7	B31.12-IP-19
43(OCC)		5781.2	183400.5	3.2		8732.7	183400.5	4.8	B31.12-IP-19
44(OCC)		7628.7	183400.5	4.2		11278.9	183400.5	6.1	B31.12-IP-19
45(OCC)		6812.0	183400.5	3.7		10102.5	183400.5	5.5	B31.12-IP-19
46(OCC)		4883.0	183400.5	2.7		7411.6	183400.5	4.0	B31.12-IP-19
47(OCC)		7206.0	183400.5	3.9		9620.5	183400.5	5.2	B31.12-IP-19
48(OCC)		6945.1	183400.5	3.8		9074.4	183400.5	4.9	B31.12-IP-19
49(OCC)		9852.6	183400.5	5.4		15708.9	183400.5	8.6	B31.12-IP-19
50(OCC)		7407.2	183400.5	4.0		11632.7	183400.5	6.3	B31.12-IP-19
51(OCC)		7519.6	183400.5	4.1		11243.6	183400.5	6.1	B31.12-IP-19
52(OCC)		7436.2	183400.5	4.1		11784.0	183400.5	6.4	B31.12-IP-19
53(OCC)		8313.8	183400.5	4.5		11133.3	183400.5	6.1	B31.12-IP-19
54(OCC)		7034.5	183400.5	3.8		11665.8	183400.5	6.4	B31.12-IP-19
2(Alt-SUS)	2580	5223.8	137895.1	3.8	2590	5536.9	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5268.6	137895.1	3.8		5587.4	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		5242.4	137895.1	3.8		5558.1	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5244.9	137895.1	3.8		5561.7	137895.1	4.0	B31.12-IP-19
14(SUS)		5267.6	137895.1	3.8		5584.7	137895.1	4.0	B31.12-IP-19
24(EXP)		6441.6	339469.2	1.9		7437.4	339150.5	2.2	B31.12-IP-19
25(EXP)		1047.3	339469.2	0.3		1233.7	339150.5	0.4	B31.12-IP-19
26(EXP)		621.1	339469.2	0.2		624.8	339150.5	0.2	B31.12-IP-19
27(EXP)		2473.9	339469.2	0.7		2870.4	339150.5	0.8	B31.12-IP-19
28(EXP)		3502.6	339469.2	1.0		4086.1	339150.5	1.2	B31.12-IP-19
42(OCC)		5786.5	183400.5	3.2		6141.9	183400.5	3.3	B31.12-IP-19
43(OCC)		5813.3	183400.5	3.2		6163.8	183400.5	3.4	B31.12-IP-19
44(OCC)		6817.0	183400.5	3.7		7171.0	183400.5	3.9	B31.12-IP-19
45(OCC)		6335.0	183400.5	3.5		6679.0	183400.5	3.6	B31.12-IP-19
46(OCC)		5276.9	183400.5	2.9		5594.8	183400.5	3.1	B31.12-IP-19
47(OCC)		6472.2	183400.5	3.5		6888.5	183400.5	3.8	B31.12-IP-19
48(OCC)		6705.6	183400.5	3.7		6987.4	183400.5	3.8	B31.12-IP-19
49(OCC)		8566.0	183400.5	4.7		9093.3	183400.5	5.0	B31.12-IP-19
50(OCC)		7336.5	183400.5	4.0		7640.2	183400.5	4.2	B31.12-IP-19
51(OCC)		6986.9	183400.5	3.8		7470.9	183400.5	4.1	B31.12-IP-19
52(OCC)		7226.7	183400.5	3.9		7728.6	183400.5	4.2	B31.12-IP-19
53(OCC)		6880.7	183400.5	3.8		7125.5	183400.5	3.9	B31.12-IP-19
54(OCC)		6904.5	183400.5	3.8		7406.1	183400.5	4.0	B31.12-IP-19
2(Alt-SUS)	2590	5536.9	137895.1	4.0	2600	7753.0	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		5587.4	137895.1	4.1		7653.9	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		5558.1	137895.1	4.0		7669.0	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		5561.7	137895.1	4.0		7666.4	137895.1	5.6	B31.12-IP-19
14(SUS)		5583.4	137895.1	4.0		7639.9	137895.1	5.5	B31.12-IP-19
24(EXP)		7437.4	339150.5	2.2		7506.7	336984.8	2.2	B31.12-IP-19
25(EXP)		1233.7	339150.5	0.4		1329.9	336984.8	0.4	B31.12-IP-19
26(EXP)		624.8	339150.5	0.2		758.1	336984.8	0.2	B31.12-IP-19
27(EXP)		2870.4	339150.5	0.8		3215.0	336984.8	1.0	B31.12-IP-19
28(EXP)		4086.1	339150.5	1.2		4530.2	336984.8	1.3	B31.12-IP-19
42(OCC)		6148.7	183400.5	3.4		8094.3	183400.5	4.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		6189.4	183400.5	3.4		8204.2	183400.5	4.5	B31.12-IP-19
44(OCC)		7168.1	183400.5	3.9		9108.4	183400.5	5.0	B31.12-IP-19
45(OCC)		6676.0	183400.5	3.6		8655.4	183400.5	4.7	B31.12-IP-19
46(OCC)		5593.7	183400.5	3.1		7648.2	183400.5	4.2	B31.12-IP-19
47(OCC)		6933.4	183400.5	3.8		11325.0	183400.5	6.2	B31.12-IP-19
48(OCC)		7003.3	183400.5	3.8		12275.0	183400.5	6.7	B31.12-IP-19
49(OCC)		9364.9	183400.5	5.1		9580.7	183400.5	5.2	B31.12-IP-19
50(OCC)		7834.0	183400.5	4.3		10764.7	183400.5	5.9	B31.12-IP-19
51(OCC)		7986.4	183400.5	4.4		11476.0	183400.5	6.3	B31.12-IP-19
52(OCC)		8251.2	183400.5	4.5		11916.2	183400.5	6.5	B31.12-IP-19
53(OCC)		7109.1	183400.5	3.9		11471.1	183400.5	6.3	B31.12-IP-19
54(OCC)		7645.4	183400.5	4.2		8808.0	183400.5	4.8	B31.12-IP-19
2(Alt-SUS)	2600	0.0	0.0	0.0	2610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2610	0.0	0.0	0.0	2620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2620	0.0	0.0	0.0	2630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2630	58993.3	137895.1	42.8	2640	72891.2	137895.1	52.9	B31.12-IP-19
4(Alt-SUS)		58643.5	137895.1	42.5		71871.9	137895.1	52.1	B31.12-IP-19
6(Alt-SUS)		58534.9	137895.1	42.4		71528.2	137895.1	51.9	B31.12-IP-19
8(Alt-SUS)		58537.9	137895.1	42.5		71538.6	137895.1	51.9	B31.12-IP-19
14(SUS)		58526.1	137895.1	42.4		71519.0	137895.1	51.9	B31.12-IP-19
24(EXP)		10152.7	285744.6	3.6		31320.0	271846.7	11.5	B31.12-IP-19
25(EXP)		2674.0	285744.6	0.9		8446.3	271846.7	3.1	B31.12-IP-19
26(EXP)		1885.3	285744.6	0.7		5957.4	271846.7	2.2	B31.12-IP-19
27(EXP)		6660.7	285744.6	2.3		21020.5	271846.7	7.7	B31.12-IP-19
28(EXP)		9333.3	285744.6	3.3		29465.2	271846.7	10.8	B31.12-IP-19
42(OCC)		58834.5	183400.5	32.1		72076.1	183400.5	39.3	B31.12-IP-19
43(OCC)		58968.3	183400.5	32.2		72178.3	183400.5	39.4	B31.12-IP-19
44(OCC)		59237.8	183400.5	32.3		72783.3	183400.5	39.7	B31.12-IP-19
45(OCC)		59034.1	183400.5	32.2		72456.7	183400.5	39.5	B31.12-IP-19
46(OCC)		58540.5	183400.5	31.9		71562.5	183400.5	39.0	B31.12-IP-19
47(OCC)		69900.3	183400.5	38.1		93354.5	183400.5	50.9	B31.12-IP-19
48(OCC)		68406.0	183400.5	37.3		88232.2	183400.5	48.1	B31.12-IP-19
49(OCC)		64300.9	183400.5	35.1		79985.8	183400.5	43.6	B31.12-IP-19
50(OCC)		67456.9	183400.5	36.8		89915.1	183400.5	49.0	B31.12-IP-19
51(OCC)		69516.2	183400.5	37.9		90576.0	183400.5	49.4	B31.12-IP-19
52(OCC)		69716.9	183400.5	38.0		92068.8	183400.5	50.2	B31.12-IP-19
53(OCC)		68130.2	183400.5	37.1		91275.9	183400.5	49.8	B31.12-IP-19
54(OCC)		64849.2	183400.5	35.4		81552.0	183400.5	44.5	B31.12-IP-19
2(Alt-SUS)	2560	5331.0	137895.1	3.9	2648	4702.4	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		5344.6	137895.1	3.9		4676.7	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		5356.8	137895.1	3.9		4703.6	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		5363.7	137895.1	3.9		4708.1	137895.1	3.4	B31.12-IP-19
14(SUS)		5363.7	137895.1	3.9		4707.4	137895.1	3.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		26845.3	339374.1	7.9		8283.7	340029.7	2.4	B31.12-IP-19
25(EXP)		4810.1	339374.1	1.4		1439.8	340029.7	0.4	B31.12-IP-19
26(EXP)		2567.0	339374.1	0.8		647.6	340029.7	0.2	B31.12-IP-19
27(EXP)		11726.0	339374.1	3.5		3392.8	340029.7	1.0	B31.12-IP-19
28(EXP)		16524.1	339374.1	4.9		4827.7	340029.7	1.4	B31.12-IP-19
42(OCC)		6178.5	183400.5	3.4		5110.9	183400.5	2.8	B31.12-IP-19
43(OCC)		5927.3	183400.5	3.2		5020.3	183400.5	2.7	B31.12-IP-19
44(OCC)		6335.5	183400.5	3.5		5448.1	183400.5	3.0	B31.12-IP-19
45(OCC)		6161.2	183400.5	3.4		5209.0	183400.5	2.8	B31.12-IP-19
46(OCC)		5374.1	183400.5	2.9		4711.1	183400.5	2.6	B31.12-IP-19
47(OCC)		5859.3	183400.5	3.2		5268.4	183400.5	2.9	B31.12-IP-19
48(OCC)		6106.5	183400.5	3.3		5263.0	183400.5	2.9	B31.12-IP-19
49(OCC)		7518.6	183400.5	4.1		6227.7	183400.5	3.4	B31.12-IP-19
50(OCC)		6969.2	183400.5	3.8		5016.3	183400.5	2.7	B31.12-IP-19
51(OCC)		6870.1	183400.5	3.7		5491.8	183400.5	3.0	B31.12-IP-19
52(OCC)		6227.7	183400.5	3.4		5392.9	183400.5	2.9	B31.12-IP-19
53(OCC)		6746.1	183400.5	3.7		5745.3	183400.5	3.1	B31.12-IP-19
54(OCC)		6660.1	183400.5	3.6		5369.5	183400.5	2.9	B31.12-IP-19
2(Alt-SUS)	2648	5656.3	137895.1	4.1	2649	5248.1	137895.1	3.8	B31.12-IP-19
4(Alt-SUS)		5597.6	137895.1	4.1		5137.9	137895.1	3.7	B31.12-IP-19
6(Alt-SUS)		5660.5	137895.1	4.1		5225.8	137895.1	3.8	B31.12-IP-19
8(Alt-SUS)		5671.7	137895.1	4.1		5238.9	137895.1	3.8	B31.12-IP-19
14(SUS)		5667.5	137895.1	4.1		5232.0	137895.1	3.8	B31.12-IP-19
24(EXP)		24936.2	339066.2	7.4		15367.8	339489.8	4.5	B31.12-IP-19
25(EXP)		4487.7	339066.2	1.3		2781.8	339489.8	0.8	B31.12-IP-19
26(EXP)		2044.7	339066.2	0.6		1273.9	339489.8	0.4	B31.12-IP-19
27(EXP)		10472.6	339066.2	3.1		6545.7	339489.8	1.9	B31.12-IP-19
28(EXP)		14940.2	339066.2	4.4		9300.9	339489.8	2.7	B31.12-IP-19
42(OCC)		6429.1	183400.5	3.5		5680.4	183400.5	3.1	B31.12-IP-19
43(OCC)		6286.9	183400.5	3.4		5748.4	183400.5	3.1	B31.12-IP-19
44(OCC)		7125.5	183400.5	3.9		6524.3	183400.5	3.6	B31.12-IP-19
45(OCC)		6736.8	183400.5	3.7		6185.3	183400.5	3.4	B31.12-IP-19
46(OCC)		5675.7	183400.5	3.1		5235.8	183400.5	2.9	B31.12-IP-19
47(OCC)		6532.4	183400.5	3.6		6187.3	183400.5	3.4	B31.12-IP-19
48(OCC)		6698.1	183400.5	3.7		6168.6	183400.5	3.4	B31.12-IP-19
49(OCC)		8623.5	183400.5	4.7		7529.5	183400.5	4.1	B31.12-IP-19
50(OCC)		6201.7	183400.5	3.4		5810.9	183400.5	3.2	B31.12-IP-19
51(OCC)		7307.6	183400.5	4.0		6158.2	183400.5	3.4	B31.12-IP-19
52(OCC)		6971.3	183400.5	3.8		6312.2	183400.5	3.4	B31.12-IP-19
53(OCC)		7709.4	183400.5	4.2		7065.5	183400.5	3.9	B31.12-IP-19
54(OCC)		7181.7	183400.5	3.9		6335.9	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	2649	5248.1	137895.1	3.8	2650	4371.5	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		5137.9	137895.1	3.7		4301.9	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		5225.8	137895.1	3.8		4336.1	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		5238.9	137895.1	3.8		4343.4	137895.1	3.1	B31.12-IP-19
14(SUS)		5232.0	137895.1	3.8		4328.2	137895.1	3.1	B31.12-IP-19
24(EXP)		15367.8	339489.8	4.5		13767.4	340366.3	4.0	B31.12-IP-19
25(EXP)		2781.8	339489.8	0.8		2392.3	340366.3	0.7	B31.12-IP-19
26(EXP)		1273.9	339489.8	0.4		1175.1	340366.3	0.3	B31.12-IP-19
27(EXP)		6545.7	339489.8	1.9		6088.3	340366.3	1.8	B31.12-IP-19
28(EXP)		9300.9	339489.8	2.7		8477.8	340366.3	2.5	B31.12-IP-19
42(OCC)		5680.4	183400.5	3.1		4973.9	183400.5	2.7	B31.12-IP-19
43(OCC)		5748.4	183400.5	3.1		4737.2	183400.5	2.6	B31.12-IP-19
44(OCC)		6524.3	183400.5	3.6		5469.4	183400.5	3.0	B31.12-IP-19
45(OCC)		6185.3	183400.5	3.4		5088.6	183400.5	2.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		5235.8	183400.5	2.9		4333.6	183400.5	2.4	B31.12-IP-19
47(OCC)		6187.3	183400.5	3.4		5164.7	183400.5	2.8	B31.12-IP-19
48(OCC)		6168.6	183400.5	3.4		5192.2	183400.5	2.8	B31.12-IP-19
49(OCC)		7529.5	183400.5	4.1		6346.4	183400.5	3.5	B31.12-IP-19
50(OCC)		5810.9	183400.5	3.2		5224.5	183400.5	2.8	B31.12-IP-19
51(OCC)		6158.2	183400.5	3.4		5193.3	183400.5	2.8	B31.12-IP-19
52(OCC)		6312.2	183400.5	3.4		5158.6	183400.5	2.8	B31.12-IP-19
53(OCC)		7065.5	183400.5	3.9		5966.3	183400.5	3.3	B31.12-IP-19
54(OCC)		6335.9	183400.5	3.5		5021.6	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	2650	4180.4	137895.1	3.0	2658	4217.3	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4148.3	137895.1	3.0		4193.4	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4164.3	137895.1	3.0		4214.4	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4167.1	137895.1	3.0		4214.2	137895.1	3.1	B31.12-IP-19
14(SUS)		4161.4	137895.1	3.0		4220.4	137895.1	3.1	B31.12-IP-19
24(EXP)		8998.3	340557.5	2.6		10002.2	340517.4	2.9	B31.12-IP-19
25(EXP)		1515.3	340557.5	0.4		1776.3	340517.4	0.5	B31.12-IP-19
26(EXP)		551.6	340557.5	0.2		736.6	340517.4	0.2	B31.12-IP-19
27(EXP)		3616.6	340557.5	1.1		4168.9	340517.4	1.2	B31.12-IP-19
28(EXP)		5131.0	340557.5	1.5		5944.2	340517.4	1.7	B31.12-IP-19
42(OCC)		4603.1	183400.5	2.5		4638.7	183400.5	2.5	B31.12-IP-19
43(OCC)		4559.7	183400.5	2.5		4665.1	183400.5	2.5	B31.12-IP-19
44(OCC)		5178.1	183400.5	2.8		5289.1	183400.5	2.9	B31.12-IP-19
45(OCC)		4837.4	183400.5	2.6		4922.2	183400.5	2.7	B31.12-IP-19
46(OCC)		4164.4	183400.5	2.3		4224.0	183400.5	2.3	B31.12-IP-19
47(OCC)		4780.0	183400.5	2.6		4788.8	183400.5	2.6	B31.12-IP-19
48(OCC)		4874.3	183400.5	2.7		5014.1	183400.5	2.7	B31.12-IP-19
49(OCC)		6011.6	183400.5	3.3		6226.8	183400.5	3.4	B31.12-IP-19
50(OCC)		4656.1	183400.5	2.5		4934.3	183400.5	2.7	B31.12-IP-19
51(OCC)		4876.5	183400.5	2.7		4940.0	183400.5	2.7	B31.12-IP-19
52(OCC)		4938.7	183400.5	2.7		5119.5	183400.5	2.8	B31.12-IP-19
53(OCC)		5563.4	183400.5	3.0		5648.2	183400.5	3.1	B31.12-IP-19
54(OCC)		4816.2	183400.5	2.6		4936.4	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	2658	4417.6	137895.1	3.2	2659	4754.9	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		4367.1	137895.1	3.2		4631.8	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		4409.3	137895.1	3.2		4716.3	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		4407.9	137895.1	3.2		4726.2	137895.1	3.4	B31.12-IP-19
14(SUS)		4421.6	137895.1	3.2		4709.7	137895.1	3.4	B31.12-IP-19
24(EXP)		18554.4	340316.3	5.5		10864.4	339983.0	3.2	B31.12-IP-19
25(EXP)		3582.2	340316.3	1.1		2252.9	339983.0	0.7	B31.12-IP-19
26(EXP)		1822.6	340316.3	0.5		1433.8	339983.0	0.4	B31.12-IP-19
27(EXP)		8424.1	340316.3	2.5		4945.5	339983.0	1.5	B31.12-IP-19
28(EXP)		11999.7	340316.3	3.5		7169.9	339983.0	2.1	B31.12-IP-19
42(OCC)		4968.6	183400.5	2.7		5320.4	183400.5	2.9	B31.12-IP-19
43(OCC)		5039.0	183400.5	2.7		5451.9	183400.5	3.0	B31.12-IP-19
44(OCC)		5789.9	183400.5	3.2		6513.3	183400.5	3.6	B31.12-IP-19
45(OCC)		5283.4	183400.5	2.9		5718.0	183400.5	3.1	B31.12-IP-19
46(OCC)		4429.7	183400.5	2.4		4719.3	183400.5	2.6	B31.12-IP-19
47(OCC)		5030.1	183400.5	2.7		6347.0	183400.5	3.5	B31.12-IP-19
48(OCC)		5633.2	183400.5	3.1		6462.7	183400.5	3.5	B31.12-IP-19
49(OCC)		7145.3	183400.5	3.9		8279.2	183400.5	4.5	B31.12-IP-19
50(OCC)		6124.5	183400.5	3.3		7363.9	183400.5	4.0	B31.12-IP-19
51(OCC)		5293.0	183400.5	2.9		5762.3	183400.5	3.1	B31.12-IP-19
52(OCC)		5749.2	183400.5	3.1		6150.7	183400.5	3.4	B31.12-IP-19
53(OCC)		6128.5	183400.5	3.3		7064.9	183400.5	3.9	B31.12-IP-19
54(OCC)		5371.9	183400.5	2.9		5575.0	183400.5	3.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	2659	4754.9	137895.1	3.4	2660	4576.2	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4631.8	137895.1	3.4		4435.8	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4716.3	137895.1	3.4		4518.5	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		4726.2	137895.1	3.4		4533.7	137895.1	3.3	B31.12-IP-19
14(SUS)		4709.7	137895.1	3.4		4496.5	137895.1	3.3	B31.12-IP-19
24(EXP)		10864.4	339983.0	3.2		17284.9	340161.6	5.1	B31.12-IP-19
25(EXP)		2252.9	339983.0	0.7		2820.4	340161.6	0.8	B31.12-IP-19
26(EXP)		1433.8	339983.0	0.4		997.7	340161.6	0.3	B31.12-IP-19
27(EXP)		4945.5	339983.0	1.5		6750.7	340161.6	2.0	B31.12-IP-19
28(EXP)		7169.9	339983.0	2.1		9543.7	340161.6	2.8	B31.12-IP-19
42(OCC)		5320.4	183400.5	2.9		5853.1	183400.5	3.2	B31.12-IP-19
43(OCC)		5451.9	183400.5	3.0		5209.7	183400.5	2.8	B31.12-IP-19
44(OCC)		6513.3	183400.5	3.6		7123.9	183400.5	3.9	B31.12-IP-19
45(OCC)		5718.0	183400.5	3.1		6008.6	183400.5	3.3	B31.12-IP-19
46(OCC)		4719.3	183400.5	2.6		4506.2	183400.5	2.5	B31.12-IP-19
47(OCC)		6347.0	183400.5	3.5		7342.6	183400.5	4.0	B31.12-IP-19
48(OCC)		6462.7	183400.5	3.5		6322.7	183400.5	3.4	B31.12-IP-19
49(OCC)		8279.2	183400.5	4.5		9581.1	183400.5	5.2	B31.12-IP-19
50(OCC)		7363.9	183400.5	4.0		8067.0	183400.5	4.4	B31.12-IP-19
51(OCC)		5762.3	183400.5	3.1		6641.7	183400.5	3.6	B31.12-IP-19
52(OCC)		6150.7	183400.5	3.4		5953.1	183400.5	3.2	B31.12-IP-19
53(OCC)		7064.9	183400.5	3.9		7960.6	183400.5	4.3	B31.12-IP-19
54(OCC)		5575.0	183400.5	3.0		5784.3	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	2660	4297.5	137895.1	3.1	1070	4430.4	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4232.7	137895.1	3.1		4293.2	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4272.4	137895.1	3.1		4397.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4278.6	137895.1	3.1		4409.8	137895.1	3.2	B31.12-IP-19
14(SUS)		4262.9	137895.1	3.1		4398.1	137895.1	3.2	B31.12-IP-19
24(EXP)		10180.5	340440.3	3.0		9487.1	340307.5	2.8	B31.12-IP-19
25(EXP)		1994.1	340440.3	0.6		2173.6	340307.5	0.6	B31.12-IP-19
26(EXP)		959.1	340440.3	0.3		1169.5	340307.5	0.3	B31.12-IP-19
27(EXP)		4495.2	340440.3	1.3		4621.2	340307.5	1.4	B31.12-IP-19
28(EXP)		6484.8	340440.3	1.9		6785.8	340307.5	2.0	B31.12-IP-19
42(OCC)		4821.7	183400.5	2.6		5572.2	183400.5	3.0	B31.12-IP-19
43(OCC)		4646.0	183400.5	2.5		5048.3	183400.5	2.8	B31.12-IP-19
44(OCC)		5431.8	183400.5	3.0		5513.9	183400.5	3.0	B31.12-IP-19
45(OCC)		4956.8	183400.5	2.7		5023.0	183400.5	2.7	B31.12-IP-19
46(OCC)		4266.9	183400.5	2.3		4401.4	183400.5	2.4	B31.12-IP-19
47(OCC)		5398.4	183400.5	2.9		6465.9	183400.5	3.5	B31.12-IP-19
48(OCC)		5097.6	183400.5	2.8		4932.3	183400.5	2.7	B31.12-IP-19
49(OCC)		6590.9	183400.5	3.6		6665.1	183400.5	3.6	B31.12-IP-19
50(OCC)		5599.7	183400.5	3.1		6206.2	183400.5	3.4	B31.12-IP-19
51(OCC)		5183.3	183400.5	2.8		6088.0	183400.5	3.3	B31.12-IP-19
52(OCC)		5183.5	183400.5	2.8		5329.6	183400.5	2.9	B31.12-IP-19
53(OCC)		5788.8	183400.5	3.2		5758.9	183400.5	3.1	B31.12-IP-19
54(OCC)		4974.5	183400.5	2.7		5105.2	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	2640	71484.2	137895.1	51.8	2690	52463.7	137895.1	38.0	B31.12-IP-19
4(Alt-SUS)		70502.2	137895.1	51.1		52035.2	137895.1	37.7	B31.12-IP-19
6(Alt-SUS)		70170.3	137895.1	50.9		51888.3	137895.1	37.6	B31.12-IP-19
8(Alt-SUS)		70178.5	137895.1	50.9		51893.1	137895.1	37.6	B31.12-IP-19
14(SUS)		70163.2	137895.1	50.9		51885.3	137895.1	37.6	B31.12-IP-19
24(EXP)		40017.9	273253.7	14.6		9324.1	292274.2	3.2	B31.12-IP-19
25(EXP)		10751.3	273253.7	3.9		2543.5	292274.2	0.9	B31.12-IP-19
26(EXP)		7651.7	273253.7	2.8		1797.2	292274.2	0.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		27121.3	273253.7	9.9		6345.8	292274.2	2.2	B31.12-IP-19
28(EXP)		37870.9	273253.7	13.9		8886.5	292274.2	3.0	B31.12-IP-19
42(OCC)		70765.1	183400.5	38.6		52092.5	183400.5	28.4	B31.12-IP-19
43(OCC)		70823.0	183400.5	38.6		52150.6	183400.5	28.4	B31.12-IP-19
44(OCC)		71150.4	183400.5	38.8		52202.2	183400.5	28.5	B31.12-IP-19
45(OCC)		70803.9	183400.5	38.6		52099.0	183400.5	28.4	B31.12-IP-19
46(OCC)		70205.8	183400.5	38.3		51905.1	183400.5	28.3	B31.12-IP-19
47(OCC)		91579.7	183400.5	49.9		57717.5	183400.5	31.5	B31.12-IP-19
48(OCC)		86823.6	183400.5	47.3		56742.0	183400.5	30.9	B31.12-IP-19
49(OCC)		83894.3	183400.5	45.7		56795.9	183400.5	31.0	B31.12-IP-19
50(OCC)		82304.9	183400.5	44.9		55781.3	183400.5	30.4	B31.12-IP-19
51(OCC)		86521.1	183400.5	47.2		56975.1	183400.5	31.1	B31.12-IP-19
52(OCC)		91731.9	183400.5	50.0		58312.9	183400.5	31.8	B31.12-IP-19
53(OCC)		83689.5	183400.5	45.6		56179.5	183400.5	30.6	B31.12-IP-19
54(OCC)		85030.4	183400.5	46.4		57053.7	183400.5	31.1	B31.12-IP-19
2(Alt-SUS)	2690	52463.7	137895.1	38.0	2700	41007.1	137895.1	29.7	B31.12-IP-19
4(Alt-SUS)		52035.2	137895.1	37.7		39823.8	137895.1	28.9	B31.12-IP-19
6(Alt-SUS)		51888.3	137895.1	37.6		39402.2	137895.1	28.6	B31.12-IP-19
8(Alt-SUS)		51893.1	137895.1	37.6		39417.7	137895.1	28.6	B31.12-IP-19
14(SUS)		51885.3	137895.1	37.6		39402.1	137895.1	28.6	B31.12-IP-19
24(EXP)		9324.1	292274.2	3.2		13197.1	303730.7	4.3	B31.12-IP-19
25(EXP)		2543.5	292274.2	0.9		3745.1	303730.7	1.2	B31.12-IP-19
26(EXP)		1797.2	292274.2	0.6		2571.3	303730.7	0.8	B31.12-IP-19
27(EXP)		6345.8	292274.2	2.2		9068.1	303730.7	3.0	B31.12-IP-19
28(EXP)		8886.5	292274.2	3.0		12803.1	303730.7	4.2	B31.12-IP-19
42(OCC)		52092.5	183400.5	28.4		39678.2	183400.5	21.6	B31.12-IP-19
43(OCC)		52150.6	183400.5	28.4		39812.2	183400.5	21.7	B31.12-IP-19
44(OCC)		52202.2	183400.5	28.5		39799.0	183400.5	21.7	B31.12-IP-19
45(OCC)		52099.0	183400.5	28.4		39656.4	183400.5	21.6	B31.12-IP-19
46(OCC)		51905.1	183400.5	28.3		39457.8	183400.5	21.5	B31.12-IP-19
47(OCC)		57717.5	183400.5	31.5		46586.2	183400.5	25.4	B31.12-IP-19
48(OCC)		56742.0	183400.5	30.9		45349.5	183400.5	24.7	B31.12-IP-19
49(OCC)		56795.9	183400.5	31.0		45741.5	183400.5	24.9	B31.12-IP-19
50(OCC)		55781.3	183400.5	30.4		43802.4	183400.5	23.9	B31.12-IP-19
51(OCC)		56975.1	183400.5	31.1		45519.8	183400.5	24.8	B31.12-IP-19
52(OCC)		58312.9	183400.5	31.8		47719.9	183400.5	26.0	B31.12-IP-19
53(OCC)		56179.5	183400.5	30.6		44319.1	183400.5	24.2	B31.12-IP-19
54(OCC)		57053.7	183400.5	31.1		46096.8	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	2700	0.0	0.0	0.0	2710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2640	31679.6	137895.1	23.0	3120	26788.3	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		32397.9	137895.1	23.5		26543.8	137895.1	19.2	B31.12-IP-19
6(Alt-SUS)		32611.1	137895.1	23.6		26470.9	137895.1	19.2	B31.12-IP-19
8(Alt-SUS)		32563.7	137895.1	23.6		26488.0	137895.1	19.2	B31.12-IP-19
14(SUS)		32671.0	137895.1	23.7		26447.7	137895.1	19.2	B31.12-IP-19
24(EXP)		40295.6	312066.8	12.9		14699.3	317949.6	4.6	B31.12-IP-19
25(EXP)		9604.0	312066.8	3.1		3718.9	317949.6	1.2	B31.12-IP-19
26(EXP)		6721.1	312066.8	2.2		2635.0	317949.6	0.8	B31.12-IP-19
27(EXP)		25771.4	312066.8	8.3		9782.4	317949.6	3.1	B31.12-IP-19
28(EXP)		35366.5	312066.8	11.3		13499.1	317949.6	4.2	B31.12-IP-19
42(OCC)		32925.2	183400.5	18.0		26658.9	183400.5	14.5	B31.12-IP-19
43(OCC)		33786.1	183400.5	18.4		26961.9	183400.5	14.7	B31.12-IP-19
44(OCC)		34612.0	183400.5	18.9		27257.3	183400.5	14.9	B31.12-IP-19
45(OCC)		33912.9	183400.5	18.5		27086.1	183400.5	14.8	B31.12-IP-19
46(OCC)		32687.8	183400.5	17.8		26453.9	183400.5	14.4	B31.12-IP-19
47(OCC)		45944.3	183400.5	25.1		29447.2	183400.5	16.1	B31.12-IP-19
48(OCC)		38206.3	183400.5	20.8		29578.0	183400.5	16.1	B31.12-IP-19
49(OCC)		44529.6	183400.5	24.3		34836.8	183400.5	19.0	B31.12-IP-19
50(OCC)		47969.0	183400.5	26.2		37017.9	183400.5	20.2	B31.12-IP-19
51(OCC)		42785.1	183400.5	23.3		31463.5	183400.5	17.2	B31.12-IP-19
52(OCC)		42981.5	183400.5	23.4		27973.9	183400.5	15.3	B31.12-IP-19
53(OCC)		45706.0	183400.5	24.9		36656.3	183400.5	20.0	B31.12-IP-19
54(OCC)		49409.8	183400.5	26.9		35783.6	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	3120	26788.3	137895.1	19.4	3130	25650.0	137895.1	18.6	B31.12-IP-19
4(Alt-SUS)		26543.8	137895.1	19.2		25141.4	137895.1	18.2	B31.12-IP-19
6(Alt-SUS)		26470.9	137895.1	19.2		24990.8	137895.1	18.1	B31.12-IP-19
8(Alt-SUS)		26488.0	137895.1	19.2		25027.2	137895.1	18.1	B31.12-IP-19
14(SUS)		26447.7	137895.1	19.2		24942.4	137895.1	18.1	B31.12-IP-19
24(EXP)		14699.3	317949.6	4.6		35686.3	319087.8	11.2	B31.12-IP-19
25(EXP)		3718.9	317949.6	1.2		9238.1	319087.8	2.9	B31.12-IP-19
26(EXP)		2635.0	317949.6	0.8		6570.1	319087.8	2.1	B31.12-IP-19
27(EXP)		9782.4	317949.6	3.1		24074.7	319087.8	7.5	B31.12-IP-19
28(EXP)		13499.1	317949.6	4.2		33308.4	319087.8	10.4	B31.12-IP-19
42(OCC)		26658.9	183400.5	14.5		25627.2	183400.5	14.0	B31.12-IP-19
43(OCC)		26961.9	183400.5	14.7		26265.5	183400.5	14.3	B31.12-IP-19
44(OCC)		27257.3	183400.5	14.9		26748.2	183400.5	14.6	B31.12-IP-19
45(OCC)		27086.1	183400.5	14.8		26444.7	183400.5	14.4	B31.12-IP-19
46(OCC)		26453.9	183400.5	14.4		24954.4	183400.5	13.6	B31.12-IP-19
47(OCC)		29447.2	183400.5	16.1		32311.6	183400.5	17.6	B31.12-IP-19
48(OCC)		29578.0	183400.5	16.1		32107.4	183400.5	17.5	B31.12-IP-19
49(OCC)		34836.8	183400.5	19.0		45564.0	183400.5	24.8	B31.12-IP-19
50(OCC)		37017.9	183400.5	20.2		50344.4	183400.5	27.5	B31.12-IP-19
51(OCC)		31463.5	183400.5	17.2		35970.4	183400.5	19.6	B31.12-IP-19
52(OCC)		27973.9	183400.5	15.3		31693.3	183400.5	17.3	B31.12-IP-19
53(OCC)		36656.3	183400.5	20.0		50252.4	183400.5	27.4	B31.12-IP-19
54(OCC)		35783.6	183400.5	19.5		46265.1	183400.5	25.2	B31.12-IP-19
2(Alt-SUS)	3130	0.0	0.0	0.0	2420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	2230	0.0	0.0	0.0	3190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	3190	43672.2	137895.1	31.7	3200	45719.6	137895.1	33.2	B31.12-IP-19
4(Alt-SUS)		44021.6	137895.1	31.9		47138.2	137895.1	34.2	B31.12-IP-19
6(Alt-SUS)		44171.6	137895.1	32.0		47684.0	137895.1	34.6	B31.12-IP-19
8(Alt-SUS)		44162.0	137895.1	32.0		47657.4	137895.1	34.6	B31.12-IP-19
14(SUS)		44158.2	137895.1	32.0		47664.2	137895.1	34.6	B31.12-IP-19
24(EXP)		11498.2	300566.3	3.8		9306.3	297053.8	3.1	B31.12-IP-19
25(EXP)		3265.7	300566.3	1.1		3077.6	297053.8	1.0	B31.12-IP-19
26(EXP)		2379.2	300566.3	0.8		2311.4	297053.8	0.8	B31.12-IP-19
27(EXP)		8099.3	300566.3	2.7		7499.8	297053.8	2.5	B31.12-IP-19
28(EXP)		11352.8	300566.3	3.8		10563.4	297053.8	3.6	B31.12-IP-19
42(OCC)		44482.4	183400.5	24.3		48078.5	183400.5	26.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		44685.4	183400.5	24.4		48280.4	183400.5	26.3	B31.12-IP-19
44(OCC)		44799.5	183400.5	24.4		48429.2	183400.5	26.4	B31.12-IP-19
45(OCC)		44690.9	183400.5	24.4		48309.3	183400.5	26.3	B31.12-IP-19
46(OCC)		44179.8	183400.5	24.1		47735.2	183400.5	26.0	B31.12-IP-19
47(OCC)		54813.3	183400.5	29.9		60991.7	183400.5	33.3	B31.12-IP-19
48(OCC)		53386.3	183400.5	29.1		59612.7	183400.5	32.5	B31.12-IP-19
49(OCC)		53587.7	183400.5	29.2		58194.3	183400.5	31.7	B31.12-IP-19
50(OCC)		50686.4	183400.5	27.6		56946.2	183400.5	31.1	B31.12-IP-19
51(OCC)		54388.0	183400.5	29.7		60513.4	183400.5	33.0	B31.12-IP-19
52(OCC)		56534.6	183400.5	30.8		62553.1	183400.5	34.1	B31.12-IP-19
53(OCC)		50938.8	183400.5	27.8		56927.6	183400.5	31.0	B31.12-IP-19
54(OCC)		53677.0	183400.5	29.3		57937.6	183400.5	31.6	B31.12-IP-19
2(Alt-SUS)	3200	45719.6	137895.1	33.2	3210	40515.9	137895.1	29.4	B31.12-IP-19
4(Alt-SUS)		47138.2	137895.1	34.2		41861.9	137895.1	30.4	B31.12-IP-19
6(Alt-SUS)		47684.1	137895.1	34.6		42376.8	137895.1	30.7	B31.12-IP-19
8(Alt-SUS)		47657.4	137895.1	34.6		42352.4	137895.1	30.7	B31.12-IP-19
14(SUS)		47664.8	137895.1	34.6		42359.9	137895.1	30.7	B31.12-IP-19
24(EXP)		9306.3	297053.8	3.1		5763.9	302361.0	1.9	B31.12-IP-19
25(EXP)		3077.6	297053.8	1.0		2226.7	302361.0	0.7	B31.12-IP-19
26(EXP)		2311.4	297053.8	0.8		1604.9	302361.0	0.5	B31.12-IP-19
27(EXP)		7499.8	297053.8	2.5		5088.8	302361.0	1.7	B31.12-IP-19
28(EXP)		10563.4	297053.8	3.6		7301.1	302361.0	2.4	B31.12-IP-19
42(OCC)		48106.9	183400.5	26.2		42657.3	183400.5	23.3	B31.12-IP-19
43(OCC)		48256.4	183400.5	26.3		42806.7	183400.5	23.3	B31.12-IP-19
44(OCC)		48526.3	183400.5	26.5		43038.7	183400.5	23.5	B31.12-IP-19
45(OCC)		48296.8	183400.5	26.3		42867.1	183400.5	23.4	B31.12-IP-19
46(OCC)		47734.9	183400.5	26.0		42425.9	183400.5	23.1	B31.12-IP-19
47(OCC)		61007.5	183400.5	33.3		51228.1	183400.5	27.9	B31.12-IP-19
48(OCC)		59305.4	183400.5	32.3		50135.0	183400.5	27.3	B31.12-IP-19
49(OCC)		57808.7	183400.5	31.5		49977.8	183400.5	27.3	B31.12-IP-19
50(OCC)		57394.8	183400.5	31.3		49560.5	183400.5	27.0	B31.12-IP-19
51(OCC)		59613.3	183400.5	32.5		50460.1	183400.5	27.5	B31.12-IP-19
52(OCC)		61448.8	183400.5	33.5		51809.0	183400.5	28.2	B31.12-IP-19
53(OCC)		57509.9	183400.5	31.4		49477.9	183400.5	27.0	B31.12-IP-19
54(OCC)		57519.0	183400.5	31.4		49526.8	183400.5	27.0	B31.12-IP-19
2(Alt-SUS)	3210	0.0	0.0	0.0	3220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	3220	0.0	0.0	0.0	2710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9490	0.0	0.0	0.0	9500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9500	0.0	0.0	0.0	9510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9510	0.0	0.0	0.0	9520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9510	0.0	0.0	0.0	9530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9530	0.0	0.0	0.0	9535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9540	2299.5	137895.1	1.7	9550	2301.0	137895.1	1.7	B31.12-IP-19
4(Alt-SUS)		2149.8	137895.1	1.6		2159.3	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2126.9	137895.1	1.5		2134.8	137895.1	1.5	B31.12-IP-19
8(Alt-SUS)		2126.3	137895.1	1.5		2134.9	137895.1	1.5	B31.12-IP-19
14(SUS)		2118.6	137895.1	1.5		2128.2	137895.1	1.5	B31.12-IP-19
24(EXP)		5733.2	342438.3	1.7		4940.6	342436.8	1.4	B31.12-IP-19
25(EXP)		1701.1	342438.3	0.5		1464.0	342436.8	0.4	B31.12-IP-19
26(EXP)		1220.0	342438.3	0.4		1052.6	342436.8	0.3	B31.12-IP-19
27(EXP)		4250.2	342438.3	1.2		3665.7	342436.8	1.1	B31.12-IP-19
28(EXP)		5950.6	342438.3	1.7		5129.1	342436.8	1.5	B31.12-IP-19
42(OCC)		2219.7	183400.5	1.2		2209.3	183400.5	1.2	B31.12-IP-19
43(OCC)		2228.5	183400.5	1.2		2216.3	183400.5	1.2	B31.12-IP-19
44(OCC)		2303.7	183400.5	1.3		2281.7	183400.5	1.2	B31.12-IP-19
45(OCC)		2300.9	183400.5	1.3		2279.2	183400.5	1.2	B31.12-IP-19
46(OCC)		2126.7	183400.5	1.2		2134.8	183400.5	1.2	B31.12-IP-19
47(OCC)		3186.1	183400.5	1.7		2985.0	183400.5	1.6	B31.12-IP-19
48(OCC)		3252.0	183400.5	1.8		3042.7	183400.5	1.7	B31.12-IP-19
49(OCC)		2811.6	183400.5	1.5		2661.5	183400.5	1.5	B31.12-IP-19
50(OCC)		3015.0	183400.5	1.6		2838.6	183400.5	1.5	B31.12-IP-19
51(OCC)		3195.8	183400.5	1.7		2994.8	183400.5	1.6	B31.12-IP-19
52(OCC)		3292.0	183400.5	1.8		3075.5	183400.5	1.7	B31.12-IP-19
53(OCC)		2786.7	183400.5	1.5		2640.2	183400.5	1.4	B31.12-IP-19
54(OCC)		2825.4	183400.5	1.5		2668.5	183400.5	1.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	9550	4022.6	137895.1	2.9	9560	4018.1	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3760.5	137895.1	2.7		3774.9	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3715.6	137895.1	2.7		3725.2	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3715.7	137895.1	2.7		3726.7	137895.1	2.7	B31.12-IP-19
14(SUS)		3703.2	137895.1	2.7		3716.7	137895.1	2.7	B31.12-IP-19
24(EXP)		9191.5	340715.2	2.7		7371.8	340719.7	2.2	B31.12-IP-19
25(EXP)		2723.6	340715.2	0.8		2175.6	340719.7	0.6	B31.12-IP-19
26(EXP)		1958.4	340715.2	0.6		1572.6	340719.7	0.5	B31.12-IP-19
27(EXP)		6819.7	340715.2	2.0		5470.5	340719.7	1.6	B31.12-IP-19
28(EXP)		9542.2	340715.2	2.8		7645.1	340719.7	2.2	B31.12-IP-19
42(OCC)		3854.0	183400.5	2.1		3825.1	183400.5	2.1	B31.12-IP-19
43(OCC)		3867.1	183400.5	2.1		3833.6	183400.5	2.1	B31.12-IP-19
44(OCC)		3988.6	183400.5	2.2		3930.7	183400.5	2.1	B31.12-IP-19
45(OCC)		3984.0	183400.5	2.2		3926.8	183400.5	2.1	B31.12-IP-19
46(OCC)		3715.4	183400.5	2.0		3725.3	183400.5	2.0	B31.12-IP-19
47(OCC)		5295.4	183400.5	2.9		4853.1	183400.5	2.6	B31.12-IP-19
48(OCC)		5401.2	183400.5	2.9		4937.8	183400.5	2.7	B31.12-IP-19
49(OCC)		4693.3	183400.5	2.6		4374.1	183400.5	2.4	B31.12-IP-19
50(OCC)		5020.5	183400.5	2.7		4635.1	183400.5	2.5	B31.12-IP-19
51(OCC)		5312.7	183400.5	2.9		4870.8	183400.5	2.7	B31.12-IP-19
52(OCC)		5464.2	183400.5	3.0		4982.9	183400.5	2.7	B31.12-IP-19
53(OCC)		4653.3	183400.5	2.5		4343.4	183400.5	2.4	B31.12-IP-19
54(OCC)		4706.5	183400.5	2.6		4370.2	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	9560	0.0	0.0	0.0	9570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4020	0.0	0.0	0.0	4030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4030	36415.2	137895.1	26.4	4040	36425.2	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		34931.3	137895.1	25.3		34962.1	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34489.0	137895.1	25.0		34493.3	137895.1	25.0	B31.12-IP-19
8(Alt-SUS)		34524.7	137895.1	25.0		34533.0	137895.1	25.0	B31.12-IP-19
14(SUS)		34441.1	137895.1	25.0		34458.6	137895.1	25.0	B31.12-IP-19
24(EXP)		47147.7	308322.7	15.3		42586.8	308312.6	13.8	B31.12-IP-19
25(EXP)		13692.4	308322.7	4.4		12224.0	308312.6	4.0	B31.12-IP-19
26(EXP)		9988.1	308322.7	3.2		8949.7	308312.6	2.9	B31.12-IP-19
27(EXP)		34731.0	308322.7	11.3		31064.8	308312.6	10.1	B31.12-IP-19
28(EXP)		48420.6	308322.7	15.7		43286.9	308312.6	14.0	B31.12-IP-19
42(OCC)		35017.3	183400.5	19.1		34876.8	183400.5	19.0	B31.12-IP-19
43(OCC)		35023.1	183400.5	19.1		34880.7	183400.5	19.0	B31.12-IP-19
44(OCC)		35508.1	183400.5	19.4		35249.5	183400.5	19.2	B31.12-IP-19
45(OCC)		35572.2	183400.5	19.4		35302.3	183400.5	19.2	B31.12-IP-19
46(OCC)		34461.5	183400.5	18.8		34485.5	183400.5	18.8	B31.12-IP-19
47(OCC)		40364.0	183400.5	22.0		38954.0	183400.5	21.2	B31.12-IP-19
48(OCC)		40690.6	183400.5	22.2		39199.1	183400.5	21.4	B31.12-IP-19
49(OCC)		37358.7	183400.5	20.4		36450.8	183400.5	19.9	B31.12-IP-19
50(OCC)		38964.4	183400.5	21.2		37739.1	183400.5	20.6	B31.12-IP-19
51(OCC)		40509.9	183400.5	22.1		39094.2	183400.5	21.3	B31.12-IP-19
52(OCC)		40903.9	183400.5	22.3		39344.4	183400.5	21.5	B31.12-IP-19
53(OCC)		37074.9	183400.5	20.2		36223.3	183400.5	19.8	B31.12-IP-19
54(OCC)		37240.4	183400.5	20.3		36247.0	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	4040	0.0	0.0	0.0	4050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4050	0.0	0.0	0.0	4060	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4060	36660.3	137895.1	26.6	4068	36686.0	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		35228.9	137895.1	25.5		35269.0	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34715.1	137895.1	25.2		34731.4	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34760.5	137895.1	25.2		34779.2	137895.1	25.2	B31.12-IP-19
14(SUS)		34695.9	137895.1	25.2		34716.3	137895.1	25.2	B31.12-IP-19
24(EXP)		41698.1	308077.6	13.5		45428.4	308051.9	14.7	B31.12-IP-19
25(EXP)		11799.2	308077.6	3.8		12876.2	308051.9	4.2	B31.12-IP-19
26(EXP)		8619.1	308077.6	2.8		9349.8	308051.9	3.0	B31.12-IP-19
27(EXP)		29925.3	308077.6	9.7		32535.6	308051.9	10.6	B31.12-IP-19
28(EXP)		41724.1	308077.6	13.5		45411.7	308051.9	14.7	B31.12-IP-19
42(OCC)		34896.6	183400.5	19.0		34848.5	183400.5	19.0	B31.12-IP-19
43(OCC)		34902.3	183400.5	19.0		34864.3	183400.5	19.0	B31.12-IP-19
44(OCC)		35046.0	183400.5	19.1		34850.0	183400.5	19.0	B31.12-IP-19
45(OCC)		35078.2	183400.5	19.1		34869.6	183400.5	19.0	B31.12-IP-19
46(OCC)		34745.0	183400.5	18.9		34779.0	183400.5	19.0	B31.12-IP-19
47(OCC)		37548.5	183400.5	20.5		37249.4	183400.5	20.3	B31.12-IP-19
48(OCC)		37553.5	183400.5	20.5		37210.1	183400.5	20.3	B31.12-IP-19
49(OCC)		35541.6	183400.5	19.4		35289.4	183400.5	19.2	B31.12-IP-19
50(OCC)		36352.9	183400.5	19.8		36098.3	183400.5	19.7	B31.12-IP-19
51(OCC)		37584.6	183400.5	20.5		37267.6	183400.5	20.3	B31.12-IP-19
52(OCC)		37749.5	183400.5	20.6		37393.4	183400.5	20.4	B31.12-IP-19
53(OCC)		35332.5	183400.5	19.3		35073.6	183400.5	19.1	B31.12-IP-19
54(OCC)		35190.1	183400.5	19.2		34862.1	183400.5	19.0	B31.12-IP-19
2(Alt-SUS)	4068	38634.0	137895.1	28.0	4069	37907.7	137895.1	27.5	B31.12-IP-19
4(Alt-SUS)		35960.0	137895.1	26.1		35796.4	137895.1	26.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		34942.6	137895.1	25.3		34970.1	137895.1	25.4	B31.12-IP-19
8(Alt-SUS)		35033.4	137895.1	25.4		35043.8	137895.1	25.4	B31.12-IP-19
14(SUS)		34913.5	137895.1	25.3		34948.1	137895.1	25.3	B31.12-IP-19
24(EXP)		80639.8	306103.8	26.3		66235.1	306830.1	21.6	B31.12-IP-19
25(EXP)		21956.6	306103.8	7.2		18128.3	306830.1	5.9	B31.12-IP-19
26(EXP)		16077.0	306103.8	5.3		13144.4	306830.1	4.3	B31.12-IP-19
27(EXP)		55641.0	306103.8	18.2		45660.0	306830.1	14.9	B31.12-IP-19
28(EXP)		77597.3	306103.8	25.3		63788.1	306830.1	20.8	B31.12-IP-19
42(OCC)		35064.9	183400.5	19.1		35053.2	183400.5	19.1	B31.12-IP-19
43(OCC)		35115.4	183400.5	19.1		35113.0	183400.5	19.1	B31.12-IP-19
44(OCC)		35162.8	183400.5	19.2		35177.4	183400.5	19.2	B31.12-IP-19
45(OCC)		35206.5	183400.5	19.2		35160.0	183400.5	19.2	B31.12-IP-19
46(OCC)		35028.6	183400.5	19.1		35065.7	183400.5	19.1	B31.12-IP-19
47(OCC)		37556.2	183400.5	20.5		37547.8	183400.5	20.5	B31.12-IP-19
48(OCC)		37492.0	183400.5	20.4		37529.6	183400.5	20.5	B31.12-IP-19
49(OCC)		35974.3	183400.5	19.6		35625.6	183400.5	19.4	B31.12-IP-19
50(OCC)		37086.1	183400.5	20.2		36753.8	183400.5	20.0	B31.12-IP-19
51(OCC)		37520.2	183400.5	20.5		37511.5	183400.5	20.5	B31.12-IP-19
52(OCC)		37714.7	183400.5	20.6		37802.2	183400.5	20.6	B31.12-IP-19
53(OCC)		35608.5	183400.5	19.4		35235.7	183400.5	19.2	B31.12-IP-19
54(OCC)		35116.2	183400.5	19.1		35756.6	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	4069	37907.7	137895.1	27.5	4070	35838.4	137895.1	26.0	B31.12-IP-19
4(Alt-SUS)		35796.4	137895.1	26.0		35174.8	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		34970.1	137895.1	25.4		34892.8	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		35043.8	137895.1	25.4		34919.9	137895.1	25.3	B31.12-IP-19
14(SUS)		34948.1	137895.1	25.3		34882.1	137895.1	25.3	B31.12-IP-19
24(EXP)		66235.1	306830.1	21.6		57199.5	308899.4	18.5	B31.12-IP-19
25(EXP)		18128.3	306830.1	5.9		16226.1	308899.4	5.3	B31.12-IP-19
26(EXP)		13144.4	306830.1	4.3		11750.9	308899.4	3.8	B31.12-IP-19
27(EXP)		45660.0	306830.1	14.9		40949.5	308899.4	13.3	B31.12-IP-19
28(EXP)		63788.1	306830.1	20.8		57175.3	308899.4	18.5	B31.12-IP-19
42(OCC)		35053.2	183400.5	19.1		34961.4	183400.5	19.1	B31.12-IP-19
43(OCC)		35113.0	183400.5	19.1		34985.3	183400.5	19.1	B31.12-IP-19
44(OCC)		35177.4	183400.5	19.2		35164.7	183400.5	19.2	B31.12-IP-19
45(OCC)		35160.0	183400.5	19.2		35164.9	183400.5	19.2	B31.12-IP-19
46(OCC)		35065.7	183400.5	19.1		34938.1	183400.5	19.1	B31.12-IP-19
47(OCC)		37547.8	183400.5	20.5		36952.2	183400.5	20.1	B31.12-IP-19
48(OCC)		37529.6	183400.5	20.5		36893.1	183400.5	20.1	B31.12-IP-19
49(OCC)		35625.6	183400.5	19.4		35494.0	183400.5	19.4	B31.12-IP-19
50(OCC)		36753.8	183400.5	20.0		37087.9	183400.5	20.2	B31.12-IP-19
51(OCC)		37511.5	183400.5	20.5		36980.8	183400.5	20.2	B31.12-IP-19
52(OCC)		37802.2	183400.5	20.6		37071.5	183400.5	20.2	B31.12-IP-19
53(OCC)		35235.7	183400.5	19.2		35099.4	183400.5	19.1	B31.12-IP-19
54(OCC)		35756.6	183400.5	19.5		35592.7	183400.5	19.4	B31.12-IP-19
2(Alt-SUS)	4070	35188.1	137895.1	25.5	4078	34822.1	137895.1	25.3	B31.12-IP-19
4(Alt-SUS)		34852.7	137895.1	25.3		34571.9	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34710.3	137895.1	25.2		34641.4	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34723.8	137895.1	25.2		34635.0	137895.1	25.1	B31.12-IP-19
14(SUS)		34705.1	137895.1	25.2		34640.7	137895.1	25.1	B31.12-IP-19
24(EXP)		40326.3	309549.8	13.0		36029.2	309915.7	11.6	B31.12-IP-19
25(EXP)		11584.2	309549.8	3.7		10398.3	309915.7	3.4	B31.12-IP-19
26(EXP)		8339.2	309549.8	2.7		7470.9	309915.7	2.4	B31.12-IP-19
27(EXP)		29138.3	309549.8	9.4		26126.8	309915.7	8.4	B31.12-IP-19
28(EXP)		40722.4	309549.8	13.2		36525.0	309915.7	11.8	B31.12-IP-19
42(OCC)		34777.2	183400.5	19.0		34710.4	183400.5	18.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		34798.9	183400.5	19.0		34735.6	183400.5	18.9	B31.12-IP-19
44(OCC)		34885.3	183400.5	19.0		34816.0	183400.5	19.0	B31.12-IP-19
45(OCC)		34889.5	183400.5	19.0		34829.8	183400.5	19.0	B31.12-IP-19
46(OCC)		34736.8	183400.5	18.9		34662.7	183400.5	18.9	B31.12-IP-19
47(OCC)		36312.5	183400.5	19.8		35934.2	183400.5	19.6	B31.12-IP-19
48(OCC)		36324.0	183400.5	19.8		36023.5	183400.5	19.6	B31.12-IP-19
49(OCC)		35205.1	183400.5	19.2		35246.8	183400.5	19.2	B31.12-IP-19
50(OCC)		36385.4	183400.5	19.8		36819.1	183400.5	20.1	B31.12-IP-19
51(OCC)		36311.7	183400.5	19.8		35926.9	183400.5	19.6	B31.12-IP-19
52(OCC)		36455.9	183400.5	19.9		36118.3	183400.5	19.7	B31.12-IP-19
53(OCC)		34890.8	183400.5	19.0		34860.1	183400.5	19.0	B31.12-IP-19
54(OCC)		35166.6	183400.5	19.2		35052.4	183400.5	19.1	B31.12-IP-19
2(Alt-SUS)	4078	35018.9	137895.1	25.4	4079	36358.4	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		34608.0	137895.1	25.1		35019.6	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34717.7	137895.1	25.2		34618.5	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34707.0	137895.1	25.2		34635.7	137895.1	25.1	B31.12-IP-19
14(SUS)		34716.4	137895.1	25.2		34589.9	137895.1	25.1	B31.12-IP-19
24(EXP)		39702.2	309718.9	12.8		43599.7	308379.4	14.1	B31.12-IP-19
25(EXP)		11433.9	309718.9	3.7		12832.7	308379.4	4.2	B31.12-IP-19
26(EXP)		8286.6	309718.9	2.7		9140.1	308379.4	3.0	B31.12-IP-19
27(EXP)		28886.4	309718.9	9.3		32114.3	308379.4	10.4	B31.12-IP-19
28(EXP)		40319.5	309718.9	13.0		44946.7	308379.4	14.6	B31.12-IP-19
42(OCC)		34791.0	183400.5	19.0		34711.0	183400.5	18.9	B31.12-IP-19
43(OCC)		34823.3	183400.5	19.0		34717.6	183400.5	18.9	B31.12-IP-19
44(OCC)		35000.7	183400.5	19.1		34773.5	183400.5	19.0	B31.12-IP-19
45(OCC)		35021.3	183400.5	19.1		34806.0	183400.5	19.0	B31.12-IP-19
46(OCC)		34751.8	183400.5	18.9		34659.1	183400.5	18.9	B31.12-IP-19
47(OCC)		36037.3	183400.5	19.6		37246.4	183400.5	20.3	B31.12-IP-19
48(OCC)		36184.8	183400.5	19.7		37493.1	183400.5	20.4	B31.12-IP-19
49(OCC)		35527.1	183400.5	19.4		35301.3	183400.5	19.2	B31.12-IP-19
50(OCC)		37776.0	183400.5	20.6		37544.5	183400.5	20.5	B31.12-IP-19
51(OCC)		36057.7	183400.5	19.7		37222.0	183400.5	20.3	B31.12-IP-19
52(OCC)		36270.3	183400.5	19.8		37765.1	183400.5	20.6	B31.12-IP-19
53(OCC)		35027.5	183400.5	19.1		34831.5	183400.5	19.0	B31.12-IP-19
54(OCC)		35329.1	183400.5	19.3		35155.2	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	4079	36358.4	137895.1	26.4	4080	36747.8	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		35019.6	137895.1	25.4		35280.0	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34618.5	137895.1	25.1		34820.5	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		34635.7	137895.1	25.1		34861.6	137895.1	25.3	B31.12-IP-19
14(SUS)		34589.9	137895.1	25.1		34821.5	137895.1	25.3	B31.12-IP-19
24(EXP)		43599.7	308379.4	14.1		53503.2	307990.1	17.4	B31.12-IP-19
25(EXP)		12832.7	308379.4	4.2		16033.6	307990.1	5.2	B31.12-IP-19
26(EXP)		9140.1	308379.4	3.0		11515.0	307990.1	3.7	B31.12-IP-19
27(EXP)		32114.3	308379.4	10.4		40376.6	307990.1	13.1	B31.12-IP-19
28(EXP)		44946.7	308379.4	14.6		56410.1	307990.1	18.3	B31.12-IP-19
42(OCC)		34711.0	183400.5	18.9		34965.4	183400.5	19.1	B31.12-IP-19
43(OCC)		34717.6	183400.5	18.9		34940.2	183400.5	19.1	B31.12-IP-19
44(OCC)		34773.5	183400.5	19.0		35015.2	183400.5	19.1	B31.12-IP-19
45(OCC)		34806.0	183400.5	19.0		35001.1	183400.5	19.1	B31.12-IP-19
46(OCC)		34659.1	183400.5	18.9		34912.7	183400.5	19.0	B31.12-IP-19
47(OCC)		37246.4	183400.5	20.3		38164.4	183400.5	20.8	B31.12-IP-19
48(OCC)		37493.1	183400.5	20.4		38141.4	183400.5	20.8	B31.12-IP-19
49(OCC)		35301.3	183400.5	19.2		35514.8	183400.5	19.4	B31.12-IP-19
50(OCC)		37544.5	183400.5	20.5		37455.7	183400.5	20.4	B31.12-IP-19
51(OCC)		37222.0	183400.5	20.3		38330.7	183400.5	20.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		37765.1	183400.5	20.6		38300.0	183400.5	20.9	B31.12-IP-19
53(OCC)		34831.5	183400.5	19.0		35139.4	183400.5	19.2	B31.12-IP-19
54(OCC)		35155.2	183400.5	19.2		35259.7	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	4080	35851.5	137895.1	26.0	4090	43143.2	137895.1	31.3	B31.12-IP-19
4(Alt-SUS)		34980.1	137895.1	25.4		38238.6	137895.1	27.7	B31.12-IP-19
6(Alt-SUS)		34702.7	137895.1	25.2		36373.2	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		34727.5	137895.1	25.2		36534.5	137895.1	26.5	B31.12-IP-19
14(SUS)		34703.4	137895.1	25.2		36352.1	137895.1	26.4	B31.12-IP-19
24(EXP)		28657.9	308886.3	9.3		55484.0	301594.7	18.4	B31.12-IP-19
25(EXP)		8434.1	308886.3	2.7		14800.1	301594.7	4.9	B31.12-IP-19
26(EXP)		6060.2	308886.3	2.0		10746.4	301594.7	3.6	B31.12-IP-19
27(EXP)		21202.4	308886.3	6.9		37127.7	301594.7	12.3	B31.12-IP-19
28(EXP)		29636.5	308886.3	9.6		51921.6	301594.7	17.2	B31.12-IP-19
42(OCC)		34785.8	183400.5	19.0		36468.0	183400.5	19.9	B31.12-IP-19
43(OCC)		34793.3	183400.5	19.0		36588.9	183400.5	20.0	B31.12-IP-19
44(OCC)		34814.6	183400.5	19.0		37100.4	183400.5	20.2	B31.12-IP-19
45(OCC)		34806.7	183400.5	19.0		37137.0	183400.5	20.2	B31.12-IP-19
46(OCC)		34775.4	183400.5	19.0		36636.2	183400.5	20.0	B31.12-IP-19
47(OCC)		36629.8	183400.5	20.0		38475.1	183400.5	21.0	B31.12-IP-19
48(OCC)		36663.0	183400.5	20.0		37748.3	183400.5	20.6	B31.12-IP-19
49(OCC)		35340.6	183400.5	19.3		38337.8	183400.5	20.9	B31.12-IP-19
50(OCC)		37284.4	183400.5	20.3		41927.4	183400.5	22.9	B31.12-IP-19
51(OCC)		36715.5	183400.5	20.0		37767.6	183400.5	20.6	B31.12-IP-19
52(OCC)		36748.5	183400.5	20.0		39321.8	183400.5	21.4	B31.12-IP-19
53(OCC)		34894.2	183400.5	19.0		37224.2	183400.5	20.3	B31.12-IP-19
54(OCC)		35076.3	183400.5	19.1		39116.9	183400.5	21.3	B31.12-IP-19
2(Alt-SUS)	4090	43066.9	137895.1	31.2	4100	47143.0	137895.1	34.2	B31.12-IP-19
4(Alt-SUS)		38239.9	137895.1	27.7		35136.1	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		36377.2	137895.1	26.4		37870.1	137895.1	27.5	B31.12-IP-19
8(Alt-SUS)		36538.9	137895.1	26.5		37527.5	137895.1	27.2	B31.12-IP-19
14(SUS)		36367.3	137895.1	26.4		38005.0	137895.1	27.6	B31.12-IP-19
24(EXP)		55484.0	301670.9	18.4		113881.6	297594.8	38.3	B31.12-IP-19
25(EXP)		14800.1	301670.9	4.9		36104.9	297594.8	12.1	B31.12-IP-19
26(EXP)		10746.4	301670.9	3.6		25664.0	297594.8	8.6	B31.12-IP-19
27(EXP)		37127.7	301670.9	12.3		90744.9	297594.8	30.5	B31.12-IP-19
28(EXP)		51921.6	301670.9	17.2		126848.5	297594.8	42.6	B31.12-IP-19
42(OCC)		36491.3	183400.5	19.9		38170.1	183400.5	20.8	B31.12-IP-19
43(OCC)		36615.9	183400.5	20.0		38721.9	183400.5	21.1	B31.12-IP-19
44(OCC)		37131.5	183400.5	20.2		38707.3	183400.5	21.1	B31.12-IP-19
45(OCC)		37164.4	183400.5	20.3		38632.6	183400.5	21.1	B31.12-IP-19
46(OCC)		36654.5	183400.5	20.0		38537.7	183400.5	21.0	B31.12-IP-19
47(OCC)		38598.0	183400.5	21.0		39553.2	183400.5	21.6	B31.12-IP-19
48(OCC)		37853.0	183400.5	20.6		44807.8	183400.5	24.4	B31.12-IP-19
49(OCC)		38416.2	183400.5	20.9		42627.2	183400.5	23.2	B31.12-IP-19
50(OCC)		41989.3	183400.5	22.9		46340.3	183400.5	25.3	B31.12-IP-19
51(OCC)		37859.1	183400.5	20.6		42758.6	183400.5	23.3	B31.12-IP-19
52(OCC)		39415.6	183400.5	21.5		41223.3	183400.5	22.5	B31.12-IP-19
53(OCC)		37264.2	183400.5	20.3		40816.0	183400.5	22.3	B31.12-IP-19
54(OCC)		39164.0	183400.5	21.4		40568.3	183400.5	22.1	B31.12-IP-19
2(Alt-SUS)	4100	36199.1	137895.1	26.3	4108	35951.2	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		38563.1	137895.1	28.0		34982.9	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		40852.0	137895.1	29.6		35710.6	137895.1	25.9	B31.12-IP-19
8(Alt-SUS)		40646.6	137895.1	29.5		35645.3	137895.1	25.8	B31.12-IP-19
14(SUS)		40876.5	137895.1	29.6		35717.6	137895.1	25.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		21420.4	303861.3	7.0		8773.6	308786.6	2.8	B31.12-IP-19
25(EXP)		8224.4	303861.3	2.7		3094.3	308786.6	1.0	B31.12-IP-19
26(EXP)		5667.9	303861.3	1.9		2041.9	308786.6	0.7	B31.12-IP-19
27(EXP)		20685.8	303861.3	6.8		7538.8	308786.6	2.4	B31.12-IP-19
28(EXP)		28908.8	303861.3	9.5		10632.6	308786.6	3.4	B31.12-IP-19
42(OCC)		40971.0	183400.5	22.3		35772.8	183400.5	19.5	B31.12-IP-19
43(OCC)		41167.3	183400.5	22.4		35851.3	183400.5	19.5	B31.12-IP-19
44(OCC)		41464.7	183400.5	22.6		35911.0	183400.5	19.6	B31.12-IP-19
45(OCC)		41375.3	183400.5	22.6		35823.9	183400.5	19.5	B31.12-IP-19
46(OCC)		41201.0	183400.5	22.5		35859.4	183400.5	19.6	B31.12-IP-19
47(OCC)		47091.5	183400.5	25.7		38442.4	183400.5	21.0	B31.12-IP-19
48(OCC)		43569.5	183400.5	23.8		37787.1	183400.5	20.6	B31.12-IP-19
49(OCC)		46446.4	183400.5	25.3		38669.2	183400.5	21.1	B31.12-IP-19
50(OCC)		50820.8	183400.5	27.7		42023.3	183400.5	22.9	B31.12-IP-19
51(OCC)		42409.1	183400.5	23.1		37711.5	183400.5	20.6	B31.12-IP-19
52(OCC)		46302.8	183400.5	25.2		38297.2	183400.5	20.9	B31.12-IP-19
53(OCC)		44730.0	183400.5	24.4		36455.2	183400.5	19.9	B31.12-IP-19
54(OCC)		44111.5	183400.5	24.1		36253.4	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	4108	36856.4	137895.1	26.7	4109	39261.6	137895.1	28.5	B31.12-IP-19
4(Alt-SUS)		35295.2	137895.1	25.6		37246.4	137895.1	27.0	B31.12-IP-19
6(Alt-SUS)		36516.8	137895.1	26.5		36374.3	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		36407.6	137895.1	26.4		36458.3	137895.1	26.4	B31.12-IP-19
14(SUS)		36524.4	137895.1	26.5		36352.0	137895.1	26.4	B31.12-IP-19
24(EXP)		22672.2	307881.5	7.4		27763.1	305476.3	9.1	B31.12-IP-19
25(EXP)		6551.3	307881.5	2.1		7566.2	305476.3	2.5	B31.12-IP-19
26(EXP)		4502.7	307881.5	1.5		5053.4	305476.3	1.7	B31.12-IP-19
27(EXP)		16148.0	307881.5	5.2		18170.4	305476.3	5.9	B31.12-IP-19
28(EXP)		22698.8	307881.5	7.4		25735.8	305476.3	8.4	B31.12-IP-19
42(OCC)		36621.0	183400.5	20.0		36498.2	183400.5	19.9	B31.12-IP-19
43(OCC)		36717.6	183400.5	20.0		36506.7	183400.5	19.9	B31.12-IP-19
44(OCC)		36828.5	183400.5	20.1		36883.1	183400.5	20.1	B31.12-IP-19
45(OCC)		36683.1	183400.5	20.0		36885.3	183400.5	20.1	B31.12-IP-19
46(OCC)		36720.7	183400.5	20.0		36482.9	183400.5	19.9	B31.12-IP-19
47(OCC)		40801.8	183400.5	22.2		38993.0	183400.5	21.3	B31.12-IP-19
48(OCC)		38899.9	183400.5	21.2		39750.3	183400.5	21.7	B31.12-IP-19
49(OCC)		39584.9	183400.5	21.6		39588.1	183400.5	21.6	B31.12-IP-19
50(OCC)		43690.4	183400.5	23.8		44716.9	183400.5	24.4	B31.12-IP-19
51(OCC)		39184.0	183400.5	21.4		40194.3	183400.5	21.9	B31.12-IP-19
52(OCC)		40425.9	183400.5	22.0		38755.8	183400.5	21.1	B31.12-IP-19
53(OCC)		37733.4	183400.5	20.6		38175.9	183400.5	20.8	B31.12-IP-19
54(OCC)		37301.2	183400.5	20.3		38022.7	183400.5	20.7	B31.12-IP-19
2(Alt-SUS)	4109	39261.6	137895.1	28.5	4110	38941.4	137895.1	28.2	B31.12-IP-19
4(Alt-SUS)		37246.4	137895.1	27.0		39116.3	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		36374.3	137895.1	26.4		39107.0	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		36458.3	137895.1	26.4		39117.3	137895.1	28.4	B31.12-IP-19
14(SUS)		36352.0	137895.1	26.4		39076.5	137895.1	28.3	B31.12-IP-19
24(EXP)		27763.1	305476.3	9.1		19259.3	305620.6	6.3	B31.12-IP-19
25(EXP)		7566.2	305476.3	2.5		4631.5	305620.6	1.5	B31.12-IP-19
26(EXP)		5053.4	305476.3	1.7		3222.3	305620.6	1.1	B31.12-IP-19
27(EXP)		18170.4	305476.3	5.9		11314.3	305620.6	3.7	B31.12-IP-19
28(EXP)		25735.8	305476.3	8.4		15935.9	305620.6	5.2	B31.12-IP-19
42(OCC)		36498.2	183400.5	19.9		39272.8	183400.5	21.4	B31.12-IP-19
43(OCC)		36506.7	183400.5	19.9		39214.4	183400.5	21.4	B31.12-IP-19
44(OCC)		36883.1	183400.5	20.1		39679.5	183400.5	21.6	B31.12-IP-19
45(OCC)		36885.3	183400.5	20.1		39685.3	183400.5	21.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		36482.9	183400.5	19.9		39111.3	183400.5	21.3	B31.12-IP-19
47(OCC)		38993.0	183400.5	21.3		44552.4	183400.5	24.3	B31.12-IP-19
48(OCC)		39750.3	183400.5	21.7		44171.9	183400.5	24.1	B31.12-IP-19
49(OCC)		39588.1	183400.5	21.6		42154.9	183400.5	23.0	B31.12-IP-19
50(OCC)		44716.9	183400.5	24.4		51634.0	183400.5	28.2	B31.12-IP-19
51(OCC)		40194.3	183400.5	21.9		44654.8	183400.5	24.3	B31.12-IP-19
52(OCC)		38755.8	183400.5	21.1		44119.4	183400.5	24.1	B31.12-IP-19
53(OCC)		38175.9	183400.5	20.8		42657.9	183400.5	23.3	B31.12-IP-19
54(OCC)		38022.7	183400.5	20.7		41649.4	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	4110	37180.1	137895.1	27.0	4120	37207.8	137895.1	27.0	B31.12-IP-19
4(Alt-SUS)		37286.3	137895.1	27.0		37406.2	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37283.4	137895.1	27.0		37440.7	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		37289.1	137895.1	27.0		37443.0	137895.1	27.2	B31.12-IP-19
14(SUS)		37266.4	137895.1	27.0		37424.3	137895.1	27.1	B31.12-IP-19
24(EXP)		10562.6	307448.8	3.4		10648.0	307294.8	3.5	B31.12-IP-19
25(EXP)		2612.5	307448.8	0.8		2613.6	307294.8	0.9	B31.12-IP-19
26(EXP)		1843.7	307448.8	0.6		1859.3	307294.8	0.6	B31.12-IP-19
27(EXP)		6462.4	307448.8	2.1		6497.2	307294.8	2.1	B31.12-IP-19
28(EXP)		9072.0	307448.8	3.0		9107.9	307294.8	3.0	B31.12-IP-19
42(OCC)		37370.3	183400.5	20.4		37528.7	183400.5	20.5	B31.12-IP-19
43(OCC)		37337.3	183400.5	20.4		37495.6	183400.5	20.4	B31.12-IP-19
44(OCC)		37617.0	183400.5	20.5		37771.0	183400.5	20.6	B31.12-IP-19
45(OCC)		37607.6	183400.5	20.5		37760.9	183400.5	20.6	B31.12-IP-19
46(OCC)		37285.4	183400.5	20.3		37443.7	183400.5	20.4	B31.12-IP-19
47(OCC)		40356.3	183400.5	22.0		40608.3	183400.5	22.1	B31.12-IP-19
48(OCC)		41016.5	183400.5	22.4		41240.5	183400.5	22.5	B31.12-IP-19
49(OCC)		39604.3	183400.5	21.6		39713.6	183400.5	21.7	B31.12-IP-19
50(OCC)		44932.6	183400.5	24.5		45135.0	183400.5	24.6	B31.12-IP-19
51(OCC)		41199.0	183400.5	22.5		41419.1	183400.5	22.6	B31.12-IP-19
52(OCC)		40160.8	183400.5	21.9		40402.4	183400.5	22.0	B31.12-IP-19
53(OCC)		39577.2	183400.5	21.6		39801.8	183400.5	21.7	B31.12-IP-19
54(OCC)		38965.0	183400.5	21.2		39153.5	183400.5	21.3	B31.12-IP-19
2(Alt-SUS)	4120	0.0	0.0	0.0	4130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	4130	0.0	0.0	0.0	4140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4140	0.0	0.0	0.0	4150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4150	53038.3	137895.1	38.5	4160	56204.4	137895.1	40.8	B31.12-IP-19
4(Alt-SUS)		44258.8	137895.1	32.1		46818.6	137895.1	34.0	B31.12-IP-19
6(Alt-SUS)		40769.4	137895.1	29.6		43082.6	137895.1	31.2	B31.12-IP-19
8(Alt-SUS)		41079.3	137895.1	29.8		43414.9	137895.1	31.5	B31.12-IP-19
14(SUS)		40737.7	137895.1	29.5		43047.2	137895.1	31.2	B31.12-IP-19
24(EXP)		68423.0	291699.5	23.5		73051.9	288533.5	25.3	B31.12-IP-19
25(EXP)		20036.9	291699.5	6.9		21426.6	288533.5	7.4	B31.12-IP-19
26(EXP)		14094.0	291699.5	4.8		15058.4	288533.5	5.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		50078.4	291699.5	17.2		53525.2	288533.5	18.6	B31.12-IP-19
28(EXP)		70115.1	291699.5	24.0		74951.5	288533.5	26.0	B31.12-IP-19
42(OCC)		41222.1	183400.5	22.5		43605.4	183400.5	23.8	B31.12-IP-19
43(OCC)		41256.2	183400.5	22.5		43635.5	183400.5	23.8	B31.12-IP-19
44(OCC)		41308.9	183400.5	22.5		43657.3	183400.5	23.8	B31.12-IP-19
45(OCC)		41259.6	183400.5	22.5		43607.9	183400.5	23.8	B31.12-IP-19
46(OCC)		41214.1	183400.5	22.5		43556.8	183400.5	23.7	B31.12-IP-19
47(OCC)		48911.0	183400.5	26.7		53421.9	183400.5	29.1	B31.12-IP-19
48(OCC)		48067.4	183400.5	26.2		52070.9	183400.5	28.4	B31.12-IP-19
49(OCC)		45291.9	183400.5	24.7		48492.7	183400.5	26.4	B31.12-IP-19
50(OCC)		44276.1	183400.5	24.1		47171.6	183400.5	25.7	B31.12-IP-19
51(OCC)		48798.5	183400.5	26.6		53039.9	183400.5	28.9	B31.12-IP-19
52(OCC)		49677.3	183400.5	27.1		54235.4	183400.5	29.6	B31.12-IP-19
53(OCC)		44841.9	183400.5	24.5		48269.1	183400.5	26.3	B31.12-IP-19
54(OCC)		47632.7	183400.5	26.0		51217.7	183400.5	27.9	B31.12-IP-19
2(Alt-SUS)	4160	56194.7	137895.1	40.8	4170	68467.2	137895.1	49.7	B31.12-IP-19
4(Alt-SUS)		46806.1	137895.1	33.9		52274.0	137895.1	37.9	B31.12-IP-19
6(Alt-SUS)		43072.1	137895.1	31.2		45821.9	137895.1	33.2	B31.12-IP-19
8(Alt-SUS)		43405.6	137895.1	31.5		46397.7	137895.1	33.6	B31.12-IP-19
14(SUS)		43028.8	137895.1	31.2		45748.4	137895.1	33.2	B31.12-IP-19
24(EXP)		73051.9	288543.2	25.3		132911.3	276270.6	48.1	B31.12-IP-19
25(EXP)		21426.6	288543.2	7.4		40939.9	276270.6	14.8	B31.12-IP-19
26(EXP)		15058.4	288543.2	5.2		28623.7	276270.6	10.4	B31.12-IP-19
27(EXP)		53525.2	288543.2	18.6		102421.1	276270.6	37.1	B31.12-IP-19
28(EXP)		74951.5	288543.2	26.0		143360.1	276270.6	51.9	B31.12-IP-19
42(OCC)		43596.6	183400.5	23.8		46463.7	183400.5	25.3	B31.12-IP-19
43(OCC)		43640.3	183400.5	23.8		46619.5	183400.5	25.4	B31.12-IP-19
44(OCC)		43652.8	183400.5	23.8		46633.5	183400.5	25.4	B31.12-IP-19
45(OCC)		43633.7	183400.5	23.8		46560.1	183400.5	25.4	B31.12-IP-19
46(OCC)		43537.6	183400.5	23.7		46621.9	183400.5	25.4	B31.12-IP-19
47(OCC)		53577.4	183400.5	29.2		59209.6	183400.5	32.3	B31.12-IP-19
48(OCC)		52415.3	183400.5	28.6		55915.0	183400.5	30.5	B31.12-IP-19
49(OCC)		52043.7	183400.5	28.4		53674.9	183400.5	29.3	B31.12-IP-19
50(OCC)		48796.4	183400.5	26.6		53921.5	183400.5	29.4	B31.12-IP-19
51(OCC)		54930.9	183400.5	30.0		59918.9	183400.5	32.7	B31.12-IP-19
52(OCC)		56353.1	183400.5	30.7		62285.0	183400.5	34.0	B31.12-IP-19
53(OCC)		50128.6	183400.5	27.3		56938.8	183400.5	31.0	B31.12-IP-19
54(OCC)		55107.3	183400.5	30.0		57919.6	183400.5	31.6	B31.12-IP-19
2(Alt-SUS)	4170	68389.9	137895.1	49.6	4180	45944.1	137895.1	33.3	B31.12-IP-19
4(Alt-SUS)		52294.1	137895.1	37.9		39988.3	137895.1	29.0	B31.12-IP-19
6(Alt-SUS)		45880.0	137895.1	33.3		37625.2	137895.1	27.3	B31.12-IP-19
8(Alt-SUS)		46452.8	137895.1	33.7		37836.9	137895.1	27.4	B31.12-IP-19
14(SUS)		45805.2	137895.1	33.2		37593.9	137895.1	27.3	B31.12-IP-19
24(EXP)		142731.1	276347.9	51.6		46214.9	298793.8	15.5	B31.12-IP-19
25(EXP)		43220.0	276347.9	15.6		13451.0	298793.8	4.5	B31.12-IP-19
26(EXP)		30265.3	276347.9	11.0		9436.3	298793.8	3.2	B31.12-IP-19
27(EXP)		108049.3	276347.9	39.1		33578.9	298793.8	11.2	B31.12-IP-19
28(EXP)		151268.6	276347.9	54.7		47029.7	298793.8	15.7	B31.12-IP-19
42(OCC)		46503.1	183400.5	25.4		37882.9	183400.5	20.7	B31.12-IP-19
43(OCC)		46665.1	183400.5	25.4		37939.7	183400.5	20.7	B31.12-IP-19
44(OCC)		46613.9	183400.5	25.4		37954.9	183400.5	20.7	B31.12-IP-19
45(OCC)		46520.1	183400.5	25.4		37912.9	183400.5	20.7	B31.12-IP-19
46(OCC)		46672.8	183400.5	25.4		37916.9	183400.5	20.7	B31.12-IP-19
47(OCC)		58127.8	183400.5	31.7		42611.0	183400.5	23.2	B31.12-IP-19
48(OCC)		56092.4	183400.5	30.6		43028.3	183400.5	23.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		52246.0	183400.5	28.5		44471.7	183400.5	24.2	B31.12-IP-19
50(OCC)		53824.7	183400.5	29.3		43431.1	183400.5	23.7	B31.12-IP-19
51(OCC)		58212.4	183400.5	31.7		44193.4	183400.5	24.1	B31.12-IP-19
52(OCC)		62096.9	183400.5	33.9		45073.4	183400.5	24.6	B31.12-IP-19
53(OCC)		57146.0	183400.5	31.2		44618.6	183400.5	24.3	B31.12-IP-19
54(OCC)		57409.4	183400.5	31.3		43446.9	183400.5	23.7	B31.12-IP-19
2(Alt-SUS)	4180	0.0	0.0	0.0	4190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4190	0.0	0.0	0.0	4200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4200	0.0	0.0	0.0	4210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4210	0.0	0.0	0.0	4220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4200	0.0	0.0	0.0	4230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4100	43745.2	137895.1	31.7	4240	34854.6	137895.1	25.3	B31.12-IP-19
4(Alt-SUS)		34185.7	137895.1	24.8		30941.2	137895.1	22.4	B31.12-IP-19
6(Alt-SUS)		32289.4	137895.1	23.4		29959.8	137895.1	21.7	B31.12-IP-19
8(Alt-SUS)		32415.3	137895.1	23.5		30032.7	137895.1	21.8	B31.12-IP-19
14(SUS)		32176.1	137895.1	23.3		29900.1	137895.1	21.7	B31.12-IP-19
24(EXP)		174578.9	300992.7	58.0		62944.4	309883.3	20.3	B31.12-IP-19
25(EXP)		56279.3	300992.7	18.7		19377.5	309883.3	6.3	B31.12-IP-19
26(EXP)		39568.1	300992.7	13.1		13711.6	309883.3	4.4	B31.12-IP-19
27(EXP)		140259.6	300992.7	46.6		48443.2	309883.3	15.6	B31.12-IP-19
28(EXP)		196538.0	300992.7	65.3		67820.1	309883.3	21.9	B31.12-IP-19
42(OCC)		32552.1	183400.5	17.7		30119.4	183400.5	16.4	B31.12-IP-19
43(OCC)		32936.6	183400.5	18.0		30352.7	183400.5	16.5	B31.12-IP-19
44(OCC)		32620.6	183400.5	17.8		30076.9	183400.5	16.4	B31.12-IP-19
45(OCC)		32561.4	183400.5	17.8		30060.9	183400.5	16.4	B31.12-IP-19
46(OCC)		32617.6	183400.5	17.8		30167.8	183400.5	16.4	B31.12-IP-19
47(OCC)		43683.2	183400.5	23.8		36350.8	183400.5	19.8	B31.12-IP-19
48(OCC)		41604.0	183400.5	22.7		35184.5	183400.5	19.2	B31.12-IP-19
49(OCC)		45371.1	183400.5	24.7		34692.3	183400.5	18.9	B31.12-IP-19
50(OCC)		62760.9	183400.5	34.2		41842.2	183400.5	22.8	B31.12-IP-19
51(OCC)		40052.0	183400.5	21.8		34227.0	183400.5	18.7	B31.12-IP-19
52(OCC)		44890.9	183400.5	24.5		36909.2	183400.5	20.1	B31.12-IP-19
53(OCC)		35408.5	183400.5	19.3		31983.1	183400.5	17.4	B31.12-IP-19
54(OCC)		36484.1	183400.5	19.9		32030.5	183400.5	17.5	B31.12-IP-19
2(Alt-SUS)	4240	34854.6	137895.1	25.3	4250	36272.5	137895.1	26.3	B31.12-IP-19
4(Alt-SUS)		30941.2	137895.1	22.4		24917.6	137895.1	18.1	B31.12-IP-19
6(Alt-SUS)		29959.8	137895.1	21.7		21064.4	137895.1	15.3	B31.12-IP-19
8(Alt-SUS)		30032.7	137895.1	21.8		21372.9	137895.1	15.5	B31.12-IP-19
14(SUS)		29900.1	137895.1	21.7		20891.4	137895.1	15.2	B31.12-IP-19
24(EXP)		62944.4	309883.3	20.3		176022.5	308465.3	57.1	B31.12-IP-19
25(EXP)		19377.5	309883.3	6.3		52529.5	308465.3	17.0	B31.12-IP-19
26(EXP)		13711.6	309883.3	4.4		37231.4	308465.3	12.1	B31.12-IP-19
27(EXP)		48443.2	309883.3	15.6		131484.8	308465.3	42.6	B31.12-IP-19
28(EXP)		67820.1	309883.3	21.9		184012.4	308465.3	59.7	B31.12-IP-19
42(OCC)		30119.4	183400.5	16.4		21510.9	183400.5	11.7	B31.12-IP-19
43(OCC)		30352.7	183400.5	16.5		22193.1	183400.5	12.1	B31.12-IP-19
44(OCC)		30076.9	183400.5	16.4		21350.5	183400.5	11.6	B31.12-IP-19
45(OCC)		30060.9	183400.5	16.4		21339.4	183400.5	11.6	B31.12-IP-19
46(OCC)		30167.8	183400.5	16.4		21659.5	183400.5	11.8	B31.12-IP-19
47(OCC)		36350.8	183400.5	19.8		40798.1	183400.5	22.2	B31.12-IP-19
48(OCC)		35184.5	183400.5	19.2		35636.0	183400.5	19.4	B31.12-IP-19
49(OCC)		34692.3	183400.5	18.9		30617.7	183400.5	16.7	B31.12-IP-19
50(OCC)		41842.2	183400.5	22.8		49951.3	183400.5	27.2	B31.12-IP-19
51(OCC)		34227.0	183400.5	18.7		32876.3	183400.5	17.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		36909.2	183400.5	20.1		42743.0	183400.5	23.3	B31.12-IP-19
53(OCC)		31983.1	183400.5	17.4		28499.7	183400.5	15.5	B31.12-IP-19
54(OCC)		32030.5	183400.5	17.5		28229.8	183400.5	15.4	B31.12-IP-19
2(Alt-SUS)	4250	0.0	0.0	0.0	4260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4260	0.0	0.0	0.0	4270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4270	0.0	0.0	0.0	4280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4280	23708.6	137895.1	17.2	4290	35733.3	137895.1	25.9	B31.12-IP-19
4(Alt-SUS)		27035.4	137895.1	19.6		47502.4	137895.1	34.4	B31.12-IP-19
6(Alt-SUS)		22949.2	137895.1	16.6		36908.7	137895.1	26.8	B31.12-IP-19
8(Alt-SUS)		23314.2	137895.1	16.9		37861.1	137895.1	27.5	B31.12-IP-19
14(SUS)		22984.0	137895.1	16.7		37065.5	137895.1	26.9	B31.12-IP-19
24(EXP)		69681.7	317702.4	21.9		157095.4	297235.4	52.9	B31.12-IP-19
25(EXP)		17557.3	317702.4	5.5		46810.5	297235.4	15.7	B31.12-IP-19
26(EXP)		13483.0	317702.4	4.2		35801.2	297235.4	12.0	B31.12-IP-19
27(EXP)		45231.2	317702.4	14.2		119856.1	297235.4	40.3	B31.12-IP-19
28(EXP)		62787.9	317702.4	19.8		166659.4	297235.4	56.1	B31.12-IP-19
42(OCC)		23526.6	183400.5	12.8		38848.6	183400.5	21.2	B31.12-IP-19
43(OCC)		23386.7	183400.5	12.8		37495.8	183400.5	20.4	B31.12-IP-19
44(OCC)		23905.0	183400.5	13.0		39353.5	183400.5	21.5	B31.12-IP-19
45(OCC)		23791.8	183400.5	13.0		39030.2	183400.5	21.3	B31.12-IP-19
46(OCC)		23767.4	183400.5	13.0		38925.6	183400.5	21.2	B31.12-IP-19
47(OCC)		27323.1	183400.5	14.9		40795.8	183400.5	22.2	B31.12-IP-19
48(OCC)		29416.4	183400.5	16.0		61934.5	183400.5	33.8	B31.12-IP-19
49(OCC)		29631.7	183400.5	16.2		52332.0	183400.5	28.5	B31.12-IP-19
50(OCC)		27616.6	183400.5	15.1		47223.9	183400.5	25.7	B31.12-IP-19
51(OCC)		31881.6	183400.5	17.4		68634.6	183400.5	37.4	B31.12-IP-19
52(OCC)		28657.1	183400.5	15.6		40319.8	183400.5	22.0	B31.12-IP-19
53(OCC)		31693.7	183400.5	17.3		54792.9	183400.5	29.9	B31.12-IP-19
54(OCC)		32375.8	183400.5	17.7		57782.6	183400.5	31.5	B31.12-IP-19
2(Alt-SUS)	4290	0.0	0.0	0.0	4300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4300	0.0	0.0	0.0	4310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4310	0.0	0.0	0.0	4320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	4170	25590.5	137895.1	18.6	4330	21632.2	137895.1	15.7	B31.12-IP-19
4(Alt-SUS)		24907.0	137895.1	18.1		21322.3	137895.1	15.5	B31.12-IP-19
6(Alt-SUS)		24620.9	137895.1	17.9		21196.7	137895.1	15.4	B31.12-IP-19
8(Alt-SUS)		24635.6	137895.1	17.9		21202.9	137895.1	15.4	B31.12-IP-19
14(SUS)		24667.1	137895.1	17.9		21218.9	137895.1	15.4	B31.12-IP-19
24(EXP)		98195.2	319147.3	30.8		32818.4	323105.7	10.2	B31.12-IP-19
25(EXP)		25382.2	319147.3	8.0		8435.4	323105.7	2.6	B31.12-IP-19
26(EXP)		18385.6	319147.3	5.8		6114.5	323105.7	1.9	B31.12-IP-19
27(EXP)		64068.5	319147.3	20.1		21304.0	323105.7	6.6	B31.12-IP-19
28(EXP)		89450.4	319147.3	28.0		29739.3	323105.7	9.2	B31.12-IP-19
42(OCC)		25041.4	183400.5	13.7		21393.8	183400.5	11.7	B31.12-IP-19
43(OCC)		24902.4	183400.5	13.6		21330.2	183400.5	11.6	B31.12-IP-19
44(OCC)		25129.0	183400.5	13.7		21378.7	183400.5	11.7	B31.12-IP-19
45(OCC)		25151.7	183400.5	13.7		21389.7	183400.5	11.7	B31.12-IP-19
46(OCC)		24713.8	183400.5	13.5		21242.3	183400.5	11.6	B31.12-IP-19
47(OCC)		38315.4	183400.5	20.9		27617.2	183400.5	15.1	B31.12-IP-19
48(OCC)		31625.9	183400.5	17.2		24801.2	183400.5	13.5	B31.12-IP-19
49(OCC)		31768.0	183400.5	17.3		24589.8	183400.5	13.4	B31.12-IP-19
50(OCC)		28315.9	183400.5	15.4		23083.8	183400.5	12.6	B31.12-IP-19
51(OCC)		35278.5	183400.5	19.2		26705.0	183400.5	14.6	B31.12-IP-19
52(OCC)		37500.2	183400.5	20.4		27148.7	183400.5	14.8	B31.12-IP-19
53(OCC)		27210.3	183400.5	14.8		22352.6	183400.5	12.2	B31.12-IP-19
54(OCC)		33043.0	183400.5	18.0		25318.3	183400.5	13.8	B31.12-IP-19
2(Alt-SUS)	4330	21632.2	137895.1	15.7	4338	19651.8	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		21322.3	137895.1	15.5		19565.5	137895.1	14.2	B31.12-IP-19
6(Alt-SUS)		21196.7	137895.1	15.4		19540.4	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21202.9	137895.1	15.4		19543.3	137895.1	14.2	B31.12-IP-19
14(SUS)		21218.9	137895.1	15.4		19539.1	137895.1	14.2	B31.12-IP-19
24(EXP)		32818.4	323105.7	10.2		43722.6	325086.0	13.4	B31.12-IP-19
25(EXP)		8435.4	323105.7	2.6		12139.9	325086.0	3.7	B31.12-IP-19
26(EXP)		6114.5	323105.7	1.9		8726.9	325086.0	2.7	B31.12-IP-19
27(EXP)		21304.0	323105.7	6.6		30503.3	325086.0	9.4	B31.12-IP-19
28(EXP)		29739.3	323105.7	9.2		42643.3	325086.0	13.1	B31.12-IP-19
42(OCC)		21393.8	183400.5	11.7		19572.7	183400.5	10.7	B31.12-IP-19
43(OCC)		21330.2	183400.5	11.6		19564.0	183400.5	10.7	B31.12-IP-19
44(OCC)		21378.7	183400.5	11.7		19606.1	183400.5	10.7	B31.12-IP-19
45(OCC)		21389.7	183400.5	11.7		19587.1	183400.5	10.7	B31.12-IP-19
46(OCC)		21242.3	183400.5	11.6		19551.4	183400.5	10.7	B31.12-IP-19
47(OCC)		27617.2	183400.5	15.1		20412.1	183400.5	11.1	B31.12-IP-19
48(OCC)		24801.2	183400.5	13.5		21162.7	183400.5	11.5	B31.12-IP-19
49(OCC)		24589.8	183400.5	13.4		20794.6	183400.5	11.3	B31.12-IP-19
50(OCC)		23083.8	183400.5	12.6		20266.2	183400.5	11.1	B31.12-IP-19
51(OCC)		26705.0	183400.5	14.6		21116.4	183400.5	11.5	B31.12-IP-19
52(OCC)		27148.7	183400.5	14.8		20690.0	183400.5	11.3	B31.12-IP-19
53(OCC)		22352.6	183400.5	12.2		19912.6	183400.5	10.9	B31.12-IP-19
54(OCC)		25318.3	183400.5	13.8		21134.8	183400.5	11.5	B31.12-IP-19
2(Alt-SUS)	4338	19924.9	137895.1	14.4	4339	19868.8	137895.1	14.4	B31.12-IP-19
4(Alt-SUS)		19813.3	137895.1	14.4		19921.2	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19780.1	137895.1	14.3		19948.8	137895.1	14.5	B31.12-IP-19
8(Alt-SUS)		19783.9	137895.1	14.3		19947.0	137895.1	14.5	B31.12-IP-19
14(SUS)		19777.7	137895.1	14.3		19947.6	137895.1	14.5	B31.12-IP-19
24(EXP)		93450.2	324813.0	28.8		80708.2	324789.0	24.8	B31.12-IP-19
25(EXP)		25977.3	324813.0	8.0		22472.7	324789.0	6.9	B31.12-IP-19
26(EXP)		18672.6	324813.0	5.7		16158.7	324789.0	5.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		65268.6	324813.0	20.1		56482.7	324789.0	17.4	B31.12-IP-19
28(EXP)		91245.9	324813.0	28.1		78955.4	324789.0	24.3	B31.12-IP-19
42(OCC)		19823.8	183400.5	10.8		19972.0	183400.5	10.9	B31.12-IP-19
43(OCC)		19812.9	183400.5	10.8		19968.3	183400.5	10.9	B31.12-IP-19
44(OCC)		19863.5	183400.5	10.8		20066.7	183400.5	10.9	B31.12-IP-19
45(OCC)		19830.7	183400.5	10.8		20058.4	183400.5	10.9	B31.12-IP-19
46(OCC)		19791.5	183400.5	10.8		19960.1	183400.5	10.9	B31.12-IP-19
47(OCC)		20762.6	183400.5	11.3		21392.7	183400.5	11.7	B31.12-IP-19
48(OCC)		21799.7	183400.5	11.9		21539.0	183400.5	11.7	B31.12-IP-19
49(OCC)		21612.6	183400.5	11.8		22031.4	183400.5	12.0	B31.12-IP-19
50(OCC)		20629.4	183400.5	11.2		20883.7	183400.5	11.4	B31.12-IP-19
51(OCC)		21864.8	183400.5	11.9		22696.5	183400.5	12.4	B31.12-IP-19
52(OCC)		21220.6	183400.5	11.6		20747.3	183400.5	11.3	B31.12-IP-19
53(OCC)		20158.7	183400.5	11.0		20455.2	183400.5	11.2	B31.12-IP-19
54(OCC)		22146.4	183400.5	12.1		22616.1	183400.5	12.3	B31.12-IP-19
2(Alt-SUS)	4339	19868.8	137895.1	14.4	4340	19204.9	137895.1	13.9	B31.12-IP-19
4(Alt-SUS)		19921.2	137895.1	14.4		19385.6	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19948.8	137895.1	14.5		19458.7	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19947.0	137895.1	14.5		19452.3	137895.1	14.1	B31.12-IP-19
14(SUS)		19947.6	137895.1	14.5		19459.4	137895.1	14.1	B31.12-IP-19
24(EXP)		80708.2	324789.0	24.8		19954.0	325278.4	6.1	B31.12-IP-19
25(EXP)		22472.7	324789.0	6.9		5624.9	325278.4	1.7	B31.12-IP-19
26(EXP)		16158.7	324789.0	5.0		4059.7	325278.4	1.2	B31.12-IP-19
27(EXP)		56482.7	324789.0	17.4		14182.8	325278.4	4.4	B31.12-IP-19
28(EXP)		78955.4	324789.0	24.3		19807.7	325278.4	6.1	B31.12-IP-19
42(OCC)		19972.0	183400.5	10.9		19477.4	183400.5	10.6	B31.12-IP-19
43(OCC)		19968.3	183400.5	10.9		19489.8	183400.5	10.6	B31.12-IP-19
44(OCC)		20066.7	183400.5	10.9		19534.3	183400.5	10.7	B31.12-IP-19
45(OCC)		20058.4	183400.5	10.9		19540.5	183400.5	10.7	B31.12-IP-19
46(OCC)		19960.1	183400.5	10.9		19471.5	183400.5	10.6	B31.12-IP-19
47(OCC)		21392.7	183400.5	11.7		21926.3	183400.5	12.0	B31.12-IP-19
48(OCC)		21539.0	183400.5	11.7		21005.4	183400.5	11.5	B31.12-IP-19
49(OCC)		22031.4	183400.5	12.0		21110.8	183400.5	11.5	B31.12-IP-19
50(OCC)		20883.7	183400.5	11.4		20232.4	183400.5	11.0	B31.12-IP-19
51(OCC)		22696.5	183400.5	12.4		22807.8	183400.5	12.4	B31.12-IP-19
52(OCC)		20747.3	183400.5	11.3		20829.0	183400.5	11.4	B31.12-IP-19
53(OCC)		20455.2	183400.5	11.2		20063.7	183400.5	10.9	B31.12-IP-19
54(OCC)		22616.1	183400.5	12.3		21439.3	183400.5	11.7	B31.12-IP-19
2(Alt-SUS)	4340	19119.7	137895.1	13.9	4345	19646.1	137895.1	14.2	B31.12-IP-19
4(Alt-SUS)		19253.6	137895.1	14.0		19672.9	137895.1	14.3	B31.12-IP-19
6(Alt-SUS)		19307.6	137895.1	14.0		19692.9	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19302.8	137895.1	14.0		19690.2	137895.1	14.3	B31.12-IP-19
14(SUS)		19308.1	137895.1	14.0		19697.3	137895.1	14.3	B31.12-IP-19
24(EXP)		9340.0	325429.8	2.9		62557.1	325040.6	19.2	B31.12-IP-19
25(EXP)		2632.0	325429.8	0.8		17329.2	325040.6	5.3	B31.12-IP-19
26(EXP)		1899.4	325429.8	0.6		12434.7	325040.6	3.8	B31.12-IP-19
27(EXP)		6636.2	325429.8	2.0		43485.6	325040.6	13.4	B31.12-IP-19
28(EXP)		9268.2	325429.8	2.8		60814.8	325040.6	18.7	B31.12-IP-19
42(OCC)		19320.5	183400.5	10.5		19762.1	183400.5	10.8	B31.12-IP-19
43(OCC)		19329.6	183400.5	10.5		19772.7	183400.5	10.8	B31.12-IP-19
44(OCC)		19371.8	183400.5	10.6		19833.2	183400.5	10.8	B31.12-IP-19
45(OCC)		19371.6	183400.5	10.6		19802.8	183400.5	10.8	B31.12-IP-19
46(OCC)		19317.9	183400.5	10.5		19709.6	183400.5	10.7	B31.12-IP-19
47(OCC)		20906.2	183400.5	11.4		22663.8	183400.5	12.4	B31.12-IP-19
48(OCC)		20399.3	183400.5	11.1		22745.8	183400.5	12.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		20607.2	183400.5	11.2		20814.4	183400.5	11.3	B31.12-IP-19
50(OCC)		19850.2	183400.5	10.8		19827.2	183400.5	10.8	B31.12-IP-19
51(OCC)		21502.9	183400.5	11.7		22378.8	183400.5	12.2	B31.12-IP-19
52(OCC)		20229.7	183400.5	11.0		22905.7	183400.5	12.5	B31.12-IP-19
53(OCC)		19765.3	183400.5	10.8		20280.7	183400.5	11.1	B31.12-IP-19
54(OCC)		20778.8	183400.5	11.3		20810.1	183400.5	11.3	B31.12-IP-19
2(Alt-SUS)	4345	19644.8	137895.1	14.2	4350	26793.2	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		19672.3	137895.1	14.3		26704.5	137895.1	19.4	B31.12-IP-19
6(Alt-SUS)		19692.9	137895.1	14.3		26670.0	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19690.2	137895.1	14.3		26676.2	137895.1	19.3	B31.12-IP-19
14(SUS)		19697.2	137895.1	14.3		26656.7	137895.1	19.3	B31.12-IP-19
24(EXP)		62557.1	325040.7	19.2		42809.6	317944.7	13.5	B31.12-IP-19
25(EXP)		17329.2	325040.7	5.3		11607.5	317944.7	3.7	B31.12-IP-19
26(EXP)		12434.7	325040.7	3.8		8466.1	317944.7	2.7	B31.12-IP-19
27(EXP)		43485.6	325040.7	13.4		29379.6	317944.7	9.2	B31.12-IP-19
28(EXP)		60814.8	325040.7	18.7		40987.2	317944.7	12.9	B31.12-IP-19
42(OCC)		19801.3	183400.5	10.8		27192.8	183400.5	14.8	B31.12-IP-19
43(OCC)		19811.0	183400.5	10.8		27171.6	183400.5	14.8	B31.12-IP-19
44(OCC)		19875.9	183400.5	10.8		26870.4	183400.5	14.7	B31.12-IP-19
45(OCC)		19836.8	183400.5	10.8		26960.7	183400.5	14.7	B31.12-IP-19
46(OCC)		19710.0	183400.5	10.7		26666.7	183400.5	14.5	B31.12-IP-19
47(OCC)		22907.7	183400.5	12.5		33918.5	183400.5	18.5	B31.12-IP-19
48(OCC)		23257.5	183400.5	12.7		38770.5	183400.5	21.1	B31.12-IP-19
49(OCC)		21213.4	183400.5	11.6		28868.7	183400.5	15.7	B31.12-IP-19
50(OCC)		20230.4	183400.5	11.0		33828.8	183400.5	18.4	B31.12-IP-19
51(OCC)		22711.2	183400.5	12.4		38512.2	183400.5	21.0	B31.12-IP-19
52(OCC)		23421.1	183400.5	12.8		34345.2	183400.5	18.7	B31.12-IP-19
53(OCC)		20917.7	183400.5	11.4		33893.0	183400.5	18.5	B31.12-IP-19
54(OCC)		21090.1	183400.5	11.5		28390.4	183400.5	15.5	B31.12-IP-19
2(Alt-SUS)	4350	26793.1	137895.1	19.4	4358	19284.1	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		26704.5	137895.1	19.4		19237.5	137895.1	14.0	B31.12-IP-19
6(Alt-SUS)		26670.0	137895.1	19.3		19219.4	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26676.2	137895.1	19.3		19221.5	137895.1	13.9	B31.12-IP-19
14(SUS)		26656.4	137895.1	19.3		19217.2	137895.1	13.9	B31.12-IP-19
24(EXP)		42809.6	317944.7	13.5		6539.2	325453.7	2.0	B31.12-IP-19
25(EXP)		11607.5	317944.7	3.7		1783.8	325453.7	0.5	B31.12-IP-19
26(EXP)		8466.1	317944.7	2.7		1316.9	325453.7	0.4	B31.12-IP-19
27(EXP)		29379.6	317944.7	9.2		4503.7	325453.7	1.4	B31.12-IP-19
28(EXP)		40987.2	317944.7	12.9		6287.5	325453.7	1.9	B31.12-IP-19
42(OCC)		27160.2	183400.5	14.8		19263.4	183400.5	10.5	B31.12-IP-19
43(OCC)		27139.3	183400.5	14.8		19262.7	183400.5	10.5	B31.12-IP-19
44(OCC)		26850.8	183400.5	14.6		19507.1	183400.5	10.6	B31.12-IP-19
45(OCC)		26948.6	183400.5	14.7		19479.6	183400.5	10.6	B31.12-IP-19
46(OCC)		26666.0	183400.5	14.5		19223.6	183400.5	10.5	B31.12-IP-19
47(OCC)		33605.8	183400.5	18.3		20083.8	183400.5	11.0	B31.12-IP-19
48(OCC)		38432.0	183400.5	21.0		20316.1	183400.5	11.1	B31.12-IP-19
49(OCC)		28691.2	183400.5	15.6		23310.2	183400.5	12.7	B31.12-IP-19
50(OCC)		33984.8	183400.5	18.5		22935.2	183400.5	12.5	B31.12-IP-19
51(OCC)		38176.5	183400.5	20.8		20826.2	183400.5	11.4	B31.12-IP-19
52(OCC)		33992.5	183400.5	18.5		19952.8	183400.5	10.9	B31.12-IP-19
53(OCC)		33928.3	183400.5	18.5		23206.4	183400.5	12.7	B31.12-IP-19
54(OCC)		28283.1	183400.5	15.4		23224.7	183400.5	12.7	B31.12-IP-19
2(Alt-SUS)	4358	19425.0	137895.1	14.1	4359	23067.8	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19364.1	137895.1	14.0		23055.7	137895.1	16.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		19340.6	137895.1	14.0		23050.7	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19343.3	137895.1	14.0		23053.8	137895.1	16.7	B31.12-IP-19
14(SUS)		19337.7	137895.1	14.0		23039.1	137895.1	16.7	B31.12-IP-19
24(EXP)		13816.9	325312.8	4.2		58092.2	321670.1	18.1	B31.12-IP-19
25(EXP)		3798.8	325312.8	1.2		15970.4	321670.1	5.0	B31.12-IP-19
26(EXP)		2804.1	325312.8	0.9		11660.3	321670.1	3.6	B31.12-IP-19
27(EXP)		9590.2	325312.8	2.9		40360.1	321670.1	12.5	B31.12-IP-19
28(EXP)		13389.1	325312.8	4.1		56330.6	321670.1	17.5	B31.12-IP-19
42(OCC)		19407.4	183400.5	10.6		23277.7	183400.5	12.7	B31.12-IP-19
43(OCC)		19406.6	183400.5	10.6		23265.5	183400.5	12.7	B31.12-IP-19
44(OCC)		19712.9	183400.5	10.7		23487.1	183400.5	12.8	B31.12-IP-19
45(OCC)		19677.7	183400.5	10.7		23311.8	183400.5	12.7	B31.12-IP-19
46(OCC)		19344.5	183400.5	10.5		23046.3	183400.5	12.6	B31.12-IP-19
47(OCC)		20564.0	183400.5	11.2		27302.4	183400.5	14.9	B31.12-IP-19
48(OCC)		20681.2	183400.5	11.3		31784.1	183400.5	17.3	B31.12-IP-19
49(OCC)		24610.0	183400.5	13.4		29977.1	183400.5	16.3	B31.12-IP-19
50(OCC)		24163.6	183400.5	13.2		25071.2	183400.5	13.7	B31.12-IP-19
51(OCC)		21640.8	183400.5	11.8		30276.3	183400.5	16.5	B31.12-IP-19
52(OCC)		20197.8	183400.5	11.0		28748.5	183400.5	15.7	B31.12-IP-19
53(OCC)		24547.0	183400.5	13.4		25579.3	183400.5	13.9	B31.12-IP-19
54(OCC)		24524.8	183400.5	13.4		29776.3	183400.5	16.2	B31.12-IP-19
2(Alt-SUS)	4359	23067.8	137895.1	16.7	4360	24649.4	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23055.7	137895.1	16.7		24679.2	137895.1	17.9	B31.12-IP-19
6(Alt-SUS)		23050.7	137895.1	16.7		24690.5	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23053.8	137895.1	16.7		24693.0	137895.1	17.9	B31.12-IP-19
14(SUS)		23039.1	137895.1	16.7		24675.4	137895.1	17.9	B31.12-IP-19
24(EXP)		58092.2	321670.1	18.1		76687.1	320044.9	24.0	B31.12-IP-19
25(EXP)		15970.4	321670.1	5.0		21008.9	320044.9	6.6	B31.12-IP-19
26(EXP)		11660.3	321670.1	3.6		15267.4	320044.9	4.8	B31.12-IP-19
27(EXP)		40360.1	321670.1	12.5		53050.0	320044.9	16.6	B31.12-IP-19
28(EXP)		56330.6	321670.1	17.5		74058.9	320044.9	23.1	B31.12-IP-19
42(OCC)		23277.7	183400.5	12.7		24986.7	183400.5	13.6	B31.12-IP-19
43(OCC)		23265.5	183400.5	12.7		24975.1	183400.5	13.6	B31.12-IP-19
44(OCC)		23487.1	183400.5	12.8		25089.2	183400.5	13.7	B31.12-IP-19
45(OCC)		23311.8	183400.5	12.7		24931.4	183400.5	13.6	B31.12-IP-19
46(OCC)		23046.3	183400.5	12.6		24683.3	183400.5	13.5	B31.12-IP-19
47(OCC)		27302.4	183400.5	14.9		31066.5	183400.5	16.9	B31.12-IP-19
48(OCC)		31784.1	183400.5	17.3		36859.8	183400.5	20.1	B31.12-IP-19
49(OCC)		29977.1	183400.5	16.3		32506.5	183400.5	17.7	B31.12-IP-19
50(OCC)		25071.2	183400.5	13.7		29356.8	183400.5	16.0	B31.12-IP-19
51(OCC)		30276.3	183400.5	16.5		36269.7	183400.5	19.8	B31.12-IP-19
52(OCC)		28748.5	183400.5	15.7		31651.6	183400.5	17.3	B31.12-IP-19
53(OCC)		25579.3	183400.5	13.9		28886.3	183400.5	15.8	B31.12-IP-19
54(OCC)		29776.3	183400.5	16.2		32333.1	183400.5	17.6	B31.12-IP-19
2(Alt-SUS)	4360	23361.0	137895.1	16.9	4370	23605.2	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23377.8	137895.1	17.0		23618.7	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23383.6	137895.1	17.0		23623.1	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23385.9	137895.1	17.0		23625.6	137895.1	17.1	B31.12-IP-19
14(SUS)		23371.2	137895.1	16.9		23610.3	137895.1	17.1	B31.12-IP-19
24(EXP)		38447.5	321352.0	12.0		38635.0	321112.2	12.0	B31.12-IP-19
25(EXP)		10218.6	321352.0	3.2		10247.5	321112.2	3.2	B31.12-IP-19
26(EXP)		7436.8	321352.0	2.3		7456.2	321112.2	2.3	B31.12-IP-19
27(EXP)		25814.2	321352.0	8.0		25885.9	321112.2	8.1	B31.12-IP-19
28(EXP)		36032.8	321352.0	11.2		36133.3	321112.2	11.3	B31.12-IP-19
42(OCC)		23582.7	183400.5	12.9		23820.0	183400.5	13.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		23578.3	183400.5	12.9		23816.4	183400.5	13.0	B31.12-IP-19
44(OCC)		23768.5	183400.5	13.0		24011.4	183400.5	13.1	B31.12-IP-19
45(OCC)		23598.4	183400.5	12.9		23842.2	183400.5	13.0	B31.12-IP-19
46(OCC)		23377.8	183400.5	12.7		23616.9	183400.5	12.9	B31.12-IP-19
47(OCC)		27870.8	183400.5	15.2		28137.4	183400.5	15.3	B31.12-IP-19
48(OCC)		33374.0	183400.5	18.2		33782.4	183400.5	18.4	B31.12-IP-19
49(OCC)		30504.1	183400.5	16.6		30822.0	183400.5	16.8	B31.12-IP-19
50(OCC)		26651.1	183400.5	14.5		27064.5	183400.5	14.8	B31.12-IP-19
51(OCC)		33038.3	183400.5	18.0		33481.3	183400.5	18.3	B31.12-IP-19
52(OCC)		28250.1	183400.5	15.4		28472.5	183400.5	15.5	B31.12-IP-19
53(OCC)		26410.1	183400.5	14.4		26831.0	183400.5	14.6	B31.12-IP-19
54(OCC)		30267.2	183400.5	16.5		30575.6	183400.5	16.7	B31.12-IP-19
2(Alt-SUS)	4370	0.0	0.0	0.0	4380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4380	0.0	0.0	0.0	4390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4390	0.0	0.0	0.0	4400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4400	0.0	0.0	0.0	4410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4390	0.0	0.0	0.0	4420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4320	0.0	0.0	0.0	4430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4430	4811.6	137895.1	3.5	4440	3427.1	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		14200.9	137895.1	10.3		9474.1	137895.1	6.9	B31.12-IP-19
6(Alt-SUS)		26471.8	137895.1	19.2		13527.1	137895.1	9.8	B31.12-IP-19
8(Alt-SUS)		25376.3	137895.1	18.4		13166.0	137895.1	9.5	B31.12-IP-19
14(SUS)		26525.4	137895.1	19.2		13565.3	137895.1	9.8	B31.12-IP-19
24(EXP)		27675.9	318212.4	8.7		6562.2	331172.5	2.0	B31.12-IP-19
25(EXP)		7712.5	318212.4	2.4		1180.8	331172.5	0.4	B31.12-IP-19
26(EXP)		6689.7	318212.4	2.1		589.5	331172.5	0.2	B31.12-IP-19
27(EXP)		19783.3	318212.4	6.2		2962.3	331172.5	0.9	B31.12-IP-19
28(EXP)		27475.3	318212.4	8.6		4133.2	331172.5	1.2	B31.12-IP-19
42(OCC)		27753.9	183400.5	15.1		13868.6	183400.5	7.6	B31.12-IP-19
43(OCC)		27293.0	183400.5	14.9		13923.4	183400.5	7.6	B31.12-IP-19
44(OCC)		28339.0	183400.5	15.5		14149.2	183400.5	7.7	B31.12-IP-19
45(OCC)		27990.7	183400.5	15.3		14042.9	183400.5	7.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		29987.5	183400.5	16.4		14628.1	183400.5	8.0	B31.12-IP-19
47(OCC)		50279.8	183400.5	27.4		20799.6	183400.5	11.3	B31.12-IP-19
48(OCC)		36851.7	183400.5	20.1		20243.4	183400.5	11.0	B31.12-IP-19
49(OCC)		43018.3	183400.5	23.5		20425.1	183400.5	11.1	B31.12-IP-19
50(OCC)		53500.2	183400.5	29.2		23246.0	183400.5	12.7	B31.12-IP-19
51(OCC)		29489.4	183400.5	16.1		17848.4	183400.5	9.7	B31.12-IP-19
52(OCC)		45385.0	183400.5	24.7		19112.4	183400.5	10.4	B31.12-IP-19
53(OCC)		41857.1	183400.5	22.8		19951.8	183400.5	10.9	B31.12-IP-19
54(OCC)		36162.4	183400.5	19.7		17881.9	183400.5	9.8	B31.12-IP-19
2(Alt-SUS)	4440	3451.1	137895.1	2.5	4445	3023.1	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		9719.0	137895.1	7.0		13247.6	137895.1	9.6	B31.12-IP-19
6(Alt-SUS)		13851.5	137895.1	10.0		18525.2	137895.1	13.4	B31.12-IP-19
8(Alt-SUS)		13483.4	137895.1	9.8		18055.5	137895.1	13.1	B31.12-IP-19
14(SUS)		13891.4	137895.1	10.1		18587.1	137895.1	13.5	B31.12-IP-19
24(EXP)		6562.2	330846.4	2.0		9480.8	326150.8	2.9	B31.12-IP-19
25(EXP)		1180.8	330846.4	0.4		3289.1	326150.8	1.0	B31.12-IP-19
26(EXP)		589.5	330846.4	0.2		1862.9	326150.8	0.6	B31.12-IP-19
27(EXP)		2962.3	330846.4	0.9		8110.4	326150.8	2.5	B31.12-IP-19
28(EXP)		4133.2	330846.4	1.2		11395.3	326150.8	3.5	B31.12-IP-19
42(OCC)		14194.6	183400.5	7.7		18907.6	183400.5	10.3	B31.12-IP-19
43(OCC)		14260.7	183400.5	7.8		19107.8	183400.5	10.4	B31.12-IP-19
44(OCC)		14465.4	183400.5	7.9		19309.9	183400.5	10.5	B31.12-IP-19
45(OCC)		14360.8	183400.5	7.8		19183.5	183400.5	10.5	B31.12-IP-19
46(OCC)		14971.2	183400.5	8.2		19512.9	183400.5	10.6	B31.12-IP-19
47(OCC)		21021.5	183400.5	11.5		27455.1	183400.5	15.0	B31.12-IP-19
48(OCC)		20834.4	183400.5	11.4		29118.4	183400.5	15.9	B31.12-IP-19
49(OCC)		20599.9	183400.5	11.2		28084.7	183400.5	15.3	B31.12-IP-19
50(OCC)		23356.7	183400.5	12.7		31173.0	183400.5	17.0	B31.12-IP-19
51(OCC)		18394.2	183400.5	10.0		26024.3	183400.5	14.2	B31.12-IP-19
52(OCC)		19368.7	183400.5	10.6		25311.3	183400.5	13.8	B31.12-IP-19
53(OCC)		20122.0	183400.5	11.0		27468.7	183400.5	15.0	B31.12-IP-19
54(OCC)		18108.6	183400.5	9.9		24812.2	183400.5	13.5	B31.12-IP-19
2(Alt-SUS)	4445	3116.0	137895.1	2.3	4451	4143.6	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		13282.0	137895.1	9.6		4793.2	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		18642.1	137895.1	13.5		4474.7	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		18165.0	137895.1	13.2		4502.5	137895.1	3.3	B31.12-IP-19
14(SUS)		18701.8	137895.1	13.6		4472.2	137895.1	3.2	B31.12-IP-19
24(EXP)		9480.8	326036.0	2.9		11431.5	339944.6	3.4	B31.12-IP-19
25(EXP)		3289.1	326036.0	1.0		2026.0	339944.6	0.6	B31.12-IP-19
26(EXP)		1862.9	326036.0	0.6		1460.8	339944.6	0.4	B31.12-IP-19
27(EXP)		8110.4	326036.0	2.5		5126.3	339944.6	1.5	B31.12-IP-19
28(EXP)		11395.3	326036.0	3.5		7150.3	339944.6	2.1	B31.12-IP-19
42(OCC)		19020.8	183400.5	10.4		4551.5	183400.5	2.5	B31.12-IP-19
43(OCC)		19235.0	183400.5	10.5		4598.1	183400.5	2.5	B31.12-IP-19
44(OCC)		19430.6	183400.5	10.6		4570.4	183400.5	2.5	B31.12-IP-19
45(OCC)		19305.4	183400.5	10.5		4574.1	183400.5	2.5	B31.12-IP-19
46(OCC)		18803.4	183400.5	10.3		4572.5	183400.5	2.5	B31.12-IP-19
47(OCC)		27507.3	183400.5	15.0		5079.4	183400.5	2.8	B31.12-IP-19
48(OCC)		28983.6	183400.5	15.8		5608.6	183400.5	3.1	B31.12-IP-19
49(OCC)		28271.9	183400.5	15.4		5293.5	183400.5	2.9	B31.12-IP-19
50(OCC)		31417.3	183400.5	17.1		5287.9	183400.5	2.9	B31.12-IP-19
51(OCC)		25930.6	183400.5	14.1		5871.6	183400.5	3.2	B31.12-IP-19
52(OCC)		25324.1	183400.5	13.8		5197.6	183400.5	2.8	B31.12-IP-19
53(OCC)		27640.2	183400.5	15.1		5599.9	183400.5	3.1	B31.12-IP-19
54(OCC)		24946.7	183400.5	13.6		5626.4	183400.5	3.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	4451	5734.6	137895.1	4.2	4449	6486.5	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		7123.1	137895.1	5.2		4464.5	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		6260.0	137895.1	4.5		9072.1	137895.1	6.6	B31.12-IP-19
8(Alt-SUS)		6335.6	137895.1	4.6		8663.3	137895.1	6.3	B31.12-IP-19
14(SUS)		6253.6	137895.1	4.5		9118.8	137895.1	6.6	B31.12-IP-19
24(EXP)		33933.1	337614.8	10.1		45636.9	335619.1	13.6	B31.12-IP-19
25(EXP)		5572.6	337614.8	1.7		7231.3	335619.1	2.2	B31.12-IP-19
26(EXP)		4029.6	337614.8	1.2		5117.9	335619.1	1.5	B31.12-IP-19
27(EXP)		14155.0	337614.8	4.2		18589.9	335619.1	5.5	B31.12-IP-19
28(EXP)		19726.7	337614.8	5.8		25815.1	335619.1	7.7	B31.12-IP-19
42(OCC)		6377.7	183400.5	3.5		9368.2	183400.5	5.1	B31.12-IP-19
43(OCC)		6505.6	183400.5	3.5		9641.6	183400.5	5.3	B31.12-IP-19
44(OCC)		6393.8	183400.5	3.5		9741.9	183400.5	5.3	B31.12-IP-19
45(OCC)		6406.2	183400.5	3.5		9660.8	183400.5	5.3	B31.12-IP-19
46(OCC)		6485.0	183400.5	3.5		9336.4	183400.5	5.1	B31.12-IP-19
47(OCC)		7147.4	183400.5	3.9		12925.1	183400.5	7.0	B31.12-IP-19
48(OCC)		8614.5	183400.5	4.7		13872.5	183400.5	7.6	B31.12-IP-19
49(OCC)		7901.1	183400.5	4.3		13438.5	183400.5	7.3	B31.12-IP-19
50(OCC)		7133.9	183400.5	3.9		17527.1	183400.5	9.6	B31.12-IP-19
51(OCC)		9176.8	183400.5	5.0		11211.5	183400.5	6.1	B31.12-IP-19
52(OCC)		7469.1	183400.5	4.1		11099.8	183400.5	6.1	B31.12-IP-19
53(OCC)		8566.8	183400.5	4.7		12346.3	183400.5	6.7	B31.12-IP-19
54(OCC)		8691.4	183400.5	4.7		10313.6	183400.5	5.6	B31.12-IP-19
2(Alt-SUS)	4449	6486.5	137895.1	4.7	4450	6416.6	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		4464.5	137895.1	3.2		6277.4	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		9072.1	137895.1	6.6		11677.5	137895.1	8.5	B31.12-IP-19
8(Alt-SUS)		8663.3	137895.1	6.3		11196.5	137895.1	8.1	B31.12-IP-19
14(SUS)		9118.8	137895.1	6.6		11738.5	137895.1	8.5	B31.12-IP-19
24(EXP)		45636.9	335619.1	13.6		40298.5	332999.3	12.1	B31.12-IP-19
25(EXP)		7231.3	335619.1	2.2		6343.8	332999.3	1.9	B31.12-IP-19
26(EXP)		5117.9	335619.1	1.5		4173.2	332999.3	1.3	B31.12-IP-19
27(EXP)		18589.9	335619.1	5.5		16016.6	332999.3	4.8	B31.12-IP-19
28(EXP)		25815.1	335619.1	7.7		22346.8	332999.3	6.7	B31.12-IP-19
42(OCC)		9368.2	183400.5	5.1		12263.5	183400.5	6.7	B31.12-IP-19
43(OCC)		9641.6	183400.5	5.3		12054.7	183400.5	6.6	B31.12-IP-19
44(OCC)		9741.9	183400.5	5.3		12514.1	183400.5	6.8	B31.12-IP-19
45(OCC)		9660.8	183400.5	5.3		12394.6	183400.5	6.8	B31.12-IP-19
46(OCC)		9336.4	183400.5	5.1		11924.2	183400.5	6.5	B31.12-IP-19
47(OCC)		12925.1	183400.5	7.0		13965.5	183400.5	7.6	B31.12-IP-19
48(OCC)		13872.5	183400.5	7.6		21152.1	183400.5	11.5	B31.12-IP-19
49(OCC)		13438.5	183400.5	7.3		17584.6	183400.5	9.6	B31.12-IP-19
50(OCC)		17527.1	183400.5	9.6		22155.2	183400.5	12.1	B31.12-IP-19
51(OCC)		11211.5	183400.5	6.1		18020.8	183400.5	9.8	B31.12-IP-19
52(OCC)		11099.8	183400.5	6.1		12459.9	183400.5	6.8	B31.12-IP-19
53(OCC)		12346.3	183400.5	6.7		16958.1	183400.5	9.2	B31.12-IP-19
54(OCC)		10313.6	183400.5	5.6		14774.9	183400.5	8.1	B31.12-IP-19
2(Alt-SUS)	4450	4394.0	137895.1	3.2	4460	4377.7	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4720.5	137895.1	3.4		4706.3	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		7240.8	137895.1	5.3		7203.5	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		7016.4	137895.1	5.1		6981.1	137895.1	5.1	B31.12-IP-19
14(SUS)		7269.2	137895.1	5.3		7231.8	137895.1	5.2	B31.12-IP-19
24(EXP)		15954.8	337468.6	4.7		15825.5	337506.0	4.7	B31.12-IP-19
25(EXP)		2802.6	337468.6	0.8		2775.8	337506.0	0.8	B31.12-IP-19
26(EXP)		2053.5	337468.6	0.6		2040.9	337506.0	0.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		7246.2	337468.6	2.1		7184.4	337506.0	2.1	B31.12-IP-19
28(EXP)		10044.0	337468.6	3.0		9955.2	337506.0	2.9	B31.12-IP-19
42(OCC)		7519.3	183400.5	4.1		7489.4	183400.5	4.1	B31.12-IP-19
43(OCC)		7427.8	183400.5	4.1		7379.0	183400.5	4.0	B31.12-IP-19
44(OCC)		7646.2	183400.5	4.2		7609.1	183400.5	4.1	B31.12-IP-19
45(OCC)		7603.8	183400.5	4.1		7567.8	183400.5	4.1	B31.12-IP-19
46(OCC)		7348.5	183400.5	4.0		7310.2	183400.5	4.0	B31.12-IP-19
47(OCC)		8529.8	183400.5	4.7		8386.2	183400.5	4.6	B31.12-IP-19
48(OCC)		11623.9	183400.5	6.3		11644.4	183400.5	6.3	B31.12-IP-19
49(OCC)		10094.4	183400.5	5.5		10034.0	183400.5	5.5	B31.12-IP-19
50(OCC)		12232.7	183400.5	6.7		12155.8	183400.5	6.6	B31.12-IP-19
51(OCC)		10161.7	183400.5	5.5		10195.6	183400.5	5.6	B31.12-IP-19
52(OCC)		7803.3	183400.5	4.3		7858.9	183400.5	4.3	B31.12-IP-19
53(OCC)		9895.9	183400.5	5.4		9874.0	183400.5	5.4	B31.12-IP-19
54(OCC)		8901.4	183400.5	4.9		8901.6	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	4460	0.0	0.0	0.0	4470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4470	0.0	0.0	0.0	4480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4480	0.0	0.0	0.0	4490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4490	2522.9	137895.1	1.8	4500	2127.9	137895.1	1.5	B31.12-IP-19
4(Alt-SUS)		2985.6	137895.1	2.2		2847.2	137895.1	2.1	B31.12-IP-19
6(Alt-SUS)		4033.3	137895.1	2.9		3385.7	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		3933.7	137895.1	2.9		3319.8	137895.1	2.4	B31.12-IP-19
14(SUS)		4069.2	137895.1	3.0		3463.1	137895.1	2.5	B31.12-IP-19
24(EXP)		17036.7	340668.6	5.0		23340.6	341274.7	6.8	B31.12-IP-19
25(EXP)		2453.1	340668.6	0.7		3339.9	341274.7	1.0	B31.12-IP-19
26(EXP)		2338.8	340668.6	0.7		3118.3	341274.7	0.9	B31.12-IP-19
27(EXP)		6989.4	340668.6	2.1		9442.8	341274.7	2.8	B31.12-IP-19
28(EXP)		9430.3	340668.6	2.8		12767.6	341274.7	3.7	B31.12-IP-19
42(OCC)		5042.6	183400.5	2.7		4997.3	183400.5	2.7	B31.12-IP-19
43(OCC)		4955.9	183400.5	2.7		5032.8	183400.5	2.7	B31.12-IP-19
44(OCC)		4867.9	183400.5	2.7		4738.9	183400.5	2.6	B31.12-IP-19
45(OCC)		4896.6	183400.5	2.7		4789.0	183400.5	2.6	B31.12-IP-19
46(OCC)		4094.6	183400.5	2.2		3479.0	183400.5	1.9	B31.12-IP-19
47(OCC)		4884.5	183400.5	2.7		5125.2	183400.5	2.8	B31.12-IP-19
48(OCC)		6350.2	183400.5	3.5		5604.7	183400.5	3.1	B31.12-IP-19
49(OCC)		7910.9	183400.5	4.3		12208.4	183400.5	6.7	B31.12-IP-19
50(OCC)		11860.2	183400.5	6.5		17327.8	183400.5	9.4	B31.12-IP-19
51(OCC)		5839.7	183400.5	3.2		5370.1	183400.5	2.9	B31.12-IP-19
52(OCC)		5060.5	183400.5	2.8		5131.8	183400.5	2.8	B31.12-IP-19
53(OCC)		5300.5	183400.5	2.9		8578.3	183400.5	4.7	B31.12-IP-19
54(OCC)		5461.8	183400.5	3.0		9023.5	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	4500	3265.2	137895.1	2.4	4510	3261.5	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3313.1	137895.1	2.4		3305.3	137895.1	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		3439.8	137895.1	2.5		3299.3	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3410.8	137895.1	2.5		3295.5	137895.1	2.4	B31.12-IP-19
14(SUS)		3511.7	137895.1	2.5		3286.7	137895.1	2.4	B31.12-IP-19
24(EXP)		23340.6	341226.2	6.8		9965.7	341432.6	2.9	B31.12-IP-19
25(EXP)		3339.9	341226.2	1.0		2305.4	341432.6	0.7	B31.12-IP-19
26(EXP)		3118.3	341226.2	0.9		1746.1	341432.6	0.5	B31.12-IP-19
27(EXP)		9442.8	341226.2	2.8		5919.9	341432.6	1.7	B31.12-IP-19
28(EXP)		12767.6	341226.2	3.7		8221.4	341432.6	2.4	B31.12-IP-19
42(OCC)		5031.7	183400.5	2.7		3771.9	183400.5	2.1	B31.12-IP-19
43(OCC)		5044.5	183400.5	2.8		3777.2	183400.5	2.1	B31.12-IP-19
44(OCC)		4736.2	183400.5	2.6		3549.1	183400.5	1.9	B31.12-IP-19
45(OCC)		4799.9	183400.5	2.6		3561.8	183400.5	1.9	B31.12-IP-19
46(OCC)		3528.7	183400.5	1.9		3298.6	183400.5	1.8	B31.12-IP-19
47(OCC)		5127.3	183400.5	2.8		3800.9	183400.5	2.1	B31.12-IP-19
48(OCC)		5520.4	183400.5	3.0		3992.3	183400.5	2.2	B31.12-IP-19
49(OCC)		12149.9	183400.5	6.6		6449.1	183400.5	3.5	B31.12-IP-19
50(OCC)		16999.5	183400.5	9.3		9881.9	183400.5	5.4	B31.12-IP-19
51(OCC)		5391.5	183400.5	2.9		3978.1	183400.5	2.2	B31.12-IP-19
52(OCC)		5175.3	183400.5	2.8		3841.0	183400.5	2.1	B31.12-IP-19
53(OCC)		8651.2	183400.5	4.7		5142.9	183400.5	2.8	B31.12-IP-19
54(OCC)		8935.7	183400.5	4.9		5139.3	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	4510	3261.4	137895.1	2.4	4518	3268.9	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3305.3	137895.1	2.4		3303.2	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3299.5	137895.1	2.4		3347.8	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3295.7	137895.1	2.4		3315.8	137895.1	2.4	B31.12-IP-19
14(SUS)		3286.8	137895.1	2.4		3369.9	137895.1	2.4	B31.12-IP-19
24(EXP)		9965.7	341432.6	2.9		13777.9	341367.9	4.0	B31.12-IP-19
25(EXP)		2305.4	341432.6	0.7		3320.4	341367.9	1.0	B31.12-IP-19
26(EXP)		1746.1	341432.6	0.5		2665.6	341367.9	0.8	B31.12-IP-19
27(EXP)		5919.9	341432.6	1.7		8742.0	341367.9	2.6	B31.12-IP-19
28(EXP)		8221.4	341432.6	2.4		12062.3	341367.9	3.5	B31.12-IP-19
42(OCC)		3772.0	183400.5	2.1		3497.3	183400.5	1.9	B31.12-IP-19
43(OCC)		3777.3	183400.5	2.1		3468.9	183400.5	1.9	B31.12-IP-19
44(OCC)		3549.3	183400.5	1.9		3524.6	183400.5	1.9	B31.12-IP-19
45(OCC)		3562.1	183400.5	1.9		3564.0	183400.5	1.9	B31.12-IP-19
46(OCC)		3298.6	183400.5	1.8		3392.2	183400.5	1.8	B31.12-IP-19
47(OCC)		3800.9	183400.5	2.1		3560.3	183400.5	1.9	B31.12-IP-19
48(OCC)		3992.2	183400.5	2.2		3865.2	183400.5	2.1	B31.12-IP-19
49(OCC)		6448.0	183400.5	3.5		3642.9	183400.5	2.0	B31.12-IP-19
50(OCC)		9883.4	183400.5	5.4		6245.2	183400.5	3.4	B31.12-IP-19
51(OCC)		3978.1	183400.5	2.2		3703.3	183400.5	2.0	B31.12-IP-19
52(OCC)		3841.1	183400.5	2.1		3498.4	183400.5	1.9	B31.12-IP-19
53(OCC)		5143.6	183400.5	2.8		3742.3	183400.5	2.0	B31.12-IP-19
54(OCC)		5138.7	183400.5	2.8		3609.4	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	4518	3505.9	137895.1	2.5	4519	3258.8	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3564.6	137895.1	2.6		3363.1	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3700.9	137895.1	2.7		3898.8	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3618.0	137895.1	2.6		3788.7	137895.1	2.7	B31.12-IP-19
14(SUS)		3757.5	137895.1	2.7		3993.3	137895.1	2.9	B31.12-IP-19
24(EXP)		31896.8	340980.3	9.4		41654.9	340744.5	12.2	B31.12-IP-19
25(EXP)		8407.2	340980.3	2.5		9600.5	340744.5	2.8	B31.12-IP-19
26(EXP)		6768.2	340980.3	2.0		8131.0	340744.5	2.4	B31.12-IP-19
27(EXP)		22099.0	340980.3	6.5		25877.1	340744.5	7.6	B31.12-IP-19
28(EXP)		30505.9	340980.3	8.9		35477.4	340744.5	10.4	B31.12-IP-19
42(OCC)		3972.7	183400.5	2.2		4337.7	183400.5	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		3955.2	183400.5	2.2		4190.6	183400.5	2.3	B31.12-IP-19
44(OCC)		4075.3	183400.5	2.2		4586.4	183400.5	2.5	B31.12-IP-19
45(OCC)		4138.3	183400.5	2.3		4667.7	183400.5	2.5	B31.12-IP-19
46(OCC)		3806.1	183400.5	2.1		4049.1	183400.5	2.2	B31.12-IP-19
47(OCC)		4166.2	183400.5	2.3		4584.3	183400.5	2.5	B31.12-IP-19
48(OCC)		4872.3	183400.5	2.7		5446.9	183400.5	3.0	B31.12-IP-19
49(OCC)		4345.4	183400.5	2.4		6340.1	183400.5	3.5	B31.12-IP-19
50(OCC)		10467.3	183400.5	5.7		7488.5	183400.5	4.1	B31.12-IP-19
51(OCC)		4450.9	183400.5	2.4		4830.0	183400.5	2.6	B31.12-IP-19
52(OCC)		3959.7	183400.5	2.2		4212.6	183400.5	2.3	B31.12-IP-19
53(OCC)		4306.6	183400.5	2.3		5314.2	183400.5	2.9	B31.12-IP-19
54(OCC)		4035.6	183400.5	2.2		5901.4	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	4519	3258.8	137895.1	2.4	4520	3286.0	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3363.1	137895.1	2.4		3236.0	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		3898.8	137895.1	2.8		4102.4	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3788.7	137895.1	2.7		3991.6	137895.1	2.9	B31.12-IP-19
14(SUS)		3993.3	137895.1	2.9		4216.3	137895.1	3.1	B31.12-IP-19
24(EXP)		41654.9	340744.5	12.2		41579.2	340521.6	12.2	B31.12-IP-19
25(EXP)		9600.5	340744.5	2.8		9028.6	340521.6	2.7	B31.12-IP-19
26(EXP)		8131.0	340744.5	2.4		7826.2	340521.6	2.3	B31.12-IP-19
27(EXP)		25877.1	340744.5	7.6		24639.5	340521.6	7.2	B31.12-IP-19
28(EXP)		35477.4	340744.5	10.4		33667.5	340521.6	9.9	B31.12-IP-19
42(OCC)		4337.7	183400.5	2.4		4733.0	183400.5	2.6	B31.12-IP-19
43(OCC)		4190.6	183400.5	2.3		4561.5	183400.5	2.5	B31.12-IP-19
44(OCC)		4586.4	183400.5	2.5		4890.9	183400.5	2.7	B31.12-IP-19
45(OCC)		4667.7	183400.5	2.5		4969.6	183400.5	2.7	B31.12-IP-19
46(OCC)		4049.1	183400.5	2.2		4264.8	183400.5	2.3	B31.12-IP-19
47(OCC)		4584.3	183400.5	2.5		5043.2	183400.5	2.7	B31.12-IP-19
48(OCC)		5446.9	183400.5	3.0		5807.4	183400.5	3.2	B31.12-IP-19
49(OCC)		6340.1	183400.5	3.5		7644.6	183400.5	4.2	B31.12-IP-19
50(OCC)		7488.5	183400.5	4.1		6300.4	183400.5	3.4	B31.12-IP-19
51(OCC)		4830.0	183400.5	2.6		5295.3	183400.5	2.9	B31.12-IP-19
52(OCC)		4212.6	183400.5	2.3		4688.8	183400.5	2.6	B31.12-IP-19
53(OCC)		5314.2	183400.5	2.9		5954.4	183400.5	3.2	B31.12-IP-19
54(OCC)		5901.4	183400.5	3.2		6839.0	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	4520	3143.5	137895.1	2.3	4530	4403.6	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		3116.9	137895.1	2.3		4377.5	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3474.9	137895.1	2.5		5350.3	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		3429.9	137895.1	2.5		5261.9	137895.1	3.8	B31.12-IP-19
14(SUS)		3519.7	137895.1	2.6		5366.5	137895.1	3.9	B31.12-IP-19
24(EXP)		14569.1	341218.1	4.3		35360.8	339371.4	10.4	B31.12-IP-19
25(EXP)		3163.1	341218.1	0.9		8462.7	339371.4	2.5	B31.12-IP-19
26(EXP)		2691.5	341218.1	0.8		6246.8	339371.4	1.8	B31.12-IP-19
27(EXP)		8555.5	341218.1	2.5		21369.7	339371.4	6.3	B31.12-IP-19
28(EXP)		11717.8	341218.1	3.4		29832.4	339371.4	8.8	B31.12-IP-19
42(OCC)		3787.3	183400.5	2.1		6721.8	183400.5	3.7	B31.12-IP-19
43(OCC)		3709.3	183400.5	2.0		6670.9	183400.5	3.6	B31.12-IP-19
44(OCC)		3834.3	183400.5	2.1		5765.4	183400.5	3.1	B31.12-IP-19
45(OCC)		3860.5	183400.5	2.1		5424.2	183400.5	3.0	B31.12-IP-19
46(OCC)		3541.4	183400.5	1.9		5426.7	183400.5	3.0	B31.12-IP-19
47(OCC)		3899.2	183400.5	2.1		6999.3	183400.5	3.8	B31.12-IP-19
48(OCC)		4231.4	183400.5	2.3		7642.1	183400.5	4.2	B31.12-IP-19
49(OCC)		5146.2	183400.5	2.8		7081.0	183400.5	3.9	B31.12-IP-19
50(OCC)		4645.0	183400.5	2.5		8156.2	183400.5	4.4	B31.12-IP-19
51(OCC)		4013.3	183400.5	2.2		7210.5	183400.5	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		3749.4	183400.5	2.0		6724.3	183400.5	3.7	B31.12-IP-19
53(OCC)		4384.1	183400.5	2.4		6631.2	183400.5	3.6	B31.12-IP-19
54(OCC)		4739.8	183400.5	2.6		6455.0	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	4530	4406.3	137895.1	3.2	4538	3146.1	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		4379.4	137895.1	3.2		3136.7	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		5364.0	137895.1	3.9		3174.0	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		5271.0	137895.1	3.8		3175.7	137895.1	2.3	B31.12-IP-19
14(SUS)		5390.7	137895.1	3.9		3161.7	137895.1	2.3	B31.12-IP-19
24(EXP)		35360.8	339347.2	10.4		6330.6	341562.2	1.9	B31.12-IP-19
25(EXP)		8462.7	339347.2	2.5		1164.1	341562.2	0.3	B31.12-IP-19
26(EXP)		6246.8	339347.2	1.8		819.4	341562.2	0.2	B31.12-IP-19
27(EXP)		21369.7	339347.2	6.3		2825.6	341562.2	0.8	B31.12-IP-19
28(EXP)		29832.4	339347.2	8.8		3975.9	341562.2	1.2	B31.12-IP-19
42(OCC)		6760.5	183400.5	3.7		3441.5	183400.5	1.9	B31.12-IP-19
43(OCC)		6706.8	183400.5	3.7		3345.4	183400.5	1.8	B31.12-IP-19
44(OCC)		5790.4	183400.5	3.2		3378.6	183400.5	1.8	B31.12-IP-19
45(OCC)		5444.0	183400.5	3.0		3350.7	183400.5	1.8	B31.12-IP-19
46(OCC)		5450.5	183400.5	3.0		3169.9	183400.5	1.7	B31.12-IP-19
47(OCC)		7019.0	183400.5	3.8		3308.0	183400.5	1.8	B31.12-IP-19
48(OCC)		7656.1	183400.5	4.2		3485.3	183400.5	1.9	B31.12-IP-19
49(OCC)		7054.9	183400.5	3.8		3589.5	183400.5	2.0	B31.12-IP-19
50(OCC)		8224.4	183400.5	4.5		4590.2	183400.5	2.5	B31.12-IP-19
51(OCC)		7240.0	183400.5	3.9		3496.7	183400.5	1.9	B31.12-IP-19
52(OCC)		6753.7	183400.5	3.7		3297.0	183400.5	1.8	B31.12-IP-19
53(OCC)		6701.8	183400.5	3.7		3625.8	183400.5	2.0	B31.12-IP-19
54(OCC)		6502.4	183400.5	3.5		3486.5	183400.5	1.9	B31.12-IP-19
2(Alt-SUS)	4538	3262.8	137895.1	2.4	4539	3141.0	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3242.0	137895.1	2.4		3098.6	137895.1	2.2	B31.12-IP-19
6(Alt-SUS)		3325.2	137895.1	2.4		3158.7	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		3331.1	137895.1	2.4		3160.9	137895.1	2.3	B31.12-IP-19
14(SUS)		3292.4	137895.1	2.4		3114.3	137895.1	2.3	B31.12-IP-19
24(EXP)		12026.0	341406.8	3.5		21403.1	341576.9	6.3	B31.12-IP-19
25(EXP)		1685.0	341406.8	0.5		3926.5	341576.9	1.1	B31.12-IP-19
26(EXP)		1042.0	341406.8	0.3		2916.6	341576.9	0.9	B31.12-IP-19
27(EXP)		3562.4	341406.8	1.0		9869.0	341576.9	2.9	B31.12-IP-19
28(EXP)		5159.1	341406.8	1.5		13766.0	341576.9	4.0	B31.12-IP-19
42(OCC)		3892.6	183400.5	2.1		3322.4	183400.5	1.8	B31.12-IP-19
43(OCC)		3658.0	183400.5	2.0		3234.0	183400.5	1.8	B31.12-IP-19
44(OCC)		3732.4	183400.5	2.0		3645.0	183400.5	2.0	B31.12-IP-19
45(OCC)		3657.6	183400.5	2.0		3489.6	183400.5	1.9	B31.12-IP-19
46(OCC)		3309.6	183400.5	1.8		3132.7	183400.5	1.7	B31.12-IP-19
47(OCC)		3541.7	183400.5	1.9		3375.6	183400.5	1.8	B31.12-IP-19
48(OCC)		3968.4	183400.5	2.2		3370.7	183400.5	1.8	B31.12-IP-19
49(OCC)		4122.8	183400.5	2.2		3878.8	183400.5	2.1	B31.12-IP-19
50(OCC)		6320.6	183400.5	3.4		5415.3	183400.5	3.0	B31.12-IP-19
51(OCC)		3995.9	183400.5	2.2		3346.2	183400.5	1.8	B31.12-IP-19
52(OCC)		3507.0	183400.5	1.9		3431.4	183400.5	1.9	B31.12-IP-19
53(OCC)		4246.6	183400.5	2.3		4100.2	183400.5	2.2	B31.12-IP-19
54(OCC)		4029.2	183400.5	2.2		3918.9	183400.5	2.1	B31.12-IP-19
2(Alt-SUS)	4539	3141.0	137895.1	2.3	4540	3493.3	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3098.6	137895.1	2.2		3419.7	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3158.7	137895.1	2.3		3256.2	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3160.9	137895.1	2.3		3273.9	137895.1	2.4	B31.12-IP-19
14(SUS)		3114.3	137895.1	2.3		3241.1	137895.1	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		21403.1	341576.9	6.3		22753.6	341244.6	6.7	B31.12-IP-19
25(EXP)		3926.5	341576.9	1.1		4838.4	341244.6	1.4	B31.12-IP-19
26(EXP)		2916.6	341576.9	0.9		3654.2	341244.6	1.1	B31.12-IP-19
27(EXP)		9869.0	341576.9	2.9		12380.8	341244.6	3.6	B31.12-IP-19
28(EXP)		13766.0	341576.9	4.0		17214.4	341244.6	5.0	B31.12-IP-19
42(OCC)		3322.4	183400.5	1.8		3520.0	183400.5	1.9	B31.12-IP-19
43(OCC)		3234.0	183400.5	1.8		3609.5	183400.5	2.0	B31.12-IP-19
44(OCC)		3645.0	183400.5	2.0		3914.5	183400.5	2.1	B31.12-IP-19
45(OCC)		3489.6	183400.5	1.9		3702.4	183400.5	2.0	B31.12-IP-19
46(OCC)		3132.7	183400.5	1.7		3254.5	183400.5	1.8	B31.12-IP-19
47(OCC)		3375.6	183400.5	1.8		3770.0	183400.5	2.1	B31.12-IP-19
48(OCC)		3370.7	183400.5	1.8		3664.4	183400.5	2.0	B31.12-IP-19
49(OCC)		3878.8	183400.5	2.1		4347.9	183400.5	2.4	B31.12-IP-19
50(OCC)		5415.3	183400.5	3.0		3704.4	183400.5	2.0	B31.12-IP-19
51(OCC)		3346.2	183400.5	1.8		3613.4	183400.5	2.0	B31.12-IP-19
52(OCC)		3431.4	183400.5	1.9		3836.3	183400.5	2.1	B31.12-IP-19
53(OCC)		4100.2	183400.5	2.2		4175.3	183400.5	2.3	B31.12-IP-19
54(OCC)		3918.9	183400.5	2.1		4004.4	183400.5	2.2	B31.12-IP-19
2(Alt-SUS)	4540	3266.0	137895.1	2.4	4550	4482.8	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		3227.8	137895.1	2.3		4450.9	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3138.3	137895.1	2.3		4138.7	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3147.3	137895.1	2.3		4167.6	137895.1	3.0	B31.12-IP-19
14(SUS)		3132.1	137895.1	2.3		4132.4	137895.1	3.0	B31.12-IP-19
24(EXP)		10525.6	341471.8	3.1		18652.7	340255.1	5.5	B31.12-IP-19
25(EXP)		2061.5	341471.8	0.6		3842.2	340255.1	1.1	B31.12-IP-19
26(EXP)		1498.7	341471.8	0.4		2631.0	340255.1	0.8	B31.12-IP-19
27(EXP)		5172.9	341471.8	1.5		9353.3	340255.1	2.7	B31.12-IP-19
28(EXP)		7232.6	341471.8	2.1		13189.6	340255.1	3.9	B31.12-IP-19
42(OCC)		3279.3	183400.5	1.8		4667.3	183400.5	2.5	B31.12-IP-19
43(OCC)		3329.8	183400.5	1.8		4511.6	183400.5	2.5	B31.12-IP-19
44(OCC)		3430.9	183400.5	1.9		4513.7	183400.5	2.5	B31.12-IP-19
45(OCC)		3378.2	183400.5	1.8		4406.1	183400.5	2.4	B31.12-IP-19
46(OCC)		3142.4	183400.5	1.7		4154.1	183400.5	2.3	B31.12-IP-19
47(OCC)		3437.1	183400.5	1.9		4958.8	183400.5	2.7	B31.12-IP-19
48(OCC)		3351.7	183400.5	1.8		4946.4	183400.5	2.7	B31.12-IP-19
49(OCC)		3647.4	183400.5	2.0		5120.3	183400.5	2.8	B31.12-IP-19
50(OCC)		3494.9	183400.5	1.9		6850.3	183400.5	3.7	B31.12-IP-19
51(OCC)		3320.4	183400.5	1.8		5003.3	183400.5	2.7	B31.12-IP-19
52(OCC)		3477.2	183400.5	1.9		5064.5	183400.5	2.8	B31.12-IP-19
53(OCC)		3534.7	183400.5	1.9		4548.2	183400.5	2.5	B31.12-IP-19
54(OCC)		3541.3	183400.5	1.9		4883.2	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	4550	4483.9	137895.1	3.3	4560	6753.6	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		4452.0	137895.1	3.2		6699.3	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		4139.7	137895.1	3.0		5974.9	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		4168.6	137895.1	3.0		6043.2	137895.1	4.4	B31.12-IP-19
14(SUS)		4133.3	137895.1	3.0		5958.9	137895.1	4.3	B31.12-IP-19
24(EXP)		18652.7	340253.9	5.5		56423.5	337984.3	16.7	B31.12-IP-19
25(EXP)		3842.2	340253.9	1.1		11589.8	337984.3	3.4	B31.12-IP-19
26(EXP)		2631.0	340253.9	0.8		7631.3	337984.3	2.3	B31.12-IP-19
27(EXP)		9353.3	340253.9	2.7		27654.3	337984.3	8.2	B31.12-IP-19
28(EXP)		13189.6	340253.9	3.9		39208.5	337984.3	11.6	B31.12-IP-19
42(OCC)		4668.3	183400.5	2.5		7465.7	183400.5	4.1	B31.12-IP-19
43(OCC)		4512.7	183400.5	2.5		6930.1	183400.5	3.8	B31.12-IP-19
44(OCC)		4514.6	183400.5	2.5		6719.5	183400.5	3.7	B31.12-IP-19
45(OCC)		4407.2	183400.5	2.4		6375.9	183400.5	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4155.1	183400.5	2.3		6011.2	183400.5	3.3	B31.12-IP-19
47(OCC)		4960.4	183400.5	2.7		7988.3	183400.5	4.4	B31.12-IP-19
48(OCC)		4947.1	183400.5	2.7		8196.4	183400.5	4.5	B31.12-IP-19
49(OCC)		5120.8	183400.5	2.8		8289.7	183400.5	4.5	B31.12-IP-19
50(OCC)		6851.5	183400.5	3.7		14177.7	183400.5	7.7	B31.12-IP-19
51(OCC)		5003.9	183400.5	2.7		8329.8	183400.5	4.5	B31.12-IP-19
52(OCC)		5066.2	183400.5	2.8		8222.6	183400.5	4.5	B31.12-IP-19
53(OCC)		4548.7	183400.5	2.5		7097.3	183400.5	3.9	B31.12-IP-19
54(OCC)		4884.7	183400.5	2.7		7828.9	183400.5	4.3	B31.12-IP-19
2(Alt-SUS)	4560	5048.4	137895.1	3.7	4570	4527.4	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5078.1	137895.1	3.7		4520.4	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4691.4	137895.1	3.4		4436.2	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4710.5	137895.1	3.4		4441.0	137895.1	3.2	B31.12-IP-19
14(SUS)		4718.2	137895.1	3.4		4443.2	137895.1	3.2	B31.12-IP-19
24(EXP)		32119.9	339659.8	9.5		6775.3	340210.4	2.0	B31.12-IP-19
25(EXP)		5913.9	339659.8	1.7		1433.3	340210.4	0.4	B31.12-IP-19
26(EXP)		3928.2	339659.8	1.2		1109.2	340210.4	0.3	B31.12-IP-19
27(EXP)		14388.0	339659.8	4.2		3697.7	340210.4	1.1	B31.12-IP-19
28(EXP)		20295.0	339659.8	6.0		5120.1	340210.4	1.5	B31.12-IP-19
42(OCC)		5437.1	183400.5	3.0		4696.3	183400.5	2.6	B31.12-IP-19
43(OCC)		5409.4	183400.5	2.9		4659.7	183400.5	2.5	B31.12-IP-19
44(OCC)		5280.1	183400.5	2.9		4873.9	183400.5	2.7	B31.12-IP-19
45(OCC)		5422.7	183400.5	3.0		4706.3	183400.5	2.6	B31.12-IP-19
46(OCC)		4742.5	183400.5	2.6		4450.3	183400.5	2.4	B31.12-IP-19
47(OCC)		5707.1	183400.5	3.1		4717.4	183400.5	2.6	B31.12-IP-19
48(OCC)		5536.0	183400.5	3.0		4957.6	183400.5	2.7	B31.12-IP-19
49(OCC)		5690.7	183400.5	3.1		5076.4	183400.5	2.8	B31.12-IP-19
50(OCC)		7174.9	183400.5	3.9		5653.7	183400.5	3.1	B31.12-IP-19
51(OCC)		5460.5	183400.5	3.0		4983.3	183400.5	2.7	B31.12-IP-19
52(OCC)		5804.5	183400.5	3.2		4699.5	183400.5	2.6	B31.12-IP-19
53(OCC)		5391.6	183400.5	2.9		5089.2	183400.5	2.8	B31.12-IP-19
54(OCC)		6032.7	183400.5	3.3		4957.3	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	4570	4527.4	137895.1	3.3	4578	4495.6	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4520.4	137895.1	3.3		4479.6	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4436.2	137895.1	3.2		4449.1	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4441.0	137895.1	3.2		4452.6	137895.1	3.2	B31.12-IP-19
14(SUS)		4443.2	137895.1	3.2		4450.6	137895.1	3.2	B31.12-IP-19
24(EXP)		6775.3	340210.4	2.0		11313.7	340242.3	3.3	B31.12-IP-19
25(EXP)		1433.3	340210.4	0.4		2542.4	340242.3	0.7	B31.12-IP-19
26(EXP)		1109.2	340210.4	0.3		1918.9	340242.3	0.6	B31.12-IP-19
27(EXP)		3697.7	340210.4	1.1		6498.5	340242.3	1.9	B31.12-IP-19
28(EXP)		5120.1	340210.4	1.5		9034.9	340242.3	2.7	B31.12-IP-19
42(OCC)		4696.3	183400.5	2.6		4632.0	183400.5	2.5	B31.12-IP-19
43(OCC)		4659.7	183400.5	2.5		4542.0	183400.5	2.5	B31.12-IP-19
44(OCC)		4873.9	183400.5	2.7		4873.3	183400.5	2.7	B31.12-IP-19
45(OCC)		4706.3	183400.5	2.6		4657.2	183400.5	2.5	B31.12-IP-19
46(OCC)		4450.3	183400.5	2.4		4456.0	183400.5	2.4	B31.12-IP-19
47(OCC)		4717.4	183400.5	2.6		5177.4	183400.5	2.8	B31.12-IP-19
48(OCC)		4957.6	183400.5	2.7		5367.3	183400.5	2.9	B31.12-IP-19
49(OCC)		5076.4	183400.5	2.8		5224.4	183400.5	2.8	B31.12-IP-19
50(OCC)		5653.7	183400.5	3.1		5797.1	183400.5	3.2	B31.12-IP-19
51(OCC)		4983.3	183400.5	2.7		5381.9	183400.5	2.9	B31.12-IP-19
52(OCC)		4699.5	183400.5	2.6		5168.5	183400.5	2.8	B31.12-IP-19
53(OCC)		5089.2	183400.5	2.8		5135.2	183400.5	2.8	B31.12-IP-19
54(OCC)		4957.3	183400.5	2.7		4837.0	183400.5	2.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	4578	4816.8	137895.1	3.5	4579	4910.9	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		4789.8	137895.1	3.5		4890.2	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		4724.5	137895.1	3.4		4852.2	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4732.8	137895.1	3.4		4848.9	137895.1	3.5	B31.12-IP-19
14(SUS)		4724.2	137895.1	3.4		4873.0	137895.1	3.5	B31.12-IP-19
24(EXP)		35371.0	339921.1	10.4		34432.9	339826.9	10.1	B31.12-IP-19
25(EXP)		8088.7	339921.1	2.4		8233.9	339826.9	2.4	B31.12-IP-19
26(EXP)		5948.8	339921.1	1.8		5652.0	339826.9	1.7	B31.12-IP-19
27(EXP)		20434.9	339921.1	6.0		20065.5	339826.9	5.9	B31.12-IP-19
28(EXP)		28521.6	339921.1	8.4		28292.3	339826.9	8.3	B31.12-IP-19
42(OCC)		4907.2	183400.5	2.7		5105.2	183400.5	2.8	B31.12-IP-19
43(OCC)		4821.6	183400.5	2.6		5094.8	183400.5	2.8	B31.12-IP-19
44(OCC)		5233.5	183400.5	2.9		5855.8	183400.5	3.2	B31.12-IP-19
45(OCC)		4938.0	183400.5	2.7		5427.3	183400.5	3.0	B31.12-IP-19
46(OCC)		4732.2	183400.5	2.6		4882.1	183400.5	2.7	B31.12-IP-19
47(OCC)		6253.3	183400.5	3.4		6716.3	183400.5	3.7	B31.12-IP-19
48(OCC)		6625.9	183400.5	3.6		6734.5	183400.5	3.7	B31.12-IP-19
49(OCC)		6055.2	183400.5	3.3		6848.0	183400.5	3.7	B31.12-IP-19
50(OCC)		6853.3	183400.5	3.7		6866.7	183400.5	3.7	B31.12-IP-19
51(OCC)		6663.7	183400.5	3.6		6740.0	183400.5	3.7	B31.12-IP-19
52(OCC)		6230.0	183400.5	3.4		6707.9	183400.5	3.7	B31.12-IP-19
53(OCC)		5666.0	183400.5	3.1		6548.8	183400.5	3.6	B31.12-IP-19
54(OCC)		5169.6	183400.5	2.8		5970.4	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	4579	4910.9	137895.1	3.6	4580	7320.2	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		4890.2	137895.1	3.5		7218.0	137895.1	5.2	B31.12-IP-19
6(Alt-SUS)		4852.2	137895.1	3.5		7141.9	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		4848.9	137895.1	3.5		7141.6	137895.1	5.2	B31.12-IP-19
14(SUS)		4873.0	137895.1	3.5		7185.5	137895.1	5.2	B31.12-IP-19
24(EXP)		34432.9	339826.9	10.1		20866.5	337417.7	6.2	B31.12-IP-19
25(EXP)		8233.9	339826.9	2.4		5586.8	337417.7	1.7	B31.12-IP-19
26(EXP)		5652.0	339826.9	1.7		3934.3	337417.7	1.2	B31.12-IP-19
27(EXP)		20065.5	339826.9	5.9		13790.9	337417.7	4.1	B31.12-IP-19
28(EXP)		28292.3	339826.9	8.3		19346.3	337417.7	5.7	B31.12-IP-19
42(OCC)		5105.2	183400.5	2.8		7515.8	183400.5	4.1	B31.12-IP-19
43(OCC)		5094.8	183400.5	2.8		7632.3	183400.5	4.2	B31.12-IP-19
44(OCC)		5855.8	183400.5	3.2		8337.7	183400.5	4.5	B31.12-IP-19
45(OCC)		5427.3	183400.5	3.0		7984.8	183400.5	4.4	B31.12-IP-19
46(OCC)		4882.1	183400.5	2.7		7205.2	183400.5	3.9	B31.12-IP-19
47(OCC)		6716.3	183400.5	3.7		9393.4	183400.5	5.1	B31.12-IP-19
48(OCC)		6734.5	183400.5	3.7		9256.3	183400.5	5.0	B31.12-IP-19
49(OCC)		6848.0	183400.5	3.7		9138.9	183400.5	5.0	B31.12-IP-19
50(OCC)		6866.7	183400.5	3.7		10833.5	183400.5	5.9	B31.12-IP-19
51(OCC)		6740.0	183400.5	3.7		9258.5	183400.5	5.0	B31.12-IP-19
52(OCC)		6707.9	183400.5	3.7		9404.0	183400.5	5.1	B31.12-IP-19
53(OCC)		6548.8	183400.5	3.6		9454.9	183400.5	5.2	B31.12-IP-19
54(OCC)		5970.4	183400.5	3.3		9745.9	183400.5	5.3	B31.12-IP-19
2(Alt-SUS)	4580	5242.1	137895.1	3.8	4590	5545.2	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5204.2	137895.1	3.8		5496.6	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		5179.0	137895.1	3.8		5470.5	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5179.0	137895.1	3.8		5471.6	137895.1	4.0	B31.12-IP-19
14(SUS)		5194.0	137895.1	3.8		5485.7	137895.1	4.0	B31.12-IP-19
24(EXP)		16549.9	339495.8	4.9		16850.1	339192.6	5.0	B31.12-IP-19
25(EXP)		3725.0	339495.8	1.1		3790.9	339192.6	1.1	B31.12-IP-19
26(EXP)		2687.8	339495.8	0.8		2716.0	339192.6	0.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		9334.7	339495.8	2.7		9469.4	339192.6	2.8	B31.12-IP-19
28(EXP)		13054.9	339495.8	3.8		13255.5	339192.6	3.9	B31.12-IP-19
42(OCC)		5447.9	183400.5	3.0		5768.5	183400.5	3.1	B31.12-IP-19
43(OCC)		5468.3	183400.5	3.0		5806.1	183400.5	3.2	B31.12-IP-19
44(OCC)		5731.1	183400.5	3.1		6040.4	183400.5	3.3	B31.12-IP-19
45(OCC)		5534.4	183400.5	3.0		5826.5	183400.5	3.2	B31.12-IP-19
46(OCC)		5202.1	183400.5	2.8		5494.6	183400.5	3.0	B31.12-IP-19
47(OCC)		6509.1	183400.5	3.5		6915.6	183400.5	3.8	B31.12-IP-19
48(OCC)		6579.7	183400.5	3.6		6957.0	183400.5	3.8	B31.12-IP-19
49(OCC)		6193.4	183400.5	3.4		6546.7	183400.5	3.6	B31.12-IP-19
50(OCC)		6833.3	183400.5	3.7		7211.3	183400.5	3.9	B31.12-IP-19
51(OCC)		6577.3	183400.5	3.6		6957.1	183400.5	3.8	B31.12-IP-19
52(OCC)		6510.6	183400.5	3.5		6921.3	183400.5	3.8	B31.12-IP-19
53(OCC)		6181.4	183400.5	3.4		6599.3	183400.5	3.6	B31.12-IP-19
54(OCC)		6183.1	183400.5	3.4		6616.3	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	4590	5545.2	137895.1	4.0	4600	7728.6	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		5496.6	137895.1	4.0		7731.9	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		5470.5	137895.1	4.0		7746.4	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		5471.6	137895.1	4.0		7747.2	137895.1	5.6	B31.12-IP-19
14(SUS)		5484.5	137895.1	4.0		7729.5	137895.1	5.6	B31.12-IP-19
24(EXP)		16850.1	339192.6	5.0		16985.3	336990.6	5.0	B31.12-IP-19
25(EXP)		3790.9	339192.6	1.1		3808.4	336990.6	1.1	B31.12-IP-19
26(EXP)		2716.0	339192.6	0.8		2714.4	336990.6	0.8	B31.12-IP-19
27(EXP)		9469.4	339192.6	2.8		9486.9	336990.6	2.8	B31.12-IP-19
28(EXP)		13255.5	339192.6	3.9		13291.5	336990.6	3.9	B31.12-IP-19
42(OCC)		5780.1	183400.5	3.2		7975.8	183400.5	4.3	B31.12-IP-19
43(OCC)		5827.2	183400.5	3.2		7976.7	183400.5	4.3	B31.12-IP-19
44(OCC)		6033.8	183400.5	3.3		8234.7	183400.5	4.5	B31.12-IP-19
45(OCC)		5822.2	183400.5	3.2		8047.9	183400.5	4.4	B31.12-IP-19
46(OCC)		5493.3	183400.5	3.0		7736.5	183400.5	4.2	B31.12-IP-19
47(OCC)		6967.6	183400.5	3.8		11517.0	183400.5	6.3	B31.12-IP-19
48(OCC)		6959.8	183400.5	3.8		11467.4	183400.5	6.3	B31.12-IP-19
49(OCC)		6753.6	183400.5	3.7		10247.0	183400.5	5.6	B31.12-IP-19
50(OCC)		7447.4	183400.5	4.1		9901.4	183400.5	5.4	B31.12-IP-19
51(OCC)		7347.3	183400.5	4.0		12160.4	183400.5	6.6	B31.12-IP-19
52(OCC)		7314.9	183400.5	4.0		11877.9	183400.5	6.5	B31.12-IP-19
53(OCC)		6768.9	183400.5	3.7		10069.8	183400.5	5.5	B31.12-IP-19
54(OCC)		6857.5	183400.5	3.7		9527.6	183400.5	5.2	B31.12-IP-19
2(Alt-SUS)	4600	0.0	0.0	0.0	4610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4610	0.0	0.0	0.0	4620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4620	0.0	0.0	0.0	4630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4630	58948.6	137895.1	42.7	4640	72776.5	137895.1	52.8	B31.12-IP-19
4(Alt-SUS)		58665.3	137895.1	42.5		71911.1	137895.1	52.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		58559.9	137895.1	42.5		71575.2	137895.1	51.9	B31.12-IP-19
8(Alt-SUS)		58570.0	137895.1	42.5		71605.3	137895.1	51.9	B31.12-IP-19
14(SUS)		58553.0	137895.1	42.5		71565.8	137895.1	51.9	B31.12-IP-19
24(EXP)		19120.4	285789.2	6.7		37939.6	271961.4	14.0	B31.12-IP-19
25(EXP)		4456.0	285789.2	1.6		9723.1	271961.4	3.6	B31.12-IP-19
26(EXP)		3202.6	285789.2	1.1		6936.2	271961.4	2.6	B31.12-IP-19
27(EXP)		11148.9	285789.2	3.9		24232.0	271961.4	8.9	B31.12-IP-19
28(EXP)		15604.7	285789.2	5.5		33955.0	271961.4	12.5	B31.12-IP-19
42(OCC)		58947.6	183400.5	32.1		72164.3	183400.5	39.3	B31.12-IP-19
43(OCC)		58918.4	183400.5	32.1		72130.5	183400.5	39.3	B31.12-IP-19
44(OCC)		58813.3	183400.5	32.1		71996.9	183400.5	39.3	B31.12-IP-19
45(OCC)		58749.1	183400.5	32.0		71969.1	183400.5	39.2	B31.12-IP-19
46(OCC)		58568.1	183400.5	31.9		71611.8	183400.5	39.0	B31.12-IP-19
47(OCC)		69747.4	183400.5	38.0		92850.9	183400.5	50.6	B31.12-IP-19
48(OCC)		68042.1	183400.5	37.1		87675.9	183400.5	47.8	B31.12-IP-19
49(OCC)		65090.4	183400.5	35.5		81748.7	183400.5	44.6	B31.12-IP-19
50(OCC)		67179.0	183400.5	36.6		89412.3	183400.5	48.8	B31.12-IP-19
51(OCC)		69668.3	183400.5	38.0		90786.0	183400.5	49.5	B31.12-IP-19
52(OCC)		69729.3	183400.5	38.0		92327.2	183400.5	50.3	B31.12-IP-19
53(OCC)		67452.2	183400.5	36.8		90035.6	183400.5	49.1	B31.12-IP-19
54(OCC)		65100.4	183400.5	35.5		82027.1	183400.5	44.7	B31.12-IP-19
2(Alt-SUS)	4560	5119.5	137895.1	3.7	4648	4555.9	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		5070.8	137895.1	3.7		4519.5	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		5066.8	137895.1	3.7		4539.3	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		5076.3	137895.1	3.7		4542.2	137895.1	3.3	B31.12-IP-19
14(SUS)		5060.3	137895.1	3.7		4537.6	137895.1	3.3	B31.12-IP-19
24(EXP)		16735.1	339618.3	4.9		8569.1	340181.9	2.5	B31.12-IP-19
25(EXP)		2564.2	339618.3	0.8		1470.0	340181.9	0.4	B31.12-IP-19
26(EXP)		1488.8	339618.3	0.4		1061.3	340181.9	0.3	B31.12-IP-19
27(EXP)		5977.8	339618.3	1.8		3782.3	340181.9	1.1	B31.12-IP-19
28(EXP)		8538.5	339618.3	2.5		5251.7	340181.9	1.5	B31.12-IP-19
42(OCC)		5789.1	183400.5	3.2		4773.5	183400.5	2.6	B31.12-IP-19
43(OCC)		5743.8	183400.5	3.1		4759.7	183400.5	2.6	B31.12-IP-19
44(OCC)		5613.3	183400.5	3.1		5074.1	183400.5	2.8	B31.12-IP-19
45(OCC)		5625.5	183400.5	3.1		4837.4	183400.5	2.6	B31.12-IP-19
46(OCC)		5068.3	183400.5	2.8		4540.3	183400.5	2.5	B31.12-IP-19
47(OCC)		5337.4	183400.5	2.9		4648.9	183400.5	2.5	B31.12-IP-19
48(OCC)		6178.8	183400.5	3.4		4994.0	183400.5	2.7	B31.12-IP-19
49(OCC)		5998.8	183400.5	3.3		5421.1	183400.5	3.0	B31.12-IP-19
50(OCC)		6901.7	183400.5	3.8		5280.8	183400.5	2.9	B31.12-IP-19
51(OCC)		6209.6	183400.5	3.4		5005.6	183400.5	2.7	B31.12-IP-19
52(OCC)		5335.9	183400.5	2.9		4655.1	183400.5	2.5	B31.12-IP-19
53(OCC)		5973.4	183400.5	3.3		5218.8	183400.5	2.8	B31.12-IP-19
54(OCC)		6100.3	183400.5	3.3		4962.4	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	4648	5286.3	137895.1	3.8	4649	4847.5	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		5199.8	137895.1	3.8		4772.4	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		5241.5	137895.1	3.8		4828.5	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		5249.5	137895.1	3.8		4831.5	137895.1	3.5	B31.12-IP-19
14(SUS)		5235.6	137895.1	3.8		4827.7	137895.1	3.5	B31.12-IP-19
24(EXP)		20356.5	339451.6	6.0		32226.9	339890.3	9.5	B31.12-IP-19
25(EXP)		3684.5	339451.6	1.1		6948.2	339890.3	2.0	B31.12-IP-19
26(EXP)		2538.7	339451.6	0.7		5007.8	339890.3	1.5	B31.12-IP-19
27(EXP)		9274.5	339451.6	2.7		17557.2	339890.3	5.2	B31.12-IP-19
28(EXP)		12957.7	339451.6	3.8		24505.2	339890.3	7.2	B31.12-IP-19
42(OCC)		5838.7	183400.5	3.2		5071.6	183400.5	2.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		5814.9	183400.5	3.2		5072.1	183400.5	2.8	B31.12-IP-19
44(OCC)		5880.6	183400.5	3.2		5586.6	183400.5	3.0	B31.12-IP-19
45(OCC)		5642.5	183400.5	3.1		5278.1	183400.5	2.9	B31.12-IP-19
46(OCC)		5241.4	183400.5	2.9		4830.1	183400.5	2.6	B31.12-IP-19
47(OCC)		5413.0	183400.5	3.0		4976.1	183400.5	2.7	B31.12-IP-19
48(OCC)		6400.5	183400.5	3.5		5534.9	183400.5	3.0	B31.12-IP-19
49(OCC)		6329.7	183400.5	3.5		5923.7	183400.5	3.2	B31.12-IP-19
50(OCC)		6681.8	183400.5	3.6		5722.0	183400.5	3.1	B31.12-IP-19
51(OCC)		6436.2	183400.5	3.5		5557.4	183400.5	3.0	B31.12-IP-19
52(OCC)		5421.8	183400.5	3.0		4961.7	183400.5	2.7	B31.12-IP-19
53(OCC)		6355.1	183400.5	3.5		5935.1	183400.5	3.2	B31.12-IP-19
54(OCC)		6049.2	183400.5	3.3		5416.3	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	4649	4847.5	137895.1	3.5	4650	4147.7	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4772.4	137895.1	3.5		4174.1	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4828.5	137895.1	3.5		4139.5	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4831.5	137895.1	3.5		4141.0	137895.1	3.0	B31.12-IP-19
14(SUS)		4827.7	137895.1	3.5		4136.9	137895.1	3.0	B31.12-IP-19
24(EXP)		32226.9	339890.3	9.5		42144.9	340563.7	12.4	B31.12-IP-19
25(EXP)		6948.2	339890.3	2.0		8681.4	340563.7	2.5	B31.12-IP-19
26(EXP)		5007.8	339890.3	1.5		6121.3	340563.7	1.8	B31.12-IP-19
27(EXP)		17557.2	339890.3	5.2		21593.8	340563.7	6.3	B31.12-IP-19
28(EXP)		24505.2	339890.3	7.2		30275.0	340563.7	8.9	B31.12-IP-19
42(OCC)		5071.6	183400.5	2.8		4483.4	183400.5	2.4	B31.12-IP-19
43(OCC)		5072.1	183400.5	2.8		4427.2	183400.5	2.4	B31.12-IP-19
44(OCC)		5586.6	183400.5	3.0		4891.2	183400.5	2.7	B31.12-IP-19
45(OCC)		5278.1	183400.5	2.9		4358.0	183400.5	2.4	B31.12-IP-19
46(OCC)		4830.1	183400.5	2.6		4141.7	183400.5	2.3	B31.12-IP-19
47(OCC)		4976.1	183400.5	2.7		4472.2	183400.5	2.4	B31.12-IP-19
48(OCC)		5534.9	183400.5	3.0		4564.3	183400.5	2.5	B31.12-IP-19
49(OCC)		5923.7	183400.5	3.2		5566.1	183400.5	3.0	B31.12-IP-19
50(OCC)		5722.0	183400.5	3.1		5311.9	183400.5	2.9	B31.12-IP-19
51(OCC)		5557.4	183400.5	3.0		4584.4	183400.5	2.5	B31.12-IP-19
52(OCC)		4961.7	183400.5	2.7		4458.5	183400.5	2.4	B31.12-IP-19
53(OCC)		5935.1	183400.5	3.2		4924.7	183400.5	2.7	B31.12-IP-19
54(OCC)		5416.3	183400.5	3.0		4203.4	183400.5	2.3	B31.12-IP-19
2(Alt-SUS)	4650	4090.8	137895.1	3.0	4658	4196.6	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4100.3	137895.1	3.0		4156.1	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4088.7	137895.1	3.0		4198.8	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4089.0	137895.1	3.0		4197.7	137895.1	3.0	B31.12-IP-19
14(SUS)		4088.1	137895.1	3.0		4202.0	137895.1	3.0	B31.12-IP-19
24(EXP)		12515.8	340637.6	3.7		12428.4	340535.8	3.6	B31.12-IP-19
25(EXP)		2474.9	340637.6	0.7		2470.2	340535.8	0.7	B31.12-IP-19
26(EXP)		1743.4	340637.6	0.5		1687.4	340535.8	0.5	B31.12-IP-19
27(EXP)		6167.8	340637.6	1.8		6031.6	340535.8	1.8	B31.12-IP-19
28(EXP)		8642.6	340637.6	2.5		8501.6	340535.8	2.5	B31.12-IP-19
42(OCC)		4264.2	183400.5	2.3		4416.5	183400.5	2.4	B31.12-IP-19
43(OCC)		4238.0	183400.5	2.3		4376.2	183400.5	2.4	B31.12-IP-19
44(OCC)		4507.6	183400.5	2.5		4508.8	183400.5	2.5	B31.12-IP-19
45(OCC)		4185.7	183400.5	2.3		4272.5	183400.5	2.3	B31.12-IP-19
46(OCC)		4090.5	183400.5	2.2		4205.0	183400.5	2.3	B31.12-IP-19
47(OCC)		4244.6	183400.5	2.3		4437.4	183400.5	2.4	B31.12-IP-19
48(OCC)		4289.8	183400.5	2.3		4448.3	183400.5	2.4	B31.12-IP-19
49(OCC)		4942.9	183400.5	2.7		4917.6	183400.5	2.7	B31.12-IP-19
50(OCC)		4772.4	183400.5	2.6		4884.6	183400.5	2.7	B31.12-IP-19
51(OCC)		4295.4	183400.5	2.3		4455.4	183400.5	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		4240.3	183400.5	2.3		4429.4	183400.5	2.4	B31.12-IP-19
53(OCC)		4533.5	183400.5	2.5		4532.0	183400.5	2.5	B31.12-IP-19
54(OCC)		4120.4	183400.5	2.2		4408.9	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	4658	4379.7	137895.1	3.2	4659	4542.5	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4292.1	137895.1	3.1		4356.1	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4381.0	137895.1	3.2		4559.6	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		4379.1	137895.1	3.2		4561.8	137895.1	3.3	B31.12-IP-19
14(SUS)		4388.1	137895.1	3.2		4552.8	137895.1	3.3	B31.12-IP-19
24(EXP)		39560.6	340349.7	11.6		25474.0	340176.0	7.5	B31.12-IP-19
25(EXP)		8157.6	340349.7	2.4		5889.1	340176.0	1.7	B31.12-IP-19
26(EXP)		5548.9	340349.7	1.6		3704.1	340176.0	1.1	B31.12-IP-19
27(EXP)		19900.6	340349.7	5.8		13741.2	340176.0	4.0	B31.12-IP-19
28(EXP)		28058.1	340349.7	8.2		19629.6	340176.0	5.8	B31.12-IP-19
42(OCC)		4902.6	183400.5	2.7		4981.3	183400.5	2.7	B31.12-IP-19
43(OCC)		4795.3	183400.5	2.6		4824.6	183400.5	2.6	B31.12-IP-19
44(OCC)		4739.8	183400.5	2.6		5297.6	183400.5	2.9	B31.12-IP-19
45(OCC)		4574.3	183400.5	2.5		5316.2	183400.5	2.9	B31.12-IP-19
46(OCC)		4395.5	183400.5	2.4		4561.5	183400.5	2.5	B31.12-IP-19
47(OCC)		4918.7	183400.5	2.7		5034.2	183400.5	2.7	B31.12-IP-19
48(OCC)		4978.5	183400.5	2.7		5102.8	183400.5	2.8	B31.12-IP-19
49(OCC)		5315.5	183400.5	2.9		5976.1	183400.5	3.3	B31.12-IP-19
50(OCC)		5731.3	183400.5	3.1		5967.5	183400.5	3.3	B31.12-IP-19
51(OCC)		5003.1	183400.5	2.7		5130.3	183400.5	2.8	B31.12-IP-19
52(OCC)		4895.5	183400.5	2.7		5033.0	183400.5	2.7	B31.12-IP-19
53(OCC)		4725.8	183400.5	2.6		5549.5	183400.5	3.0	B31.12-IP-19
54(OCC)		4938.9	183400.5	2.7		5830.3	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	4659	4542.5	137895.1	3.3	4660	4300.5	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4356.1	137895.1	3.2		4156.9	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4559.6	137895.1	3.3		4329.6	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4561.8	137895.1	3.3		4340.1	137895.1	3.1	B31.12-IP-19
14(SUS)		4552.8	137895.1	3.3		4300.5	137895.1	3.1	B31.12-IP-19
24(EXP)		25474.0	340176.0	7.5		16232.7	340397.8	4.8	B31.12-IP-19
25(EXP)		5889.1	340176.0	1.7		2544.9	340397.8	0.7	B31.12-IP-19
26(EXP)		3704.1	340176.0	1.1		1623.4	340397.8	0.5	B31.12-IP-19
27(EXP)		13741.2	340176.0	4.0		6126.3	340397.8	1.8	B31.12-IP-19
28(EXP)		19629.6	340176.0	5.8		8638.7	340397.8	2.5	B31.12-IP-19
42(OCC)		4981.3	183400.5	2.7		4421.8	183400.5	2.4	B31.12-IP-19
43(OCC)		4824.6	183400.5	2.6		4583.8	183400.5	2.5	B31.12-IP-19
44(OCC)		5297.6	183400.5	2.9		5179.1	183400.5	2.8	B31.12-IP-19
45(OCC)		5316.2	183400.5	2.9		5326.3	183400.5	2.9	B31.12-IP-19
46(OCC)		4561.5	183400.5	2.5		4308.7	183400.5	2.3	B31.12-IP-19
47(OCC)		5034.2	183400.5	2.7		4763.7	183400.5	2.6	B31.12-IP-19
48(OCC)		5102.8	183400.5	2.8		4449.3	183400.5	2.4	B31.12-IP-19
49(OCC)		5976.1	183400.5	3.3		5679.7	183400.5	3.1	B31.12-IP-19
50(OCC)		5967.5	183400.5	3.3		6142.7	183400.5	3.3	B31.12-IP-19
51(OCC)		5130.3	183400.5	2.8		4458.5	183400.5	2.4	B31.12-IP-19
52(OCC)		5033.0	183400.5	2.7		4795.0	183400.5	2.6	B31.12-IP-19
53(OCC)		5549.5	183400.5	3.0		5547.0	183400.5	3.0	B31.12-IP-19
54(OCC)		5830.3	183400.5	3.2		5856.9	183400.5	3.2	B31.12-IP-19
2(Alt-SUS)	4660	4171.3	137895.1	3.0	1080	4175.0	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4103.3	137895.1	3.0		4259.4	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		4183.2	137895.1	3.0		4170.9	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4187.2	137895.1	3.0		4182.3	137895.1	3.0	B31.12-IP-19
14(SUS)		4171.7	137895.1	3.0		4139.8	137895.1	3.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		9976.8	340550.7	2.9		14586.3	340478.4	4.3	B31.12-IP-19
25(EXP)		1852.0	340550.7	0.5		2927.0	340478.4	0.9	B31.12-IP-19
26(EXP)		1235.2	340550.7	0.4		2262.7	340478.4	0.7	B31.12-IP-19
27(EXP)		4391.7	340550.7	1.3		7580.7	340478.4	2.2	B31.12-IP-19
28(EXP)		6239.7	340550.7	1.8		10501.4	340478.4	3.1	B31.12-IP-19
42(OCC)		4230.2	183400.5	2.3		4802.0	183400.5	2.6	B31.12-IP-19
43(OCC)		4278.9	183400.5	2.3		4876.1	183400.5	2.7	B31.12-IP-19
44(OCC)		4556.6	183400.5	2.5		4311.2	183400.5	2.4	B31.12-IP-19
45(OCC)		4578.1	183400.5	2.5		4542.0	183400.5	2.5	B31.12-IP-19
46(OCC)		4174.9	183400.5	2.3		4141.6	183400.5	2.3	B31.12-IP-19
47(OCC)		4432.0	183400.5	2.4		5049.5	183400.5	2.8	B31.12-IP-19
48(OCC)		4285.7	183400.5	2.3		4948.0	183400.5	2.7	B31.12-IP-19
49(OCC)		4826.1	183400.5	2.6		4617.4	183400.5	2.5	B31.12-IP-19
50(OCC)		4928.3	183400.5	2.7		5267.4	183400.5	2.9	B31.12-IP-19
51(OCC)		4286.7	183400.5	2.3		4963.9	183400.5	2.7	B31.12-IP-19
52(OCC)		4437.9	183400.5	2.4		5047.7	183400.5	2.8	B31.12-IP-19
53(OCC)		4714.4	183400.5	2.6		4519.6	183400.5	2.5	B31.12-IP-19
54(OCC)		4798.4	183400.5	2.6		4729.0	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	4640	71371.6	137895.1	51.8	4690	52413.3	137895.1	38.0	B31.12-IP-19
4(Alt-SUS)		70536.7	137895.1	51.2		52041.3	137895.1	37.7	B31.12-IP-19
6(Alt-SUS)		70212.7	137895.1	50.9		51898.7	137895.1	37.6	B31.12-IP-19
8(Alt-SUS)		70241.1	137895.1	50.9		51911.8	137895.1	37.6	B31.12-IP-19
14(SUS)		70206.3	137895.1	50.9		51894.4	137895.1	37.6	B31.12-IP-19
24(EXP)		45098.4	273366.2	16.5		11386.2	292324.6	3.9	B31.12-IP-19
25(EXP)		11848.1	273366.2	4.3		2985.8	292324.6	1.0	B31.12-IP-19
26(EXP)		8365.9	273366.2	3.1		2111.8	292324.6	0.7	B31.12-IP-19
27(EXP)		29494.2	273366.2	10.8		7440.3	292324.6	2.5	B31.12-IP-19
28(EXP)		41342.3	273366.2	15.1		10426.1	292324.6	3.6	B31.12-IP-19
42(OCC)		70801.1	183400.5	38.6		52126.1	183400.5	28.4	B31.12-IP-19
43(OCC)		70770.4	183400.5	38.6		52118.4	183400.5	28.4	B31.12-IP-19
44(OCC)		70396.5	183400.5	38.4		51990.5	183400.5	28.3	B31.12-IP-19
45(OCC)		70311.1	183400.5	38.3		51971.9	183400.5	28.3	B31.12-IP-19
46(OCC)		70251.1	183400.5	38.3		51915.0	183400.5	28.3	B31.12-IP-19
47(OCC)		91353.7	183400.5	49.8		57712.0	183400.5	31.5	B31.12-IP-19
48(OCC)		86320.1	183400.5	47.1		56536.9	183400.5	30.8	B31.12-IP-19
49(OCC)		85344.3	183400.5	46.5		56981.8	183400.5	31.1	B31.12-IP-19
50(OCC)		81740.0	183400.5	44.6		55601.0	183400.5	30.3	B31.12-IP-19
51(OCC)		86939.0	183400.5	47.4		57065.9	183400.5	31.1	B31.12-IP-19
52(OCC)		91976.0	183400.5	50.2		58243.2	183400.5	31.8	B31.12-IP-19
53(OCC)		82369.5	183400.5	44.9		55792.9	183400.5	30.4	B31.12-IP-19
54(OCC)		85580.3	183400.5	46.7		57133.4	183400.5	31.2	B31.12-IP-19
2(Alt-SUS)	4690	52413.3	137895.1	38.0	4700	40879.2	137895.1	29.6	B31.12-IP-19
4(Alt-SUS)		52041.3	137895.1	37.7		39827.8	137895.1	28.9	B31.12-IP-19
6(Alt-SUS)		51898.7	137895.1	37.6		39416.6	137895.1	28.6	B31.12-IP-19
8(Alt-SUS)		51911.8	137895.1	37.6		39454.1	137895.1	28.6	B31.12-IP-19
14(SUS)		51894.4	137895.1	37.6		39408.2	137895.1	28.6	B31.12-IP-19
24(EXP)		11386.2	292324.6	3.9		19030.1	303858.6	6.3	B31.12-IP-19
25(EXP)		2985.8	292324.6	1.0		4951.7	303858.6	1.6	B31.12-IP-19
26(EXP)		2111.8	292324.6	0.7		3509.4	303858.6	1.2	B31.12-IP-19
27(EXP)		7440.3	292324.6	2.5		12363.5	303858.6	4.1	B31.12-IP-19
28(EXP)		10426.1	292324.6	3.6		17315.1	303858.6	5.7	B31.12-IP-19
42(OCC)		52126.1	183400.5	28.4		39766.6	183400.5	21.7	B31.12-IP-19
43(OCC)		52118.4	183400.5	28.4		39758.8	183400.5	21.7	B31.12-IP-19
44(OCC)		51990.5	183400.5	28.3		39593.7	183400.5	21.6	B31.12-IP-19
45(OCC)		51971.9	183400.5	28.3		39567.4	183400.5	21.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		51915.0	183400.5	28.3		39466.1	183400.5	21.5	B31.12-IP-19
47(OCC)		57712.0	183400.5	31.5		46760.3	183400.5	25.5	B31.12-IP-19
48(OCC)		56536.9	183400.5	30.8		45052.9	183400.5	24.6	B31.12-IP-19
49(OCC)		56981.8	183400.5	31.1		45729.7	183400.5	24.9	B31.12-IP-19
50(OCC)		55601.0	183400.5	30.3		43579.9	183400.5	23.8	B31.12-IP-19
51(OCC)		57065.9	183400.5	31.1		45684.3	183400.5	24.9	B31.12-IP-19
52(OCC)		58243.2	183400.5	31.8		47513.7	183400.5	25.9	B31.12-IP-19
53(OCC)		55792.9	183400.5	30.4		43888.9	183400.5	23.9	B31.12-IP-19
54(OCC)		57133.4	183400.5	31.2		46089.9	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	4700	0.0	0.0	0.0	4710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4640	31700.5	137895.1	23.0	5120	26782.5	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		32258.7	137895.1	23.4		26594.1	137895.1	19.3	B31.12-IP-19
6(Alt-SUS)		32478.0	137895.1	23.6		26518.4	137895.1	19.2	B31.12-IP-19
8(Alt-SUS)		32440.5	137895.1	23.5		26531.9	137895.1	19.2	B31.12-IP-19
14(SUS)		32555.0	137895.1	23.6		26489.1	137895.1	19.2	B31.12-IP-19
24(EXP)		143437.5	312182.8	45.9		40158.4	317955.3	12.6	B31.12-IP-19
25(EXP)		30303.8	312182.8	9.7		8663.0	317955.3	2.7	B31.12-IP-19
26(EXP)		22246.2	312182.8	7.1		6329.2	317955.3	2.0	B31.12-IP-19
27(EXP)		76769.4	312182.8	24.6		21919.4	317955.3	6.9	B31.12-IP-19
28(EXP)		107072.8	312182.8	34.3		30582.2	317955.3	9.6	B31.12-IP-19
42(OCC)		33864.9	183400.5	18.5		27078.3	183400.5	14.8	B31.12-IP-19
43(OCC)		33716.8	183400.5	18.4		27025.1	183400.5	14.7	B31.12-IP-19
44(OCC)		33861.0	183400.5	18.5		27169.6	183400.5	14.8	B31.12-IP-19
45(OCC)		33237.8	183400.5	18.1		27095.7	183400.5	14.8	B31.12-IP-19
46(OCC)		32575.1	183400.5	17.8		26496.4	183400.5	14.4	B31.12-IP-19
47(OCC)		43236.0	183400.5	23.6		28419.1	183400.5	15.5	B31.12-IP-19
48(OCC)		38469.6	183400.5	21.0		29701.3	183400.5	16.2	B31.12-IP-19
49(OCC)		46084.0	183400.5	25.1		35157.0	183400.5	19.2	B31.12-IP-19
50(OCC)		45948.7	183400.5	25.1		36854.1	183400.5	20.1	B31.12-IP-19
51(OCC)		41153.4	183400.5	22.4		31038.4	183400.5	16.9	B31.12-IP-19
52(OCC)		43217.4	183400.5	23.6		28054.8	183400.5	15.3	B31.12-IP-19
53(OCC)		45065.9	183400.5	24.6		36714.8	183400.5	20.0	B31.12-IP-19
54(OCC)		48234.6	183400.5	26.3		35572.4	183400.5	19.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	5120	26782.5	137895.1	19.4	5130	25638.2	137895.1	18.6	B31.12-IP-19
4(Alt-SUS)		26594.1	137895.1	19.3		25247.2	137895.1	18.3	B31.12-IP-19
6(Alt-SUS)		26518.4	137895.1	19.2		25091.1	137895.1	18.2	B31.12-IP-19
8(Alt-SUS)		26531.9	137895.1	19.2		25119.1	137895.1	18.2	B31.12-IP-19
14(SUS)		26489.1	137895.1	19.2		25029.6	137895.1	18.2	B31.12-IP-19
24(EXP)		40158.4	317955.3	12.6		86436.7	319099.6	27.1	B31.12-IP-19
25(EXP)		8663.0	317955.3	2.7		18907.9	319099.6	5.9	B31.12-IP-19
26(EXP)		6329.2	317955.3	2.0		13790.8	319099.6	4.3	B31.12-IP-19
27(EXP)		21919.4	317955.3	6.9		47820.1	319099.6	15.0	B31.12-IP-19
28(EXP)		30582.2	317955.3	9.6		66727.7	319099.6	20.9	B31.12-IP-19
42(OCC)		27078.3	183400.5	14.8		26522.5	183400.5	14.5	B31.12-IP-19
43(OCC)		27025.1	183400.5	14.7		26410.0	183400.5	14.4	B31.12-IP-19
44(OCC)		27169.6	183400.5	14.8		26630.2	183400.5	14.5	B31.12-IP-19
45(OCC)		27095.7	183400.5	14.8		26546.5	183400.5	14.5	B31.12-IP-19
46(OCC)		26496.4	183400.5	14.4		25044.0	183400.5	13.7	B31.12-IP-19
47(OCC)		28419.1	183400.5	15.5		32316.7	183400.5	17.6	B31.12-IP-19
48(OCC)		29701.3	183400.5	16.2		32271.1	183400.5	17.6	B31.12-IP-19
49(OCC)		35157.0	183400.5	19.2		45764.0	183400.5	25.0	B31.12-IP-19
50(OCC)		36854.1	183400.5	20.1		50499.8	183400.5	27.5	B31.12-IP-19
51(OCC)		31038.4	183400.5	16.9		35289.4	183400.5	19.2	B31.12-IP-19
52(OCC)		28054.8	183400.5	15.3		31527.8	183400.5	17.2	B31.12-IP-19
53(OCC)		36714.8	183400.5	20.0		50505.6	183400.5	27.5	B31.12-IP-19
54(OCC)		35572.4	183400.5	19.4		46016.2	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	5130	0.0	0.0	0.0	4420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	4230	0.0	0.0	0.0	5190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	5190	43690.3	137895.1	31.7	5200	45838.6	137895.1	33.2	B31.12-IP-19
4(Alt-SUS)		44036.5	137895.1	31.9		47152.8	137895.1	34.2	B31.12-IP-19
6(Alt-SUS)		44186.0	137895.1	32.0		47690.7	137895.1	34.6	B31.12-IP-19
8(Alt-SUS)		44173.5	137895.1	32.0		47643.5	137895.1	34.6	B31.12-IP-19
14(SUS)		44181.1	137895.1	32.0		47689.8	137895.1	34.6	B31.12-IP-19
24(EXP)		17503.6	300551.8	5.8		15613.0	297047.2	5.3	B31.12-IP-19
25(EXP)		4500.0	300551.8	1.5		4231.0	297047.2	1.4	B31.12-IP-19
26(EXP)		3194.7	300551.8	1.1		3003.1	297047.2	1.0	B31.12-IP-19
27(EXP)		11220.7	300551.8	3.7		10587.8	297047.2	3.6	B31.12-IP-19
28(EXP)		15720.7	300551.8	5.2		14818.8	297047.2	5.0	B31.12-IP-19
42(OCC)		44557.3	183400.5	24.3		48120.6	183400.5	26.2	B31.12-IP-19
43(OCC)		44542.5	183400.5	24.3		48107.7	183400.5	26.2	B31.12-IP-19
44(OCC)		44372.3	183400.5	24.2		47901.2	183400.5	26.1	B31.12-IP-19
45(OCC)		44310.7	183400.5	24.2		47873.4	183400.5	26.1	B31.12-IP-19
46(OCC)		44204.0	183400.5	24.1		47764.2	183400.5	26.0	B31.12-IP-19
47(OCC)		54861.4	183400.5	29.9		60975.9	183400.5	33.2	B31.12-IP-19
48(OCC)		52919.5	183400.5	28.9		59103.0	183400.5	32.2	B31.12-IP-19
49(OCC)		54010.7	183400.5	29.4		58661.9	183400.5	32.0	B31.12-IP-19
50(OCC)		50304.8	183400.5	27.4		56511.4	183400.5	30.8	B31.12-IP-19
51(OCC)		54628.7	183400.5	29.8		60799.2	183400.5	33.2	B31.12-IP-19
52(OCC)		56434.6	183400.5	30.8		62485.9	183400.5	34.1	B31.12-IP-19
53(OCC)		50259.6	183400.5	27.4		56267.9	183400.5	30.7	B31.12-IP-19
54(OCC)		53878.2	183400.5	29.4		58198.8	183400.5	31.7	B31.12-IP-19
2(Alt-SUS)	5200	45838.6	137895.1	33.2	5210	40629.1	137895.1	29.5	B31.12-IP-19
4(Alt-SUS)		47152.8	137895.1	34.2		41869.4	137895.1	30.4	B31.12-IP-19
6(Alt-SUS)		47690.8	137895.1	34.6		42377.0	137895.1	30.7	B31.12-IP-19
8(Alt-SUS)		47643.6	137895.1	34.6		42332.7	137895.1	30.7	B31.12-IP-19
14(SUS)		47690.5	137895.1	34.6		42376.6	137895.1	30.7	B31.12-IP-19
24(EXP)		15613.0	297047.1	5.3		13599.1	302360.8	4.5	B31.12-IP-19
25(EXP)		4231.0	297047.1	1.4		3623.6	302360.8	1.2	B31.12-IP-19
26(EXP)		3003.1	297047.1	1.0		2576.7	302360.8	0.9	B31.12-IP-19
27(EXP)		10587.8	297047.1	3.6		9082.4	302360.8	3.0	B31.12-IP-19
28(EXP)		14818.8	297047.1	5.0		12705.9	302360.8	4.2	B31.12-IP-19
42(OCC)		48146.6	183400.5	26.3		42701.7	183400.5	23.3	B31.12-IP-19
43(OCC)		48129.2	183400.5	26.2		42691.6	183400.5	23.3	B31.12-IP-19
44(OCC)		47905.6	183400.5	26.1		42573.5	183400.5	23.2	B31.12-IP-19
45(OCC)		47876.7	183400.5	26.1		42554.7	183400.5	23.2	B31.12-IP-19
46(OCC)		47762.9	183400.5	26.0		42445.0	183400.5	23.1	B31.12-IP-19
47(OCC)		60937.6	183400.5	33.2		51261.0	183400.5	28.0	B31.12-IP-19
48(OCC)		58827.2	183400.5	32.1		49734.2	183400.5	27.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		58307.9	183400.5	31.8		50158.1	183400.5	27.3	B31.12-IP-19
50(OCC)		56955.6	183400.5	31.1		49221.2	183400.5	26.8	B31.12-IP-19
51(OCC)		59901.2	183400.5	32.7		50689.7	183400.5	27.6	B31.12-IP-19
52(OCC)		61387.4	183400.5	33.5		51676.4	183400.5	28.2	B31.12-IP-19
53(OCC)		56864.9	183400.5	31.0		49062.7	183400.5	26.8	B31.12-IP-19
54(OCC)		57802.2	183400.5	31.5		49682.6	183400.5	27.1	B31.12-IP-19
2(Alt-SUS)	5210	0.0	0.0	0.0	5220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	5220	0.0	0.0	0.0	4710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11490	0.0	0.0	0.0	11500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11500	0.0	0.0	0.0	11510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11510	0.0	0.0	0.0	11520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
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CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11510	0.0	0.0	0.0	11530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11530	0.0	0.0	0.0	11535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11540	2256.3	137895.1	1.6	11550	2263.9	137895.1	1.6	B31.12-IP-19
4(Alt-SUS)		2149.9	137895.1	1.6		2159.5	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2127.5	137895.1	1.5		2135.4	137895.1	1.5	B31.12-IP-19
8(Alt-SUS)		2128.7	137895.1	1.5		2136.9	137895.1	1.5	B31.12-IP-19
14(SUS)		2118.7	137895.1	1.5		2128.2	137895.1	1.5	B31.12-IP-19
24(EXP)		5740.4	342481.6	1.7		4952.6	342474.0	1.4	B31.12-IP-19
25(EXP)		1704.6	342481.6	0.5		1467.4	342474.0	0.4	B31.12-IP-19
26(EXP)		1225.5	342481.6	0.4		1057.5	342474.0	0.3	B31.12-IP-19
27(EXP)		4287.8	342481.6	1.3		3696.5	342474.0	1.1	B31.12-IP-19
28(EXP)		5991.9	342481.6	1.7		5163.5	342474.0	1.5	B31.12-IP-19
42(OCC)		2224.7	183400.5	1.2		2213.0	183400.5	1.2	B31.12-IP-19
43(OCC)		2226.1	183400.5	1.2		2214.1	183400.5	1.2	B31.12-IP-19
44(OCC)		2292.3	183400.5	1.2		2271.5	183400.5	1.2	B31.12-IP-19
45(OCC)		2299.9	183400.5	1.3		2278.2	183400.5	1.2	B31.12-IP-19
46(OCC)		2123.7	183400.5	1.2		2132.2	183400.5	1.2	B31.12-IP-19
47(OCC)		3189.8	183400.5	1.7		2987.9	183400.5	1.6	B31.12-IP-19
48(OCC)		3230.8	183400.5	1.8		3024.6	183400.5	1.6	B31.12-IP-19
49(OCC)		2800.0	183400.5	1.5		2650.9	183400.5	1.4	B31.12-IP-19
50(OCC)		3008.4	183400.5	1.6		2833.0	183400.5	1.5	B31.12-IP-19
51(OCC)		3199.6	183400.5	1.7		2997.9	183400.5	1.6	B31.12-IP-19
52(OCC)		3269.8	183400.5	1.8		3056.5	183400.5	1.7	B31.12-IP-19
53(OCC)		2763.1	183400.5	1.5		2618.8	183400.5	1.4	B31.12-IP-19
54(OCC)		2816.2	183400.5	1.5		2660.9	183400.5	1.5	B31.12-IP-19
2(Alt-SUS)	11550	3953.7	137895.1	2.9	11560	3963.3	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3760.9	137895.1	2.7		3775.3	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3716.7	137895.1	2.7		3726.4	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3719.4	137895.1	2.7		3729.9	137895.1	2.7	B31.12-IP-19
14(SUS)		3703.2	137895.1	2.7		3716.8	137895.1	2.7	B31.12-IP-19
24(EXP)		9213.9	340784.2	2.7		7407.2	340774.5	2.2	B31.12-IP-19
25(EXP)		2730.0	340784.2	0.8		2181.7	340774.5	0.6	B31.12-IP-19
26(EXP)		1967.4	340784.2	0.6		1579.7	340774.5	0.5	B31.12-IP-19
27(EXP)		6876.9	340784.2	2.0		5510.9	340774.5	1.6	B31.12-IP-19
28(EXP)		9606.3	340784.2	2.8		7692.0	340774.5	2.3	B31.12-IP-19
42(OCC)		3861.0	183400.5	2.1		3829.2	183400.5	2.1	B31.12-IP-19
43(OCC)		3862.9	183400.5	2.1		3830.5	183400.5	2.1	B31.12-IP-19
44(OCC)		3969.7	183400.5	2.2		3915.2	183400.5	2.1	B31.12-IP-19
45(OCC)		3982.2	183400.5	2.2		3925.5	183400.5	2.1	B31.12-IP-19
46(OCC)		3710.5	183400.5	2.0		3721.5	183400.5	2.0	B31.12-IP-19
47(OCC)		5300.8	183400.5	2.9		4856.6	183400.5	2.6	B31.12-IP-19
48(OCC)		5367.6	183400.5	2.9		4911.9	183400.5	2.7	B31.12-IP-19
49(OCC)		4673.5	183400.5	2.5		4356.8	183400.5	2.4	B31.12-IP-19
50(OCC)		5010.3	183400.5	2.7		4627.6	183400.5	2.5	B31.12-IP-19
51(OCC)		5318.3	183400.5	2.9		4874.6	183400.5	2.7	B31.12-IP-19
52(OCC)		5428.8	183400.5	3.0		4955.9	183400.5	2.7	B31.12-IP-19
53(OCC)		4613.4	183400.5	2.5		4308.8	183400.5	2.3	B31.12-IP-19
54(OCC)		4692.3	183400.5	2.6		4360.0	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	11560	0.0	0.0	0.0	11570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6020	0.0	0.0	0.0	6030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6030	36635.9	137895.1	26.6	6040	36589.1	137895.1	26.5	B31.12-IP-19
4(Alt-SUS)		34940.2	137895.1	25.3		34969.4	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34486.9	137895.1	25.0		34490.9	137895.1	25.0	B31.12-IP-19
8(Alt-SUS)		34509.5	137895.1	25.0		34516.1	137895.1	25.0	B31.12-IP-19
14(SUS)		34441.0	137895.1	25.0		34458.6	137895.1	25.0	B31.12-IP-19
24(EXP)		47169.7	308102.0	15.3		42631.6	308148.8	13.8	B31.12-IP-19
25(EXP)		13709.6	308102.0	4.4		12257.0	308148.8	4.0	B31.12-IP-19
26(EXP)		9946.9	308102.0	3.2		8926.8	308148.8	2.9	B31.12-IP-19
27(EXP)		34700.3	308102.0	11.3		31095.3	308148.8	10.1	B31.12-IP-19
28(EXP)		48406.9	308102.0	15.7		43350.2	308148.8	14.1	B31.12-IP-19
42(OCC)		35023.6	183400.5	19.1		34882.9	183400.5	19.0	B31.12-IP-19
43(OCC)		35046.3	183400.5	19.1		34891.4	183400.5	19.0	B31.12-IP-19
44(OCC)		35568.2	183400.5	19.4		35294.1	183400.5	19.2	B31.12-IP-19
45(OCC)		35594.6	183400.5	19.4		35317.0	183400.5	19.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		34480.6	183400.5	18.8		34483.3	183400.5	18.8	B31.12-IP-19
47(OCC)		40379.2	183400.5	22.0		38967.6	183400.5	21.2	B31.12-IP-19
48(OCC)		40828.2	183400.5	22.3		39307.3	183400.5	21.4	B31.12-IP-19
49(OCC)		37325.8	183400.5	20.4		36405.0	183400.5	19.8	B31.12-IP-19
50(OCC)		38920.2	183400.5	21.2		37685.1	183400.5	20.5	B31.12-IP-19
51(OCC)		40525.4	183400.5	22.1		39109.9	183400.5	21.3	B31.12-IP-19
52(OCC)		41029.6	183400.5	22.4		39439.8	183400.5	21.5	B31.12-IP-19
53(OCC)		37227.1	183400.5	20.3		36355.4	183400.5	19.8	B31.12-IP-19
54(OCC)		37227.9	183400.5	20.3		36231.4	183400.5	19.8	B31.12-IP-19
2(Alt-SUS)	6040	0.0	0.0	0.0	6050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6050	0.0	0.0	0.0	6060	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	6060	36741.8	137895.1	26.6	6068	36733.2	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		35233.0	137895.1	25.6		35271.2	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34712.1	137895.1	25.2		34728.2	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34740.8	137895.1	25.2		34758.2	137895.1	25.2	B31.12-IP-19
14(SUS)		34695.9	137895.1	25.2		34716.3	137895.1	25.2	B31.12-IP-19
24(EXP)		41791.1	307996.1	13.6		45543.4	308004.6	14.8	B31.12-IP-19
25(EXP)		11835.5	307996.1	3.8		12898.8	308004.6	4.2	B31.12-IP-19
26(EXP)		8617.4	307996.1	2.8		9349.2	308004.6	3.0	B31.12-IP-19
27(EXP)		30011.4	307996.1	9.7		32609.2	308004.6	10.6	B31.12-IP-19
28(EXP)		41846.3	307996.1	13.6		45507.7	308004.6	14.8	B31.12-IP-19
42(OCC)		34902.7	183400.5	19.0		34854.7	183400.5	19.0	B31.12-IP-19
43(OCC)		34892.3	183400.5	19.0		34859.4	183400.5	19.0	B31.12-IP-19
44(OCC)		35063.6	183400.5	19.1		34856.9	183400.5	19.0	B31.12-IP-19
45(OCC)		35079.5	183400.5	19.1		34864.1	183400.5	19.0	B31.12-IP-19
46(OCC)		34733.3	183400.5	18.9		34771.0	183400.5	19.0	B31.12-IP-19
47(OCC)		37552.9	183400.5	20.5		37251.2	183400.5	20.3	B31.12-IP-19
48(OCC)		37619.0	183400.5	20.5		37267.2	183400.5	20.3	B31.12-IP-19
49(OCC)		35431.8	183400.5	19.3		35141.4	183400.5	19.2	B31.12-IP-19
50(OCC)		36264.6	183400.5	19.8		35993.9	183400.5	19.6	B31.12-IP-19
51(OCC)		37598.8	183400.5	20.5		37277.9	183400.5	20.3	B31.12-IP-19
52(OCC)		37812.5	183400.5	20.6		37449.3	183400.5	20.4	B31.12-IP-19
53(OCC)		35429.8	183400.5	19.3		35153.6	183400.5	19.2	B31.12-IP-19
54(OCC)		35170.6	183400.5	19.2		34849.5	183400.5	19.0	B31.12-IP-19
2(Alt-SUS)	6068	38722.2	137895.1	28.1	6069	37965.7	137895.1	27.5	B31.12-IP-19
4(Alt-SUS)		35964.5	137895.1	26.1		35796.7	137895.1	26.0	B31.12-IP-19
6(Alt-SUS)		34936.6	137895.1	25.3		34965.2	137895.1	25.4	B31.12-IP-19
8(Alt-SUS)		34993.7	137895.1	25.4		35011.4	137895.1	25.4	B31.12-IP-19
14(SUS)		34913.4	137895.1	25.3		34948.0	137895.1	25.3	B31.12-IP-19
24(EXP)		80375.1	306015.6	26.3		65491.2	306772.2	21.3	B31.12-IP-19
25(EXP)		21991.7	306015.6	7.2		18052.4	306772.2	5.9	B31.12-IP-19
26(EXP)		16111.2	306015.6	5.3		13117.7	306772.2	4.3	B31.12-IP-19
27(EXP)		55950.1	306015.6	18.3		45677.0	306772.2	14.9	B31.12-IP-19
28(EXP)		77941.0	306015.6	25.5		63729.1	306772.2	20.8	B31.12-IP-19
42(OCC)		35070.7	183400.5	19.1		35064.0	183400.5	19.1	B31.12-IP-19
43(OCC)		35098.6	183400.5	19.1		35141.8	183400.5	19.2	B31.12-IP-19
44(OCC)		35171.0	183400.5	19.2		35210.4	183400.5	19.2	B31.12-IP-19
45(OCC)		35192.5	183400.5	19.2		35187.0	183400.5	19.2	B31.12-IP-19
46(OCC)		35011.4	183400.5	19.1		35061.7	183400.5	19.1	B31.12-IP-19
47(OCC)		37547.7	183400.5	20.5		37540.9	183400.5	20.5	B31.12-IP-19
48(OCC)		37544.1	183400.5	20.5		37590.0	183400.5	20.5	B31.12-IP-19
49(OCC)		35722.5	183400.5	19.5		35391.1	183400.5	19.3	B31.12-IP-19
50(OCC)		36905.0	183400.5	20.1		36611.2	183400.5	20.0	B31.12-IP-19
51(OCC)		37527.3	183400.5	20.5		37518.5	183400.5	20.5	B31.12-IP-19
52(OCC)		37762.6	183400.5	20.6		37861.6	183400.5	20.6	B31.12-IP-19
53(OCC)		35768.8	183400.5	19.5		35346.8	183400.5	19.3	B31.12-IP-19
54(OCC)		35091.6	183400.5	19.1		35802.6	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	6069	37965.7	137895.1	27.5	6070	35867.4	137895.1	26.0	B31.12-IP-19
4(Alt-SUS)		35796.7	137895.1	26.0		35174.5	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		34965.2	137895.1	25.4		34891.1	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		35011.4	137895.1	25.4		34909.2	137895.1	25.3	B31.12-IP-19
14(SUS)		34948.0	137895.1	25.3		34882.0	137895.1	25.3	B31.12-IP-19
24(EXP)		65491.2	306772.2	21.3		57171.7	308870.4	18.5	B31.12-IP-19
25(EXP)		18052.4	306772.2	5.9		16236.4	308870.4	5.3	B31.12-IP-19
26(EXP)		13117.7	306772.2	4.3		11735.2	308870.4	3.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		45677.0	306772.2	14.9		40961.9	308870.4	13.3	B31.12-IP-19
28(EXP)		63729.1	306772.2	20.8		57198.2	308870.4	18.5	B31.12-IP-19
42(OCC)		35064.0	183400.5	19.1		34965.5	183400.5	19.1	B31.12-IP-19
43(OCC)		35141.8	183400.5	19.2		35009.5	183400.5	19.1	B31.12-IP-19
44(OCC)		35210.4	183400.5	19.2		35155.6	183400.5	19.2	B31.12-IP-19
45(OCC)		35187.0	183400.5	19.2		35176.4	183400.5	19.2	B31.12-IP-19
46(OCC)		35061.7	183400.5	19.1		34944.0	183400.5	19.1	B31.12-IP-19
47(OCC)		37540.9	183400.5	20.5		36953.3	183400.5	20.1	B31.12-IP-19
48(OCC)		37590.0	183400.5	20.5		36948.1	183400.5	20.1	B31.12-IP-19
49(OCC)		35391.1	183400.5	19.3		35251.0	183400.5	19.2	B31.12-IP-19
50(OCC)		36611.2	183400.5	20.0		36875.7	183400.5	20.1	B31.12-IP-19
51(OCC)		37518.5	183400.5	20.5		36983.4	183400.5	20.2	B31.12-IP-19
52(OCC)		37861.6	183400.5	20.6		37125.0	183400.5	20.2	B31.12-IP-19
53(OCC)		35346.8	183400.5	19.3		35172.2	183400.5	19.2	B31.12-IP-19
54(OCC)		35802.6	183400.5	19.5		35632.2	183400.5	19.4	B31.12-IP-19
2(Alt-SUS)	6070	35205.1	137895.1	25.5	6078	34817.8	137895.1	25.2	B31.12-IP-19
4(Alt-SUS)		34852.3	137895.1	25.3		34570.0	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34709.4	137895.1	25.2		34641.9	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34718.4	137895.1	25.2		34638.9	137895.1	25.1	B31.12-IP-19
14(SUS)		34705.0	137895.1	25.2		34640.6	137895.1	25.1	B31.12-IP-19
24(EXP)		40617.2	309532.7	13.1		36461.4	309920.0	11.8	B31.12-IP-19
25(EXP)		11602.4	309532.7	3.7		10426.8	309920.0	3.4	B31.12-IP-19
26(EXP)		8344.2	309532.7	2.7		7487.9	309920.0	2.4	B31.12-IP-19
27(EXP)		29184.6	309532.7	9.4		26206.9	309920.0	8.5	B31.12-IP-19
28(EXP)		40787.0	309532.7	13.2		36633.5	309920.0	11.8	B31.12-IP-19
42(OCC)		34778.5	183400.5	19.0		34708.9	183400.5	18.9	B31.12-IP-19
43(OCC)		34828.0	183400.5	19.0		34781.1	183400.5	19.0	B31.12-IP-19
44(OCC)		34896.0	183400.5	19.0		34842.7	183400.5	19.0	B31.12-IP-19
45(OCC)		34899.0	183400.5	19.0		34839.4	183400.5	19.0	B31.12-IP-19
46(OCC)		34740.6	183400.5	18.9		34665.6	183400.5	18.9	B31.12-IP-19
47(OCC)		36311.0	183400.5	19.8		35929.1	183400.5	19.6	B31.12-IP-19
48(OCC)		36378.7	183400.5	19.8		36086.9	183400.5	19.7	B31.12-IP-19
49(OCC)		35044.7	183400.5	19.1		35047.7	183400.5	19.1	B31.12-IP-19
50(OCC)		36260.6	183400.5	19.8		36674.4	183400.5	20.0	B31.12-IP-19
51(OCC)		36303.7	183400.5	19.8		35905.0	183400.5	19.6	B31.12-IP-19
52(OCC)		36514.8	183400.5	19.9		36189.7	183400.5	19.7	B31.12-IP-19
53(OCC)		34939.8	183400.5	19.1		34913.9	183400.5	19.0	B31.12-IP-19
54(OCC)		35180.9	183400.5	19.2		35053.2	183400.5	19.1	B31.12-IP-19
2(Alt-SUS)	6078	35013.3	137895.1	25.4	6079	36464.1	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		34604.5	137895.1	25.1		35018.4	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34718.6	137895.1	25.2		34617.9	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34713.5	137895.1	25.2		34625.2	137895.1	25.1	B31.12-IP-19
14(SUS)		34716.4	137895.1	25.2		34589.9	137895.1	25.1	B31.12-IP-19
24(EXP)		40443.2	309724.5	13.1		43757.1	308273.7	14.2	B31.12-IP-19
25(EXP)		11523.8	309724.5	3.7		12796.1	308273.7	4.2	B31.12-IP-19
26(EXP)		8333.7	309724.5	2.7		9100.1	308273.7	3.0	B31.12-IP-19
27(EXP)		29100.8	309724.5	9.4		31956.5	308273.7	10.4	B31.12-IP-19
28(EXP)		40624.1	309724.5	13.1		44752.2	308273.7	14.5	B31.12-IP-19
42(OCC)		34787.5	183400.5	19.0		34723.1	183400.5	18.9	B31.12-IP-19
43(OCC)		34891.8	183400.5	19.0		34786.7	183400.5	19.0	B31.12-IP-19
44(OCC)		35030.2	183400.5	19.1		34840.6	183400.5	19.0	B31.12-IP-19
45(OCC)		35034.7	183400.5	19.1		34824.3	183400.5	19.0	B31.12-IP-19
46(OCC)		34758.2	183400.5	19.0		34655.0	183400.5	18.9	B31.12-IP-19
47(OCC)		36030.3	183400.5	19.6		37248.8	183400.5	20.3	B31.12-IP-19
48(OCC)		36263.1	183400.5	19.8		37600.6	183400.5	20.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		35261.6	183400.5	19.2		35069.9	183400.5	19.1	B31.12-IP-19
50(OCC)		37562.5	183400.5	20.5		37374.7	183400.5	20.4	B31.12-IP-19
51(OCC)		36027.9	183400.5	19.6		37216.5	183400.5	20.3	B31.12-IP-19
52(OCC)		36357.6	183400.5	19.8		37879.5	183400.5	20.7	B31.12-IP-19
53(OCC)		35101.1	183400.5	19.1		34895.4	183400.5	19.0	B31.12-IP-19
54(OCC)		35337.4	183400.5	19.3		35152.5	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	6079	36464.1	137895.1	26.4	6080	36906.5	137895.1	26.8	B31.12-IP-19
4(Alt-SUS)		35018.4	137895.1	25.4		35281.0	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		34617.9	137895.1	25.1		34817.7	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34625.2	137895.1	25.1		34843.6	137895.1	25.3	B31.12-IP-19
14(SUS)		34589.9	137895.1	25.1		34821.5	137895.1	25.3	B31.12-IP-19
24(EXP)		43757.1	308273.7	14.2		54326.0	307831.3	17.6	B31.12-IP-19
25(EXP)		12796.1	308273.7	4.2		16090.7	307831.3	5.2	B31.12-IP-19
26(EXP)		9100.1	308273.7	3.0		11497.7	307831.3	3.7	B31.12-IP-19
27(EXP)		31956.5	308273.7	10.4		40337.5	307831.3	13.1	B31.12-IP-19
28(EXP)		44752.2	308273.7	14.5		56427.9	307831.3	18.3	B31.12-IP-19
42(OCC)		34723.1	183400.5	18.9		34993.1	183400.5	19.1	B31.12-IP-19
43(OCC)		34786.7	183400.5	19.0		34981.5	183400.5	19.1	B31.12-IP-19
44(OCC)		34840.6	183400.5	19.0		35035.4	183400.5	19.1	B31.12-IP-19
45(OCC)		34824.3	183400.5	19.0		35008.9	183400.5	19.1	B31.12-IP-19
46(OCC)		34655.0	183400.5	18.9		34908.2	183400.5	19.0	B31.12-IP-19
47(OCC)		37248.8	183400.5	20.3		38179.3	183400.5	20.8	B31.12-IP-19
48(OCC)		37600.6	183400.5	20.5		38232.0	183400.5	20.8	B31.12-IP-19
49(OCC)		35069.9	183400.5	19.1		35236.8	183400.5	19.2	B31.12-IP-19
50(OCC)		37374.7	183400.5	20.4		37276.5	183400.5	20.3	B31.12-IP-19
51(OCC)		37216.5	183400.5	20.3		38358.5	183400.5	20.9	B31.12-IP-19
52(OCC)		37879.5	183400.5	20.7		38393.7	183400.5	20.9	B31.12-IP-19
53(OCC)		34895.4	183400.5	19.0		35204.0	183400.5	19.2	B31.12-IP-19
54(OCC)		35152.5	183400.5	19.2		35267.5	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	6080	35932.3	137895.1	26.1	6090	43254.5	137895.1	31.4	B31.12-IP-19
4(Alt-SUS)		34980.5	137895.1	25.4		38235.4	137895.1	27.7	B31.12-IP-19
6(Alt-SUS)		34701.0	137895.1	25.2		36361.9	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		34716.6	137895.1	25.2		36459.5	137895.1	26.4	B31.12-IP-19
14(SUS)		34703.3	137895.1	25.2		36351.9	137895.1	26.4	B31.12-IP-19
24(EXP)		29297.1	308805.5	9.5		55602.7	301483.3	18.4	B31.12-IP-19
25(EXP)		8481.7	308805.5	2.7		14781.2	301483.3	4.9	B31.12-IP-19
26(EXP)		6087.3	308805.5	2.0		10846.9	301483.3	3.6	B31.12-IP-19
27(EXP)		21327.5	308805.5	6.9		37674.3	301483.3	12.5	B31.12-IP-19
28(EXP)		29809.0	308805.5	9.7		52452.0	301483.3	17.4	B31.12-IP-19
42(OCC)		34804.2	183400.5	19.0		36560.9	183400.5	19.9	B31.12-IP-19
43(OCC)		34847.6	183400.5	19.0		36795.8	183400.5	20.1	B31.12-IP-19
44(OCC)		34862.6	183400.5	19.0		37275.1	183400.5	20.3	B31.12-IP-19
45(OCC)		34820.5	183400.5	19.0		37219.3	183400.5	20.3	B31.12-IP-19
46(OCC)		34770.4	183400.5	19.0		36637.7	183400.5	20.0	B31.12-IP-19
47(OCC)		36632.6	183400.5	20.0		38376.8	183400.5	20.9	B31.12-IP-19
48(OCC)		36729.4	183400.5	20.0		37932.9	183400.5	20.7	B31.12-IP-19
49(OCC)		35064.3	183400.5	19.1		38117.4	183400.5	20.8	B31.12-IP-19
50(OCC)		37113.8	183400.5	20.2		41787.6	183400.5	22.8	B31.12-IP-19
51(OCC)		36720.5	183400.5	20.0		37891.2	183400.5	20.7	B31.12-IP-19
52(OCC)		36821.7	183400.5	20.1		39539.3	183400.5	21.6	B31.12-IP-19
53(OCC)		34942.4	183400.5	19.1		37373.1	183400.5	20.4	B31.12-IP-19
54(OCC)		35073.6	183400.5	19.1		39164.7	183400.5	21.4	B31.12-IP-19
2(Alt-SUS)	6090	43162.2	137895.1	31.3	6100	47972.5	137895.1	34.8	B31.12-IP-19
4(Alt-SUS)		38236.6	137895.1	27.7		35138.8	137895.1	25.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		36365.9	137895.1	26.4		37893.8	137895.1	27.5	B31.12-IP-19
8(Alt-SUS)		36463.7	137895.1	26.4		37681.4	137895.1	27.3	B31.12-IP-19
14(SUS)		36367.2	137895.1	26.4		38005.6	137895.1	27.6	B31.12-IP-19
24(EXP)		55602.7	301575.7	18.4		125272.4	296765.3	42.2	B31.12-IP-19
25(EXP)		14781.2	301575.7	4.9		38105.0	296765.3	12.8	B31.12-IP-19
26(EXP)		10846.9	301575.7	3.6		26909.1	296765.3	9.1	B31.12-IP-19
27(EXP)		37674.3	301575.7	12.5		94483.8	296765.3	31.8	B31.12-IP-19
28(EXP)		52452.0	301575.7	17.4		132585.8	296765.3	44.7	B31.12-IP-19
42(OCC)		36582.8	183400.5	19.9		38094.3	183400.5	20.8	B31.12-IP-19
43(OCC)		36826.7	183400.5	20.1		38933.0	183400.5	21.2	B31.12-IP-19
44(OCC)		37306.3	183400.5	20.3		39213.3	183400.5	21.4	B31.12-IP-19
45(OCC)		37246.4	183400.5	20.3		38752.4	183400.5	21.1	B31.12-IP-19
46(OCC)		36657.0	183400.5	20.0		38498.1	183400.5	21.0	B31.12-IP-19
47(OCC)		38497.7	183400.5	21.0		39319.6	183400.5	21.4	B31.12-IP-19
48(OCC)		38027.9	183400.5	20.7		44998.0	183400.5	24.5	B31.12-IP-19
49(OCC)		38192.4	183400.5	20.8		42691.5	183400.5	23.3	B31.12-IP-19
50(OCC)		41846.9	183400.5	22.8		46405.8	183400.5	25.3	B31.12-IP-19
51(OCC)		37979.8	183400.5	20.7		42388.1	183400.5	23.1	B31.12-IP-19
52(OCC)		39621.8	183400.5	21.6		41531.6	183400.5	22.6	B31.12-IP-19
53(OCC)		37417.5	183400.5	20.4		41175.0	183400.5	22.5	B31.12-IP-19
54(OCC)		39210.5	183400.5	21.4		40367.4	183400.5	22.0	B31.12-IP-19
2(Alt-SUS)	6100	36294.7	137895.1	26.3	6108	35984.5	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		38557.1	137895.1	28.0		34979.2	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		40866.9	137895.1	29.6		35715.7	137895.1	25.9	B31.12-IP-19
8(Alt-SUS)		40738.7	137895.1	29.5		35675.2	137895.1	25.9	B31.12-IP-19
14(SUS)		40877.1	137895.1	29.6		35717.9	137895.1	25.9	B31.12-IP-19
24(EXP)		33813.7	303860.7	11.1		11163.1	308753.3	3.6	B31.12-IP-19
25(EXP)		10798.9	303860.7	3.6		3417.6	308753.3	1.1	B31.12-IP-19
26(EXP)		7368.0	303860.7	2.4		2302.1	308753.3	0.7	B31.12-IP-19
27(EXP)		26291.1	303860.7	8.7		8254.6	308753.3	2.7	B31.12-IP-19
28(EXP)		37087.1	303860.7	12.2		11669.1	308753.3	3.8	B31.12-IP-19
42(OCC)		41105.0	183400.5	22.4		35811.7	183400.5	19.5	B31.12-IP-19
43(OCC)		41229.4	183400.5	22.5		35846.0	183400.5	19.5	B31.12-IP-19
44(OCC)		41669.1	183400.5	22.7		36086.1	183400.5	19.7	B31.12-IP-19
45(OCC)		41415.7	183400.5	22.6		35842.9	183400.5	19.5	B31.12-IP-19
46(OCC)		41183.0	183400.5	22.5		35852.4	183400.5	19.5	B31.12-IP-19
47(OCC)		47270.6	183400.5	25.8		38508.2	183400.5	21.0	B31.12-IP-19
48(OCC)		43521.5	183400.5	23.7		37726.2	183400.5	20.6	B31.12-IP-19
49(OCC)		45521.8	183400.5	24.8		37784.0	183400.5	20.6	B31.12-IP-19
50(OCC)		50404.5	183400.5	27.5		41471.1	183400.5	22.6	B31.12-IP-19
51(OCC)		42350.2	183400.5	23.1		37795.1	183400.5	20.6	B31.12-IP-19
52(OCC)		46281.9	183400.5	25.2		38257.5	183400.5	20.9	B31.12-IP-19
53(OCC)		44721.5	183400.5	24.4		36632.5	183400.5	20.0	B31.12-IP-19
54(OCC)		44020.8	183400.5	24.0		36168.4	183400.5	19.7	B31.12-IP-19
2(Alt-SUS)	6108	36907.4	137895.1	26.8	6109	39296.0	137895.1	28.5	B31.12-IP-19
4(Alt-SUS)		35289.3	137895.1	25.6		37253.2	137895.1	27.0	B31.12-IP-19
6(Alt-SUS)		36525.3	137895.1	26.5		36368.6	137895.1	26.4	B31.12-IP-19
8(Alt-SUS)		36457.6	137895.1	26.4		36424.7	137895.1	26.4	B31.12-IP-19
14(SUS)		36524.9	137895.1	26.5		36351.8	137895.1	26.4	B31.12-IP-19
24(EXP)		27874.8	307830.4	9.1		25975.5	305441.8	8.5	B31.12-IP-19
25(EXP)		7967.7	307830.4	2.6		7265.9	305441.8	2.4	B31.12-IP-19
26(EXP)		5518.9	307830.4	1.8		4906.8	305441.8	1.6	B31.12-IP-19
27(EXP)		19550.4	307830.4	6.4		17525.1	305441.8	5.7	B31.12-IP-19
28(EXP)		27516.5	307830.4	8.9		24787.9	305441.8	8.1	B31.12-IP-19
42(OCC)		36684.1	183400.5	20.0		36510.0	183400.5	19.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		36729.6	183400.5	20.0		36421.6	183400.5	19.9	B31.12-IP-19
44(OCC)		37056.9	183400.5	20.2		37030.9	183400.5	20.2	B31.12-IP-19
45(OCC)		36717.6	183400.5	20.0		36910.7	183400.5	20.1	B31.12-IP-19
46(OCC)		36711.7	183400.5	20.0		36484.5	183400.5	19.9	B31.12-IP-19
47(OCC)		40920.6	183400.5	22.3		39033.5	183400.5	21.3	B31.12-IP-19
48(OCC)		38850.9	183400.5	21.2		39756.0	183400.5	21.7	B31.12-IP-19
49(OCC)		38695.2	183400.5	21.1		38750.4	183400.5	21.1	B31.12-IP-19
50(OCC)		43182.6	183400.5	23.5		44031.5	183400.5	24.0	B31.12-IP-19
51(OCC)		39337.8	183400.5	21.4		40283.3	183400.5	22.0	B31.12-IP-19
52(OCC)		40401.1	183400.5	22.0		38667.6	183400.5	21.1	B31.12-IP-19
53(OCC)		37871.5	183400.5	20.6		38493.9	183400.5	21.0	B31.12-IP-19
54(OCC)		37227.6	183400.5	20.3		38048.9	183400.5	20.7	B31.12-IP-19
2(Alt-SUS)	6109	39296.0	137895.1	28.5	6110	38954.1	137895.1	28.2	B31.12-IP-19
4(Alt-SUS)		37253.2	137895.1	27.0		39120.3	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		36368.6	137895.1	26.4		39107.4	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		36424.7	137895.1	26.4		39119.5	137895.1	28.4	B31.12-IP-19
14(SUS)		36351.8	137895.1	26.4		39076.6	137895.1	28.3	B31.12-IP-19
24(EXP)		25975.5	305441.8	8.5		19205.4	305617.6	6.3	B31.12-IP-19
25(EXP)		7265.9	305441.8	2.4		4711.5	305617.6	1.5	B31.12-IP-19
26(EXP)		4906.8	305441.8	1.6		3420.5	305617.6	1.1	B31.12-IP-19
27(EXP)		17525.1	305441.8	5.7		11784.7	305617.6	3.9	B31.12-IP-19
28(EXP)		24787.9	305441.8	8.1		16487.4	305617.6	5.4	B31.12-IP-19
42(OCC)		36510.0	183400.5	19.9		39280.6	183400.5	21.4	B31.12-IP-19
43(OCC)		36421.6	183400.5	19.9		39232.1	183400.5	21.4	B31.12-IP-19
44(OCC)		37030.9	183400.5	20.2		39911.0	183400.5	21.8	B31.12-IP-19
45(OCC)		36910.7	183400.5	20.1		39719.0	183400.5	21.7	B31.12-IP-19
46(OCC)		36484.5	183400.5	19.9		39127.8	183400.5	21.3	B31.12-IP-19
47(OCC)		39033.5	183400.5	21.3		44589.6	183400.5	24.3	B31.12-IP-19
48(OCC)		39756.0	183400.5	21.7		44144.1	183400.5	24.1	B31.12-IP-19
49(OCC)		38750.4	183400.5	21.1		41608.7	183400.5	22.7	B31.12-IP-19
50(OCC)		44031.5	183400.5	24.0		50858.4	183400.5	27.7	B31.12-IP-19
51(OCC)		40283.3	183400.5	22.0		44705.9	183400.5	24.4	B31.12-IP-19
52(OCC)		38667.6	183400.5	21.1		43930.0	183400.5	24.0	B31.12-IP-19
53(OCC)		38493.9	183400.5	21.0		43025.9	183400.5	23.5	B31.12-IP-19
54(OCC)		38048.9	183400.5	20.7		41706.0	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	6110	37187.7	137895.1	27.0	6120	37214.0	137895.1	27.0	B31.12-IP-19
4(Alt-SUS)		37288.5	137895.1	27.0		37408.4	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37283.6	137895.1	27.0		37441.1	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		37290.5	137895.1	27.0		37445.9	137895.1	27.2	B31.12-IP-19
14(SUS)		37266.5	137895.1	27.0		37424.4	137895.1	27.1	B31.12-IP-19
24(EXP)		8247.8	307447.4	2.7		8391.7	307292.0	2.7	B31.12-IP-19
25(EXP)		2002.8	307447.4	0.7		2039.3	307292.0	0.7	B31.12-IP-19
26(EXP)		1474.9	307447.4	0.5		1511.7	307292.0	0.5	B31.12-IP-19
27(EXP)		5052.2	307447.4	1.6		5166.4	307292.0	1.7	B31.12-IP-19
28(EXP)		7051.5	307447.4	2.3		7202.5	307292.0	2.3	B31.12-IP-19
42(OCC)		37374.0	183400.5	20.4		37533.0	183400.5	20.5	B31.12-IP-19
43(OCC)		37363.2	183400.5	20.4		37526.0	183400.5	20.5	B31.12-IP-19
44(OCC)		37780.5	183400.5	20.6		37935.8	183400.5	20.7	B31.12-IP-19
45(OCC)		37626.9	183400.5	20.5		37780.7	183400.5	20.6	B31.12-IP-19
46(OCC)		37294.3	183400.5	20.3		37451.9	183400.5	20.4	B31.12-IP-19
47(OCC)		40386.5	183400.5	22.0		40639.2	183400.5	22.2	B31.12-IP-19
48(OCC)		41018.8	183400.5	22.4		41244.2	183400.5	22.5	B31.12-IP-19
49(OCC)		39223.7	183400.5	21.4		39372.4	183400.5	21.5	B31.12-IP-19
50(OCC)		44448.2	183400.5	24.2		44657.7	183400.5	24.3	B31.12-IP-19
51(OCC)		41242.4	183400.5	22.5		41459.7	183400.5	22.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		40063.3	183400.5	21.8		40304.4	183400.5	22.0	B31.12-IP-19
53(OCC)		39749.3	183400.5	21.7		39970.7	183400.5	21.8	B31.12-IP-19
54(OCC)		38993.7	183400.5	21.3		39183.0	183400.5	21.4	B31.12-IP-19
2(Alt-SUS)	6120	0.0	0.0	0.0	6130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6130	0.0	0.0	0.0	6140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6140	0.0	0.0	0.0	6150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6150	53218.5	137895.1	38.6	6160	56394.7	137895.1	40.9	B31.12-IP-19
4(Alt-SUS)		44252.0	137895.1	32.1		46811.6	137895.1	33.9	B31.12-IP-19
6(Alt-SUS)		40748.5	137895.1	29.6		43060.2	137895.1	31.2	B31.12-IP-19
8(Alt-SUS)		40939.9	137895.1	29.7		43265.6	137895.1	31.4	B31.12-IP-19
14(SUS)		40737.4	137895.1	29.5		43046.9	137895.1	31.2	B31.12-IP-19
24(EXP)		66179.3	291519.3	22.7		70658.8	288343.1	24.5	B31.12-IP-19
25(EXP)		19301.6	291519.3	6.6		20624.1	288343.1	7.2	B31.12-IP-19
26(EXP)		13481.9	291519.3	4.6		14395.2	288343.1	5.0	B31.12-IP-19
27(EXP)		47549.8	291519.3	16.3		50786.9	288343.1	17.6	B31.12-IP-19
28(EXP)		66850.5	291519.3	22.9		71409.9	288343.1	24.8	B31.12-IP-19
42(OCC)		41319.9	183400.5	22.5		43704.5	183400.5	23.8	B31.12-IP-19
43(OCC)		41358.4	183400.5	22.6		43727.1	183400.5	23.8	B31.12-IP-19
44(OCC)		41493.2	183400.5	22.6		43842.2	183400.5	23.9	B31.12-IP-19
45(OCC)		41366.7	183400.5	22.6		43719.6	183400.5	23.8	B31.12-IP-19
46(OCC)		41188.1	183400.5	22.5		43529.0	183400.5	23.7	B31.12-IP-19
47(OCC)		48832.9	183400.5	26.6		53334.7	183400.5	29.1	B31.12-IP-19
48(OCC)		48131.6	183400.5	26.2		52125.1	183400.5	28.4	B31.12-IP-19
49(OCC)		45424.1	183400.5	24.8		48713.2	183400.5	26.6	B31.12-IP-19
50(OCC)		44160.7	183400.5	24.1		46879.4	183400.5	25.6	B31.12-IP-19
51(OCC)		48972.1	183400.5	26.7		53239.5	183400.5	29.0	B31.12-IP-19
52(OCC)		49826.4	183400.5	27.2		54386.2	183400.5	29.7	B31.12-IP-19
53(OCC)		45172.3	183400.5	24.6		48649.8	183400.5	26.5	B31.12-IP-19
54(OCC)		47771.1	183400.5	26.0		51372.0	183400.5	28.0	B31.12-IP-19
2(Alt-SUS)	6160	56386.2	137895.1	40.9	6170	68788.9	137895.1	49.9	B31.12-IP-19
4(Alt-SUS)		46801.2	137895.1	33.9		52282.4	137895.1	37.9	B31.12-IP-19
6(Alt-SUS)		43048.9	137895.1	31.2		45782.9	137895.1	33.2	B31.12-IP-19
8(Alt-SUS)		43256.0	137895.1	31.4		46140.3	137895.1	33.5	B31.12-IP-19
14(SUS)		43028.3	137895.1	31.2		45748.4	137895.1	33.2	B31.12-IP-19
24(EXP)		70658.8	288351.7	24.5		126353.3	275949.0	45.8	B31.12-IP-19
25(EXP)		20624.1	288351.7	7.2		38890.5	275949.0	14.1	B31.12-IP-19
26(EXP)		14395.2	288351.7	5.0		26741.8	275949.0	9.7	B31.12-IP-19
27(EXP)		50786.9	288351.7	17.6		94872.5	275949.0	34.4	B31.12-IP-19
28(EXP)		71409.9	288351.7	24.8		133762.3	275949.0	48.5	B31.12-IP-19
42(OCC)		43699.0	183400.5	23.8		46667.6	183400.5	25.4	B31.12-IP-19
43(OCC)		43811.1	183400.5	23.9		46908.9	183400.5	25.6	B31.12-IP-19
44(OCC)		43948.7	183400.5	24.0		46868.6	183400.5	25.6	B31.12-IP-19
45(OCC)		43765.1	183400.5	23.9		46767.6	183400.5	25.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		43507.1	183400.5	23.7		46569.3	183400.5	25.4	B31.12-IP-19
47(OCC)		53487.5	183400.5	29.2		59217.6	183400.5	32.3	B31.12-IP-19
48(OCC)		52600.4	183400.5	28.7		56154.6	183400.5	30.6	B31.12-IP-19
49(OCC)		52619.0	183400.5	28.7		53613.4	183400.5	29.2	B31.12-IP-19
50(OCC)		48651.7	183400.5	26.5		53807.0	183400.5	29.3	B31.12-IP-19
51(OCC)		55103.0	183400.5	30.0		60290.2	183400.5	32.9	B31.12-IP-19
52(OCC)		56630.1	183400.5	30.9		62650.2	183400.5	34.2	B31.12-IP-19
53(OCC)		50645.3	183400.5	27.6		57923.3	183400.5	31.6	B31.12-IP-19
54(OCC)		55268.4	183400.5	30.1		58236.1	183400.5	31.8	B31.12-IP-19
2(Alt-SUS)	6170	68710.4	137895.1	49.8	6180	46073.5	137895.1	33.4	B31.12-IP-19
4(Alt-SUS)		52303.6	137895.1	37.9		39999.8	137895.1	29.0	B31.12-IP-19
6(Alt-SUS)		45841.0	137895.1	33.2		37610.6	137895.1	27.3	B31.12-IP-19
8(Alt-SUS)		46197.0	137895.1	33.5		37742.6	137895.1	27.4	B31.12-IP-19
14(SUS)		45805.1	137895.1	33.2		37594.0	137895.1	27.3	B31.12-IP-19
24(EXP)		137898.2	276027.5	50.0		42847.3	298664.3	14.3	B31.12-IP-19
25(EXP)		41567.8	276027.5	15.1		12587.8	298664.3	4.2	B31.12-IP-19
26(EXP)		28744.6	276027.5	10.4		8740.2	298664.3	2.9	B31.12-IP-19
27(EXP)		101782.4	276027.5	36.9		30888.3	298664.3	10.3	B31.12-IP-19
28(EXP)		143348.2	276027.5	51.9		43475.2	298664.3	14.6	B31.12-IP-19
42(OCC)		46709.8	183400.5	25.5		37957.4	183400.5	20.7	B31.12-IP-19
43(OCC)		46945.5	183400.5	25.6		38086.4	183400.5	20.8	B31.12-IP-19
44(OCC)		46867.6	183400.5	25.6		38087.9	183400.5	20.8	B31.12-IP-19
45(OCC)		46737.3	183400.5	25.5		38000.3	183400.5	20.7	B31.12-IP-19
46(OCC)		46620.4	183400.5	25.4		37897.5	183400.5	20.7	B31.12-IP-19
47(OCC)		57813.3	183400.5	31.5		42535.7	183400.5	23.2	B31.12-IP-19
48(OCC)		56319.4	183400.5	30.7		43197.2	183400.5	23.6	B31.12-IP-19
49(OCC)		52782.9	183400.5	28.8		44751.9	183400.5	24.4	B31.12-IP-19
50(OCC)		53377.2	183400.5	29.1		43364.0	183400.5	23.6	B31.12-IP-19
51(OCC)		58477.9	183400.5	31.9		44262.2	183400.5	24.1	B31.12-IP-19
52(OCC)		62452.9	183400.5	34.1		45293.6	183400.5	24.7	B31.12-IP-19
53(OCC)		58121.6	183400.5	31.7		45129.3	183400.5	24.6	B31.12-IP-19
54(OCC)		57695.3	183400.5	31.5		43547.1	183400.5	23.7	B31.12-IP-19
2(Alt-SUS)	6180	0.0	0.0	0.0	6190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	6190	0.0	0.0	0.0	6200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6200	0.0	0.0	0.0	6210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6210	0.0	0.0	0.0	6220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6200	0.0	0.0	0.0	6230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6100	45034.1	137895.1	32.7	6240	35246.3	137895.1	25.6	B31.12-IP-19
4(Alt-SUS)		34184.0	137895.1	24.8		30940.8	137895.1	22.4	B31.12-IP-19
6(Alt-SUS)		32280.4	137895.1	23.4		29954.8	137895.1	21.7	B31.12-IP-19
8(Alt-SUS)		32347.7	137895.1	23.5		29996.6	137895.1	21.8	B31.12-IP-19
14(SUS)		32176.1	137895.1	23.3		29900.1	137895.1	21.7	B31.12-IP-19
24(EXP)		169233.4	299703.8	56.5		61394.9	309491.6	19.8	B31.12-IP-19
25(EXP)		53148.9	299703.8	17.7		18463.5	309491.6	6.0	B31.12-IP-19
26(EXP)		37258.0	299703.8	12.4		13022.3	309491.6	4.2	B31.12-IP-19
27(EXP)		131519.6	299703.8	43.9		45796.9	309491.6	14.8	B31.12-IP-19
28(EXP)		184667.5	299703.8	61.6		64259.7	309491.6	20.8	B31.12-IP-19
42(OCC)		32462.1	183400.5	17.7		30075.6	183400.5	16.4	B31.12-IP-19
43(OCC)		33209.8	183400.5	18.1		30502.2	183400.5	16.6	B31.12-IP-19
44(OCC)		33556.8	183400.5	18.3		30520.5	183400.5	16.6	B31.12-IP-19
45(OCC)		32685.0	183400.5	17.8		30144.3	183400.5	16.4	B31.12-IP-19
46(OCC)		32579.0	183400.5	17.8		30145.6	183400.5	16.4	B31.12-IP-19
47(OCC)		43594.5	183400.5	23.8		36305.2	183400.5	19.8	B31.12-IP-19
48(OCC)		41689.9	183400.5	22.7		35283.5	183400.5	19.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		41215.6	183400.5	22.5		33074.3	183400.5	18.0	B31.12-IP-19
50(OCC)		60066.0	183400.5	32.8		40743.3	183400.5	22.2	B31.12-IP-19
51(OCC)		39970.2	183400.5	21.8		34116.4	183400.5	18.6	B31.12-IP-19
52(OCC)		45168.9	183400.5	24.6		37051.1	183400.5	20.2	B31.12-IP-19
53(OCC)		36342.0	183400.5	19.8		32077.7	183400.5	17.5	B31.12-IP-19
54(OCC)		36303.1	183400.5	19.8		32072.2	183400.5	17.5	B31.12-IP-19
2(Alt-SUS)	6240	35246.3	137895.1	25.6	6250	36683.7	137895.1	26.6	B31.12-IP-19
4(Alt-SUS)		30940.8	137895.1	22.4		24916.9	137895.1	18.1	B31.12-IP-19
6(Alt-SUS)		29954.8	137895.1	21.7		21043.6	137895.1	15.3	B31.12-IP-19
8(Alt-SUS)		29996.6	137895.1	21.8		21227.1	137895.1	15.4	B31.12-IP-19
14(SUS)		29900.1	137895.1	21.7		20891.3	137895.1	15.2	B31.12-IP-19
24(EXP)		61394.9	309491.6	19.8		171789.2	308054.2	55.8	B31.12-IP-19
25(EXP)		18463.5	309491.6	6.0		50106.0	308054.2	16.3	B31.12-IP-19
26(EXP)		13022.3	309491.6	4.2		35356.5	308054.2	11.5	B31.12-IP-19
27(EXP)		45796.9	309491.6	14.8		124274.3	308054.2	40.3	B31.12-IP-19
28(EXP)		64259.7	309491.6	20.8		174377.5	308054.2	56.6	B31.12-IP-19
42(OCC)		30075.6	183400.5	16.4		21339.6	183400.5	11.6	B31.12-IP-19
43(OCC)		30502.2	183400.5	16.6		22625.2	183400.5	12.3	B31.12-IP-19
44(OCC)		30520.5	183400.5	16.6		22508.4	183400.5	12.3	B31.12-IP-19
45(OCC)		30144.3	183400.5	16.4		21573.3	183400.5	11.8	B31.12-IP-19
46(OCC)		30145.6	183400.5	16.4		21598.2	183400.5	11.8	B31.12-IP-19
47(OCC)		36305.2	183400.5	19.8		40600.7	183400.5	22.1	B31.12-IP-19
48(OCC)		35283.5	183400.5	19.2		35935.6	183400.5	19.6	B31.12-IP-19
49(OCC)		33074.3	183400.5	18.0		26872.7	183400.5	14.7	B31.12-IP-19
50(OCC)		40743.3	183400.5	22.2		46821.3	183400.5	25.5	B31.12-IP-19
51(OCC)		34116.4	183400.5	18.6		32514.4	183400.5	17.7	B31.12-IP-19
52(OCC)		37051.1	183400.5	20.2		43162.1	183400.5	23.5	B31.12-IP-19
53(OCC)		32077.7	183400.5	17.5		28258.0	183400.5	15.4	B31.12-IP-19
54(OCC)		32072.2	183400.5	17.5		28550.5	183400.5	15.6	B31.12-IP-19
2(Alt-SUS)	6250	0.0	0.0	0.0	6260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6260	0.0	0.0	0.0	6270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6270	0.0	0.0	0.0	6280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6280	19495.2	137895.1	14.1	6290	23859.0	137895.1	17.3	B31.12-IP-19
4(Alt-SUS)		27036.7	137895.1	19.6		47505.9	137895.1	34.5	B31.12-IP-19
6(Alt-SUS)		22924.1	137895.1	16.6		36842.8	137895.1	26.7	B31.12-IP-19
8(Alt-SUS)		23149.9	137895.1	16.8		37433.2	137895.1	27.1	B31.12-IP-19
14(SUS)		22983.8	137895.1	16.7		37064.8	137895.1	26.9	B31.12-IP-19
24(EXP)		71585.8	317701.1	22.5		164802.8	297231.9	55.4	B31.12-IP-19
25(EXP)		17880.2	317701.1	5.6		47583.1	297231.9	16.0	B31.12-IP-19
26(EXP)		13768.7	317701.1	4.3		36796.8	297231.9	12.4	B31.12-IP-19
27(EXP)		46448.5	317701.1	14.6		124117.8	297231.9	41.8	B31.12-IP-19
28(EXP)		64325.1	317701.1	20.2		171698.1	297231.9	57.8	B31.12-IP-19
42(OCC)		23744.6	183400.5	12.9		39412.0	183400.5	21.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		24004.8	183400.5	13.1		39327.1	183400.5	21.4	B31.12-IP-19
44(OCC)		24750.5	183400.5	13.5		41611.8	183400.5	22.7	B31.12-IP-19
45(OCC)		24019.9	183400.5	13.1		39599.6	183400.5	21.6	B31.12-IP-19
46(OCC)		23727.6	183400.5	12.9		38840.0	183400.5	21.2	B31.12-IP-19
47(OCC)		27044.1	183400.5	14.7		41395.2	183400.5	22.6	B31.12-IP-19
48(OCC)		29462.2	183400.5	16.1		61971.5	183400.5	33.8	B31.12-IP-19
49(OCC)		31468.9	183400.5	17.2		55987.6	183400.5	30.5	B31.12-IP-19
50(OCC)		27510.8	183400.5	15.0		48044.2	183400.5	26.2	B31.12-IP-19
51(OCC)		32308.4	183400.5	17.6		69827.9	183400.5	38.1	B31.12-IP-19
52(OCC)		28962.5	183400.5	15.8		42165.0	183400.5	23.0	B31.12-IP-19
53(OCC)		32415.7	183400.5	17.7		56935.5	183400.5	31.0	B31.12-IP-19
54(OCC)		32378.9	183400.5	17.7		57849.2	183400.5	31.5	B31.12-IP-19
2(Alt-SUS)	6290	0.0	0.0	0.0	6300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6300	0.0	0.0	0.0	6310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6310	0.0	0.0	0.0	6320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6170	25543.3	137895.1	18.5	6330	21614.3	137895.1	15.7	B31.12-IP-19
4(Alt-SUS)		24880.7	137895.1	18.0		21310.1	137895.1	15.5	B31.12-IP-19
6(Alt-SUS)		24622.6	137895.1	17.9		21197.5	137895.1	15.4	B31.12-IP-19
8(Alt-SUS)		24623.4	137895.1	17.9		21197.5	137895.1	15.4	B31.12-IP-19
14(SUS)		24668.7	137895.1	17.9		21219.6	137895.1	15.4	B31.12-IP-19
24(EXP)		81080.9	319194.5	25.4		26526.8	323123.5	8.2	B31.12-IP-19
25(EXP)		22699.6	319194.5	7.1		7441.6	323123.5	2.3	B31.12-IP-19
26(EXP)		16395.9	319194.5	5.1		5377.6	323123.5	1.7	B31.12-IP-19
27(EXP)		57335.2	319194.5	18.0		18810.2	323123.5	5.8	B31.12-IP-19
28(EXP)		80034.8	319194.5	25.1		26251.9	323123.5	8.1	B31.12-IP-19
42(OCC)		24930.4	183400.5	13.6		21343.2	183400.5	11.6	B31.12-IP-19
43(OCC)		24800.7	183400.5	13.5		21287.8	183400.5	11.6	B31.12-IP-19
44(OCC)		25209.3	183400.5	13.7		21425.6	183400.5	11.7	B31.12-IP-19
45(OCC)		25194.6	183400.5	13.7		21417.3	183400.5	11.7	B31.12-IP-19
46(OCC)		24713.5	183400.5	13.5		21242.3	183400.5	11.6	B31.12-IP-19
47(OCC)		39008.4	183400.5	21.3		27989.7	183400.5	15.3	B31.12-IP-19
48(OCC)		31988.6	183400.5	17.4		24968.8	183400.5	13.6	B31.12-IP-19
49(OCC)		29613.4	183400.5	16.1		23516.8	183400.5	12.8	B31.12-IP-19
50(OCC)		29822.5	183400.5	16.3		23866.5	183400.5	13.0	B31.12-IP-19
51(OCC)		35753.3	183400.5	19.5		26948.1	183400.5	14.7	B31.12-IP-19
52(OCC)		37947.1	183400.5	20.7		27355.1	183400.5	14.9	B31.12-IP-19
53(OCC)		27427.1	183400.5	15.0		22437.7	183400.5	12.2	B31.12-IP-19
54(OCC)		33873.2	183400.5	18.5		25777.8	183400.5	14.1	B31.12-IP-19
2(Alt-SUS)	6330	21614.3	137895.1	15.7	6338	19665.5	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		21310.1	137895.1	15.5		19569.4	137895.1	14.2	B31.12-IP-19
6(Alt-SUS)		21197.5	137895.1	15.4		19539.9	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21197.5	137895.1	15.4		19542.2	137895.1	14.2	B31.12-IP-19
14(SUS)		21219.6	137895.1	15.4		19539.0	137895.1	14.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		26526.8	323123.5	8.2		43502.2	325072.3	13.4	B31.12-IP-19
25(EXP)		7441.6	323123.5	2.3		12088.7	325072.3	3.7	B31.12-IP-19
26(EXP)		5377.6	323123.5	1.7		8709.5	325072.3	2.7	B31.12-IP-19
27(EXP)		18810.2	323123.5	5.8		30428.0	325072.3	9.4	B31.12-IP-19
28(EXP)		26251.9	323123.5	8.1		42516.7	325072.3	13.1	B31.12-IP-19
42(OCC)		21343.2	183400.5	11.6		19568.8	183400.5	10.7	B31.12-IP-19
43(OCC)		21287.8	183400.5	11.6		19570.1	183400.5	10.7	B31.12-IP-19
44(OCC)		21425.6	183400.5	11.7		19603.8	183400.5	10.7	B31.12-IP-19
45(OCC)		21417.3	183400.5	11.7		19592.7	183400.5	10.7	B31.12-IP-19
46(OCC)		21242.3	183400.5	11.6		19551.2	183400.5	10.7	B31.12-IP-19
47(OCC)		27989.7	183400.5	15.3		20539.9	183400.5	11.2	B31.12-IP-19
48(OCC)		24968.8	183400.5	13.6		21191.1	183400.5	11.6	B31.12-IP-19
49(OCC)		23516.8	183400.5	12.8		20591.9	183400.5	11.2	B31.12-IP-19
50(OCC)		23866.5	183400.5	13.0		20547.2	183400.5	11.2	B31.12-IP-19
51(OCC)		26948.1	183400.5	14.7		21168.4	183400.5	11.5	B31.12-IP-19
52(OCC)		27355.1	183400.5	14.9		20719.6	183400.5	11.3	B31.12-IP-19
53(OCC)		22437.7	183400.5	12.2		19884.6	183400.5	10.8	B31.12-IP-19
54(OCC)		25777.8	183400.5	14.1		21327.3	183400.5	11.6	B31.12-IP-19
2(Alt-SUS)	6338	19943.1	137895.1	14.5	6339	19876.9	137895.1	14.4	B31.12-IP-19
4(Alt-SUS)		19818.5	137895.1	14.4		19925.6	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19779.5	137895.1	14.3		19948.6	137895.1	14.5	B31.12-IP-19
8(Alt-SUS)		19782.5	137895.1	14.3		19948.0	137895.1	14.5	B31.12-IP-19
14(SUS)		19777.6	137895.1	14.3		19947.5	137895.1	14.5	B31.12-IP-19
24(EXP)		93280.0	324794.8	28.7		80548.3	324789.2	24.8	B31.12-IP-19
25(EXP)		25920.4	324794.8	8.0		22414.7	324789.2	6.9	B31.12-IP-19
26(EXP)		18674.9	324794.8	5.7		16154.3	324789.2	5.0	B31.12-IP-19
27(EXP)		65244.3	324794.8	20.1		56440.5	324789.2	17.4	B31.12-IP-19
28(EXP)		91164.7	324794.8	28.1		78855.3	324789.2	24.3	B31.12-IP-19
42(OCC)		19821.2	183400.5	10.8		19974.7	183400.5	10.9	B31.12-IP-19
43(OCC)		19810.4	183400.5	10.8		19982.9	183400.5	10.9	B31.12-IP-19
44(OCC)		19861.7	183400.5	10.8		20064.5	183400.5	10.9	B31.12-IP-19
45(OCC)		19836.2	183400.5	10.8		20064.7	183400.5	10.9	B31.12-IP-19
46(OCC)		19791.8	183400.5	10.8		19959.8	183400.5	10.9	B31.12-IP-19
47(OCC)		21028.4	183400.5	11.5		21814.4	183400.5	11.9	B31.12-IP-19
48(OCC)		21829.1	183400.5	11.9		21563.8	183400.5	11.8	B31.12-IP-19
49(OCC)		21270.6	183400.5	11.6		21541.7	183400.5	11.7	B31.12-IP-19
50(OCC)		21170.0	183400.5	11.5		21535.0	183400.5	11.7	B31.12-IP-19
51(OCC)		21973.5	183400.5	12.0		22895.4	183400.5	12.5	B31.12-IP-19
52(OCC)		21248.8	183400.5	11.6		20771.2	183400.5	11.3	B31.12-IP-19
53(OCC)		20130.0	183400.5	11.0		20430.7	183400.5	11.1	B31.12-IP-19
54(OCC)		22450.6	183400.5	12.2		22967.6	183400.5	12.5	B31.12-IP-19
2(Alt-SUS)	6339	19876.9	137895.1	14.4	6340	19202.8	137895.1	13.9	B31.12-IP-19
4(Alt-SUS)		19925.6	137895.1	14.4		19386.7	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19948.6	137895.1	14.5		19459.1	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19948.0	137895.1	14.5		19455.2	137895.1	14.1	B31.12-IP-19
14(SUS)		19947.5	137895.1	14.5		19459.4	137895.1	14.1	B31.12-IP-19
24(EXP)		80548.3	324789.2	24.8		19814.6	325278.5	6.1	B31.12-IP-19
25(EXP)		22414.7	324789.2	6.9		5587.0	325278.5	1.7	B31.12-IP-19
26(EXP)		16154.3	324789.2	5.0		4035.3	325278.5	1.2	B31.12-IP-19
27(EXP)		56440.5	324789.2	17.4		14095.3	325278.5	4.3	B31.12-IP-19
28(EXP)		78855.3	324789.2	24.3		19682.3	325278.5	6.1	B31.12-IP-19
42(OCC)		19974.7	183400.5	10.9		19478.0	183400.5	10.6	B31.12-IP-19
43(OCC)		19982.9	183400.5	10.9		19499.5	183400.5	10.6	B31.12-IP-19
44(OCC)		20064.5	183400.5	10.9		19563.8	183400.5	10.7	B31.12-IP-19
45(OCC)		20064.7	183400.5	10.9		19543.5	183400.5	10.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		19959.8	183400.5	10.9		19470.8	183400.5	10.6	B31.12-IP-19
47(OCC)		21814.4	183400.5	11.9		22288.3	183400.5	12.2	B31.12-IP-19
48(OCC)		21563.8	183400.5	11.8		21017.5	183400.5	11.5	B31.12-IP-19
49(OCC)		21541.7	183400.5	11.7		20720.5	183400.5	11.3	B31.12-IP-19
50(OCC)		21535.0	183400.5	11.7		20646.7	183400.5	11.3	B31.12-IP-19
51(OCC)		22895.4	183400.5	12.5		22969.0	183400.5	12.5	B31.12-IP-19
52(OCC)		20771.2	183400.5	11.3		20824.6	183400.5	11.4	B31.12-IP-19
53(OCC)		20430.7	183400.5	11.1		20050.1	183400.5	10.9	B31.12-IP-19
54(OCC)		22967.6	183400.5	12.5		21657.6	183400.5	11.8	B31.12-IP-19
2(Alt-SUS)	6340	19117.7	137895.1	13.9	6345	19657.5	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		19254.5	137895.1	14.0		19671.8	137895.1	14.3	B31.12-IP-19
6(Alt-SUS)		19307.9	137895.1	14.0		19693.3	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19305.0	137895.1	14.0		19690.9	137895.1	14.3	B31.12-IP-19
14(SUS)		19308.1	137895.1	14.0		19697.4	137895.1	14.3	B31.12-IP-19
24(EXP)		9261.0	325429.8	2.8		62564.0	325040.4	19.2	B31.12-IP-19
25(EXP)		2612.8	325429.8	0.8		17310.9	325040.4	5.3	B31.12-IP-19
26(EXP)		1886.4	325429.8	0.6		12461.0	325040.4	3.8	B31.12-IP-19
27(EXP)		6590.0	325429.8	2.0		43547.6	325040.4	13.4	B31.12-IP-19
28(EXP)		9202.9	325429.8	2.8		60858.5	325040.4	18.7	B31.12-IP-19
42(OCC)		19322.1	183400.5	10.5		19750.1	183400.5	10.8	B31.12-IP-19
43(OCC)		19336.3	183400.5	10.5		19787.8	183400.5	10.8	B31.12-IP-19
44(OCC)		19386.6	183400.5	10.6		19773.5	183400.5	10.8	B31.12-IP-19
45(OCC)		19373.8	183400.5	10.6		19807.5	183400.5	10.8	B31.12-IP-19
46(OCC)		19317.3	183400.5	10.5		19711.4	183400.5	10.7	B31.12-IP-19
47(OCC)		21135.3	183400.5	11.5		22602.3	183400.5	12.3	B31.12-IP-19
48(OCC)		20408.1	183400.5	11.1		22744.4	183400.5	12.4	B31.12-IP-19
49(OCC)		20396.9	183400.5	11.1		20727.4	183400.5	11.3	B31.12-IP-19
50(OCC)		20105.4	183400.5	11.0		19911.3	183400.5	10.9	B31.12-IP-19
51(OCC)		21605.3	183400.5	11.8		22373.5	183400.5	12.2	B31.12-IP-19
52(OCC)		20225.5	183400.5	11.0		22909.8	183400.5	12.5	B31.12-IP-19
53(OCC)		19755.3	183400.5	10.8		20264.7	183400.5	11.0	B31.12-IP-19
54(OCC)		20904.3	183400.5	11.4		20852.0	183400.5	11.4	B31.12-IP-19
2(Alt-SUS)	6345	19656.4	137895.1	14.3	6350	26805.3	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		19670.9	137895.1	14.3		26725.1	137895.1	19.4	B31.12-IP-19
6(Alt-SUS)		19693.3	137895.1	14.3		26668.2	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19691.0	137895.1	14.3		26674.9	137895.1	19.3	B31.12-IP-19
14(SUS)		19697.3	137895.1	14.3		26656.3	137895.1	19.3	B31.12-IP-19
24(EXP)		62564.0	325040.5	19.2		38737.7	317932.5	12.2	B31.12-IP-19
25(EXP)		17310.9	325040.5	5.3		11005.5	317932.5	3.5	B31.12-IP-19
26(EXP)		12461.0	325040.5	3.8		7952.6	317932.5	2.5	B31.12-IP-19
27(EXP)		43547.6	325040.5	13.4		27661.3	317932.5	8.7	B31.12-IP-19
28(EXP)		60858.5	325040.5	18.7		38666.7	317932.5	12.2	B31.12-IP-19
42(OCC)		19752.5	183400.5	10.8		27179.3	183400.5	14.8	B31.12-IP-19
43(OCC)		19825.5	183400.5	10.8		27174.6	183400.5	14.8	B31.12-IP-19
44(OCC)		19807.4	183400.5	10.8		26805.9	183400.5	14.6	B31.12-IP-19
45(OCC)		19806.7	183400.5	10.8		26952.8	183400.5	14.7	B31.12-IP-19
46(OCC)		19711.6	183400.5	10.7		26666.5	183400.5	14.5	B31.12-IP-19
47(OCC)		22766.7	183400.5	12.4		33827.3	183400.5	18.4	B31.12-IP-19
48(OCC)		23443.7	183400.5	12.8		39059.5	183400.5	21.3	B31.12-IP-19
49(OCC)		21170.9	183400.5	11.5		29109.6	183400.5	15.9	B31.12-IP-19
50(OCC)		20198.5	183400.5	11.0		33648.9	183400.5	18.3	B31.12-IP-19
51(OCC)		22617.6	183400.5	12.3		38473.9	183400.5	21.0	B31.12-IP-19
52(OCC)		23408.5	183400.5	12.8		34334.9	183400.5	18.7	B31.12-IP-19
53(OCC)		20863.2	183400.5	11.4		33757.8	183400.5	18.4	B31.12-IP-19
54(OCC)		21095.2	183400.5	11.5		28393.8	183400.5	15.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	6350	26805.3	137895.1	19.4	6358	19286.6	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		26725.1	137895.1	19.4		19238.4	137895.1	14.0	B31.12-IP-19
6(Alt-SUS)		26668.2	137895.1	19.3		19219.2	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26674.9	137895.1	19.3		19220.9	137895.1	13.9	B31.12-IP-19
14(SUS)		26656.0	137895.1	19.3		19217.1	137895.1	13.9	B31.12-IP-19
24(EXP)		38737.7	317932.6	12.2		6217.2	325451.2	1.9	B31.12-IP-19
25(EXP)		11005.5	317932.6	3.5		1773.8	325451.2	0.5	B31.12-IP-19
26(EXP)		7952.6	317932.6	2.5		1276.1	325451.2	0.4	B31.12-IP-19
27(EXP)		27661.3	317932.6	8.7		4374.5	325451.2	1.3	B31.12-IP-19
28(EXP)		38666.7	317932.6	12.2		6148.2	325451.2	1.9	B31.12-IP-19
42(OCC)		27184.5	183400.5	14.8		19262.8	183400.5	10.5	B31.12-IP-19
43(OCC)		27140.5	183400.5	14.8		19268.9	183400.5	10.5	B31.12-IP-19
44(OCC)		26787.7	183400.5	14.6		19517.3	183400.5	10.6	B31.12-IP-19
45(OCC)		26977.5	183400.5	14.7		19479.0	183400.5	10.6	B31.12-IP-19
46(OCC)		26666.1	183400.5	14.5		19223.2	183400.5	10.5	B31.12-IP-19
47(OCC)		33630.5	183400.5	18.3		20339.3	183400.5	11.1	B31.12-IP-19
48(OCC)		38525.7	183400.5	21.0		20321.6	183400.5	11.1	B31.12-IP-19
49(OCC)		28908.9	183400.5	15.8		23435.7	183400.5	12.8	B31.12-IP-19
50(OCC)		33806.3	183400.5	18.4		22824.8	183400.5	12.4	B31.12-IP-19
51(OCC)		38241.6	183400.5	20.9		20937.5	183400.5	11.4	B31.12-IP-19
52(OCC)		33996.9	183400.5	18.5		19960.9	183400.5	10.9	B31.12-IP-19
53(OCC)		33825.4	183400.5	18.4		23219.6	183400.5	12.7	B31.12-IP-19
54(OCC)		28293.6	183400.5	15.4		23204.0	183400.5	12.7	B31.12-IP-19
2(Alt-SUS)	6358	19428.5	137895.1	14.1	6359	23075.3	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19365.4	137895.1	14.0		23066.7	137895.1	16.7	B31.12-IP-19
6(Alt-SUS)		19340.2	137895.1	14.0		23049.5	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19342.4	137895.1	14.0		23053.7	137895.1	16.7	B31.12-IP-19
14(SUS)		19337.6	137895.1	14.0		23038.7	137895.1	16.7	B31.12-IP-19
24(EXP)		13290.8	325309.3	4.1		54923.1	321662.5	17.1	B31.12-IP-19
25(EXP)		3789.7	325309.3	1.2		15574.3	321662.5	4.8	B31.12-IP-19
26(EXP)		2728.2	325309.3	0.8		11239.9	321662.5	3.5	B31.12-IP-19
27(EXP)		9348.6	325309.3	2.9		38964.3	321662.5	12.1	B31.12-IP-19
28(EXP)		13138.3	325309.3	4.0		54538.6	321662.5	17.0	B31.12-IP-19
42(OCC)		19404.8	183400.5	10.6		23304.3	183400.5	12.7	B31.12-IP-19
43(OCC)		19417.0	183400.5	10.6		23280.4	183400.5	12.7	B31.12-IP-19
44(OCC)		19728.0	183400.5	10.8		23529.6	183400.5	12.8	B31.12-IP-19
45(OCC)		19677.1	183400.5	10.7		23297.2	183400.5	12.7	B31.12-IP-19
46(OCC)		19344.1	183400.5	10.5		23045.7	183400.5	12.6	B31.12-IP-19
47(OCC)		20977.2	183400.5	11.4		26878.9	183400.5	14.7	B31.12-IP-19
48(OCC)		20686.2	183400.5	11.3		31829.7	183400.5	17.4	B31.12-IP-19
49(OCC)		24773.6	183400.5	13.5		30210.2	183400.5	16.5	B31.12-IP-19
50(OCC)		24022.6	183400.5	13.1		25316.8	183400.5	13.8	B31.12-IP-19
51(OCC)		21814.3	183400.5	11.9		30224.9	183400.5	16.5	B31.12-IP-19
52(OCC)		20211.0	183400.5	11.0		28764.9	183400.5	15.7	B31.12-IP-19
53(OCC)		24565.3	183400.5	13.4		25571.2	183400.5	13.9	B31.12-IP-19
54(OCC)		24519.5	183400.5	13.4		29858.7	183400.5	16.3	B31.12-IP-19
2(Alt-SUS)	6359	23075.3	137895.1	16.7	6360	24658.6	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23066.7	137895.1	16.7		24695.6	137895.1	17.9	B31.12-IP-19
6(Alt-SUS)		23049.5	137895.1	16.7		24689.1	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23053.7	137895.1	16.7		24693.6	137895.1	17.9	B31.12-IP-19
14(SUS)		23038.7	137895.1	16.7		24674.9	137895.1	17.9	B31.12-IP-19
24(EXP)		54923.1	321662.5	17.1		72111.8	320042.3	22.5	B31.12-IP-19
25(EXP)		15574.3	321662.5	4.8		20346.7	320042.3	6.4	B31.12-IP-19
26(EXP)		11239.9	321662.5	3.5		14685.2	320042.3	4.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		38964.3	321662.5	12.1		51098.6	320042.3	16.0	B31.12-IP-19
28(EXP)		54538.6	321662.5	17.0		71445.3	320042.3	22.3	B31.12-IP-19
42(OCC)		23304.3	183400.5	12.7		25020.3	183400.5	13.6	B31.12-IP-19
43(OCC)		23280.4	183400.5	12.7		25024.2	183400.5	13.6	B31.12-IP-19
44(OCC)		23529.6	183400.5	12.8		25232.1	183400.5	13.8	B31.12-IP-19
45(OCC)		23297.2	183400.5	12.7		24919.8	183400.5	13.6	B31.12-IP-19
46(OCC)		23045.7	183400.5	12.6		24682.8	183400.5	13.5	B31.12-IP-19
47(OCC)		26878.9	183400.5	14.7		30929.5	183400.5	16.9	B31.12-IP-19
48(OCC)		31829.7	183400.5	17.4		36983.1	183400.5	20.2	B31.12-IP-19
49(OCC)		30210.2	183400.5	16.5		32828.9	183400.5	17.9	B31.12-IP-19
50(OCC)		25316.8	183400.5	13.8		29512.0	183400.5	16.1	B31.12-IP-19
51(OCC)		30224.9	183400.5	16.5		36280.7	183400.5	19.8	B31.12-IP-19
52(OCC)		28764.9	183400.5	15.7		31706.1	183400.5	17.3	B31.12-IP-19
53(OCC)		25571.2	183400.5	13.9		28956.3	183400.5	15.8	B31.12-IP-19
54(OCC)		29858.7	183400.5	16.3		32471.6	183400.5	17.7	B31.12-IP-19
2(Alt-SUS)	6360	23368.1	137895.1	16.9	6370	23612.7	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23390.7	137895.1	17.0		23632.2	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23382.5	137895.1	17.0		23621.9	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23386.3	137895.1	17.0		23626.0	137895.1	17.1	B31.12-IP-19
14(SUS)		23370.8	137895.1	16.9		23609.9	137895.1	17.1	B31.12-IP-19
24(EXP)		33624.6	321347.2	10.5		33622.0	321105.7	10.5	B31.12-IP-19
25(EXP)		9488.1	321347.2	3.0		9483.7	321105.7	3.0	B31.12-IP-19
26(EXP)		6847.5	321347.2	2.1		6844.3	321105.7	2.1	B31.12-IP-19
27(EXP)		23827.6	321347.2	7.4		23822.1	321105.7	7.4	B31.12-IP-19
28(EXP)		33315.7	321347.2	10.4		33305.7	321105.7	10.4	B31.12-IP-19
42(OCC)		23614.5	183400.5	12.9		23852.9	183400.5	13.0	B31.12-IP-19
43(OCC)		23640.0	183400.5	12.9		23882.3	183400.5	13.0	B31.12-IP-19
44(OCC)		23871.8	183400.5	13.0		24116.9	183400.5	13.1	B31.12-IP-19
45(OCC)		23583.5	183400.5	12.9		23827.9	183400.5	13.0	B31.12-IP-19
46(OCC)		23377.4	183400.5	12.7		23616.4	183400.5	12.9	B31.12-IP-19
47(OCC)		27799.5	183400.5	15.2		28082.1	183400.5	15.3	B31.12-IP-19
48(OCC)		33496.0	183400.5	18.3		33908.9	183400.5	18.5	B31.12-IP-19
49(OCC)		30779.0	183400.5	16.8		31106.6	183400.5	17.0	B31.12-IP-19
50(OCC)		26710.4	183400.5	14.6		27104.5	183400.5	14.8	B31.12-IP-19
51(OCC)		33057.6	183400.5	18.0		33503.5	183400.5	18.3	B31.12-IP-19
52(OCC)		28320.9	183400.5	15.4		28548.3	183400.5	15.6	B31.12-IP-19
53(OCC)		26442.0	183400.5	14.4		26860.7	183400.5	14.6	B31.12-IP-19
54(OCC)		30356.8	183400.5	16.6		30663.0	183400.5	16.7	B31.12-IP-19
2(Alt-SUS)	6370	0.0	0.0	0.0	6380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6380	0.0	0.0	0.0	6390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6390	0.0	0.0	0.0	6400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6400	0.0	0.0	0.0	6410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6390	0.0	0.0	0.0	6420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6320	0.0	0.0	0.0	6430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6430	1831.3	137895.1	1.3	6440	3047.0	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		14203.6	137895.1	10.3		9475.2	137895.1	6.9	B31.12-IP-19
6(Alt-SUS)		26546.9	137895.1	19.3		13551.7	137895.1	9.8	B31.12-IP-19
8(Alt-SUS)		25868.3	137895.1	18.8		13328.0	137895.1	9.7	B31.12-IP-19
14(SUS)		26526.5	137895.1	19.2		13565.7	137895.1	9.8	B31.12-IP-19
24(EXP)		31392.5	318190.9	9.9		7459.6	331172.2	2.3	B31.12-IP-19
25(EXP)		8065.1	318190.9	2.5		1227.6	331172.2	0.4	B31.12-IP-19
26(EXP)		7677.1	318190.9	2.4		665.5	331172.2	0.2	B31.12-IP-19
27(EXP)		24010.6	318190.9	7.5		2258.7	331172.2	0.7	B31.12-IP-19
28(EXP)		32046.7	318190.9	10.1		3412.9	331172.2	1.0	B31.12-IP-19
42(OCC)		28368.6	183400.5	15.5		14072.0	183400.5	7.7	B31.12-IP-19
43(OCC)		28182.5	183400.5	15.4		14168.7	183400.5	7.7	B31.12-IP-19
44(OCC)		29338.0	183400.5	16.0		14415.5	183400.5	7.9	B31.12-IP-19
45(OCC)		28439.2	183400.5	15.5		14186.7	183400.5	7.7	B31.12-IP-19
46(OCC)		29894.8	183400.5	16.3		14660.6	183400.5	8.0	B31.12-IP-19
47(OCC)		51063.0	183400.5	27.8		21055.9	183400.5	11.5	B31.12-IP-19
48(OCC)		37107.5	183400.5	20.2		20355.1	183400.5	11.1	B31.12-IP-19
49(OCC)		42068.7	183400.5	22.9		20091.3	183400.5	11.0	B31.12-IP-19
50(OCC)		54307.3	183400.5	29.6		23542.0	183400.5	12.8	B31.12-IP-19
51(OCC)		28579.3	183400.5	15.6		17464.7	183400.5	9.5	B31.12-IP-19
52(OCC)		45037.7	183400.5	24.6		18974.6	183400.5	10.3	B31.12-IP-19
53(OCC)		40054.6	183400.5	21.8		19401.3	183400.5	10.6	B31.12-IP-19
54(OCC)		36287.3	183400.5	19.8		17843.0	183400.5	9.7	B31.12-IP-19
2(Alt-SUS)	6440	3060.7	137895.1	2.2	6445	3373.6	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		9720.1	137895.1	7.0		13249.2	137895.1	9.6	B31.12-IP-19
6(Alt-SUS)		13876.7	137895.1	10.1		18557.2	137895.1	13.5	B31.12-IP-19
8(Alt-SUS)		13648.6	137895.1	9.9		18266.1	137895.1	13.2	B31.12-IP-19
14(SUS)		13891.8	137895.1	10.1		18587.5	137895.1	13.5	B31.12-IP-19
24(EXP)		7459.6	330846.1	2.3		10256.7	326150.3	3.1	B31.12-IP-19
25(EXP)		1227.6	330846.1	0.4		3131.6	326150.3	1.0	B31.12-IP-19
26(EXP)		665.5	330846.1	0.2		1496.3	326150.3	0.5	B31.12-IP-19
27(EXP)		2258.7	330846.1	0.7		6164.4	326150.3	1.9	B31.12-IP-19
28(EXP)		3412.9	330846.1	1.0		9291.3	326150.3	2.8	B31.12-IP-19
42(OCC)		14393.9	183400.5	7.8		19161.1	183400.5	10.4	B31.12-IP-19
43(OCC)		14509.3	183400.5	7.9		19402.8	183400.5	10.6	B31.12-IP-19
44(OCC)		14729.3	183400.5	8.0		19599.9	183400.5	10.7	B31.12-IP-19
45(OCC)		14501.9	183400.5	7.9		19358.2	183400.5	10.6	B31.12-IP-19
46(OCC)		15004.4	183400.5	8.2		19556.0	183400.5	10.7	B31.12-IP-19
47(OCC)		21273.2	183400.5	11.6		27773.3	183400.5	15.1	B31.12-IP-19
48(OCC)		20949.2	183400.5	11.4		29276.0	183400.5	16.0	B31.12-IP-19
49(OCC)		20272.0	183400.5	11.1		27657.7	183400.5	15.1	B31.12-IP-19
50(OCC)		23645.9	183400.5	12.9		31559.1	183400.5	17.2	B31.12-IP-19
51(OCC)		18003.3	183400.5	9.8		25527.9	183400.5	13.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		19234.8	183400.5	10.5		25126.3	183400.5	13.7	B31.12-IP-19
53(OCC)		19576.1	183400.5	10.7		26787.3	183400.5	14.6	B31.12-IP-19
54(OCC)		18073.8	183400.5	9.9		24737.1	183400.5	13.5	B31.12-IP-19
2(Alt-SUS)	6445	3547.7	137895.1	2.6	6451	3682.4	137895.1	2.7	B31.12-IP-19
4(Alt-SUS)		13283.8	137895.1	9.6		4793.4	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		18674.6	137895.1	13.5		4472.8	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		18379.1	137895.1	13.3		4489.9	137895.1	3.3	B31.12-IP-19
14(SUS)		18702.3	137895.1	13.6		4472.2	137895.1	3.2	B31.12-IP-19
24(EXP)		10256.7	326035.6	3.1		10184.8	339944.4	3.0	B31.12-IP-19
25(EXP)		3131.6	326035.6	1.0		1693.5	339944.4	0.5	B31.12-IP-19
26(EXP)		1496.3	326035.6	0.5		1219.7	339944.4	0.4	B31.12-IP-19
27(EXP)		6164.4	326035.6	1.9		4232.3	339944.4	1.2	B31.12-IP-19
28(EXP)		9291.3	326035.6	2.8		5922.9	339944.4	1.7	B31.12-IP-19
42(OCC)		19270.3	183400.5	10.5		4533.1	183400.5	2.5	B31.12-IP-19
43(OCC)		19537.3	183400.5	10.7		4673.9	183400.5	2.5	B31.12-IP-19
44(OCC)		19723.6	183400.5	10.8		4740.7	183400.5	2.6	B31.12-IP-19
45(OCC)		19483.5	183400.5	10.6		4605.5	183400.5	2.5	B31.12-IP-19
46(OCC)		18845.6	183400.5	10.3		4568.3	183400.5	2.5	B31.12-IP-19
47(OCC)		27829.2	183400.5	15.2		5058.6	183400.5	2.8	B31.12-IP-19
48(OCC)		29132.4	183400.5	15.9		5585.4	183400.5	3.0	B31.12-IP-19
49(OCC)		27843.3	183400.5	15.2		5535.3	183400.5	3.0	B31.12-IP-19
50(OCC)		31807.8	183400.5	17.3		5346.5	183400.5	2.9	B31.12-IP-19
51(OCC)		25441.6	183400.5	13.9		5930.5	183400.5	3.2	B31.12-IP-19
52(OCC)		25129.2	183400.5	13.7		5246.3	183400.5	2.9	B31.12-IP-19
53(OCC)		26952.3	183400.5	14.7		5642.1	183400.5	3.1	B31.12-IP-19
54(OCC)		24869.9	183400.5	13.6		5645.4	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	6451	4609.0	137895.1	3.3	6449	4764.6	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		7123.2	137895.1	5.2		4465.7	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		6254.8	137895.1	4.5		9100.0	137895.1	6.6	B31.12-IP-19
8(Alt-SUS)		6301.1	137895.1	4.6		8847.7	137895.1	6.4	B31.12-IP-19
14(SUS)		6253.5	137895.1	4.5		9119.1	137895.1	6.6	B31.12-IP-19
24(EXP)		30295.2	337614.6	9.0		43616.1	335618.7	13.0	B31.12-IP-19
25(EXP)		4770.4	337614.6	1.4		7051.4	335618.7	2.1	B31.12-IP-19
26(EXP)		3386.1	337614.6	1.0		4701.5	335618.7	1.4	B31.12-IP-19
27(EXP)		11842.6	337614.6	3.5		16648.4	335618.7	5.0	B31.12-IP-19
28(EXP)		16610.4	337614.6	4.9		23673.9	335618.7	7.1	B31.12-IP-19
42(OCC)		6340.8	183400.5	3.5		9543.3	183400.5	5.2	B31.12-IP-19
43(OCC)		6599.9	183400.5	3.6		9954.3	183400.5	5.4	B31.12-IP-19
44(OCC)		6583.3	183400.5	3.6		10222.0	183400.5	5.6	B31.12-IP-19
45(OCC)		6454.9	183400.5	3.5		9838.3	183400.5	5.4	B31.12-IP-19
46(OCC)		6475.9	183400.5	3.5		9299.8	183400.5	5.1	B31.12-IP-19
47(OCC)		7093.7	183400.5	3.9		13203.2	183400.5	7.2	B31.12-IP-19
48(OCC)		8570.6	183400.5	4.7		14031.2	183400.5	7.7	B31.12-IP-19
49(OCC)		8272.9	183400.5	4.5		13288.9	183400.5	7.2	B31.12-IP-19
50(OCC)		7281.1	183400.5	4.0		17828.8	183400.5	9.7	B31.12-IP-19
51(OCC)		9290.3	183400.5	5.1		10800.2	183400.5	5.9	B31.12-IP-19
52(OCC)		7547.8	183400.5	4.1		11038.1	183400.5	6.0	B31.12-IP-19
53(OCC)		8695.9	183400.5	4.7		11821.4	183400.5	6.4	B31.12-IP-19
54(OCC)		8708.7	183400.5	4.7		10380.7	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	6449	4764.6	137895.1	3.5	6450	4661.0	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		4465.7	137895.1	3.2		6276.9	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		9100.0	137895.1	6.6		11710.4	137895.1	8.5	B31.12-IP-19
8(Alt-SUS)		8847.7	137895.1	6.4		11412.0	137895.1	8.3	B31.12-IP-19
14(SUS)		9119.1	137895.1	6.6		11739.0	137895.1	8.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		43616.1	335618.7	13.0		40837.6	332998.9	12.3	B31.12-IP-19
25(EXP)		7051.4	335618.7	2.1		6574.7	332998.9	2.0	B31.12-IP-19
26(EXP)		4701.5	335618.7	1.4		4069.4	332998.9	1.2	B31.12-IP-19
27(EXP)		16648.4	335618.7	5.0		14828.0	332998.9	4.5	B31.12-IP-19
28(EXP)		23673.9	335618.7	7.1		21371.2	332998.9	6.4	B31.12-IP-19
42(OCC)		9543.3	183400.5	5.2		12514.3	183400.5	6.8	B31.12-IP-19
43(OCC)		9954.3	183400.5	5.4		12468.8	183400.5	6.8	B31.12-IP-19
44(OCC)		10222.0	183400.5	5.6		13135.5	183400.5	7.2	B31.12-IP-19
45(OCC)		9838.3	183400.5	5.4		12598.1	183400.5	6.9	B31.12-IP-19
46(OCC)		9299.8	183400.5	5.1		11886.7	183400.5	6.5	B31.12-IP-19
47(OCC)		13203.2	183400.5	7.2		14292.2	183400.5	7.8	B31.12-IP-19
48(OCC)		14031.2	183400.5	7.7		21293.7	183400.5	11.6	B31.12-IP-19
49(OCC)		13288.9	183400.5	7.2		17202.1	183400.5	9.4	B31.12-IP-19
50(OCC)		17828.8	183400.5	9.7		22494.8	183400.5	12.3	B31.12-IP-19
51(OCC)		10800.2	183400.5	5.9		17526.6	183400.5	9.6	B31.12-IP-19
52(OCC)		11038.1	183400.5	6.0		12965.2	183400.5	7.1	B31.12-IP-19
53(OCC)		11821.4	183400.5	6.4		16076.3	183400.5	8.8	B31.12-IP-19
54(OCC)		10380.7	183400.5	5.7		14934.0	183400.5	8.1	B31.12-IP-19
2(Alt-SUS)	6450	3694.2	137895.1	2.7	6460	3686.4	137895.1	2.7	B31.12-IP-19
4(Alt-SUS)		4720.3	137895.1	3.4		4706.1	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		7256.2	137895.1	5.3		7218.7	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		7117.0	137895.1	5.2		7080.7	137895.1	5.1	B31.12-IP-19
14(SUS)		7269.5	137895.1	5.3		7232.0	137895.1	5.2	B31.12-IP-19
24(EXP)		15415.9	337468.4	4.6		15324.0	337505.8	4.5	B31.12-IP-19
25(EXP)		2684.0	337468.4	0.8		2663.6	337505.8	0.8	B31.12-IP-19
26(EXP)		1893.1	337468.4	0.6		1887.5	337505.8	0.6	B31.12-IP-19
27(EXP)		6526.5	337468.4	1.9		6492.4	337505.8	1.9	B31.12-IP-19
28(EXP)		9194.9	337468.4	2.7		9140.1	337505.8	2.7	B31.12-IP-19
42(OCC)		7627.8	183400.5	4.2		7597.2	183400.5	4.1	B31.12-IP-19
43(OCC)		7654.6	183400.5	4.2		7612.0	183400.5	4.2	B31.12-IP-19
44(OCC)		8010.5	183400.5	4.4		7980.8	183400.5	4.4	B31.12-IP-19
45(OCC)		7705.4	183400.5	4.2		7669.1	183400.5	4.2	B31.12-IP-19
46(OCC)		7334.4	183400.5	4.0		7296.3	183400.5	4.0	B31.12-IP-19
47(OCC)		8681.5	183400.5	4.7		8536.0	183400.5	4.7	B31.12-IP-19
48(OCC)		11691.4	183400.5	6.4		11710.0	183400.5	6.4	B31.12-IP-19
49(OCC)		9920.8	183400.5	5.4		9858.5	183400.5	5.4	B31.12-IP-19
50(OCC)		12395.3	183400.5	6.8		12316.5	183400.5	6.7	B31.12-IP-19
51(OCC)		9936.5	183400.5	5.4		9973.0	183400.5	5.4	B31.12-IP-19
52(OCC)		8079.4	183400.5	4.4		8101.5	183400.5	4.4	B31.12-IP-19
53(OCC)		9428.7	183400.5	5.1		9395.8	183400.5	5.1	B31.12-IP-19
54(OCC)		9004.1	183400.5	4.9		9010.6	183400.5	4.9	B31.12-IP-19
2(Alt-SUS)	6460	0.0	0.0	0.0	6470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6470	0.0	0.0	0.0	6480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6480	0.0	0.0	0.0	6490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	6490	2360.2	137895.1	1.7	6500	2168.7	137895.1	1.6	B31.12-IP-19
4(Alt-SUS)		2979.8	137895.1	2.2		2843.2	137895.1	2.1	B31.12-IP-19
6(Alt-SUS)		4039.7	137895.1	2.9		3388.6	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		3973.7	137895.1	2.9		3336.1	137895.1	2.4	B31.12-IP-19
14(SUS)		4069.3	137895.1	3.0		3463.0	137895.1	2.5	B31.12-IP-19
24(EXP)		16766.9	340668.5	4.9		21931.0	341274.8	6.4	B31.12-IP-19
25(EXP)		2431.9	340668.5	0.7		3120.0	341274.8	0.9	B31.12-IP-19
26(EXP)		2371.5	340668.5	0.7		3058.8	341274.8	0.9	B31.12-IP-19
27(EXP)		7124.7	340668.5	2.1		9160.9	341274.8	2.7	B31.12-IP-19
28(EXP)		9548.0	340668.5	2.8		12272.5	341274.8	3.6	B31.12-IP-19
42(OCC)		5093.4	183400.5	2.8		5015.6	183400.5	2.7	B31.12-IP-19
43(OCC)		5157.0	183400.5	2.8		5286.6	183400.5	2.9	B31.12-IP-19
44(OCC)		5741.1	183400.5	3.1		5868.7	183400.5	3.2	B31.12-IP-19
45(OCC)		5022.7	183400.5	2.7		4947.8	183400.5	2.7	B31.12-IP-19
46(OCC)		4094.7	183400.5	2.2		3485.8	183400.5	1.9	B31.12-IP-19
47(OCC)		4848.1	183400.5	2.6		5146.3	183400.5	2.8	B31.12-IP-19
48(OCC)		6237.1	183400.5	3.4		5542.7	183400.5	3.0	B31.12-IP-19
49(OCC)		8429.0	183400.5	4.6		12895.1	183400.5	7.0	B31.12-IP-19
50(OCC)		11773.4	183400.5	6.4		17172.4	183400.5	9.4	B31.12-IP-19
51(OCC)		5961.5	183400.5	3.3		5569.6	183400.5	3.0	B31.12-IP-19
52(OCC)		5370.8	183400.5	2.9		5586.3	183400.5	3.0	B31.12-IP-19
53(OCC)		6305.0	183400.5	3.4		10081.1	183400.5	5.5	B31.12-IP-19
54(OCC)		5102.4	183400.5	2.8		8522.2	183400.5	4.6	B31.12-IP-19
2(Alt-SUS)	6500	3207.8	137895.1	2.3	6510	3167.3	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3309.4	137895.1	2.4		3304.4	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3440.2	137895.1	2.5		3300.1	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3410.8	137895.1	2.5		3301.3	137895.1	2.4	B31.12-IP-19
14(SUS)		3511.6	137895.1	2.5		3286.5	137895.1	2.4	B31.12-IP-19
24(EXP)		21931.0	341226.3	6.4		8644.4	341433.5	2.5	B31.12-IP-19
25(EXP)		3120.0	341226.3	0.9		1953.1	341433.5	0.6	B31.12-IP-19
26(EXP)		3058.8	341226.3	0.9		1501.1	341433.5	0.4	B31.12-IP-19
27(EXP)		9160.9	341226.3	2.7		5061.3	341433.5	1.5	B31.12-IP-19
28(EXP)		12272.5	341226.3	3.6		7011.2	341433.5	2.1	B31.12-IP-19
42(OCC)		5028.2	183400.5	2.7		3759.0	183400.5	2.0	B31.12-IP-19
43(OCC)		5277.6	183400.5	2.9		3844.5	183400.5	2.1	B31.12-IP-19
44(OCC)		5857.4	183400.5	3.2		3900.0	183400.5	2.1	B31.12-IP-19
45(OCC)		4946.2	183400.5	2.7		3612.9	183400.5	2.0	B31.12-IP-19
46(OCC)		3532.4	183400.5	1.9		3295.3	183400.5	1.8	B31.12-IP-19
47(OCC)		5123.1	183400.5	2.8		3784.9	183400.5	2.1	B31.12-IP-19
48(OCC)		5452.9	183400.5	3.0		4044.6	183400.5	2.2	B31.12-IP-19
49(OCC)		12843.6	183400.5	7.0		6167.7	183400.5	3.4	B31.12-IP-19
50(OCC)		16823.6	183400.5	9.2		9593.1	183400.5	5.2	B31.12-IP-19
51(OCC)		5552.6	183400.5	3.0		3989.8	183400.5	2.2	B31.12-IP-19
52(OCC)		5606.1	183400.5	3.1		3961.3	183400.5	2.2	B31.12-IP-19
53(OCC)		10206.9	183400.5	5.6		5489.6	183400.5	3.0	B31.12-IP-19
54(OCC)		8422.8	183400.5	4.6		5042.3	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	6510	3167.0	137895.1	2.3	6518	3232.0	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3304.4	137895.1	2.4		3307.8	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3300.2	137895.1	2.4		3349.7	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3301.5	137895.1	2.4		3325.2	137895.1	2.4	B31.12-IP-19
14(SUS)		3286.6	137895.1	2.4		3369.6	137895.1	2.4	B31.12-IP-19
24(EXP)		8644.4	341433.4	2.5		12903.7	341368.2	3.8	B31.12-IP-19
25(EXP)		1953.1	341433.4	0.6		3022.4	341368.2	0.9	B31.12-IP-19
26(EXP)		1501.1	341433.4	0.4		2457.5	341368.2	0.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		5061.3	341433.4	1.5		8099.2	341368.2	2.4	B31.12-IP-19
28(EXP)		7011.2	341433.4	2.1		11121.5	341368.2	3.3	B31.12-IP-19
42(OCC)		3759.1	183400.5	2.0		3461.3	183400.5	1.9	B31.12-IP-19
43(OCC)		3844.7	183400.5	2.1		3526.0	183400.5	1.9	B31.12-IP-19
44(OCC)		3900.4	183400.5	2.1		3803.8	183400.5	2.1	B31.12-IP-19
45(OCC)		3613.2	183400.5	2.0		3596.8	183400.5	2.0	B31.12-IP-19
46(OCC)		3295.3	183400.5	1.8		3388.7	183400.5	1.8	B31.12-IP-19
47(OCC)		3785.0	183400.5	2.1		3564.3	183400.5	1.9	B31.12-IP-19
48(OCC)		4044.7	183400.5	2.2		3769.2	183400.5	2.1	B31.12-IP-19
49(OCC)		6169.2	183400.5	3.4		4171.1	183400.5	2.3	B31.12-IP-19
50(OCC)		9594.7	183400.5	5.2		5888.9	183400.5	3.2	B31.12-IP-19
51(OCC)		3989.6	183400.5	2.2		3734.8	183400.5	2.0	B31.12-IP-19
52(OCC)		3961.3	183400.5	2.2		3699.4	183400.5	2.0	B31.12-IP-19
53(OCC)		5490.7	183400.5	3.0		3638.3	183400.5	2.0	B31.12-IP-19
54(OCC)		5041.8	183400.5	2.7		3703.7	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	6518	3443.5	137895.1	2.5	6519	3604.6	137895.1	2.6	B31.12-IP-19
4(Alt-SUS)		3575.6	137895.1	2.6		3382.3	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3705.6	137895.1	2.7		3904.1	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3642.3	137895.1	2.6		3815.8	137895.1	2.8	B31.12-IP-19
14(SUS)		3757.0	137895.1	2.7		3992.9	137895.1	2.9	B31.12-IP-19
24(EXP)		32144.0	340980.9	9.4		45012.6	340744.9	13.2	B31.12-IP-19
25(EXP)		7914.5	340980.9	2.3		9896.8	340744.9	2.9	B31.12-IP-19
26(EXP)		6453.4	340980.9	1.9		8350.2	340744.9	2.5	B31.12-IP-19
27(EXP)		21265.8	340980.9	6.2		27031.4	340744.9	7.9	B31.12-IP-19
28(EXP)		29180.1	340980.9	8.6		36927.6	340744.9	10.8	B31.12-IP-19
42(OCC)		3898.0	183400.5	2.1		4275.8	183400.5	2.3	B31.12-IP-19
43(OCC)		4008.5	183400.5	2.2		4473.5	183400.5	2.4	B31.12-IP-19
44(OCC)		4550.8	183400.5	2.5		5482.8	183400.5	3.0	B31.12-IP-19
45(OCC)		4186.3	183400.5	2.3		4770.2	183400.5	2.6	B31.12-IP-19
46(OCC)		3798.0	183400.5	2.1		4042.5	183400.5	2.2	B31.12-IP-19
47(OCC)		4185.4	183400.5	2.3		4613.7	183400.5	2.5	B31.12-IP-19
48(OCC)		4584.3	183400.5	2.5		4845.5	183400.5	2.6	B31.12-IP-19
49(OCC)		5468.7	183400.5	3.0		9007.6	183400.5	4.9	B31.12-IP-19
50(OCC)		9603.8	183400.5	5.2		6631.9	183400.5	3.6	B31.12-IP-19
51(OCC)		4510.1	183400.5	2.5		5123.1	183400.5	2.8	B31.12-IP-19
52(OCC)		4302.2	183400.5	2.3		5010.4	183400.5	2.7	B31.12-IP-19
53(OCC)		4319.5	183400.5	2.4		6684.7	183400.5	3.6	B31.12-IP-19
54(OCC)		4167.8	183400.5	2.3		5460.8	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	6519	3604.6	137895.1	2.6	6520	3880.6	137895.1	2.8	B31.12-IP-19
4(Alt-SUS)		3382.3	137895.1	2.5		3216.1	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		3904.1	137895.1	2.8		4107.2	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3815.8	137895.1	2.8		4013.1	137895.1	2.9	B31.12-IP-19
14(SUS)		3992.9	137895.1	2.9		4216.2	137895.1	3.1	B31.12-IP-19
24(EXP)		45012.6	340744.9	13.2		45621.7	340521.7	13.4	B31.12-IP-19
25(EXP)		9896.8	340744.9	2.9		9606.6	340521.7	2.8	B31.12-IP-19
26(EXP)		8350.2	340744.9	2.5		8245.4	340521.7	2.4	B31.12-IP-19
27(EXP)		27031.4	340744.9	7.9		26471.9	340521.7	7.8	B31.12-IP-19
28(EXP)		36927.6	340744.9	10.8		36077.6	340521.7	10.6	B31.12-IP-19
42(OCC)		4275.8	183400.5	2.3		4674.9	183400.5	2.5	B31.12-IP-19
43(OCC)		4473.5	183400.5	2.4		4809.8	183400.5	2.6	B31.12-IP-19
44(OCC)		5482.8	183400.5	3.0		5961.5	183400.5	3.3	B31.12-IP-19
45(OCC)		4770.2	183400.5	2.6		5093.8	183400.5	2.8	B31.12-IP-19
46(OCC)		4042.5	183400.5	2.2		4260.4	183400.5	2.3	B31.12-IP-19
47(OCC)		4613.7	183400.5	2.5		5045.9	183400.5	2.8	B31.12-IP-19
48(OCC)		4845.5	183400.5	2.6		5088.3	183400.5	2.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		9007.6	183400.5	4.9		10357.8	183400.5	5.6	B31.12-IP-19
50(OCC)		6631.9	183400.5	3.6		5667.6	183400.5	3.1	B31.12-IP-19
51(OCC)		5123.1	183400.5	2.8		5678.3	183400.5	3.1	B31.12-IP-19
52(OCC)		5010.4	183400.5	2.7		5557.8	183400.5	3.0	B31.12-IP-19
53(OCC)		6684.7	183400.5	3.6		7431.9	183400.5	4.1	B31.12-IP-19
54(OCC)		5460.8	183400.5	3.0		6339.6	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	6520	3384.2	137895.1	2.5	6530	5143.6	137895.1	3.7	B31.12-IP-19
4(Alt-SUS)		3109.2	137895.1	2.3		4370.9	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3476.9	137895.1	2.5		5355.3	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		3439.1	137895.1	2.5		5299.1	137895.1	3.8	B31.12-IP-19
14(SUS)		3519.7	137895.1	2.6		5364.7	137895.1	3.9	B31.12-IP-19
24(EXP)		15110.1	341218.2	4.4		18057.4	339373.2	5.3	B31.12-IP-19
25(EXP)		3183.8	341218.2	0.9		4773.6	339373.2	1.4	B31.12-IP-19
26(EXP)		2721.7	341218.2	0.8		3660.6	339373.2	1.1	B31.12-IP-19
27(EXP)		8753.6	341218.2	2.6		12425.0	339373.2	3.7	B31.12-IP-19
28(EXP)		11937.0	341218.2	3.5		17198.6	339373.2	5.1	B31.12-IP-19
42(OCC)		3769.7	183400.5	2.1		6648.1	183400.5	3.6	B31.12-IP-19
43(OCC)		3814.7	183400.5	2.1		6548.5	183400.5	3.6	B31.12-IP-19
44(OCC)		4323.5	183400.5	2.4		5647.7	183400.5	3.1	B31.12-IP-19
45(OCC)		3919.1	183400.5	2.1		5465.6	183400.5	3.0	B31.12-IP-19
46(OCC)		3539.5	183400.5	1.9		5417.0	183400.5	3.0	B31.12-IP-19
47(OCC)		3909.0	183400.5	2.1		7010.5	183400.5	3.8	B31.12-IP-19
48(OCC)		3899.6	183400.5	2.1		7439.7	183400.5	4.1	B31.12-IP-19
49(OCC)		6342.1	183400.5	3.5		7264.7	183400.5	4.0	B31.12-IP-19
50(OCC)		4402.9	183400.5	2.4		8122.2	183400.5	4.4	B31.12-IP-19
51(OCC)		4189.2	183400.5	2.3		7112.7	183400.5	3.9	B31.12-IP-19
52(OCC)		4136.7	183400.5	2.3		6668.7	183400.5	3.6	B31.12-IP-19
53(OCC)		5015.9	183400.5	2.7		6395.2	183400.5	3.5	B31.12-IP-19
54(OCC)		4521.2	183400.5	2.5		6339.7	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	6530	5151.1	137895.1	3.7	6538	3175.3	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		4372.9	137895.1	3.2		3149.4	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		5368.9	137895.1	3.9		3172.2	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		5307.4	137895.1	3.8		3178.0	137895.1	2.3	B31.12-IP-19
14(SUS)		5388.8	137895.1	3.9		3160.1	137895.1	2.3	B31.12-IP-19
24(EXP)		18057.4	339349.0	5.3		7568.9	341559.8	2.2	B31.12-IP-19
25(EXP)		4773.6	339349.0	1.4		1584.2	341559.8	0.5	B31.12-IP-19
26(EXP)		3660.6	339349.0	1.1		1089.4	341559.8	0.3	B31.12-IP-19
27(EXP)		12425.0	339349.0	3.7		4154.5	341559.8	1.2	B31.12-IP-19
28(EXP)		17198.6	339349.0	5.1		5731.5	341559.8	1.7	B31.12-IP-19
42(OCC)		6687.9	183400.5	3.6		3448.9	183400.5	1.9	B31.12-IP-19
43(OCC)		6560.3	183400.5	3.6		3393.9	183400.5	1.9	B31.12-IP-19
44(OCC)		5679.9	183400.5	3.1		4378.6	183400.5	2.4	B31.12-IP-19
45(OCC)		5474.4	183400.5	3.0		3387.6	183400.5	1.8	B31.12-IP-19
46(OCC)		5440.5	183400.5	3.0		3166.9	183400.5	1.7	B31.12-IP-19
47(OCC)		7033.9	183400.5	3.8		3366.8	183400.5	1.8	B31.12-IP-19
48(OCC)		7455.0	183400.5	4.1		3405.7	183400.5	1.9	B31.12-IP-19
49(OCC)		7259.1	183400.5	4.0		5560.3	183400.5	3.0	B31.12-IP-19
50(OCC)		8200.0	183400.5	4.5		4990.5	183400.5	2.7	B31.12-IP-19
51(OCC)		7142.6	183400.5	3.9		3651.7	183400.5	2.0	B31.12-IP-19
52(OCC)		6673.7	183400.5	3.6		3499.9	183400.5	1.9	B31.12-IP-19
53(OCC)		6457.3	183400.5	3.5		4570.8	183400.5	2.5	B31.12-IP-19
54(OCC)		6433.5	183400.5	3.5		3335.4	183400.5	1.8	B31.12-IP-19
2(Alt-SUS)	6538	3327.7	137895.1	2.4	6539	3071.9	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		3268.0	137895.1	2.4		3103.4	137895.1	2.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		3322.5	137895.1	2.4		3161.7	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		3338.9	137895.1	2.4		3178.9	137895.1	2.3	B31.12-IP-19
14(SUS)		3289.3	137895.1	2.4		3112.3	137895.1	2.3	B31.12-IP-19
24(EXP)		23678.9	341399.0	6.9		20501.6	341558.9	6.0	B31.12-IP-19
25(EXP)		4895.6	341399.0	1.4		4201.3	341558.9	1.2	B31.12-IP-19
26(EXP)		3287.6	341399.0	1.0		2730.0	341558.9	0.8	B31.12-IP-19
27(EXP)		12681.8	341399.0	3.7		10721.4	341558.9	3.1	B31.12-IP-19
28(EXP)		17560.8	341399.0	5.1		14912.9	341558.9	4.4	B31.12-IP-19
42(OCC)		3897.0	183400.5	2.1		3342.2	183400.5	1.8	B31.12-IP-19
43(OCC)		3687.3	183400.5	2.0		3647.6	183400.5	2.0	B31.12-IP-19
44(OCC)		5733.8	183400.5	3.1		5139.3	183400.5	2.8	B31.12-IP-19
45(OCC)		3743.1	183400.5	2.0		3560.0	183400.5	1.9	B31.12-IP-19
46(OCC)		3303.5	183400.5	1.8		3127.6	183400.5	1.7	B31.12-IP-19
47(OCC)		3656.4	183400.5	2.0		3328.3	183400.5	1.8	B31.12-IP-19
48(OCC)		3768.6	183400.5	2.1		3572.2	183400.5	1.9	B31.12-IP-19
49(OCC)		8110.6	183400.5	4.4		7230.4	183400.5	3.9	B31.12-IP-19
50(OCC)		7241.3	183400.5	3.9		6328.2	183400.5	3.5	B31.12-IP-19
51(OCC)		4358.2	183400.5	2.4		3626.0	183400.5	2.0	B31.12-IP-19
52(OCC)		3928.2	183400.5	2.1		4007.3	183400.5	2.2	B31.12-IP-19
53(OCC)		6071.5	183400.5	3.3		5311.6	183400.5	2.9	B31.12-IP-19
54(OCC)		3646.3	183400.5	2.0		3601.2	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	6539	3071.9	137895.1	2.2	6540	3383.6	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3103.4	137895.1	2.3		3419.5	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3161.7	137895.1	2.3		3257.0	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3178.9	137895.1	2.3		3271.7	137895.1	2.4	B31.12-IP-19
14(SUS)		3112.3	137895.1	2.3		3242.9	137895.1	2.4	B31.12-IP-19
24(EXP)		20501.6	341558.9	6.0		11838.6	341318.3	3.5	B31.12-IP-19
25(EXP)		4201.3	341558.9	1.2		2733.7	341318.3	0.8	B31.12-IP-19
26(EXP)		2730.0	341558.9	0.8		1964.9	341318.3	0.6	B31.12-IP-19
27(EXP)		10721.4	341558.9	3.1		7236.9	341318.3	2.1	B31.12-IP-19
28(EXP)		14912.9	341558.9	4.4		9966.2	341318.3	2.9	B31.12-IP-19
42(OCC)		3342.2	183400.5	1.8		3546.1	183400.5	1.9	B31.12-IP-19
43(OCC)		3647.6	183400.5	2.0		3807.7	183400.5	2.1	B31.12-IP-19
44(OCC)		5139.3	183400.5	2.8		4456.9	183400.5	2.4	B31.12-IP-19
45(OCC)		3560.1	183400.5	1.9		3734.6	183400.5	2.0	B31.12-IP-19
46(OCC)		3127.6	183400.5	1.7		3254.2	183400.5	1.8	B31.12-IP-19
47(OCC)		3328.3	183400.5	1.8		3699.4	183400.5	2.0	B31.12-IP-19
48(OCC)		3572.2	183400.5	1.9		3844.0	183400.5	2.1	B31.12-IP-19
49(OCC)		7230.4	183400.5	3.9		5951.3	183400.5	3.2	B31.12-IP-19
50(OCC)		6328.2	183400.5	3.5		4324.0	183400.5	2.4	B31.12-IP-19
51(OCC)		3626.0	183400.5	2.0		3492.6	183400.5	1.9	B31.12-IP-19
52(OCC)		4007.3	183400.5	2.2		4048.0	183400.5	2.2	B31.12-IP-19
53(OCC)		5311.6	183400.5	2.9		4560.7	183400.5	2.5	B31.12-IP-19
54(OCC)		3601.2	183400.5	2.0		3877.3	183400.5	2.1	B31.12-IP-19
2(Alt-SUS)	6540	3207.1	137895.1	2.3	6550	4256.3	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		3227.5	137895.1	2.3		4450.6	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3138.4	137895.1	2.3		4137.6	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		3145.4	137895.1	2.3		4156.7	137895.1	3.0	B31.12-IP-19
14(SUS)		3133.0	137895.1	2.3		4133.8	137895.1	3.0	B31.12-IP-19
24(EXP)		3897.5	341510.3	1.1		9289.5	340287.2	2.7	B31.12-IP-19
25(EXP)		907.1	341510.3	0.3		1796.7	340287.2	0.5	B31.12-IP-19
26(EXP)		698.0	341510.3	0.2		1175.9	340287.2	0.3	B31.12-IP-19
27(EXP)		2500.8	341510.3	0.7		4400.3	340287.2	1.3	B31.12-IP-19
28(EXP)		3396.0	341510.3	1.0		6186.0	340287.2	1.8	B31.12-IP-19
42(OCC)		3300.2	183400.5	1.8		4628.0	183400.5	2.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		3453.3	183400.5	1.9		4348.6	183400.5	2.4	B31.12-IP-19
44(OCC)		4216.7	183400.5	2.3		5382.5	183400.5	2.9	B31.12-IP-19
45(OCC)		3408.1	183400.5	1.9		4378.3	183400.5	2.4	B31.12-IP-19
46(OCC)		3141.7	183400.5	1.7		4152.2	183400.5	2.3	B31.12-IP-19
47(OCC)		3415.5	183400.5	1.9		4910.3	183400.5	2.7	B31.12-IP-19
48(OCC)		3465.7	183400.5	1.9		4699.6	183400.5	2.6	B31.12-IP-19
49(OCC)		5433.9	183400.5	3.0		6630.4	183400.5	3.6	B31.12-IP-19
50(OCC)		3745.2	183400.5	2.0		6800.2	183400.5	3.7	B31.12-IP-19
51(OCC)		3270.7	183400.5	1.8		5205.4	183400.5	2.8	B31.12-IP-19
52(OCC)		3621.7	183400.5	2.0		4983.8	183400.5	2.7	B31.12-IP-19
53(OCC)		4354.9	183400.5	2.4		5455.9	183400.5	3.0	B31.12-IP-19
54(OCC)		3477.6	183400.5	1.9		4932.8	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	6550	4257.4	137895.1	3.1	6560	6222.3	137895.1	4.5	B31.12-IP-19
4(Alt-SUS)		4451.7	137895.1	3.2		6699.6	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		4138.6	137895.1	3.0		5972.5	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		4157.7	137895.1	3.0		6019.1	137895.1	4.4	B31.12-IP-19
14(SUS)		4134.7	137895.1	3.0		5962.0	137895.1	4.3	B31.12-IP-19
24(EXP)		9289.5	340286.1	2.7		38942.4	338038.3	11.5	B31.12-IP-19
25(EXP)		1796.7	340286.1	0.5		7155.0	338038.3	2.1	B31.12-IP-19
26(EXP)		1175.9	340286.1	0.3		4271.6	338038.3	1.3	B31.12-IP-19
27(EXP)		4400.3	340286.1	1.3		17056.5	338038.3	5.0	B31.12-IP-19
28(EXP)		6186.0	340286.1	1.8		24203.4	338038.3	7.2	B31.12-IP-19
42(OCC)		4629.0	183400.5	2.5		7333.6	183400.5	4.0	B31.12-IP-19
43(OCC)		4349.2	183400.5	2.4		6346.9	183400.5	3.5	B31.12-IP-19
44(OCC)		5383.4	183400.5	2.9		8285.6	183400.5	4.5	B31.12-IP-19
45(OCC)		4379.3	183400.5	2.4		6221.6	183400.5	3.4	B31.12-IP-19
46(OCC)		4153.2	183400.5	2.3		6006.1	183400.5	3.3	B31.12-IP-19
47(OCC)		4911.9	183400.5	2.7		7894.0	183400.5	4.3	B31.12-IP-19
48(OCC)		4700.5	183400.5	2.6		7278.7	183400.5	4.0	B31.12-IP-19
49(OCC)		6631.1	183400.5	3.6		10188.2	183400.5	5.6	B31.12-IP-19
50(OCC)		6801.4	183400.5	3.7		14220.1	183400.5	7.8	B31.12-IP-19
51(OCC)		5205.9	183400.5	2.8		8984.2	183400.5	4.9	B31.12-IP-19
52(OCC)		4985.3	183400.5	2.7		7986.5	183400.5	4.4	B31.12-IP-19
53(OCC)		5457.1	183400.5	3.0		8009.0	183400.5	4.4	B31.12-IP-19
54(OCC)		4934.3	183400.5	2.7		7877.3	183400.5	4.3	B31.12-IP-19
2(Alt-SUS)	6560	4779.3	137895.1	3.5	6570	4458.0	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		5282.6	137895.1	3.8		4531.3	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4659.5	137895.1	3.4		4428.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4663.2	137895.1	3.4		4428.9	137895.1	3.2	B31.12-IP-19
14(SUS)		4692.5	137895.1	3.4		4435.4	137895.1	3.2	B31.12-IP-19
24(EXP)		24552.1	339455.3	7.2		8202.2	340206.6	2.4	B31.12-IP-19
25(EXP)		4348.4	339455.3	1.3		1760.5	340206.6	0.5	B31.12-IP-19
26(EXP)		2300.0	339455.3	0.7		1143.3	340206.6	0.3	B31.12-IP-19
27(EXP)		9131.6	339455.3	2.7		4323.3	340206.6	1.3	B31.12-IP-19
28(EXP)		13441.0	339455.3	4.0		6081.2	340206.6	1.8	B31.12-IP-19
42(OCC)		5277.1	183400.5	2.9		4706.6	183400.5	2.6	B31.12-IP-19
43(OCC)		5470.1	183400.5	3.0		4688.9	183400.5	2.6	B31.12-IP-19
44(OCC)		6681.0	183400.5	3.6		5081.7	183400.5	2.8	B31.12-IP-19
45(OCC)		5522.5	183400.5	3.0		4720.4	183400.5	2.6	B31.12-IP-19
46(OCC)		4713.0	183400.5	2.6		4441.4	183400.5	2.4	B31.12-IP-19
47(OCC)		5549.6	183400.5	3.0		4750.8	183400.5	2.6	B31.12-IP-19
48(OCC)		5264.8	183400.5	2.9		4819.5	183400.5	2.6	B31.12-IP-19
49(OCC)		8914.6	183400.5	4.9		5925.4	183400.5	3.2	B31.12-IP-19
50(OCC)		6486.2	183400.5	3.5		6135.2	183400.5	3.3	B31.12-IP-19
51(OCC)		5538.0	183400.5	3.0		5092.5	183400.5	2.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		5974.2	183400.5	3.3		4690.6	183400.5	2.6	B31.12-IP-19
53(OCC)		7199.8	183400.5	3.9		5159.5	183400.5	2.8	B31.12-IP-19
54(OCC)		5712.1	183400.5	3.1		4828.4	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	6570	4458.0	137895.1	3.2	6578	4457.3	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4531.3	137895.1	3.3		4446.2	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		4428.0	137895.1	3.2		4443.6	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4428.9	137895.1	3.2		4445.5	137895.1	3.2	B31.12-IP-19
14(SUS)		4435.4	137895.1	3.2		4445.0	137895.1	3.2	B31.12-IP-19
24(EXP)		8202.2	340206.6	2.4		7858.7	340280.6	2.3	B31.12-IP-19
25(EXP)		1760.5	340206.6	0.5		1815.8	340280.6	0.5	B31.12-IP-19
26(EXP)		1143.3	340206.6	0.3		1264.3	340280.6	0.4	B31.12-IP-19
27(EXP)		4323.3	340206.6	1.3		4625.4	340280.6	1.4	B31.12-IP-19
28(EXP)		6081.2	340206.6	1.8		6440.7	340280.6	1.9	B31.12-IP-19
42(OCC)		4706.6	183400.5	2.6		4649.8	183400.5	2.5	B31.12-IP-19
43(OCC)		4688.9	183400.5	2.6		4566.8	183400.5	2.5	B31.12-IP-19
44(OCC)		5081.7	183400.5	2.8		5226.6	183400.5	2.8	B31.12-IP-19
45(OCC)		4720.4	183400.5	2.6		4674.3	183400.5	2.5	B31.12-IP-19
46(OCC)		4441.4	183400.5	2.4		4449.5	183400.5	2.4	B31.12-IP-19
47(OCC)		4750.8	183400.5	2.6		5154.9	183400.5	2.8	B31.12-IP-19
48(OCC)		4819.5	183400.5	2.6		5240.2	183400.5	2.9	B31.12-IP-19
49(OCC)		5925.4	183400.5	3.2		6264.1	183400.5	3.4	B31.12-IP-19
50(OCC)		6135.2	183400.5	3.3		6234.8	183400.5	3.4	B31.12-IP-19
51(OCC)		5092.5	183400.5	2.8		5422.7	183400.5	3.0	B31.12-IP-19
52(OCC)		4690.6	183400.5	2.6		5079.4	183400.5	2.8	B31.12-IP-19
53(OCC)		5159.5	183400.5	2.8		5413.1	183400.5	3.0	B31.12-IP-19
54(OCC)		4828.4	183400.5	2.6		4704.2	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	6578	4734.0	137895.1	3.4	6579	4910.3	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		4728.3	137895.1	3.4		4861.3	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		4712.1	137895.1	3.4		4860.8	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4717.4	137895.1	3.4		4854.5	137895.1	3.5	B31.12-IP-19
14(SUS)		4712.4	137895.1	3.4		4877.0	137895.1	3.5	B31.12-IP-19
24(EXP)		20672.9	340003.9	6.1		19690.9	339827.6	5.8	B31.12-IP-19
25(EXP)		5237.6	340003.9	1.5		5038.1	339827.6	1.5	B31.12-IP-19
26(EXP)		3862.5	340003.9	1.1		3973.8	339827.6	1.2	B31.12-IP-19
27(EXP)		13365.1	340003.9	3.9		13871.3	339827.6	4.1	B31.12-IP-19
28(EXP)		18601.3	340003.9	5.5		18904.3	339827.6	5.6	B31.12-IP-19
42(OCC)		4924.1	183400.5	2.7		5067.2	183400.5	2.8	B31.12-IP-19
43(OCC)		4948.0	183400.5	2.7		5276.2	183400.5	2.9	B31.12-IP-19
44(OCC)		6080.5	183400.5	3.3		7223.7	183400.5	3.9	B31.12-IP-19
45(OCC)		4962.7	183400.5	2.7		5503.3	183400.5	3.0	B31.12-IP-19
46(OCC)		4719.0	183400.5	2.6		4884.5	183400.5	2.7	B31.12-IP-19
47(OCC)		6168.2	183400.5	3.4		6554.8	183400.5	3.6	B31.12-IP-19
48(OCC)		6418.3	183400.5	3.5		6688.3	183400.5	3.6	B31.12-IP-19
49(OCC)		7847.6	183400.5	4.3		10043.6	183400.5	5.5	B31.12-IP-19
50(OCC)		7151.8	183400.5	3.9		6940.1	183400.5	3.8	B31.12-IP-19
51(OCC)		6645.3	183400.5	3.6		6516.4	183400.5	3.6	B31.12-IP-19
52(OCC)		6010.2	183400.5	3.3		6878.6	183400.5	3.8	B31.12-IP-19
53(OCC)		6663.7	183400.5	3.6		7495.0	183400.5	4.1	B31.12-IP-19
54(OCC)		5071.2	183400.5	2.8		5752.1	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	6579	4910.3	137895.1	3.6	6580	7211.2	137895.1	5.2	B31.12-IP-19
4(Alt-SUS)		4861.3	137895.1	3.5		6901.8	137895.1	5.0	B31.12-IP-19
6(Alt-SUS)		4860.8	137895.1	3.5		7137.9	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		4854.5	137895.1	3.5		7128.3	137895.1	5.2	B31.12-IP-19
14(SUS)		4877.0	137895.1	3.5		7175.8	137895.1	5.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		19690.9	339827.6	5.8		18128.6	337526.6	5.4	B31.12-IP-19
25(EXP)		5038.1	339827.6	1.5		3911.5	337526.6	1.2	B31.12-IP-19
26(EXP)		3973.8	339827.6	1.2		3165.0	337526.6	0.9	B31.12-IP-19
27(EXP)		13871.3	339827.6	4.1		11709.3	337526.6	3.5	B31.12-IP-19
28(EXP)		18904.3	339827.6	5.6		15531.7	337526.6	4.6	B31.12-IP-19
42(OCC)		5067.2	183400.5	2.8		7373.3	183400.5	4.0	B31.12-IP-19
43(OCC)		5276.2	183400.5	2.9		8009.5	183400.5	4.4	B31.12-IP-19
44(OCC)		7223.7	183400.5	3.9		10507.7	183400.5	5.7	B31.12-IP-19
45(OCC)		5503.3	183400.5	3.0		8088.8	183400.5	4.4	B31.12-IP-19
46(OCC)		4884.5	183400.5	2.7		7192.2	183400.5	3.9	B31.12-IP-19
47(OCC)		6554.8	183400.5	3.6		9415.3	183400.5	5.1	B31.12-IP-19
48(OCC)		6688.3	183400.5	3.6		8933.5	183400.5	4.9	B31.12-IP-19
49(OCC)		10043.6	183400.5	5.5		15538.7	183400.5	8.5	B31.12-IP-19
50(OCC)		6940.1	183400.5	3.8		10640.5	183400.5	5.8	B31.12-IP-19
51(OCC)		6516.4	183400.5	3.6		9139.3	183400.5	5.0	B31.12-IP-19
52(OCC)		6878.6	183400.5	3.8		9976.5	183400.5	5.4	B31.12-IP-19
53(OCC)		7495.0	183400.5	4.1		9791.9	183400.5	5.3	B31.12-IP-19
54(OCC)		5752.1	183400.5	3.1		9474.8	183400.5	5.2	B31.12-IP-19
2(Alt-SUS)	6580	5203.4	137895.1	3.8	6590	5496.3	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5091.5	137895.1	3.7		5348.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5177.3	137895.1	3.8		5467.2	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5174.1	137895.1	3.8		5464.7	137895.1	4.0	B31.12-IP-19
14(SUS)		5190.2	137895.1	3.8		5480.1	137895.1	4.0	B31.12-IP-19
24(EXP)		5890.4	339534.5	1.7		5909.8	339241.6	1.7	B31.12-IP-19
25(EXP)		1255.5	339534.5	0.4		1214.5	339241.6	0.4	B31.12-IP-19
26(EXP)		969.8	339534.5	0.3		911.3	339241.6	0.3	B31.12-IP-19
27(EXP)		3636.4	339534.5	1.1		3470.2	339241.6	1.0	B31.12-IP-19
28(EXP)		4869.7	339534.5	1.4		4647.8	339241.6	1.4	B31.12-IP-19
42(OCC)		5373.7	183400.5	2.9		5684.3	183400.5	3.1	B31.12-IP-19
43(OCC)		5559.2	183400.5	3.0		5906.7	183400.5	3.2	B31.12-IP-19
44(OCC)		6513.8	183400.5	3.6		6837.5	183400.5	3.7	B31.12-IP-19
45(OCC)		5575.3	183400.5	3.0		5866.0	183400.5	3.2	B31.12-IP-19
46(OCC)		5197.0	183400.5	2.8		5487.5	183400.5	3.0	B31.12-IP-19
47(OCC)		6452.7	183400.5	3.5		6862.9	183400.5	3.7	B31.12-IP-19
48(OCC)		6437.2	183400.5	3.5		6807.6	183400.5	3.7	B31.12-IP-19
49(OCC)		8460.5	183400.5	4.6		8957.5	183400.5	4.9	B31.12-IP-19
50(OCC)		6916.0	183400.5	3.8		7196.2	183400.5	3.9	B31.12-IP-19
51(OCC)		6516.2	183400.5	3.6		6874.5	183400.5	3.7	B31.12-IP-19
52(OCC)		6587.2	183400.5	3.6		7029.1	183400.5	3.8	B31.12-IP-19
53(OCC)		6356.3	183400.5	3.5		6571.5	183400.5	3.6	B31.12-IP-19
54(OCC)		6067.0	183400.5	3.3		6502.3	183400.5	3.5	B31.12-IP-19
2(Alt-SUS)	6590	5496.3	137895.1	4.0	6600	7774.7	137895.1	5.6	B31.12-IP-19
4(Alt-SUS)		5348.6	137895.1	3.9		7872.7	137895.1	5.7	B31.12-IP-19
6(Alt-SUS)		5467.2	137895.1	4.0		7748.5	137895.1	5.6	B31.12-IP-19
8(Alt-SUS)		5464.7	137895.1	4.0		7752.5	137895.1	5.6	B31.12-IP-19
14(SUS)		5479.1	137895.1	4.0		7733.9	137895.1	5.6	B31.12-IP-19
24(EXP)		5909.8	339241.6	1.7		6417.9	336865.1	1.9	B31.12-IP-19
25(EXP)		1214.5	339241.6	0.4		1392.5	336865.1	0.4	B31.12-IP-19
26(EXP)		911.3	339241.6	0.3		1005.5	336865.1	0.3	B31.12-IP-19
27(EXP)		3470.2	339241.6	1.0		3794.3	336865.1	1.1	B31.12-IP-19
28(EXP)		4647.8	339241.6	1.4		5156.8	336865.1	1.5	B31.12-IP-19
42(OCC)		5685.8	183400.5	3.1		7921.1	183400.5	4.3	B31.12-IP-19
43(OCC)		5938.0	183400.5	3.2		8052.8	183400.5	4.4	B31.12-IP-19
44(OCC)		6833.8	183400.5	3.7		8992.3	183400.5	4.9	B31.12-IP-19
45(OCC)		5866.5	183400.5	3.2		8097.8	183400.5	4.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		5486.7	183400.5	3.0		7739.9	183400.5	4.2	B31.12-IP-19
47(OCC)		6897.5	183400.5	3.8		11544.5	183400.5	6.3	B31.12-IP-19
48(OCC)		6852.6	183400.5	3.7		11508.7	183400.5	6.3	B31.12-IP-19
49(OCC)		9225.1	183400.5	5.0		9446.7	183400.5	5.2	B31.12-IP-19
50(OCC)		7377.6	183400.5	4.0		10731.9	183400.5	5.9	B31.12-IP-19
51(OCC)		7234.5	183400.5	3.9		12308.7	183400.5	6.7	B31.12-IP-19
52(OCC)		7535.1	183400.5	4.1		11707.1	183400.5	6.4	B31.12-IP-19
53(OCC)		6590.6	183400.5	3.6		11227.4	183400.5	6.1	B31.12-IP-19
54(OCC)		6731.9	183400.5	3.7		9527.8	183400.5	5.2	B31.12-IP-19
2(Alt-SUS)	6600	0.0	0.0	0.0	6610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6610	0.0	0.0	0.0	6620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	6620	0.0	0.0	0.0	6630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6630	58969.0	137895.1	42.8	6640	72816.9	137895.1	52.8	B31.12-IP-19
4(Alt-SUS)		58710.0	137895.1	42.6		71990.7	137895.1	52.2	B31.12-IP-19
6(Alt-SUS)		58559.9	137895.1	42.5		71575.0	137895.1	51.9	B31.12-IP-19
8(Alt-SUS)		58567.2	137895.1	42.5		71594.7	137895.1	51.9	B31.12-IP-19
14(SUS)		58554.5	137895.1	42.5		71568.8	137895.1	51.9	B31.12-IP-19
24(EXP)		9905.2	285768.9	3.5		30556.7	271920.9	11.2	B31.12-IP-19
25(EXP)		2675.1	285768.9	0.9		8416.4	271920.9	3.1	B31.12-IP-19
26(EXP)		1896.0	285768.9	0.7		5973.0	271920.9	2.2	B31.12-IP-19
27(EXP)		6653.3	285768.9	2.3		20833.8	271920.9	7.7	B31.12-IP-19
28(EXP)		9326.1	285768.9	3.3		29245.4	271920.9	10.8	B31.12-IP-19
42(OCC)		58911.4	183400.5	32.1		72140.2	183400.5	39.3	B31.12-IP-19
43(OCC)		58858.5	183400.5	32.1		72082.6	183400.5	39.3	B31.12-IP-19
44(OCC)		59185.1	183400.5	32.3		72709.0	183400.5	39.6	B31.12-IP-19
45(OCC)		58765.3	183400.5	32.0		71978.1	183400.5	39.2	B31.12-IP-19
46(OCC)		58568.9	183400.5	31.9		71612.4	183400.5	39.0	B31.12-IP-19
47(OCC)		69902.2	183400.5	38.1		93221.0	183400.5	50.8	B31.12-IP-19
48(OCC)		68117.5	183400.5	37.1		87775.4	183400.5	47.9	B31.12-IP-19
49(OCC)		64312.9	183400.5	35.1		80017.3	183400.5	43.6	B31.12-IP-19
50(OCC)		67500.4	183400.5	36.8		90015.2	183400.5	49.1	B31.12-IP-19
51(OCC)		69775.7	183400.5	38.0		91038.7	183400.5	49.6	B31.12-IP-19
52(OCC)		69749.8	183400.5	38.0		92358.6	183400.5	50.4	B31.12-IP-19
53(OCC)		68003.5	183400.5	37.1		91028.9	183400.5	49.6	B31.12-IP-19
54(OCC)		65130.2	183400.5	35.5		82152.9	183400.5	44.8	B31.12-IP-19
2(Alt-SUS)	6560	5099.6	137895.1	3.7	6648	4559.2	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4739.4	137895.1	3.4		4331.9	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		5101.2	137895.1	3.7		4557.0	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		5110.3	137895.1	3.7		4560.0	137895.1	3.3	B31.12-IP-19
14(SUS)		5092.5	137895.1	3.7		4553.8	137895.1	3.3	B31.12-IP-19
24(EXP)		24096.3	339627.5	7.1		5778.7	340177.8	1.7	B31.12-IP-19
25(EXP)		4814.6	339627.5	1.4		1211.3	340177.8	0.4	B31.12-IP-19
26(EXP)		2799.1	339627.5	0.8		691.4	340177.8	0.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		10445.3	339627.5	3.1		2504.7	340177.8	0.7	B31.12-IP-19
28(EXP)		15250.4	339627.5	4.5		3703.1	340177.8	1.1	B31.12-IP-19
42(OCC)		5719.2	183400.5	3.1		4723.7	183400.5	2.6	B31.12-IP-19
43(OCC)		5785.2	183400.5	3.2		4756.2	183400.5	2.6	B31.12-IP-19
44(OCC)		5953.1	183400.5	3.2		5158.6	183400.5	2.8	B31.12-IP-19
45(OCC)		5728.5	183400.5	3.1		4850.1	183400.5	2.6	B31.12-IP-19
46(OCC)		5099.0	183400.5	2.8		4555.9	183400.5	2.5	B31.12-IP-19
47(OCC)		5235.1	183400.5	2.9		4641.9	183400.5	2.5	B31.12-IP-19
48(OCC)		6069.7	183400.5	3.3		4942.6	183400.5	2.7	B31.12-IP-19
49(OCC)		7288.0	183400.5	4.0		6111.1	183400.5	3.3	B31.12-IP-19
50(OCC)		6274.2	183400.5	3.4		4753.8	183400.5	2.6	B31.12-IP-19
51(OCC)		6187.3	183400.5	3.4		4954.2	183400.5	2.7	B31.12-IP-19
52(OCC)		5509.1	183400.5	3.0		4731.0	183400.5	2.6	B31.12-IP-19
53(OCC)		6259.9	183400.5	3.4		5335.9	183400.5	2.9	B31.12-IP-19
54(OCC)		5986.6	183400.5	3.3		4954.3	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	6648	5297.3	137895.1	3.8	6649	4905.3	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		4731.9	137895.1	3.4		4383.8	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		5292.5	137895.1	3.8		4894.2	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		5301.0	137895.1	3.8		4898.0	137895.1	3.6	B31.12-IP-19
14(SUS)		5282.7	137895.1	3.8		4889.1	137895.1	3.5	B31.12-IP-19
24(EXP)		18261.9	339436.9	5.4		10640.9	339832.5	3.1	B31.12-IP-19
25(EXP)		3834.9	339436.9	1.1		2450.2	339832.5	0.7	B31.12-IP-19
26(EXP)		2026.4	339436.9	0.6		1235.7	339832.5	0.4	B31.12-IP-19
27(EXP)		7323.5	339436.9	2.2		4368.8	339832.5	1.3	B31.12-IP-19
28(EXP)		11147.4	339436.9	3.3		6802.0	339832.5	2.0	B31.12-IP-19
42(OCC)		5733.8	183400.5	3.1		5022.0	183400.5	2.7	B31.12-IP-19
43(OCC)		5813.7	183400.5	3.2		5116.0	183400.5	2.8	B31.12-IP-19
44(OCC)		6530.0	183400.5	3.6		6021.3	183400.5	3.3	B31.12-IP-19
45(OCC)		5735.1	183400.5	3.1		5343.1	183400.5	2.9	B31.12-IP-19
46(OCC)		5287.4	183400.5	2.9		4891.1	183400.5	2.7	B31.12-IP-19
47(OCC)		5446.2	183400.5	3.0		5178.3	183400.5	2.8	B31.12-IP-19
48(OCC)		6305.5	183400.5	3.4		5461.9	183400.5	3.0	B31.12-IP-19
49(OCC)		8275.7	183400.5	4.5		7245.9	183400.5	4.0	B31.12-IP-19
50(OCC)		5601.5	183400.5	3.1		5468.9	183400.5	3.0	B31.12-IP-19
51(OCC)		6314.0	183400.5	3.4		5440.2	183400.5	3.0	B31.12-IP-19
52(OCC)		5633.3	183400.5	3.1		5227.8	183400.5	2.9	B31.12-IP-19
53(OCC)		6910.7	183400.5	3.8		6367.2	183400.5	3.5	B31.12-IP-19
54(OCC)		6056.8	183400.5	3.3		5472.9	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	6649	4905.3	137895.1	3.6	6650	4230.7	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4383.8	137895.1	3.2		4123.7	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4894.2	137895.1	3.5		4222.4	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4898.0	137895.1	3.6		4224.7	137895.1	3.1	B31.12-IP-19
14(SUS)		4889.1	137895.1	3.5		4217.8	137895.1	3.1	B31.12-IP-19
24(EXP)		10640.9	339832.5	3.1		5512.0	340507.1	1.6	B31.12-IP-19
25(EXP)		2450.2	339832.5	0.7		670.7	340507.1	0.2	B31.12-IP-19
26(EXP)		1235.7	339832.5	0.4		391.7	340507.1	0.1	B31.12-IP-19
27(EXP)		4368.8	339832.5	1.3		1557.8	340507.1	0.5	B31.12-IP-19
28(EXP)		6802.0	339832.5	2.0		2192.0	340507.1	0.6	B31.12-IP-19
42(OCC)		5022.0	183400.5	2.7		4508.7	183400.5	2.5	B31.12-IP-19
43(OCC)		5116.0	183400.5	2.8		4389.6	183400.5	2.4	B31.12-IP-19
44(OCC)		6021.3	183400.5	3.3		5176.8	183400.5	2.8	B31.12-IP-19
45(OCC)		5343.1	183400.5	2.9		4386.3	183400.5	2.4	B31.12-IP-19
46(OCC)		4891.1	183400.5	2.7		4221.7	183400.5	2.3	B31.12-IP-19
47(OCC)		5178.3	183400.5	2.8		4426.7	183400.5	2.4	B31.12-IP-19
48(OCC)		5461.9	183400.5	3.0		4468.9	183400.5	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		7245.9	183400.5	4.0		6410.3	183400.5	3.5	B31.12-IP-19
50(OCC)		5468.9	183400.5	3.0		5019.1	183400.5	2.7	B31.12-IP-19
51(OCC)		5440.2	183400.5	3.0		4606.3	183400.5	2.5	B31.12-IP-19
52(OCC)		5227.8	183400.5	2.9		4362.1	183400.5	2.4	B31.12-IP-19
53(OCC)		6367.2	183400.5	3.5		5465.3	183400.5	3.0	B31.12-IP-19
54(OCC)		5472.9	183400.5	3.0		4375.8	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	6650	4122.6	137895.1	3.0	6658	4165.1	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4081.0	137895.1	3.0		4094.4	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4119.0	137895.1	3.0		4165.0	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4119.7	137895.1	3.0		4164.3	137895.1	3.0	B31.12-IP-19
14(SUS)		4117.6	137895.1	3.0		4167.8	137895.1	3.0	B31.12-IP-19
24(EXP)		3194.1	340615.3	0.9		5118.9	340570.0	1.5	B31.12-IP-19
25(EXP)		383.4	340615.3	0.1		935.6	340570.0	0.3	B31.12-IP-19
26(EXP)		125.0	340615.3	0.0		523.3	340570.0	0.2	B31.12-IP-19
27(EXP)		526.4	340615.3	0.2		1954.6	340570.0	0.6	B31.12-IP-19
28(EXP)		877.8	340615.3	0.3		2869.9	340570.0	0.8	B31.12-IP-19
42(OCC)		4267.7	183400.5	2.3		4357.7	183400.5	2.4	B31.12-IP-19
43(OCC)		4241.4	183400.5	2.3		4284.7	183400.5	2.3	B31.12-IP-19
44(OCC)		4961.2	183400.5	2.7		5057.5	183400.5	2.8	B31.12-IP-19
45(OCC)		4191.9	183400.5	2.3		4258.5	183400.5	2.3	B31.12-IP-19
46(OCC)		4119.6	183400.5	2.2		4170.2	183400.5	2.3	B31.12-IP-19
47(OCC)		4245.7	183400.5	2.3		4384.9	183400.5	2.4	B31.12-IP-19
48(OCC)		4252.6	183400.5	2.3		4320.3	183400.5	2.4	B31.12-IP-19
49(OCC)		6060.8	183400.5	3.3		6229.7	183400.5	3.4	B31.12-IP-19
50(OCC)		4571.1	183400.5	2.5		4776.9	183400.5	2.6	B31.12-IP-19
51(OCC)		4304.2	183400.5	2.3		4446.4	183400.5	2.4	B31.12-IP-19
52(OCC)		4251.2	183400.5	2.3		4381.7	183400.5	2.4	B31.12-IP-19
53(OCC)		5173.5	183400.5	2.8		5242.4	183400.5	2.9	B31.12-IP-19
54(OCC)		4190.2	183400.5	2.3		4310.4	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	6658	4301.4	137895.1	3.1	6659	4473.1	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		4172.4	137895.1	3.0		4124.2	137895.1	3.0	B31.12-IP-19
6(Alt-SUS)		4302.1	137895.1	3.1		4478.1	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		4301.3	137895.1	3.1		4484.4	137895.1	3.3	B31.12-IP-19
14(SUS)		4308.1	137895.1	3.1		4471.1	137895.1	3.2	B31.12-IP-19
24(EXP)		14400.9	340429.8	4.2		18754.3	340253.5	5.5	B31.12-IP-19
25(EXP)		2884.0	340429.8	0.8		4373.4	340253.5	1.3	B31.12-IP-19
26(EXP)		1726.9	340429.8	0.5		2841.7	340253.5	0.8	B31.12-IP-19
27(EXP)		6503.3	340429.8	1.9		10605.3	340253.5	3.1	B31.12-IP-19
28(EXP)		9367.0	340429.8	2.8		14960.2	340253.5	4.4	B31.12-IP-19
42(OCC)		4749.7	183400.5	2.6		4823.2	183400.5	2.6	B31.12-IP-19
43(OCC)		4461.7	183400.5	2.4		4694.5	183400.5	2.6	B31.12-IP-19
44(OCC)		5462.7	183400.5	3.0		5885.5	183400.5	3.2	B31.12-IP-19
45(OCC)		4555.7	183400.5	2.5		5302.6	183400.5	2.9	B31.12-IP-19
46(OCC)		4314.1	183400.5	2.4		4478.1	183400.5	2.4	B31.12-IP-19
47(OCC)		4763.4	183400.5	2.6		4870.5	183400.5	2.7	B31.12-IP-19
48(OCC)		4607.8	183400.5	2.5		4705.1	183400.5	2.6	B31.12-IP-19
49(OCC)		6994.2	183400.5	3.8		7896.5	183400.5	4.3	B31.12-IP-19
50(OCC)		5709.8	183400.5	3.1		6587.2	183400.5	3.6	B31.12-IP-19
51(OCC)		4993.6	183400.5	2.7		5187.4	183400.5	2.8	B31.12-IP-19
52(OCC)		4668.8	183400.5	2.5		4942.1	183400.5	2.7	B31.12-IP-19
53(OCC)		5592.6	183400.5	3.0		6109.0	183400.5	3.3	B31.12-IP-19
54(OCC)		4679.6	183400.5	2.6		5480.1	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	6659	4473.1	137895.1	3.2	6660	4287.2	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		4124.2	137895.1	3.0		4245.4	137895.1	3.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		4478.1	137895.1	3.2		4294.6	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		4484.4	137895.1	3.3		4313.8	137895.1	3.1	B31.12-IP-19
14(SUS)		4471.1	137895.1	3.2		4263.9	137895.1	3.1	B31.12-IP-19
24(EXP)		18754.3	340253.5	5.5		19840.8	340424.1	5.8	B31.12-IP-19
25(EXP)		4373.4	340253.5	1.3		4568.1	340424.1	1.3	B31.12-IP-19
26(EXP)		2841.7	340253.5	0.8		2963.5	340424.1	0.9	B31.12-IP-19
27(EXP)		10605.3	340253.5	3.1		11298.5	340424.1	3.3	B31.12-IP-19
28(EXP)		14960.2	340253.5	4.4		15854.8	340424.1	4.7	B31.12-IP-19
42(OCC)		4823.2	183400.5	2.6		4495.4	183400.5	2.5	B31.12-IP-19
43(OCC)		4694.5	183400.5	2.6		5045.9	183400.5	2.8	B31.12-IP-19
44(OCC)		5885.5	183400.5	3.2		6339.0	183400.5	3.5	B31.12-IP-19
45(OCC)		5302.6	183400.5	2.9		5376.6	183400.5	2.9	B31.12-IP-19
46(OCC)		4478.1	183400.5	2.4		4270.3	183400.5	2.3	B31.12-IP-19
47(OCC)		4870.5	183400.5	2.7		4798.6	183400.5	2.6	B31.12-IP-19
48(OCC)		4705.1	183400.5	2.6		4907.6	183400.5	2.7	B31.12-IP-19
49(OCC)		7896.5	183400.5	4.3		9344.9	183400.5	5.1	B31.12-IP-19
50(OCC)		6587.2	183400.5	3.6		7124.9	183400.5	3.9	B31.12-IP-19
51(OCC)		5187.4	183400.5	2.8		4372.0	183400.5	2.4	B31.12-IP-19
52(OCC)		4942.1	183400.5	2.7		5357.2	183400.5	2.9	B31.12-IP-19
53(OCC)		6109.0	183400.5	3.3		6687.5	183400.5	3.6	B31.12-IP-19
54(OCC)		5480.1	183400.5	3.0		5490.7	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	6660	4163.5	137895.1	3.0	1090	4149.3	137895.1	3.0	B31.12-IP-19
4(Alt-SUS)		4137.5	137895.1	3.0		4620.0	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		4166.4	137895.1	3.0		4157.6	137895.1	3.0	B31.12-IP-19
8(Alt-SUS)		4173.6	137895.1	3.0		4172.4	137895.1	3.0	B31.12-IP-19
14(SUS)		4154.4	137895.1	3.0		4126.6	137895.1	3.0	B31.12-IP-19
24(EXP)		8580.7	340564.3	2.5		11310.8	340117.8	3.3	B31.12-IP-19
25(EXP)		1996.6	340564.3	0.6		2888.9	340117.8	0.8	B31.12-IP-19
26(EXP)		1180.6	340564.3	0.3		1635.1	340117.8	0.5	B31.12-IP-19
27(EXP)		4306.4	340564.3	1.3		5842.6	340117.8	1.7	B31.12-IP-19
28(EXP)		6289.7	340564.3	1.8		8726.4	340117.8	2.6	B31.12-IP-19
42(OCC)		4245.6	183400.5	2.3		4888.3	183400.5	2.7	B31.12-IP-19
43(OCC)		4440.3	183400.5	2.4		5116.5	183400.5	2.8	B31.12-IP-19
44(OCC)		5092.5	183400.5	2.8		5013.4	183400.5	2.7	B31.12-IP-19
45(OCC)		4592.1	183400.5	2.5		4576.3	183400.5	2.5	B31.12-IP-19
46(OCC)		4156.9	183400.5	2.3		4127.8	183400.5	2.3	B31.12-IP-19
47(OCC)		4440.1	183400.5	2.4		5140.0	183400.5	2.8	B31.12-IP-19
48(OCC)		4398.3	183400.5	2.4		5204.3	183400.5	2.8	B31.12-IP-19
49(OCC)		6474.0	183400.5	3.5		6390.3	183400.5	3.5	B31.12-IP-19
50(OCC)		5224.9	183400.5	2.8		5585.4	183400.5	3.0	B31.12-IP-19
51(OCC)		4227.0	183400.5	2.3		4949.9	183400.5	2.7	B31.12-IP-19
52(OCC)		4609.6	183400.5	2.5		5377.5	183400.5	2.9	B31.12-IP-19
53(OCC)		5239.0	183400.5	2.9		5035.4	183400.5	2.7	B31.12-IP-19
54(OCC)		4653.6	183400.5	2.5		4563.9	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	6640	71409.3	137895.1	51.8	6690	52426.2	137895.1	38.0	B31.12-IP-19
4(Alt-SUS)		70612.6	137895.1	51.2		52058.6	137895.1	37.8	B31.12-IP-19
6(Alt-SUS)		70213.0	137895.1	50.9		51898.0	137895.1	37.6	B31.12-IP-19
8(Alt-SUS)		70231.0	137895.1	50.9		51906.5	137895.1	37.6	B31.12-IP-19
14(SUS)		70209.4	137895.1	50.9		51895.0	137895.1	37.6	B31.12-IP-19
24(EXP)		39706.8	273328.5	14.5		9234.3	292311.7	3.2	B31.12-IP-19
25(EXP)		10820.1	273328.5	4.0		2522.7	292311.7	0.9	B31.12-IP-19
26(EXP)		7720.7	273328.5	2.8		1796.1	292311.7	0.6	B31.12-IP-19
27(EXP)		27175.4	273328.5	9.9		6320.7	292311.7	2.2	B31.12-IP-19
28(EXP)		37991.5	273328.5	13.9		8842.7	292311.7	3.0	B31.12-IP-19
42(OCC)		70801.7	183400.5	38.6		52107.7	183400.5	28.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		70737.0	183400.5	38.6		52113.7	183400.5	28.4	B31.12-IP-19
44(OCC)		71050.9	183400.5	38.7		52169.5	183400.5	28.4	B31.12-IP-19
45(OCC)		70332.2	183400.5	38.3		51985.5	183400.5	28.3	B31.12-IP-19
46(OCC)		70251.9	183400.5	38.3		51914.5	183400.5	28.3	B31.12-IP-19
47(OCC)		91357.8	183400.5	49.8		57690.4	183400.5	31.5	B31.12-IP-19
48(OCC)		86357.0	183400.5	47.1		56590.2	183400.5	30.9	B31.12-IP-19
49(OCC)		83862.3	183400.5	45.7		56796.3	183400.5	31.0	B31.12-IP-19
50(OCC)		82377.3	183400.5	44.9		55786.7	183400.5	30.4	B31.12-IP-19
51(OCC)		86998.5	183400.5	47.4		57063.9	183400.5	31.1	B31.12-IP-19
52(OCC)		92025.2	183400.5	50.2		58303.9	183400.5	31.8	B31.12-IP-19
53(OCC)		83417.7	183400.5	45.5		56096.6	183400.5	30.6	B31.12-IP-19
54(OCC)		85596.9	183400.5	46.7		57137.0	183400.5	31.2	B31.12-IP-19
2(Alt-SUS)	6690	52426.2	137895.1	38.0	6700	40904.1	137895.1	29.7	B31.12-IP-19
4(Alt-SUS)		52058.6	137895.1	37.8		39841.1	137895.1	28.9	B31.12-IP-19
6(Alt-SUS)		51898.0	137895.1	37.6		39413.9	137895.1	28.6	B31.12-IP-19
8(Alt-SUS)		51906.5	137895.1	37.6		39437.7	137895.1	28.6	B31.12-IP-19
14(SUS)		51895.0	137895.1	37.6		39408.5	137895.1	28.6	B31.12-IP-19
24(EXP)		9234.3	292311.7	3.2		12716.3	303833.8	4.2	B31.12-IP-19
25(EXP)		2522.7	292311.7	0.9		3554.3	303833.8	1.2	B31.12-IP-19
26(EXP)		1796.1	292311.7	0.6		2505.2	303833.8	0.8	B31.12-IP-19
27(EXP)		6320.7	292311.7	2.2		8822.3	303833.8	2.9	B31.12-IP-19
28(EXP)		8842.7	292311.7	3.0		12375.9	303833.8	4.1	B31.12-IP-19
42(OCC)		52107.7	183400.5	28.4		39724.2	183400.5	21.7	B31.12-IP-19
43(OCC)		52113.7	183400.5	28.4		39745.3	183400.5	21.7	B31.12-IP-19
44(OCC)		52169.5	183400.5	28.4		39752.0	183400.5	21.7	B31.12-IP-19
45(OCC)		51985.5	183400.5	28.3		39596.8	183400.5	21.6	B31.12-IP-19
46(OCC)		51914.5	183400.5	28.3		39463.3	183400.5	21.5	B31.12-IP-19
47(OCC)		57690.4	183400.5	31.5		46680.6	183400.5	25.5	B31.12-IP-19
48(OCC)		56590.2	183400.5	30.9		45096.5	183400.5	24.6	B31.12-IP-19
49(OCC)		56796.3	183400.5	31.0		45745.2	183400.5	24.9	B31.12-IP-19
50(OCC)		55786.7	183400.5	30.4		43754.6	183400.5	23.9	B31.12-IP-19
51(OCC)		57063.9	183400.5	31.1		45646.3	183400.5	24.9	B31.12-IP-19
52(OCC)		58303.9	183400.5	31.8		47581.4	183400.5	25.9	B31.12-IP-19
53(OCC)		56096.6	183400.5	30.6		44211.3	183400.5	24.1	B31.12-IP-19
54(OCC)		57137.0	183400.5	31.2		46105.5	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	6700	0.0	0.0	0.0	6710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6640	31629.3	137895.1	22.9	7120	26806.6	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		32145.7	137895.1	23.3		26634.1	137895.1	19.3	B31.12-IP-19
6(Alt-SUS)		32488.8	137895.1	23.6		26514.7	137895.1	19.2	B31.12-IP-19
8(Alt-SUS)		32449.6	137895.1	23.5		26529.0	137895.1	19.2	B31.12-IP-19
14(SUS)		32558.3	137895.1	23.6		26488.0	137895.1	19.2	B31.12-IP-19
24(EXP)		33786.7	312179.6	10.8		13446.8	317931.3	4.2	B31.12-IP-19
25(EXP)		8956.2	312179.6	2.9		3603.0	317931.3	1.1	B31.12-IP-19
26(EXP)		6416.4	312179.6	2.1		2590.4	317931.3	0.8	B31.12-IP-19
27(EXP)		23377.0	312179.6	7.5		9339.3	317931.3	2.9	B31.12-IP-19
28(EXP)		32330.6	312179.6	10.4		12941.9	317931.3	4.1	B31.12-IP-19
42(OCC)		33494.3	183400.5	18.3		26944.3	183400.5	14.7	B31.12-IP-19
43(OCC)		32992.2	183400.5	18.0		26769.6	183400.5	14.6	B31.12-IP-19
44(OCC)		34301.3	183400.5	18.7		27257.1	183400.5	14.9	B31.12-IP-19
45(OCC)		33287.7	183400.5	18.2		27112.3	183400.5	14.8	B31.12-IP-19
46(OCC)		32578.0	183400.5	17.8		26495.2	183400.5	14.4	B31.12-IP-19
47(OCC)		44433.2	183400.5	24.2		29291.9	183400.5	16.0	B31.12-IP-19
48(OCC)		38895.2	183400.5	21.2		29774.9	183400.5	16.2	B31.12-IP-19
49(OCC)		44511.6	183400.5	24.3		34895.2	183400.5	19.0	B31.12-IP-19
50(OCC)		47941.4	183400.5	26.1		37070.7	183400.5	20.2	B31.12-IP-19
51(OCC)		41979.4	183400.5	22.9		31343.8	183400.5	17.1	B31.12-IP-19
52(OCC)		44169.9	183400.5	24.1		28221.9	183400.5	15.4	B31.12-IP-19
53(OCC)		45363.6	183400.5	24.7		36700.6	183400.5	20.0	B31.12-IP-19
54(OCC)		49473.1	183400.5	27.0		35861.2	183400.5	19.6	B31.12-IP-19
2(Alt-SUS)	7120	26806.6	137895.1	19.4	7130	25689.7	137895.1	18.6	B31.12-IP-19
4(Alt-SUS)		26634.1	137895.1	19.3		25331.5	137895.1	18.4	B31.12-IP-19
6(Alt-SUS)		26514.7	137895.1	19.2		25083.0	137895.1	18.2	B31.12-IP-19
8(Alt-SUS)		26529.0	137895.1	19.2		25113.0	137895.1	18.2	B31.12-IP-19
14(SUS)		26488.0	137895.1	19.2		25027.2	137895.1	18.1	B31.12-IP-19
24(EXP)		13446.8	317931.3	4.2		33357.0	319048.1	10.5	B31.12-IP-19
25(EXP)		3603.0	317931.3	1.1		9018.5	319048.1	2.8	B31.12-IP-19
26(EXP)		2590.4	317931.3	0.8		6490.8	319048.1	2.0	B31.12-IP-19
27(EXP)		9339.3	317931.3	2.9		23246.4	319048.1	7.3	B31.12-IP-19
28(EXP)		12941.9	317931.3	4.1		32264.2	319048.1	10.1	B31.12-IP-19
42(OCC)		26944.3	183400.5	14.7		26239.5	183400.5	14.3	B31.12-IP-19
43(OCC)		26769.6	183400.5	14.6		25873.7	183400.5	14.1	B31.12-IP-19
44(OCC)		27257.1	183400.5	14.9		26773.3	183400.5	14.6	B31.12-IP-19
45(OCC)		27112.3	183400.5	14.8		26585.3	183400.5	14.5	B31.12-IP-19
46(OCC)		26495.2	183400.5	14.4		25041.4	183400.5	13.7	B31.12-IP-19
47(OCC)		29291.9	183400.5	16.0		33151.9	183400.5	18.1	B31.12-IP-19
48(OCC)		29774.9	183400.5	16.2		32323.7	183400.5	17.6	B31.12-IP-19
49(OCC)		34895.2	183400.5	19.0		45713.6	183400.5	24.9	B31.12-IP-19
50(OCC)		37070.7	183400.5	20.2		50433.3	183400.5	27.5	B31.12-IP-19
51(OCC)		31343.8	183400.5	17.1		35861.1	183400.5	19.6	B31.12-IP-19
52(OCC)		28221.9	183400.5	15.4		30852.6	183400.5	16.8	B31.12-IP-19
53(OCC)		36700.6	183400.5	20.0		50399.0	183400.5	27.5	B31.12-IP-19
54(OCC)		35861.2	183400.5	19.6		46333.8	183400.5	25.3	B31.12-IP-19
2(Alt-SUS)	7130	0.0	0.0	0.0	6420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	6230	0.0	0.0	0.0	7190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	7190	43698.5	137895.1	31.7	7200	45832.6	137895.1	33.2	B31.12-IP-19
4(Alt-SUS)		44076.8	137895.1	32.0		47197.5	137895.1	34.2	B31.12-IP-19
6(Alt-SUS)		44187.2	137895.1	32.0		47694.4	137895.1	34.6	B31.12-IP-19
8(Alt-SUS)		44180.4	137895.1	32.0		47666.1	137895.1	34.6	B31.12-IP-19
14(SUS)		44182.5	137895.1	32.0		47691.4	137895.1	34.6	B31.12-IP-19
24(EXP)		12128.0	300550.6	4.0		11271.8	297043.4	3.8	B31.12-IP-19
25(EXP)		3389.1	300550.6	1.1		3433.6	297043.4	1.2	B31.12-IP-19
26(EXP)		2439.1	300550.6	0.8		2473.0	297043.4	0.8	B31.12-IP-19
27(EXP)		8588.1	300550.6	2.9		8752.7	297043.4	2.9	B31.12-IP-19
28(EXP)		11976.3	300550.6	4.0		12186.1	297043.4	4.1	B31.12-IP-19
42(OCC)		44550.0	183400.5	24.3		48119.2	183400.5	26.2	B31.12-IP-19
43(OCC)		44572.1	183400.5	24.3		48154.2	183400.5	26.3	B31.12-IP-19
44(OCC)		44832.5	183400.5	24.4		48457.7	183400.5	26.4	B31.12-IP-19
45(OCC)		44344.1	183400.5	24.2		47920.3	183400.5	26.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		44203.0	183400.5	24.1		47760.5	183400.5	26.0	B31.12-IP-19
47(OCC)		54889.7	183400.5	29.9		61040.3	183400.5	33.3	B31.12-IP-19
48(OCC)		53003.0	183400.5	28.9		59198.7	183400.5	32.3	B31.12-IP-19
49(OCC)		53479.9	183400.5	29.2		58008.8	183400.5	31.6	B31.12-IP-19
50(OCC)		50677.5	183400.5	27.6		56949.0	183400.5	31.1	B31.12-IP-19
51(OCC)		54641.6	183400.5	29.8		60802.5	183400.5	33.2	B31.12-IP-19
52(OCC)		56493.1	183400.5	30.8		62535.3	183400.5	34.1	B31.12-IP-19
53(OCC)		50817.0	183400.5	27.7		56834.7	183400.5	31.0	B31.12-IP-19
54(OCC)		53873.0	183400.5	29.4		58177.0	183400.5	31.7	B31.12-IP-19
2(Alt-SUS)	7200	45832.6	137895.1	33.2	7210	40620.7	137895.1	29.5	B31.12-IP-19
4(Alt-SUS)		47197.5	137895.1	34.2		41898.8	137895.1	30.4	B31.12-IP-19
6(Alt-SUS)		47694.5	137895.1	34.6		42380.0	137895.1	30.7	B31.12-IP-19
8(Alt-SUS)		47666.2	137895.1	34.6		42353.5	137895.1	30.7	B31.12-IP-19
14(SUS)		47692.0	137895.1	34.6		42377.5	137895.1	30.7	B31.12-IP-19
24(EXP)		11271.8	297043.4	3.8		7158.7	302357.8	2.4	B31.12-IP-19
25(EXP)		3433.6	297043.4	1.2		2356.9	302357.8	0.8	B31.12-IP-19
26(EXP)		2473.0	297043.4	0.8		1677.2	302357.8	0.6	B31.12-IP-19
27(EXP)		8752.7	297043.4	2.9		5951.4	302357.8	2.0	B31.12-IP-19
28(EXP)		12186.1	297043.4	4.1		8308.0	302357.8	2.7	B31.12-IP-19
42(OCC)		48112.5	183400.5	26.2		42661.0	183400.5	23.3	B31.12-IP-19
43(OCC)		48121.9	183400.5	26.2		42685.4	183400.5	23.3	B31.12-IP-19
44(OCC)		48450.0	183400.5	26.4		42979.0	183400.5	23.4	B31.12-IP-19
45(OCC)		47914.1	183400.5	26.1		42589.5	183400.5	23.2	B31.12-IP-19
46(OCC)		47760.4	183400.5	26.0		42442.0	183400.5	23.1	B31.12-IP-19
47(OCC)		60998.5	183400.5	33.3		51287.9	183400.5	28.0	B31.12-IP-19
48(OCC)		58916.5	183400.5	32.1		49810.1	183400.5	27.2	B31.12-IP-19
49(OCC)		57630.5	183400.5	31.4		49810.8	183400.5	27.2	B31.12-IP-19
50(OCC)		57394.4	183400.5	31.3		49536.7	183400.5	27.0	B31.12-IP-19
51(OCC)		59903.3	183400.5	32.7		50667.3	183400.5	27.6	B31.12-IP-19
52(OCC)		61429.9	183400.5	33.5		51711.5	183400.5	28.2	B31.12-IP-19
53(OCC)		57427.5	183400.5	31.3		49437.3	183400.5	27.0	B31.12-IP-19
54(OCC)		57775.5	183400.5	31.5		49657.6	183400.5	27.1	B31.12-IP-19
2(Alt-SUS)	7210	0.0	0.0	0.0	7220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	7220	0.0	0.0	0.0	6710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13490	0.0	0.0	0.0	13500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13500	0.0	0.0	0.0	13510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
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CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13510	0.0	0.0	0.0	13520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13510	0.0	0.0	0.0	13530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13530	0.0	0.0	0.0	13535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	13540	2292.6	137895.1	1.7	13550	2294.1	137895.1	1.7	B31.12-IP-19
4(Alt-SUS)		2150.7	137895.1	1.6		2160.3	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2127.4	137895.1	1.5		2135.4	137895.1	1.5	B31.12-IP-19
8(Alt-SUS)		2128.1	137895.1	1.5		2136.3	137895.1	1.5	B31.12-IP-19
14(SUS)		2118.7	137895.1	1.5		2128.2	137895.1	1.5	B31.12-IP-19
24(EXP)		5739.8	342445.2	1.7		4952.0	342443.8	1.4	B31.12-IP-19
25(EXP)		1699.5	342445.2	0.5		1464.0	342443.8	0.4	B31.12-IP-19
26(EXP)		1217.3	342445.2	0.4		1050.7	342443.8	0.3	B31.12-IP-19
27(EXP)		4266.7	342445.2	1.2		3680.0	342443.8	1.1	B31.12-IP-19
28(EXP)		5965.9	342445.2	1.7		5143.6	342443.8	1.5	B31.12-IP-19
42(OCC)		2225.3	183400.5	1.2		2213.5	183400.5	1.2	B31.12-IP-19
43(OCC)		2231.1	183400.5	1.2		2218.3	183400.5	1.2	B31.12-IP-19
44(OCC)		2300.9	183400.5	1.3		2278.9	183400.5	1.2	B31.12-IP-19
45(OCC)		2303.7	183400.5	1.3		2281.4	183400.5	1.2	B31.12-IP-19
46(OCC)		2126.8	183400.5	1.2		2134.9	183400.5	1.2	B31.12-IP-19
47(OCC)		3191.1	183400.5	1.7		2989.2	183400.5	1.6	B31.12-IP-19
48(OCC)		3249.4	183400.5	1.8		3040.7	183400.5	1.7	B31.12-IP-19
49(OCC)		2800.7	183400.5	1.5		2650.9	183400.5	1.4	B31.12-IP-19
50(OCC)		3007.0	183400.5	1.6		2831.3	183400.5	1.5	B31.12-IP-19
51(OCC)		3200.6	183400.5	1.7		2998.8	183400.5	1.6	B31.12-IP-19
52(OCC)		3288.0	183400.5	1.8		3072.2	183400.5	1.7	B31.12-IP-19
53(OCC)		2779.3	183400.5	1.5		2633.4	183400.5	1.4	B31.12-IP-19
54(OCC)		2816.3	183400.5	1.5		2660.7	183400.5	1.5	B31.12-IP-19
2(Alt-SUS)	13550	4009.8	137895.1	2.9	13560	4004.9	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3762.3	137895.1	2.7		3776.6	137895.1	2.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		3716.6	137895.1	2.7		3726.2	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3718.2	137895.1	2.7		3728.4	137895.1	2.7	B31.12-IP-19
14(SUS)		3703.2	137895.1	2.7		3716.8	137895.1	2.7	B31.12-IP-19
24(EXP)		9212.8	340728.0	2.7		7407.0	340732.9	2.2	B31.12-IP-19
25(EXP)		2723.6	340728.0	0.8		2179.4	340732.9	0.6	B31.12-IP-19
26(EXP)		1954.7	340728.0	0.6		1570.5	340732.9	0.5	B31.12-IP-19
27(EXP)		6846.3	340728.0	2.0		5492.6	340732.9	1.6	B31.12-IP-19
28(EXP)		9569.3	340728.0	2.8		7671.4	340732.9	2.3	B31.12-IP-19
42(OCC)		3861.9	183400.5	2.1		3830.1	183400.5	2.1	B31.12-IP-19
43(OCC)		3870.7	183400.5	2.1		3836.0	183400.5	2.1	B31.12-IP-19
44(OCC)		3983.5	183400.5	2.2		3926.0	183400.5	2.1	B31.12-IP-19
45(OCC)		3988.2	183400.5	2.2		3930.0	183400.5	2.1	B31.12-IP-19
46(OCC)		3715.6	183400.5	2.0		3725.5	183400.5	2.0	B31.12-IP-19
47(OCC)		5303.1	183400.5	2.9		4858.8	183400.5	2.6	B31.12-IP-19
48(OCC)		5397.5	183400.5	2.9		4935.6	183400.5	2.7	B31.12-IP-19
49(OCC)		4673.5	183400.5	2.5		4355.0	183400.5	2.4	B31.12-IP-19
50(OCC)		5007.1	183400.5	2.7		4623.5	183400.5	2.5	B31.12-IP-19
51(OCC)		5320.2	183400.5	2.9		4876.5	183400.5	2.7	B31.12-IP-19
52(OCC)		5457.9	183400.5	3.0		4978.5	183400.5	2.7	B31.12-IP-19
53(OCC)		4640.6	183400.5	2.5		4332.0	183400.5	2.4	B31.12-IP-19
54(OCC)		4692.0	183400.5	2.6		4359.1	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	13560	0.0	0.0	0.0	13570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8020	0.0	0.0	0.0	8030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8030	36350.0	137895.1	26.4	8040	36203.9	137895.1	26.3	B31.12-IP-19
4(Alt-SUS)		34832.9	137895.1	25.3		34862.7	137895.1	25.3	B31.12-IP-19
6(Alt-SUS)		34893.3	137895.1	25.3		34912.0	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		34866.9	137895.1	25.3		34890.2	137895.1	25.3	B31.12-IP-19
14(SUS)		34771.4	137895.1	25.2		34815.0	137895.1	25.2	B31.12-IP-19
24(EXP)		48827.2	308387.8	15.8		43763.8	308534.0	14.2	B31.12-IP-19
25(EXP)		13404.2	308387.8	4.3		11996.8	308534.0	3.9	B31.12-IP-19
26(EXP)		10137.8	308387.8	3.3		9100.1	308534.0	2.9	B31.12-IP-19
27(EXP)		34761.3	308387.8	11.3		31179.1	308534.0	10.1	B31.12-IP-19
28(EXP)		48156.0	308387.8	15.6		43170.1	308534.0	14.0	B31.12-IP-19
42(OCC)		35391.6	183400.5	19.3		35268.4	183400.5	19.2	B31.12-IP-19
43(OCC)		35403.6	183400.5	19.3		35271.8	183400.5	19.2	B31.12-IP-19
44(OCC)		35880.7	183400.5	19.6		35644.7	183400.5	19.4	B31.12-IP-19
45(OCC)		35924.5	183400.5	19.6		35680.2	183400.5	19.5	B31.12-IP-19
46(OCC)		34793.8	183400.5	19.0		34839.8	183400.5	19.0	B31.12-IP-19
47(OCC)		40747.8	183400.5	22.2		39340.5	183400.5	21.5	B31.12-IP-19
48(OCC)		41214.3	183400.5	22.5		39728.8	183400.5	21.7	B31.12-IP-19
49(OCC)		37631.5	183400.5	20.5		36689.0	183400.5	20.0	B31.12-IP-19
50(OCC)		38933.3	183400.5	21.2		37859.2	183400.5	20.6	B31.12-IP-19
51(OCC)		41171.2	183400.5	22.4		39722.3	183400.5	21.7	B31.12-IP-19
52(OCC)		41093.3	183400.5	22.4		39612.8	183400.5	21.6	B31.12-IP-19
53(OCC)		37718.4	183400.5	20.6		36881.3	183400.5	20.1	B31.12-IP-19
54(OCC)		37773.9	183400.5	20.6		36734.3	183400.5	20.0	B31.12-IP-19
2(Alt-SUS)	8040	0.0	0.0	0.0	8050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8050	0.0	0.0	0.0	8060	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8060	36208.2	137895.1	26.3	8068	36141.2	137895.1	26.2	B31.12-IP-19
4(Alt-SUS)		35128.3	137895.1	25.5		35167.8	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		35155.4	137895.1	25.5		35181.6	137895.1	25.5	B31.12-IP-19
8(Alt-SUS)		35142.8	137895.1	25.5		35174.5	137895.1	25.5	B31.12-IP-19
14(SUS)		35110.0	137895.1	25.5		35167.4	137895.1	25.5	B31.12-IP-19
24(EXP)		42454.7	308529.7	13.8		46306.1	308596.6	15.0	B31.12-IP-19
25(EXP)		11704.3	308529.7	3.8		12842.9	308596.6	4.2	B31.12-IP-19
26(EXP)		8766.4	308529.7	2.8		9492.4	308596.6	3.1	B31.12-IP-19
27(EXP)		30193.3	308529.7	9.8		32860.1	308596.6	10.6	B31.12-IP-19
28(EXP)		41896.2	308529.7	13.6		45702.5	308596.6	14.8	B31.12-IP-19
42(OCC)		35335.6	183400.5	19.3		35325.8	183400.5	19.3	B31.12-IP-19
43(OCC)		35321.2	183400.5	19.3		35306.4	183400.5	19.3	B31.12-IP-19
44(OCC)		35492.6	183400.5	19.4		35329.3	183400.5	19.3	B31.12-IP-19
45(OCC)		35512.9	183400.5	19.4		35340.5	183400.5	19.3	B31.12-IP-19
46(OCC)		35156.5	183400.5	19.2		35227.7	183400.5	19.2	B31.12-IP-19
47(OCC)		38010.5	183400.5	20.7		37756.2	183400.5	20.6	B31.12-IP-19
48(OCC)		38110.8	183400.5	20.8		37778.3	183400.5	20.6	B31.12-IP-19
49(OCC)		35788.9	183400.5	19.5		35567.9	183400.5	19.4	B31.12-IP-19
50(OCC)		36678.6	183400.5	20.0		36401.4	183400.5	19.8	B31.12-IP-19
51(OCC)		38178.1	183400.5	20.8		37866.1	183400.5	20.6	B31.12-IP-19
52(OCC)		38197.8	183400.5	20.8		37931.0	183400.5	20.7	B31.12-IP-19
53(OCC)		36033.2	183400.5	19.6		35809.4	183400.5	19.5	B31.12-IP-19
54(OCC)		35662.1	183400.5	19.4		35400.9	183400.5	19.3	B31.12-IP-19
2(Alt-SUS)	8068	37603.7	137895.1	27.3	8069	37077.0	137895.1	26.9	B31.12-IP-19
4(Alt-SUS)		35768.3	137895.1	25.9		35648.0	137895.1	25.9	B31.12-IP-19
6(Alt-SUS)		35796.1	137895.1	26.0		35643.8	137895.1	25.8	B31.12-IP-19
8(Alt-SUS)		35782.0	137895.1	25.9		35643.3	137895.1	25.8	B31.12-IP-19
14(SUS)		35765.1	137895.1	25.9		35678.8	137895.1	25.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		79719.8	307134.2	26.0		65278.8	307660.8	21.2	B31.12-IP-19
25(EXP)		22069.9	307134.2	7.2		18171.1	307660.8	5.9	B31.12-IP-19
26(EXP)		16359.1	307134.2	5.3		13232.3	307660.8	4.3	B31.12-IP-19
27(EXP)		56627.9	307134.2	18.4		46112.3	307660.8	15.0	B31.12-IP-19
28(EXP)		78696.2	307134.2	25.6		64282.3	307660.8	20.9	B31.12-IP-19
42(OCC)		35937.6	183400.5	19.6		35812.7	183400.5	19.5	B31.12-IP-19
43(OCC)		35915.4	183400.5	19.6		35817.9	183400.5	19.5	B31.12-IP-19
44(OCC)		36077.3	183400.5	19.7		35862.1	183400.5	19.6	B31.12-IP-19
45(OCC)		36101.4	183400.5	19.7		35853.0	183400.5	19.5	B31.12-IP-19
46(OCC)		35875.4	183400.5	19.6		35793.5	183400.5	19.5	B31.12-IP-19
47(OCC)		38551.7	183400.5	21.0		38423.8	183400.5	21.0	B31.12-IP-19
48(OCC)		38417.6	183400.5	20.9		38292.5	183400.5	20.9	B31.12-IP-19
49(OCC)		36432.6	183400.5	19.9		36339.9	183400.5	19.8	B31.12-IP-19
50(OCC)		37882.2	183400.5	20.7		37297.1	183400.5	20.3	B31.12-IP-19
51(OCC)		38508.8	183400.5	21.0		38376.5	183400.5	20.9	B31.12-IP-19
52(OCC)		38779.6	183400.5	21.1		38682.7	183400.5	21.1	B31.12-IP-19
53(OCC)		37033.5	183400.5	20.2		36381.3	183400.5	19.8	B31.12-IP-19
54(OCC)		36083.0	183400.5	19.7		36698.6	183400.5	20.0	B31.12-IP-19
2(Alt-SUS)	8069	37077.0	137895.1	26.9	8070	35629.6	137895.1	25.8	B31.12-IP-19
4(Alt-SUS)		35648.0	137895.1	25.9		35129.9	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		35643.8	137895.1	25.8		35113.8	137895.1	25.5	B31.12-IP-19
8(Alt-SUS)		35643.3	137895.1	25.8		35119.1	137895.1	25.5	B31.12-IP-19
14(SUS)		35678.8	137895.1	25.9		35156.1	137895.1	25.5	B31.12-IP-19
24(EXP)		65278.8	307660.8	21.2		58096.7	309108.2	18.8	B31.12-IP-19
25(EXP)		18171.1	307660.8	5.9		16124.5	309108.2	5.2	B31.12-IP-19
26(EXP)		13232.3	307660.8	4.3		11852.8	309108.2	3.8	B31.12-IP-19
27(EXP)		46112.3	307660.8	15.0		41091.6	309108.2	13.3	B31.12-IP-19
28(EXP)		64282.3	307660.8	20.9		57214.7	309108.2	18.5	B31.12-IP-19
42(OCC)		35812.7	183400.5	19.5		35262.5	183400.5	19.2	B31.12-IP-19
43(OCC)		35817.9	183400.5	19.5		35270.4	183400.5	19.2	B31.12-IP-19
44(OCC)		35862.1	183400.5	19.6		35408.0	183400.5	19.3	B31.12-IP-19
45(OCC)		35853.0	183400.5	19.5		35418.5	183400.5	19.3	B31.12-IP-19
46(OCC)		35793.5	183400.5	19.5		35211.9	183400.5	19.2	B31.12-IP-19
47(OCC)		38423.8	183400.5	21.0		37267.8	183400.5	20.3	B31.12-IP-19
48(OCC)		38292.5	183400.5	20.9		37267.4	183400.5	20.3	B31.12-IP-19
49(OCC)		36339.9	183400.5	19.8		35644.5	183400.5	19.4	B31.12-IP-19
50(OCC)		37297.1	183400.5	20.3		37020.8	183400.5	20.2	B31.12-IP-19
51(OCC)		38376.5	183400.5	20.9		37363.3	183400.5	20.4	B31.12-IP-19
52(OCC)		38682.7	183400.5	21.1		37414.5	183400.5	20.4	B31.12-IP-19
53(OCC)		36381.3	183400.5	19.8		35571.5	183400.5	19.4	B31.12-IP-19
54(OCC)		36698.6	183400.5	20.0		35941.0	183400.5	19.6	B31.12-IP-19
2(Alt-SUS)	8070	35092.4	137895.1	25.4	8078	34667.4	137895.1	25.1	B31.12-IP-19
4(Alt-SUS)		34830.3	137895.1	25.3		34582.0	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34820.6	137895.1	25.3		34565.6	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34824.0	137895.1	25.3		34572.2	137895.1	25.1	B31.12-IP-19
14(SUS)		34845.8	137895.1	25.3		34600.4	137895.1	25.1	B31.12-IP-19
24(EXP)		41564.3	309645.5	13.4		37406.4	310070.4	12.1	B31.12-IP-19
25(EXP)		11617.9	309645.5	3.8		10489.4	310070.4	3.4	B31.12-IP-19
26(EXP)		8452.9	309645.5	2.7		7605.8	310070.4	2.5	B31.12-IP-19
27(EXP)		29422.4	309645.5	9.5		26511.0	310070.4	8.6	B31.12-IP-19
28(EXP)		41039.8	309645.5	13.3		37000.0	310070.4	11.9	B31.12-IP-19
42(OCC)		34939.9	183400.5	19.1		34687.7	183400.5	18.9	B31.12-IP-19
43(OCC)		34957.6	183400.5	19.1		34724.0	183400.5	18.9	B31.12-IP-19
44(OCC)		35015.6	183400.5	19.1		34780.1	183400.5	19.0	B31.12-IP-19
45(OCC)		35021.9	183400.5	19.1		34791.1	183400.5	19.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		34877.5	183400.5	19.0		34622.3	183400.5	18.9	B31.12-IP-19
47(OCC)		36503.7	183400.5	19.9		35963.0	183400.5	19.6	B31.12-IP-19
48(OCC)		36520.1	183400.5	19.9		35995.2	183400.5	19.6	B31.12-IP-19
49(OCC)		35306.0	183400.5	19.3		35193.0	183400.5	19.2	B31.12-IP-19
50(OCC)		36188.6	183400.5	19.7		36247.5	183400.5	19.8	B31.12-IP-19
51(OCC)		36528.3	183400.5	19.9		35929.0	183400.5	19.6	B31.12-IP-19
52(OCC)		36639.1	183400.5	20.0		36106.7	183400.5	19.7	B31.12-IP-19
53(OCC)		35138.8	183400.5	19.2		34877.9	183400.5	19.0	B31.12-IP-19
54(OCC)		35398.0	183400.5	19.3		35144.9	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	8078	34764.5	137895.1	25.2	8079	36040.9	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		34622.5	137895.1	25.1		34937.6	137895.1	25.3	B31.12-IP-19
6(Alt-SUS)		34593.8	137895.1	25.1		34937.3	137895.1	25.3	B31.12-IP-19
8(Alt-SUS)		34605.3	137895.1	25.1		34936.7	137895.1	25.3	B31.12-IP-19
14(SUS)		34655.6	137895.1	25.1		34956.8	137895.1	25.4	B31.12-IP-19
24(EXP)		41412.1	309973.4	13.4		45418.8	308696.9	14.7	B31.12-IP-19
25(EXP)		11548.0	309973.4	3.7		12749.8	308696.9	4.1	B31.12-IP-19
26(EXP)		8518.0	309973.4	2.7		9153.9	308696.9	3.0	B31.12-IP-19
27(EXP)		29493.5	309973.4	9.5		31998.4	308696.9	10.4	B31.12-IP-19
28(EXP)		41038.8	309973.4	13.2		44747.8	308696.9	14.5	B31.12-IP-19
42(OCC)		34745.7	183400.5	18.9		35102.3	183400.5	19.1	B31.12-IP-19
43(OCC)		34805.9	183400.5	19.0		35137.5	183400.5	19.2	B31.12-IP-19
44(OCC)		34941.2	183400.5	19.1		35165.7	183400.5	19.2	B31.12-IP-19
45(OCC)		34960.1	183400.5	19.1		35191.8	183400.5	19.2	B31.12-IP-19
46(OCC)		34691.3	183400.5	18.9		35024.2	183400.5	19.1	B31.12-IP-19
47(OCC)		36060.0	183400.5	19.7		37723.9	183400.5	20.6	B31.12-IP-19
48(OCC)		36117.7	183400.5	19.7		37946.9	183400.5	20.7	B31.12-IP-19
49(OCC)		35454.9	183400.5	19.3		35770.8	183400.5	19.5	B31.12-IP-19
50(OCC)		36966.6	183400.5	20.2		37024.4	183400.5	20.2	B31.12-IP-19
51(OCC)		36026.1	183400.5	19.6		37819.2	183400.5	20.6	B31.12-IP-19
52(OCC)		36229.2	183400.5	19.8		38027.1	183400.5	20.7	B31.12-IP-19
53(OCC)		35024.4	183400.5	19.1		35410.4	183400.5	19.3	B31.12-IP-19
54(OCC)		35440.4	183400.5	19.3		35792.9	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	8079	36040.9	137895.1	26.1	8080	36527.6	137895.1	26.5	B31.12-IP-19
4(Alt-SUS)		34937.6	137895.1	25.3		35195.9	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		34937.3	137895.1	25.3		35198.4	137895.1	25.5	B31.12-IP-19
8(Alt-SUS)		34936.7	137895.1	25.3		35196.1	137895.1	25.5	B31.12-IP-19
14(SUS)		34956.8	137895.1	25.4		35207.3	137895.1	25.5	B31.12-IP-19
24(EXP)		45418.8	308696.9	14.7		56989.6	308210.2	18.5	B31.12-IP-19
25(EXP)		12749.8	308696.9	4.1		15885.1	308210.2	5.2	B31.12-IP-19
26(EXP)		9153.9	308696.9	3.0		11676.9	308210.2	3.8	B31.12-IP-19
27(EXP)		31998.4	308696.9	10.4		40436.7	308210.2	13.1	B31.12-IP-19
28(EXP)		44747.8	308696.9	14.5		56320.3	308210.2	18.3	B31.12-IP-19
42(OCC)		35102.3	183400.5	19.1		35392.4	183400.5	19.3	B31.12-IP-19
43(OCC)		35137.5	183400.5	19.2		35358.7	183400.5	19.3	B31.12-IP-19
44(OCC)		35165.7	183400.5	19.2		35378.7	183400.5	19.3	B31.12-IP-19
45(OCC)		35191.8	183400.5	19.2		35367.0	183400.5	19.3	B31.12-IP-19
46(OCC)		35024.2	183400.5	19.1		35296.5	183400.5	19.2	B31.12-IP-19
47(OCC)		37723.9	183400.5	20.6		38532.2	183400.5	21.0	B31.12-IP-19
48(OCC)		37946.9	183400.5	20.7		38813.4	183400.5	21.2	B31.12-IP-19
49(OCC)		35770.8	183400.5	19.5		35952.2	183400.5	19.6	B31.12-IP-19
50(OCC)		37024.4	183400.5	20.2		37131.4	183400.5	20.2	B31.12-IP-19
51(OCC)		37819.2	183400.5	20.6		39005.9	183400.5	21.3	B31.12-IP-19
52(OCC)		38027.1	183400.5	20.7		38731.6	183400.5	21.1	B31.12-IP-19
53(OCC)		35410.4	183400.5	19.3		35822.1	183400.5	19.5	B31.12-IP-19
54(OCC)		35792.9	183400.5	19.5		35864.3	183400.5	19.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	8080	35676.5	137895.1	25.9	8090	41119.7	137895.1	29.8	B31.12-IP-19
4(Alt-SUS)		34929.3	137895.1	25.3		37898.0	137895.1	27.5	B31.12-IP-19
6(Alt-SUS)		34930.2	137895.1	25.3		37894.3	137895.1	27.5	B31.12-IP-19
8(Alt-SUS)		34929.1	137895.1	25.3		37891.8	137895.1	27.5	B31.12-IP-19
14(SUS)		34936.9	137895.1	25.3		37974.3	137895.1	27.5	B31.12-IP-19
24(EXP)		30491.0	309061.3	9.9		55186.3	303618.1	18.2	B31.12-IP-19
25(EXP)		8561.1	309061.3	2.8		15602.0	303618.1	5.1	B31.12-IP-19
26(EXP)		6253.5	309061.3	2.0		11285.0	303618.1	3.7	B31.12-IP-19
27(EXP)		21748.0	309061.3	7.0		39540.1	303618.1	13.0	B31.12-IP-19
28(EXP)		30308.6	309061.3	9.8		55118.0	303618.1	18.2	B31.12-IP-19
42(OCC)		35041.2	183400.5	19.1		38112.0	183400.5	20.8	B31.12-IP-19
43(OCC)		35042.4	183400.5	19.1		38208.1	183400.5	20.8	B31.12-IP-19
44(OCC)		35037.1	183400.5	19.1		38688.0	183400.5	21.1	B31.12-IP-19
45(OCC)		35027.7	183400.5	19.1		38711.9	183400.5	21.1	B31.12-IP-19
46(OCC)		35007.1	183400.5	19.1		38253.5	183400.5	20.9	B31.12-IP-19
47(OCC)		36899.7	183400.5	20.1		40861.7	183400.5	22.3	B31.12-IP-19
48(OCC)		37019.0	183400.5	20.2		38663.2	183400.5	21.1	B31.12-IP-19
49(OCC)		35654.7	183400.5	19.4		40904.1	183400.5	22.3	B31.12-IP-19
50(OCC)		36742.9	183400.5	20.0		41345.5	183400.5	22.5	B31.12-IP-19
51(OCC)		37096.4	183400.5	20.2		39635.2	183400.5	21.6	B31.12-IP-19
52(OCC)		37060.2	183400.5	20.2		41568.7	183400.5	22.7	B31.12-IP-19
53(OCC)		35313.6	183400.5	19.3		39547.1	183400.5	21.6	B31.12-IP-19
54(OCC)		35541.8	183400.5	19.4		41572.1	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	8090	41011.8	137895.1	29.7	8100	44112.5	137895.1	32.0	B31.12-IP-19
4(Alt-SUS)		37900.8	137895.1	27.5		34718.5	137895.1	25.2	B31.12-IP-19
6(Alt-SUS)		37895.2	137895.1	27.5		34707.1	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		37893.5	137895.1	27.5		34725.5	137895.1	25.2	B31.12-IP-19
14(SUS)		37978.8	137895.1	27.5		34685.9	137895.1	25.2	B31.12-IP-19
24(EXP)		55186.3	303726.1	18.2		140043.0	300625.4	46.6	B31.12-IP-19
25(EXP)		15602.0	303726.1	5.1		38195.5	300625.4	12.7	B31.12-IP-19
26(EXP)		11285.0	303726.1	3.7		26838.4	300625.4	8.9	B31.12-IP-19
27(EXP)		39540.1	303726.1	13.0		93949.6	300625.4	31.3	B31.12-IP-19
28(EXP)		55118.0	303726.1	18.1		132142.7	300625.4	44.0	B31.12-IP-19
42(OCC)		38120.3	183400.5	20.8		34817.5	183400.5	19.0	B31.12-IP-19
43(OCC)		38223.5	183400.5	20.8		35212.8	183400.5	19.2	B31.12-IP-19
44(OCC)		38702.5	183400.5	21.1		35291.3	183400.5	19.2	B31.12-IP-19
45(OCC)		38724.2	183400.5	21.1		35308.1	183400.5	19.3	B31.12-IP-19
46(OCC)		38261.3	183400.5	20.9		35202.6	183400.5	19.2	B31.12-IP-19
47(OCC)		40971.9	183400.5	22.3		37891.8	183400.5	20.7	B31.12-IP-19
48(OCC)		38708.8	183400.5	21.1		39455.1	183400.5	21.5	B31.12-IP-19
49(OCC)		40968.9	183400.5	22.3		38644.2	183400.5	21.1	B31.12-IP-19
50(OCC)		41372.0	183400.5	22.6		40742.8	183400.5	22.2	B31.12-IP-19
51(OCC)		39680.3	183400.5	21.6		38126.8	183400.5	20.8	B31.12-IP-19
52(OCC)		41644.2	183400.5	22.7		39367.9	183400.5	21.5	B31.12-IP-19
53(OCC)		39551.6	183400.5	21.6		37764.8	183400.5	20.6	B31.12-IP-19
54(OCC)		41605.9	183400.5	22.7		38289.7	183400.5	20.9	B31.12-IP-19
2(Alt-SUS)	8100	35761.5	137895.1	25.9	8108	35137.8	137895.1	25.5	B31.12-IP-19
4(Alt-SUS)		38985.0	137895.1	28.3		35128.3	137895.1	25.5	B31.12-IP-19
6(Alt-SUS)		38988.1	137895.1	28.3		35127.6	137895.1	25.5	B31.12-IP-19
8(Alt-SUS)		38997.6	137895.1	28.3		35130.6	137895.1	25.5	B31.12-IP-19
14(SUS)		38932.4	137895.1	28.2		35108.8	137895.1	25.5	B31.12-IP-19
24(EXP)		43748.0	305740.2	14.3		14466.5	309600.0	4.7	B31.12-IP-19
25(EXP)		11814.0	305740.2	3.9		3910.9	309600.0	1.3	B31.12-IP-19
26(EXP)		8414.3	305740.2	2.8		2689.7	309600.0	0.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		29109.2	305740.2	9.5		9468.5	309600.0	3.1	B31.12-IP-19
28(EXP)		40921.3	305740.2	13.4		13377.5	309600.0	4.3	B31.12-IP-19
42(OCC)		39098.7	183400.5	21.3		35187.4	183400.5	19.2	B31.12-IP-19
43(OCC)		39065.0	183400.5	21.3		35161.5	183400.5	19.2	B31.12-IP-19
44(OCC)		39347.9	183400.5	21.5		35174.9	183400.5	19.2	B31.12-IP-19
45(OCC)		39402.1	183400.5	21.5		35218.7	183400.5	19.2	B31.12-IP-19
46(OCC)		39248.3	183400.5	21.4		35246.6	183400.5	19.2	B31.12-IP-19
47(OCC)		44257.6	183400.5	24.1		37701.9	183400.5	20.6	B31.12-IP-19
48(OCC)		40290.9	183400.5	22.0		37057.5	183400.5	20.2	B31.12-IP-19
49(OCC)		43242.0	183400.5	23.6		36929.8	183400.5	20.1	B31.12-IP-19
50(OCC)		46632.9	183400.5	25.4		40280.9	183400.5	22.0	B31.12-IP-19
51(OCC)		40300.3	183400.5	22.0		37184.4	183400.5	20.3	B31.12-IP-19
52(OCC)		43648.1	183400.5	23.8		37584.0	183400.5	20.5	B31.12-IP-19
53(OCC)		41788.6	183400.5	22.8		35986.0	183400.5	19.6	B31.12-IP-19
54(OCC)		41970.6	183400.5	22.9		35671.8	183400.5	19.5	B31.12-IP-19
2(Alt-SUS)	8108	35538.0	137895.1	25.8	8109	38374.2	137895.1	27.8	B31.12-IP-19
4(Alt-SUS)		35539.1	137895.1	25.8		37083.6	137895.1	26.9	B31.12-IP-19
6(Alt-SUS)		35539.9	137895.1	25.8		37078.9	137895.1	26.9	B31.12-IP-19
8(Alt-SUS)		35544.2	137895.1	25.8		37077.3	137895.1	26.9	B31.12-IP-19
14(SUS)		35504.1	137895.1	25.7		37110.7	137895.1	26.9	B31.12-IP-19
24(EXP)		34546.1	309193.6	11.2		27188.1	306363.6	8.9	B31.12-IP-19
25(EXP)		9343.8	309193.6	3.0		8104.7	306363.6	2.6	B31.12-IP-19
26(EXP)		6410.4	309193.6	2.1		4993.0	306363.6	1.6	B31.12-IP-19
27(EXP)		22631.8	309193.6	7.3		18542.3	306363.6	6.1	B31.12-IP-19
28(EXP)		31973.8	309193.6	10.3		26645.4	306363.6	8.7	B31.12-IP-19
42(OCC)		35641.1	183400.5	19.4		37269.0	183400.5	20.3	B31.12-IP-19
43(OCC)		35578.0	183400.5	19.4		37163.3	183400.5	20.3	B31.12-IP-19
44(OCC)		35592.4	183400.5	19.4		37632.0	183400.5	20.5	B31.12-IP-19
45(OCC)		35632.2	183400.5	19.4		37643.7	183400.5	20.5	B31.12-IP-19
46(OCC)		35695.5	183400.5	19.5		37238.9	183400.5	20.3	B31.12-IP-19
47(OCC)		39403.2	183400.5	21.5		39762.2	183400.5	21.7	B31.12-IP-19
48(OCC)		38152.2	183400.5	20.8		40827.4	183400.5	22.3	B31.12-IP-19
49(OCC)		37446.6	183400.5	20.4		39452.3	183400.5	21.5	B31.12-IP-19
50(OCC)		41094.0	183400.5	22.4		44386.0	183400.5	24.2	B31.12-IP-19
51(OCC)		38537.0	183400.5	21.0		41170.5	183400.5	22.4	B31.12-IP-19
52(OCC)		39112.5	183400.5	21.3		39716.8	183400.5	21.7	B31.12-IP-19
53(OCC)		36481.8	183400.5	19.9		39774.9	183400.5	21.7	B31.12-IP-19
54(OCC)		36164.0	183400.5	19.7		39052.0	183400.5	21.3	B31.12-IP-19
2(Alt-SUS)	8109	38374.2	137895.1	27.8	8110	39095.6	137895.1	28.4	B31.12-IP-19
4(Alt-SUS)		37083.6	137895.1	26.9		39129.8	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		37078.9	137895.1	26.9		39125.7	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		37077.3	137895.1	26.9		39127.5	137895.1	28.4	B31.12-IP-19
14(SUS)		37110.7	137895.1	26.9		39131.3	137895.1	28.4	B31.12-IP-19
24(EXP)		27188.1	306363.6	8.9		20570.4	305606.6	6.7	B31.12-IP-19
25(EXP)		8104.7	306363.6	2.6		5244.1	305606.6	1.7	B31.12-IP-19
26(EXP)		4993.0	306363.6	1.6		3524.6	305606.6	1.2	B31.12-IP-19
27(EXP)		18542.3	306363.6	6.1		12532.3	305606.6	4.1	B31.12-IP-19
28(EXP)		26645.4	306363.6	8.7		17753.2	305606.6	5.8	B31.12-IP-19
42(OCC)		37269.0	183400.5	20.3		39309.4	183400.5	21.4	B31.12-IP-19
43(OCC)		37163.3	183400.5	20.3		39232.3	183400.5	21.4	B31.12-IP-19
44(OCC)		37632.0	183400.5	20.5		39711.1	183400.5	21.7	B31.12-IP-19
45(OCC)		37643.7	183400.5	20.5		39746.7	183400.5	21.7	B31.12-IP-19
46(OCC)		37238.9	183400.5	20.3		39168.1	183400.5	21.4	B31.12-IP-19
47(OCC)		39762.2	183400.5	21.7		44557.9	183400.5	24.3	B31.12-IP-19
48(OCC)		40827.4	183400.5	22.3		44317.7	183400.5	24.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		39452.3	183400.5	21.5		41559.1	183400.5	22.7	B31.12-IP-19
50(OCC)		44386.0	183400.5	24.2		49542.5	183400.5	27.0	B31.12-IP-19
51(OCC)		41170.5	183400.5	22.4		44652.3	183400.5	24.3	B31.12-IP-19
52(OCC)		39716.8	183400.5	21.7		44329.7	183400.5	24.2	B31.12-IP-19
53(OCC)		39774.9	183400.5	21.7		43116.6	183400.5	23.5	B31.12-IP-19
54(OCC)		39052.0	183400.5	21.3		41701.0	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	8110	37272.9	137895.1	27.0	8120	37340.3	137895.1	27.1	B31.12-IP-19
4(Alt-SUS)		37294.5	137895.1	27.0		37420.4	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37290.5	137895.1	27.0		37416.6	137895.1	27.1	B31.12-IP-19
8(Alt-SUS)		37292.3	137895.1	27.0		37418.5	137895.1	27.1	B31.12-IP-19
14(SUS)		37297.5	137895.1	27.0		37422.7	137895.1	27.1	B31.12-IP-19
24(EXP)		9624.4	307440.3	3.1		9739.7	307315.2	3.2	B31.12-IP-19
25(EXP)		2277.4	307440.3	0.7		2286.7	307315.2	0.7	B31.12-IP-19
26(EXP)		1590.7	307440.3	0.5		1622.4	307315.2	0.5	B31.12-IP-19
27(EXP)		5570.2	307440.3	1.8		5643.3	307315.2	1.8	B31.12-IP-19
28(EXP)		7839.2	307440.3	2.5		7922.0	307315.2	2.6	B31.12-IP-19
42(OCC)		37389.2	183400.5	20.4		37514.1	183400.5	20.5	B31.12-IP-19
43(OCC)		37358.3	183400.5	20.4		37484.9	183400.5	20.4	B31.12-IP-19
44(OCC)		37626.2	183400.5	20.5		37747.0	183400.5	20.6	B31.12-IP-19
45(OCC)		37643.0	183400.5	20.5		37763.4	183400.5	20.6	B31.12-IP-19
46(OCC)		37317.6	183400.5	20.3		37443.2	183400.5	20.4	B31.12-IP-19
47(OCC)		40384.6	183400.5	22.0		40592.5	183400.5	22.1	B31.12-IP-19
48(OCC)		41087.5	183400.5	22.4		41274.5	183400.5	22.5	B31.12-IP-19
49(OCC)		38995.3	183400.5	21.3		39098.3	183400.5	21.3	B31.12-IP-19
50(OCC)		43617.6	183400.5	23.8		43773.4	183400.5	23.9	B31.12-IP-19
51(OCC)		41223.4	183400.5	22.5		41405.3	183400.5	22.6	B31.12-IP-19
52(OCC)		40267.2	183400.5	22.0		40466.3	183400.5	22.1	B31.12-IP-19
53(OCC)		39860.3	183400.5	21.7		40033.5	183400.5	21.8	B31.12-IP-19
54(OCC)		38994.7	183400.5	21.3		39132.8	183400.5	21.3	B31.12-IP-19
2(Alt-SUS)	8120	0.0	0.0	0.0	8130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8130	0.0	0.0	0.0	8140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8140	0.0	0.0	0.0	8150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8150	49329.9	137895.1	35.8	8160	52231.4	137895.1	37.9	B31.12-IP-19
4(Alt-SUS)		43687.5	137895.1	31.7		46207.7	137895.1	33.5	B31.12-IP-19
6(Alt-SUS)		43665.6	137895.1	31.7		46184.5	137895.1	33.5	B31.12-IP-19
8(Alt-SUS)		43653.9	137895.1	31.7		46171.9	137895.1	33.5	B31.12-IP-19
14(SUS)		43761.3	137895.1	31.7		46286.2	137895.1	33.6	B31.12-IP-19
24(EXP)		63564.1	295407.9	21.5		67833.2	292506.4	23.2	B31.12-IP-19
25(EXP)		18343.4	295407.9	6.2		19610.8	292506.4	6.7	B31.12-IP-19
26(EXP)		12655.7	295407.9	4.3		13508.4	292506.4	4.6	B31.12-IP-19
27(EXP)		44631.0	295407.9	15.1		47671.9	292506.4	16.3	B31.12-IP-19
28(EXP)		62973.7	295407.9	21.3		67281.9	292506.4	23.0	B31.12-IP-19
42(OCC)		44316.1	183400.5	24.2		46919.9	183400.5	25.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		44170.3	183400.5	24.1		46760.2	183400.5	25.5	B31.12-IP-19
44(OCC)		44245.2	183400.5	24.1		46806.5	183400.5	25.5	B31.12-IP-19
45(OCC)		44135.4	183400.5	24.1		46693.0	183400.5	25.5	B31.12-IP-19
46(OCC)		44225.2	183400.5	24.1		46782.4	183400.5	25.5	B31.12-IP-19
47(OCC)		52809.9	183400.5	28.8		57598.3	183400.5	31.4	B31.12-IP-19
48(OCC)		51758.3	183400.5	28.2		56200.3	183400.5	30.6	B31.12-IP-19
49(OCC)		50259.7	183400.5	27.4		53939.2	183400.5	29.4	B31.12-IP-19
50(OCC)		48351.4	183400.5	26.4		52259.6	183400.5	28.5	B31.12-IP-19
51(OCC)		52610.4	183400.5	28.7		57184.5	183400.5	31.2	B31.12-IP-19
52(OCC)		53690.7	183400.5	29.3		58526.2	183400.5	31.9	B31.12-IP-19
53(OCC)		49672.2	183400.5	27.1		53475.5	183400.5	29.2	B31.12-IP-19
54(OCC)		51579.5	183400.5	28.1		55423.8	183400.5	30.2	B31.12-IP-19
2(Alt-SUS)	8160	52208.1	137895.1	37.9	8170	61509.3	137895.1	44.6	B31.12-IP-19
4(Alt-SUS)		46137.6	137895.1	33.5		50979.8	137895.1	37.0	B31.12-IP-19
6(Alt-SUS)		46156.4	137895.1	33.5		51094.0	137895.1	37.1	B31.12-IP-19
8(Alt-SUS)		46141.9	137895.1	33.5		51069.0	137895.1	37.0	B31.12-IP-19
14(SUS)		46262.0	137895.1	33.5		51265.1	137895.1	37.2	B31.12-IP-19
24(EXP)		67833.2	292529.7	23.2		121543.2	283228.5	42.9	B31.12-IP-19
25(EXP)		19610.8	292529.7	6.7		35164.7	283228.5	12.4	B31.12-IP-19
26(EXP)		13508.4	292529.7	4.6		24476.3	283228.5	8.6	B31.12-IP-19
27(EXP)		47671.9	292529.7	16.3		85693.0	283228.5	30.3	B31.12-IP-19
28(EXP)		67281.9	292529.7	23.0		120850.9	283228.5	42.7	B31.12-IP-19
42(OCC)		46949.2	183400.5	25.6		52135.9	183400.5	28.4	B31.12-IP-19
43(OCC)		46819.6	183400.5	25.5		51931.9	183400.5	28.3	B31.12-IP-19
44(OCC)		46858.2	183400.5	25.5		51998.1	183400.5	28.4	B31.12-IP-19
45(OCC)		46725.5	183400.5	25.5		51832.8	183400.5	28.3	B31.12-IP-19
46(OCC)		46758.5	183400.5	25.5		52116.3	183400.5	28.4	B31.12-IP-19
47(OCC)		57618.9	183400.5	31.4		66827.8	183400.5	36.4	B31.12-IP-19
48(OCC)		56635.1	183400.5	30.9		62662.9	183400.5	34.2	B31.12-IP-19
49(OCC)		57711.3	183400.5	31.5		62077.4	183400.5	33.8	B31.12-IP-19
50(OCC)		54138.8	183400.5	29.5		63836.5	183400.5	34.8	B31.12-IP-19
51(OCC)		59056.0	183400.5	32.2		67049.4	183400.5	36.6	B31.12-IP-19
52(OCC)		60784.2	183400.5	33.1		69944.1	183400.5	38.1	B31.12-IP-19
53(OCC)		55398.2	183400.5	30.2		66001.7	183400.5	36.0	B31.12-IP-19
54(OCC)		59398.5	183400.5	32.4		65161.0	183400.5	35.5	B31.12-IP-19
2(Alt-SUS)	8170	61474.7	137895.1	44.6	8180	43382.4	137895.1	31.5	B31.12-IP-19
4(Alt-SUS)		51004.3	137895.1	37.0		39404.4	137895.1	28.6	B31.12-IP-19
6(Alt-SUS)		51117.5	137895.1	37.1		39514.4	137895.1	28.7	B31.12-IP-19
8(Alt-SUS)		51092.5	137895.1	37.1		39505.0	137895.1	28.6	B31.12-IP-19
14(SUS)		51287.8	137895.1	37.2		39584.9	137895.1	28.7	B31.12-IP-19
24(EXP)		134144.7	283263.1	47.4		41830.3	301355.4	13.9	B31.12-IP-19
25(EXP)		38608.8	283263.1	13.6		11912.1	301355.4	4.0	B31.12-IP-19
26(EXP)		26820.8	283263.1	9.5		8233.8	301355.4	2.7	B31.12-IP-19
27(EXP)		94181.8	283263.1	33.2		29032.9	301355.4	9.6	B31.12-IP-19
28(EXP)		132787.6	283263.1	46.9		40943.7	301355.4	13.6	B31.12-IP-19
42(OCC)		52139.1	183400.5	28.4		39955.2	183400.5	21.8	B31.12-IP-19
43(OCC)		51935.1	183400.5	28.3		39885.9	183400.5	21.7	B31.12-IP-19
44(OCC)		51922.8	183400.5	28.3		39907.0	183400.5	21.8	B31.12-IP-19
45(OCC)		51736.4	183400.5	28.2		39827.4	183400.5	21.7	B31.12-IP-19
46(OCC)		52133.3	183400.5	28.4		39900.6	183400.5	21.8	B31.12-IP-19
47(OCC)		65248.5	183400.5	35.6		45066.2	183400.5	24.6	B31.12-IP-19
48(OCC)		62917.0	183400.5	34.3		45253.1	183400.5	24.7	B31.12-IP-19
49(OCC)		61647.5	183400.5	33.6		45391.6	183400.5	24.7	B31.12-IP-19
50(OCC)		63700.6	183400.5	34.7		47077.7	183400.5	25.7	B31.12-IP-19
51(OCC)		65143.9	183400.5	35.5		46519.9	183400.5	25.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		69676.6	183400.5	38.0		47914.5	183400.5	26.1	B31.12-IP-19
53(OCC)		66217.3	183400.5	36.1		47994.1	183400.5	26.2	B31.12-IP-19
54(OCC)		64504.1	183400.5	35.2		46076.4	183400.5	25.1	B31.12-IP-19
2(Alt-SUS)	8180	0.0	0.0	0.0	8190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8190	0.0	0.0	0.0	8200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8200	0.0	0.0	0.0	8210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8210	0.0	0.0	0.0	8220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8200	0.0	0.0	0.0	8230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8100	43549.4	137895.1	31.6	8240	34321.6	137895.1	24.9	B31.12-IP-19
4(Alt-SUS)		33786.1	137895.1	24.5		30742.4	137895.1	22.3	B31.12-IP-19
6(Alt-SUS)		33831.2	137895.1	24.5		30763.9	137895.1	22.3	B31.12-IP-19
8(Alt-SUS)		33812.1	137895.1	24.5		30754.9	137895.1	22.3	B31.12-IP-19
14(SUS)		33825.1	137895.1	24.5		30763.4	137895.1	22.3	B31.12-IP-19
24(EXP)		177260.6	301188.4	58.9		62307.6	310416.2	20.1	B31.12-IP-19
25(EXP)		51012.3	301188.4	16.9		17589.8	310416.2	5.7	B31.12-IP-19
26(EXP)		35587.6	301188.4	11.8		12308.6	310416.2	4.0	B31.12-IP-19
27(EXP)		125495.4	301188.4	41.7		43303.9	310416.2	14.0	B31.12-IP-19
28(EXP)		176506.7	301188.4	58.6		60892.9	310416.2	19.6	B31.12-IP-19
42(OCC)		34271.7	183400.5	18.7		31003.1	183400.5	16.9	B31.12-IP-19
43(OCC)		34564.2	183400.5	18.8		31173.3	183400.5	17.0	B31.12-IP-19
44(OCC)		34237.2	183400.5	18.7		30956.7	183400.5	16.9	B31.12-IP-19
45(OCC)		34321.0	183400.5	18.7		30950.4	183400.5	16.9	B31.12-IP-19
46(OCC)		34250.3	183400.5	18.7		31021.9	183400.5	16.9	B31.12-IP-19
47(OCC)		46408.8	183400.5	25.3		37725.1	183400.5	20.6	B31.12-IP-19
48(OCC)		41638.8	183400.5	22.7		35096.5	183400.5	19.1	B31.12-IP-19
49(OCC)		43407.3	183400.5	23.7		34227.0	183400.5	18.7	B31.12-IP-19
50(OCC)		58216.2	183400.5	31.7		40029.5	183400.5	21.8	B31.12-IP-19
51(OCC)		40889.7	183400.5	22.3		34552.9	183400.5	18.8	B31.12-IP-19
52(OCC)		47812.6	183400.5	26.1		38528.2	183400.5	21.0	B31.12-IP-19
53(OCC)		38670.8	183400.5	21.1		33208.4	183400.5	18.1	B31.12-IP-19
54(OCC)		39574.7	183400.5	21.6		33369.7	183400.5	18.2	B31.12-IP-19
2(Alt-SUS)	8240	34321.6	137895.1	24.9	8250	32233.3	137895.1	23.4	B31.12-IP-19
4(Alt-SUS)		30742.4	137895.1	22.3		24169.1	137895.1	17.5	B31.12-IP-19
6(Alt-SUS)		30763.9	137895.1	22.3		24227.6	137895.1	17.6	B31.12-IP-19
8(Alt-SUS)		30754.9	137895.1	22.3		24199.8	137895.1	17.5	B31.12-IP-19
14(SUS)		30763.4	137895.1	22.3		24261.0	137895.1	17.6	B31.12-IP-19
24(EXP)		62307.6	310416.2	20.1		168424.2	312504.6	53.9	B31.12-IP-19
25(EXP)		17589.8	310416.2	5.7		47275.1	312504.6	15.1	B31.12-IP-19
26(EXP)		12308.6	310416.2	4.0		33175.4	312504.6	10.6	B31.12-IP-19
27(EXP)		43303.9	310416.2	14.0		116505.8	312504.6	37.3	B31.12-IP-19
28(EXP)		60892.9	310416.2	19.6		163778.3	312504.6	52.4	B31.12-IP-19
42(OCC)		31003.1	183400.5	16.9		24902.0	183400.5	13.6	B31.12-IP-19
43(OCC)		31173.3	183400.5	17.0		25434.8	183400.5	13.9	B31.12-IP-19
44(OCC)		30956.7	183400.5	16.9		24808.9	183400.5	13.5	B31.12-IP-19
45(OCC)		30950.4	183400.5	16.9		24711.7	183400.5	13.5	B31.12-IP-19
46(OCC)		31021.9	183400.5	16.9		25003.9	183400.5	13.6	B31.12-IP-19
47(OCC)		37725.1	183400.5	20.6		46079.1	183400.5	25.1	B31.12-IP-19
48(OCC)		35096.5	183400.5	19.1		36274.9	183400.5	19.8	B31.12-IP-19
49(OCC)		34227.0	183400.5	18.7		31943.2	183400.5	17.4	B31.12-IP-19
50(OCC)		40029.5	183400.5	21.8		46329.2	183400.5	25.3	B31.12-IP-19
51(OCC)		34552.9	183400.5	18.8		34638.1	183400.5	18.9	B31.12-IP-19
52(OCC)		38528.2	183400.5	21.0		48288.8	183400.5	26.3	B31.12-IP-19
53(OCC)		33208.4	183400.5	18.1		32505.1	183400.5	17.7	B31.12-IP-19
54(OCC)		33369.7	183400.5	18.2		32588.8	183400.5	17.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	8250	0.0	0.0	0.0	8260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8260	0.0	0.0	0.0	8270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8270	0.0	0.0	0.0	8280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8280	11029.8	137895.1	8.0	8290	14736.6	137895.1	10.7	B31.12-IP-19
4(Alt-SUS)		26276.4	137895.1	19.1		45546.1	137895.1	33.0	B31.12-IP-19
6(Alt-SUS)		26292.4	137895.1	19.1		45570.3	137895.1	33.0	B31.12-IP-19
8(Alt-SUS)		26281.0	137895.1	19.1		45546.0	137895.1	33.0	B31.12-IP-19
14(SUS)		26418.1	137895.1	19.2		45924.4	137895.1	33.3	B31.12-IP-19
24(EXP)		64860.6	318319.7	20.4		177265.6	298813.4	59.3	B31.12-IP-19
25(EXP)		17077.3	318319.7	5.4		48141.5	298813.4	16.1	B31.12-IP-19
26(EXP)		12483.2	318319.7	3.9		34625.9	298813.4	11.6	B31.12-IP-19
27(EXP)		43365.7	318319.7	13.6		121463.3	298813.4	40.6	B31.12-IP-19
28(EXP)		60442.9	318319.7	19.0		169602.5	298813.4	56.8	B31.12-IP-19
42(OCC)		26959.0	183400.5	14.7		47807.0	183400.5	26.1	B31.12-IP-19
43(OCC)		26853.6	183400.5	14.6		47116.7	183400.5	25.7	B31.12-IP-19
44(OCC)		27160.3	183400.5	14.8		47710.5	183400.5	26.0	B31.12-IP-19
45(OCC)		27047.3	183400.5	14.7		47462.8	183400.5	25.9	B31.12-IP-19
46(OCC)		27183.0	183400.5	14.8		47743.1	183400.5	26.0	B31.12-IP-19
47(OCC)		32574.1	183400.5	17.8		50583.5	183400.5	27.6	B31.12-IP-19
48(OCC)		35463.0	183400.5	19.3		77869.6	183400.5	42.5	B31.12-IP-19
49(OCC)		35846.8	183400.5	19.5		67806.2	183400.5	37.0	B31.12-IP-19
50(OCC)		31290.1	183400.5	17.1		57630.5	183400.5	31.4	B31.12-IP-19
51(OCC)		37225.0	183400.5	20.3		82718.6	183400.5	45.1	B31.12-IP-19
52(OCC)		33714.1	183400.5	18.4		53465.6	183400.5	29.2	B31.12-IP-19
53(OCC)		37502.5	183400.5	20.4		70876.8	183400.5	38.6	B31.12-IP-19
54(OCC)		37504.4	183400.5	20.4		71191.6	183400.5	38.8	B31.12-IP-19
2(Alt-SUS)	8290	0.0	0.0	0.0	8300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8300	0.0	0.0	0.0	8310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8310	0.0	0.0	0.0	8320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8170	25136.8	137895.1	18.2	8330	21437.3	137895.1	15.5	B31.12-IP-19
4(Alt-SUS)		24897.2	137895.1	18.1		21319.4	137895.1	15.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		24934.8	137895.1	18.1		21336.0	137895.1	15.5	B31.12-IP-19
8(Alt-SUS)		24935.3	137895.1	18.1		21336.4	137895.1	15.5	B31.12-IP-19
14(SUS)		24942.1	137895.1	18.1		21339.8	137895.1	15.5	B31.12-IP-19
24(EXP)		89119.9	319601.0	27.9		29538.1	323300.5	9.1	B31.12-IP-19
25(EXP)		24008.0	319601.0	7.5		7913.9	323300.5	2.4	B31.12-IP-19
26(EXP)		17330.0	319601.0	5.4		5725.5	323300.5	1.8	B31.12-IP-19
27(EXP)		60685.3	319601.0	19.0		20043.5	323300.5	6.2	B31.12-IP-19
28(EXP)		84689.6	319601.0	26.5		27956.0	323300.5	8.6	B31.12-IP-19
42(OCC)		25144.0	183400.5	13.7		21437.9	183400.5	11.7	B31.12-IP-19
43(OCC)		25012.3	183400.5	13.6		21381.7	183400.5	11.7	B31.12-IP-19
44(OCC)		25769.5	183400.5	14.1		21696.3	183400.5	11.8	B31.12-IP-19
45(OCC)		25433.5	183400.5	13.9		21513.8	183400.5	11.7	B31.12-IP-19
46(OCC)		24987.8	183400.5	13.6		21362.7	183400.5	11.6	B31.12-IP-19
47(OCC)		40181.1	183400.5	21.9		28578.4	183400.5	15.6	B31.12-IP-19
48(OCC)		32075.9	183400.5	17.5		25003.8	183400.5	13.6	B31.12-IP-19
49(OCC)		31502.4	183400.5	17.2		24202.8	183400.5	13.2	B31.12-IP-19
50(OCC)		31700.5	183400.5	17.3		24811.3	183400.5	13.5	B31.12-IP-19
51(OCC)		36784.1	183400.5	20.1		27452.1	183400.5	15.0	B31.12-IP-19
52(OCC)		38300.8	183400.5	20.9		27514.0	183400.5	15.0	B31.12-IP-19
53(OCC)		26360.0	183400.5	14.4		22011.0	183400.5	12.0	B31.12-IP-19
54(OCC)		35179.6	183400.5	19.2		26411.2	183400.5	14.4	B31.12-IP-19
2(Alt-SUS)	8330	21437.3	137895.1	15.5	8338	19637.4	137895.1	14.2	B31.12-IP-19
4(Alt-SUS)		21319.4	137895.1	15.5		19536.7	137895.1	14.2	B31.12-IP-19
6(Alt-SUS)		21336.0	137895.1	15.5		19545.9	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21336.4	137895.1	15.5		19545.9	137895.1	14.2	B31.12-IP-19
14(SUS)		21339.8	137895.1	15.5		19547.6	137895.1	14.2	B31.12-IP-19
24(EXP)		29538.1	323300.5	9.1		43363.8	325100.4	13.3	B31.12-IP-19
25(EXP)		7913.9	323300.5	2.4		12119.8	325100.4	3.7	B31.12-IP-19
26(EXP)		5725.5	323300.5	1.8		8695.6	325100.4	2.7	B31.12-IP-19
27(EXP)		20043.5	323300.5	6.2		30443.5	325100.4	9.4	B31.12-IP-19
28(EXP)		27956.0	323300.5	8.6		42563.3	325100.4	13.1	B31.12-IP-19
42(OCC)		21437.9	183400.5	11.7		19573.5	183400.5	10.7	B31.12-IP-19
43(OCC)		21381.7	183400.5	11.7		19569.1	183400.5	10.7	B31.12-IP-19
44(OCC)		21696.3	183400.5	11.8		19626.5	183400.5	10.7	B31.12-IP-19
45(OCC)		21513.8	183400.5	11.7		19589.7	183400.5	10.7	B31.12-IP-19
46(OCC)		21362.7	183400.5	11.6		19559.7	183400.5	10.7	B31.12-IP-19
47(OCC)		28578.4	183400.5	15.6		20743.4	183400.5	11.3	B31.12-IP-19
48(OCC)		25003.8	183400.5	13.6		21188.7	183400.5	11.6	B31.12-IP-19
49(OCC)		24202.8	183400.5	13.2		20298.5	183400.5	11.1	B31.12-IP-19
50(OCC)		24811.3	183400.5	13.5		20862.1	183400.5	11.4	B31.12-IP-19
51(OCC)		27452.1	183400.5	15.0		21253.0	183400.5	11.6	B31.12-IP-19
52(OCC)		27514.0	183400.5	15.0		20746.7	183400.5	11.3	B31.12-IP-19
53(OCC)		22011.0	183400.5	12.0		19973.3	183400.5	10.9	B31.12-IP-19
54(OCC)		26411.2	183400.5	14.4		21465.6	183400.5	11.7	B31.12-IP-19
2(Alt-SUS)	8338	19906.3	137895.1	14.4	8339	19903.1	137895.1	14.4	B31.12-IP-19
4(Alt-SUS)		19776.1	137895.1	14.3		19899.1	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19787.8	137895.1	14.3		19909.0	137895.1	14.4	B31.12-IP-19
8(Alt-SUS)		19787.7	137895.1	14.3		19909.1	137895.1	14.4	B31.12-IP-19
14(SUS)		19789.8	137895.1	14.4		19909.3	137895.1	14.4	B31.12-IP-19
24(EXP)		92921.4	324831.6	28.6		80455.6	324828.6	24.8	B31.12-IP-19
25(EXP)		25979.8	324831.6	8.0		22455.5	324828.6	6.9	B31.12-IP-19
26(EXP)		18640.9	324831.6	5.7		16152.7	324828.6	5.0	B31.12-IP-19
27(EXP)		65260.8	324831.6	20.1		56518.7	324828.6	17.4	B31.12-IP-19
28(EXP)		91240.6	324831.6	28.1		78974.2	324828.6	24.3	B31.12-IP-19
42(OCC)		19828.7	183400.5	10.8		19932.8	183400.5	10.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		19815.7	183400.5	10.8		19935.4	183400.5	10.9	B31.12-IP-19
44(OCC)		19873.2	183400.5	10.8		20030.3	183400.5	10.9	B31.12-IP-19
45(OCC)		19834.4	183400.5	10.8		20013.2	183400.5	10.9	B31.12-IP-19
46(OCC)		19803.5	183400.5	10.8		19921.5	183400.5	10.9	B31.12-IP-19
47(OCC)		21397.1	183400.5	11.7		22321.4	183400.5	12.2	B31.12-IP-19
48(OCC)		21844.4	183400.5	11.9		21503.3	183400.5	11.7	B31.12-IP-19
49(OCC)		20758.8	183400.5	11.3		20986.4	183400.5	11.4	B31.12-IP-19
50(OCC)		21703.1	183400.5	11.8		22101.2	183400.5	12.1	B31.12-IP-19
51(OCC)		22147.3	183400.5	12.1		23140.3	183400.5	12.6	B31.12-IP-19
52(OCC)		21277.5	183400.5	11.6		20758.1	183400.5	11.3	B31.12-IP-19
53(OCC)		20225.2	183400.5	11.0		20479.9	183400.5	11.2	B31.12-IP-19
54(OCC)		22667.7	183400.5	12.4		23191.8	183400.5	12.6	B31.12-IP-19
2(Alt-SUS)	8339	19903.1	137895.1	14.4	8340	19277.5	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		19899.1	137895.1	14.4		19391.4	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19909.0	137895.1	14.4		19393.6	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19909.1	137895.1	14.4		19393.9	137895.1	14.1	B31.12-IP-19
14(SUS)		19909.3	137895.1	14.4		19392.0	137895.1	14.1	B31.12-IP-19
24(EXP)		80455.6	324828.6	24.8		20430.8	325343.9	6.3	B31.12-IP-19
25(EXP)		22455.5	324828.6	6.9		5618.4	325343.9	1.7	B31.12-IP-19
26(EXP)		16152.7	324828.6	5.0		4120.7	325343.9	1.3	B31.12-IP-19
27(EXP)		56518.7	324828.6	17.4		14353.2	325343.9	4.4	B31.12-IP-19
28(EXP)		78974.2	324828.6	24.3		19971.6	325343.9	6.1	B31.12-IP-19
42(OCC)		19932.8	183400.5	10.9		19412.2	183400.5	10.6	B31.12-IP-19
43(OCC)		19935.4	183400.5	10.9		19425.5	183400.5	10.6	B31.12-IP-19
44(OCC)		20030.3	183400.5	10.9		19489.3	183400.5	10.6	B31.12-IP-19
45(OCC)		20013.2	183400.5	10.9		19474.3	183400.5	10.6	B31.12-IP-19
46(OCC)		19921.5	183400.5	10.9		19403.8	183400.5	10.6	B31.12-IP-19
47(OCC)		22321.4	183400.5	12.2		22587.2	183400.5	12.3	B31.12-IP-19
48(OCC)		21503.3	183400.5	11.7		20946.2	183400.5	11.4	B31.12-IP-19
49(OCC)		20986.4	183400.5	11.4		20411.3	183400.5	11.1	B31.12-IP-19
50(OCC)		22101.2	183400.5	12.1		20963.9	183400.5	11.4	B31.12-IP-19
51(OCC)		23140.3	183400.5	12.6		23116.1	183400.5	12.6	B31.12-IP-19
52(OCC)		20758.1	183400.5	11.3		20770.5	183400.5	11.3	B31.12-IP-19
53(OCC)		20479.9	183400.5	11.2		19987.3	183400.5	10.9	B31.12-IP-19
54(OCC)		23191.8	183400.5	12.6		21780.9	183400.5	11.9	B31.12-IP-19
2(Alt-SUS)	8340	19172.9	137895.1	13.9	8345	19667.6	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		19257.5	137895.1	14.0		19672.3	137895.1	14.3	B31.12-IP-19
6(Alt-SUS)		19259.4	137895.1	14.0		19678.6	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19259.6	137895.1	14.0		19678.8	137895.1	14.3	B31.12-IP-19
14(SUS)		19258.2	137895.1	14.0		19678.0	137895.1	14.3	B31.12-IP-19
24(EXP)		9600.1	325478.3	2.9		61514.9	325059.1	18.9	B31.12-IP-19
25(EXP)		2634.6	325478.3	0.8		17293.1	325059.1	5.3	B31.12-IP-19
26(EXP)		1932.0	325478.3	0.6		12324.0	325059.1	3.8	B31.12-IP-19
27(EXP)		6729.6	325478.3	2.1		43217.2	325059.1	13.3	B31.12-IP-19
28(EXP)		9364.1	325478.3	2.9		60510.3	325059.1	18.6	B31.12-IP-19
42(OCC)		19273.1	183400.5	10.5		19733.1	183400.5	10.8	B31.12-IP-19
43(OCC)		19281.4	183400.5	10.5		19761.7	183400.5	10.8	B31.12-IP-19
44(OCC)		19329.2	183400.5	10.5		19754.7	183400.5	10.8	B31.12-IP-19
45(OCC)		19321.1	183400.5	10.5		19766.7	183400.5	10.8	B31.12-IP-19
46(OCC)		19267.7	183400.5	10.5		19690.5	183400.5	10.7	B31.12-IP-19
47(OCC)		21322.0	183400.5	11.6		22486.5	183400.5	12.3	B31.12-IP-19
48(OCC)		20358.0	183400.5	11.1		22764.7	183400.5	12.4	B31.12-IP-19
49(OCC)		20225.1	183400.5	11.0		20760.7	183400.5	11.3	B31.12-IP-19
50(OCC)		20292.9	183400.5	11.1		20024.1	183400.5	10.9	B31.12-IP-19
51(OCC)		21691.8	183400.5	11.8		22323.8	183400.5	12.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		20187.1	183400.5	11.0		22902.7	183400.5	12.5	B31.12-IP-19
53(OCC)		19712.1	183400.5	10.7		20136.8	183400.5	11.0	B31.12-IP-19
54(OCC)		20965.5	183400.5	11.4		20872.0	183400.5	11.4	B31.12-IP-19
2(Alt-SUS)	8345	19668.7	137895.1	14.3	8350	26720.7	137895.1	19.4	B31.12-IP-19
4(Alt-SUS)		19675.2	137895.1	14.3		26584.5	137895.1	19.3	B31.12-IP-19
6(Alt-SUS)		19679.7	137895.1	14.3		26621.0	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19679.8	137895.1	14.3		26620.4	137895.1	19.3	B31.12-IP-19
14(SUS)		19678.3	137895.1	14.3		26623.4	137895.1	19.3	B31.12-IP-19
24(EXP)		61514.9	325058.0	18.9		43515.7	318017.1	13.7	B31.12-IP-19
25(EXP)		17293.1	325058.0	5.3		11757.5	318017.1	3.7	B31.12-IP-19
26(EXP)		12324.0	325058.0	3.8		8585.2	318017.1	2.7	B31.12-IP-19
27(EXP)		43217.2	325058.0	13.3		29830.9	318017.1	9.4	B31.12-IP-19
28(EXP)		60510.3	325058.0	18.6		41588.0	318017.1	13.1	B31.12-IP-19
42(OCC)		19783.0	183400.5	10.8		27173.2	183400.5	14.8	B31.12-IP-19
43(OCC)		19811.7	183400.5	10.8		27146.4	183400.5	14.8	B31.12-IP-19
44(OCC)		19804.7	183400.5	10.8		27170.2	183400.5	14.8	B31.12-IP-19
45(OCC)		19820.6	183400.5	10.8		26954.7	183400.5	14.7	B31.12-IP-19
46(OCC)		19690.9	183400.5	10.7		26632.8	183400.5	14.5	B31.12-IP-19
47(OCC)		22542.4	183400.5	12.3		33623.6	183400.5	18.3	B31.12-IP-19
48(OCC)		23607.6	183400.5	12.9		39159.8	183400.5	21.4	B31.12-IP-19
49(OCC)		21346.8	183400.5	11.6		28035.2	183400.5	15.3	B31.12-IP-19
50(OCC)		20209.2	183400.5	11.0		33938.1	183400.5	18.5	B31.12-IP-19
51(OCC)		22471.4	183400.5	12.3		38327.9	183400.5	20.9	B31.12-IP-19
52(OCC)		23461.5	183400.5	12.8		34383.8	183400.5	18.7	B31.12-IP-19
53(OCC)		20692.1	183400.5	11.3		34364.9	183400.5	18.7	B31.12-IP-19
54(OCC)		21049.9	183400.5	11.5		28138.1	183400.5	15.3	B31.12-IP-19
2(Alt-SUS)	8350	26720.8	137895.1	19.4	8358	19268.0	137895.1	14.0	B31.12-IP-19
4(Alt-SUS)		26584.5	137895.1	19.3		19237.1	137895.1	14.0	B31.12-IP-19
6(Alt-SUS)		26621.0	137895.1	19.3		19231.9	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26620.4	137895.1	19.3		19231.7	137895.1	13.9	B31.12-IP-19
14(SUS)		26624.4	137895.1	19.3		19232.8	137895.1	13.9	B31.12-IP-19
24(EXP)		43515.7	318017.1	13.7		6563.7	325469.8	2.0	B31.12-IP-19
25(EXP)		11757.5	318017.1	3.7		1882.6	325469.8	0.6	B31.12-IP-19
26(EXP)		8585.2	318017.1	2.7		1323.3	325469.8	0.4	B31.12-IP-19
27(EXP)		29830.9	318017.1	9.4		4549.8	325469.8	1.4	B31.12-IP-19
28(EXP)		41588.0	318017.1	13.1		6432.4	325469.8	2.0	B31.12-IP-19
42(OCC)		27129.6	183400.5	14.8		19285.0	183400.5	10.5	B31.12-IP-19
43(OCC)		27101.3	183400.5	14.8		19285.7	183400.5	10.5	B31.12-IP-19
44(OCC)		27140.9	183400.5	14.8		19463.2	183400.5	10.6	B31.12-IP-19
45(OCC)		26922.8	183400.5	14.7		19490.7	183400.5	10.6	B31.12-IP-19
46(OCC)		26633.7	183400.5	14.5		19239.1	183400.5	10.5	B31.12-IP-19
47(OCC)		33576.2	183400.5	18.3		20648.0	183400.5	11.3	B31.12-IP-19
48(OCC)		38478.7	183400.5	21.0		20351.3	183400.5	11.1	B31.12-IP-19
49(OCC)		27882.3	183400.5	15.2		23410.3	183400.5	12.8	B31.12-IP-19
50(OCC)		34106.8	183400.5	18.6		22709.8	183400.5	12.4	B31.12-IP-19
51(OCC)		38219.7	183400.5	20.8		21134.7	183400.5	11.5	B31.12-IP-19
52(OCC)		33986.0	183400.5	18.5		19977.5	183400.5	10.9	B31.12-IP-19
53(OCC)		34475.9	183400.5	18.8		23150.5	183400.5	12.6	B31.12-IP-19
54(OCC)		28091.9	183400.5	15.3		23188.9	183400.5	12.6	B31.12-IP-19
2(Alt-SUS)	8358	19404.4	137895.1	14.1	8359	23055.4	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19363.0	137895.1	14.0		23016.2	137895.1	16.7	B31.12-IP-19
6(Alt-SUS)		19356.3	137895.1	14.0		23016.3	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19356.2	137895.1	14.0		23015.8	137895.1	16.7	B31.12-IP-19
14(SUS)		19357.5	137895.1	14.0		23018.1	137895.1	16.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		13667.7	325333.5	4.2		58462.4	321682.4	18.2	B31.12-IP-19
25(EXP)		3960.0	325333.5	1.2		16235.8	321682.4	5.0	B31.12-IP-19
26(EXP)		2783.1	325333.5	0.9		11725.4	321682.4	3.6	B31.12-IP-19
27(EXP)		9560.7	325333.5	2.9		40644.2	321682.4	12.6	B31.12-IP-19
28(EXP)		13520.7	325333.5	4.2		56879.8	321682.4	17.7	B31.12-IP-19
42(OCC)		19437.0	183400.5	10.6		23255.3	183400.5	12.7	B31.12-IP-19
43(OCC)		19438.9	183400.5	10.6		23248.4	183400.5	12.7	B31.12-IP-19
44(OCC)		19656.2	183400.5	10.7		23115.7	183400.5	12.6	B31.12-IP-19
45(OCC)		19691.8	183400.5	10.7		23269.9	183400.5	12.7	B31.12-IP-19
46(OCC)		19364.1	183400.5	10.6		23025.1	183400.5	12.6	B31.12-IP-19
47(OCC)		21450.1	183400.5	11.7		26409.2	183400.5	14.4	B31.12-IP-19
48(OCC)		20718.3	183400.5	11.3		31779.8	183400.5	17.3	B31.12-IP-19
49(OCC)		24740.4	183400.5	13.5		29236.3	183400.5	15.9	B31.12-IP-19
50(OCC)		23889.8	183400.5	13.0		25322.8	183400.5	13.8	B31.12-IP-19
51(OCC)		22114.6	183400.5	12.1		30090.1	183400.5	16.4	B31.12-IP-19
52(OCC)		20227.8	183400.5	11.0		28748.1	183400.5	15.7	B31.12-IP-19
53(OCC)		24473.8	183400.5	13.3		25135.7	183400.5	13.7	B31.12-IP-19
54(OCC)		24517.4	183400.5	13.4		29742.1	183400.5	16.2	B31.12-IP-19
2(Alt-SUS)	8359	23055.4	137895.1	16.7	8360	24645.8	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23016.2	137895.1	16.7		24613.2	137895.1	17.8	B31.12-IP-19
6(Alt-SUS)		23016.3	137895.1	16.7		24622.6	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23015.8	137895.1	16.7		24622.1	137895.1	17.9	B31.12-IP-19
14(SUS)		23018.1	137895.1	16.7		24624.4	137895.1	17.9	B31.12-IP-19
24(EXP)		58462.4	321682.4	18.2		76931.1	320092.0	24.0	B31.12-IP-19
25(EXP)		16235.8	321682.4	5.0		21160.7	320092.0	6.6	B31.12-IP-19
26(EXP)		11725.4	321682.4	3.6		15330.7	320092.0	4.8	B31.12-IP-19
27(EXP)		40644.2	321682.4	12.6		53339.9	320092.0	16.7	B31.12-IP-19
28(EXP)		56879.8	321682.4	17.7		74500.2	320092.0	23.3	B31.12-IP-19
42(OCC)		23255.3	183400.5	12.7		24952.1	183400.5	13.6	B31.12-IP-19
43(OCC)		23248.4	183400.5	12.7		24956.8	183400.5	13.6	B31.12-IP-19
44(OCC)		23115.7	183400.5	12.6		24966.1	183400.5	13.6	B31.12-IP-19
45(OCC)		23269.9	183400.5	12.7		24885.0	183400.5	13.6	B31.12-IP-19
46(OCC)		23025.1	183400.5	12.6		24632.0	183400.5	13.4	B31.12-IP-19
47(OCC)		26409.2	183400.5	14.4		30692.2	183400.5	16.7	B31.12-IP-19
48(OCC)		31779.8	183400.5	17.3		36905.7	183400.5	20.1	B31.12-IP-19
49(OCC)		29236.3	183400.5	15.9		31436.4	183400.5	17.1	B31.12-IP-19
50(OCC)		25322.8	183400.5	13.8		29736.2	183400.5	16.2	B31.12-IP-19
51(OCC)		30090.1	183400.5	16.4		36173.4	183400.5	19.7	B31.12-IP-19
52(OCC)		28748.1	183400.5	15.7		31673.7	183400.5	17.3	B31.12-IP-19
53(OCC)		25135.7	183400.5	13.7		29132.2	183400.5	15.9	B31.12-IP-19
54(OCC)		29742.1	183400.5	16.2		32293.9	183400.5	17.6	B31.12-IP-19
2(Alt-SUS)	8360	23354.7	137895.1	16.9	8370	23596.6	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23326.7	137895.1	16.9		23564.0	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23333.1	137895.1	16.9		23571.4	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23332.7	137895.1	16.9		23571.0	137895.1	17.1	B31.12-IP-19
14(SUS)		23334.6	137895.1	16.9		23573.0	137895.1	17.1	B31.12-IP-19
24(EXP)		37804.2	321383.1	11.8		37920.1	321141.3	11.8	B31.12-IP-19
25(EXP)		10224.1	321383.1	3.2		10239.9	321141.3	3.2	B31.12-IP-19
26(EXP)		7381.8	321383.1	2.3		7392.3	321141.3	2.3	B31.12-IP-19
27(EXP)		25716.7	321383.1	8.0		25761.7	321141.3	8.0	B31.12-IP-19
28(EXP)		35940.4	321383.1	11.2		36001.2	321141.3	11.2	B31.12-IP-19
42(OCC)		23570.9	183400.5	12.9		23809.9	183400.5	13.0	B31.12-IP-19
43(OCC)		23588.9	183400.5	12.9		23830.1	183400.5	13.0	B31.12-IP-19
44(OCC)		23574.4	183400.5	12.9		23825.5	183400.5	13.0	B31.12-IP-19
45(OCC)		23556.6	183400.5	12.8		23800.3	183400.5	13.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		23341.1	183400.5	12.7		23579.4	183400.5	12.9	B31.12-IP-19
47(OCC)		27652.2	183400.5	15.1		27949.9	183400.5	15.2	B31.12-IP-19
48(OCC)		33447.1	183400.5	18.2		33859.5	183400.5	18.5	B31.12-IP-19
49(OCC)		29530.9	183400.5	16.1		29848.3	183400.5	16.3	B31.12-IP-19
50(OCC)		26837.3	183400.5	14.6		27231.4	183400.5	14.8	B31.12-IP-19
51(OCC)		33003.7	183400.5	18.0		33452.9	183400.5	18.2	B31.12-IP-19
52(OCC)		28297.7	183400.5	15.4		28525.0	183400.5	15.6	B31.12-IP-19
53(OCC)		26526.0	183400.5	14.5		26966.6	183400.5	14.7	B31.12-IP-19
54(OCC)		30178.3	183400.5	16.5		30478.5	183400.5	16.6	B31.12-IP-19
2(Alt-SUS)	8370	0.0	0.0	0.0	8380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8380	0.0	0.0	0.0	8390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	8390	0.0	0.0	0.0	8400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8400	0.0	0.0	0.0	8410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8390	0.0	0.0	0.0	8420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8320	0.0	0.0	0.0	8430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8430	19764.0	137895.1	14.3	8440	8463.5	137895.1	6.1	B31.12-IP-19
4(Alt-SUS)		16369.7	137895.1	11.9		10187.1	137895.1	7.4	B31.12-IP-19
6(Alt-SUS)		16379.5	137895.1	11.9		10189.8	137895.1	7.4	B31.12-IP-19
8(Alt-SUS)		16416.6	137895.1	11.9		10203.2	137895.1	7.4	B31.12-IP-19
14(SUS)		16018.8	137895.1	11.6		10076.7	137895.1	7.3	B31.12-IP-19
24(EXP)		43613.1	324973.9	13.4		3683.3	334534.7	1.1	B31.12-IP-19
25(EXP)		11998.2	324973.9	3.7		699.6	334534.7	0.2	B31.12-IP-19
26(EXP)		8673.0	324973.9	2.7		575.9	334534.7	0.2	B31.12-IP-19
27(EXP)		31550.5	324973.9	9.7		2273.0	334534.7	0.7	B31.12-IP-19
28(EXP)		43544.3	324973.9	13.4		2955.2	334534.7	0.9	B31.12-IP-19
42(OCC)		17433.8	183400.5	9.5		10434.8	183400.5	5.7	B31.12-IP-19
43(OCC)		16572.6	183400.5	9.0		10260.3	183400.5	5.6	B31.12-IP-19
44(OCC)		17116.1	183400.5	9.3		10434.2	183400.5	5.7	B31.12-IP-19
45(OCC)		16832.9	183400.5	9.2		10337.7	183400.5	5.6	B31.12-IP-19
46(OCC)		19436.4	183400.5	10.6		11154.2	183400.5	6.1	B31.12-IP-19
47(OCC)		34012.2	183400.5	18.5		15381.5	183400.5	8.4	B31.12-IP-19
48(OCC)		18838.8	183400.5	10.3		14341.1	183400.5	7.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		25415.4	183400.5	13.9		14573.1	183400.5	7.9	B31.12-IP-19
50(OCC)		30556.2	183400.5	16.7		15942.5	183400.5	8.7	B31.12-IP-19
51(OCC)		19643.9	183400.5	10.7		12712.3	183400.5	6.9	B31.12-IP-19
52(OCC)		30348.2	183400.5	16.5		14098.1	183400.5	7.7	B31.12-IP-19
53(OCC)		23934.5	183400.5	13.1		14080.1	183400.5	7.7	B31.12-IP-19
54(OCC)		21710.2	183400.5	11.8		13185.6	183400.5	7.2	B31.12-IP-19
2(Alt-SUS)	8440	8561.1	137895.1	6.2	8445	10097.6	137895.1	7.3	B31.12-IP-19
4(Alt-SUS)		10445.8	137895.1	7.6		14173.4	137895.1	10.3	B31.12-IP-19
6(Alt-SUS)		10448.6	137895.1	7.6		14177.3	137895.1	10.3	B31.12-IP-19
8(Alt-SUS)		10462.3	137895.1	7.6		14195.3	137895.1	10.3	B31.12-IP-19
14(SUS)		10333.5	137895.1	7.5		14033.2	137895.1	10.2	B31.12-IP-19
24(EXP)		3683.3	334275.6	1.1		4484.9	330542.6	1.4	B31.12-IP-19
25(EXP)		699.6	334275.6	0.2		1293.1	330542.6	0.4	B31.12-IP-19
26(EXP)		575.9	334275.6	0.2		726.8	330542.6	0.2	B31.12-IP-19
27(EXP)		2273.0	334275.6	0.7		2270.3	330542.6	0.7	B31.12-IP-19
28(EXP)		2955.2	334275.6	0.9		3558.2	330542.6	1.1	B31.12-IP-19
42(OCC)		10690.3	183400.5	5.8		14418.0	183400.5	7.9	B31.12-IP-19
43(OCC)		10524.2	183400.5	5.7		14292.1	183400.5	7.8	B31.12-IP-19
44(OCC)		10684.6	183400.5	5.8		14482.5	183400.5	7.9	B31.12-IP-19
45(OCC)		10590.1	183400.5	5.8		14361.0	183400.5	7.8	B31.12-IP-19
46(OCC)		11428.2	183400.5	6.2		14978.2	183400.5	8.2	B31.12-IP-19
47(OCC)		15570.8	183400.5	8.5		20481.0	183400.5	11.2	B31.12-IP-19
48(OCC)		14817.9	183400.5	8.1		21457.3	183400.5	11.7	B31.12-IP-19
49(OCC)		14720.0	183400.5	8.0		20572.3	183400.5	11.2	B31.12-IP-19
50(OCC)		16045.4	183400.5	8.7		22048.3	183400.5	12.0	B31.12-IP-19
51(OCC)		13159.5	183400.5	7.2		19367.9	183400.5	10.6	B31.12-IP-19
52(OCC)		14314.6	183400.5	7.8		18839.1	183400.5	10.3	B31.12-IP-19
53(OCC)		14238.1	183400.5	7.8		19983.5	183400.5	10.9	B31.12-IP-19
54(OCC)		13360.4	183400.5	7.3		18779.3	183400.5	10.2	B31.12-IP-19
2(Alt-SUS)	8445	10455.8	137895.1	7.6	8451	4231.8	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		14234.6	137895.1	10.3		6513.7	137895.1	4.7	B31.12-IP-19
6(Alt-SUS)		14239.2	137895.1	10.3		6516.8	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		14257.4	137895.1	10.3		6518.7	137895.1	4.7	B31.12-IP-19
14(SUS)		14091.6	137895.1	10.2		6496.9	137895.1	4.7	B31.12-IP-19
24(EXP)		4484.9	330480.5	1.4		3267.2	338219.2	1.0	B31.12-IP-19
25(EXP)		1293.1	330480.5	0.4		976.3	338219.2	0.3	B31.12-IP-19
26(EXP)		726.8	330480.5	0.2		711.0	338219.2	0.2	B31.12-IP-19
27(EXP)		2270.3	330480.5	0.7		2506.0	338219.2	0.7	B31.12-IP-19
28(EXP)		3558.2	330480.5	1.1		3480.2	338219.2	1.0	B31.12-IP-19
42(OCC)		14472.6	183400.5	7.9		6605.3	183400.5	3.6	B31.12-IP-19
43(OCC)		14360.1	183400.5	7.8		6586.9	183400.5	3.6	B31.12-IP-19
44(OCC)		14549.8	183400.5	7.9		6639.3	183400.5	3.6	B31.12-IP-19
45(OCC)		14424.4	183400.5	7.9		6612.5	183400.5	3.6	B31.12-IP-19
46(OCC)		14212.2	183400.5	7.7		6605.0	183400.5	3.6	B31.12-IP-19
47(OCC)		20436.1	183400.5	11.1		8259.2	183400.5	4.5	B31.12-IP-19
48(OCC)		21283.5	183400.5	11.6		8971.2	183400.5	4.9	B31.12-IP-19
49(OCC)		20656.4	183400.5	11.3		8633.7	183400.5	4.7	B31.12-IP-19
50(OCC)		22195.7	183400.5	12.1		8585.3	183400.5	4.7	B31.12-IP-19
51(OCC)		19226.5	183400.5	10.5		8784.2	183400.5	4.8	B31.12-IP-19
52(OCC)		18754.5	183400.5	10.2		8052.9	183400.5	4.4	B31.12-IP-19
53(OCC)		20058.8	183400.5	10.9		8694.0	183400.5	4.7	B31.12-IP-19
54(OCC)		18832.7	183400.5	10.3		8473.6	183400.5	4.6	B31.12-IP-19
2(Alt-SUS)	8451	5716.3	137895.1	4.1	8449	8336.7	137895.1	6.0	B31.12-IP-19
4(Alt-SUS)		11132.7	137895.1	8.1		5021.3	137895.1	3.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		11139.4	137895.1	8.1		5014.7	137895.1	3.6	B31.12-IP-19
8(Alt-SUS)		11143.5	137895.1	8.1		5031.7	137895.1	3.6	B31.12-IP-19
14(SUS)		11096.2	137895.1	8.0		4890.3	137895.1	3.5	B31.12-IP-19
24(EXP)		9303.0	333594.3	2.8		18703.8	336401.2	5.6	B31.12-IP-19
25(EXP)		2415.0	333594.3	0.7		3559.5	336401.2	1.1	B31.12-IP-19
26(EXP)		1834.7	333594.3	0.5		2604.4	336401.2	0.8	B31.12-IP-19
27(EXP)		6389.0	333594.3	1.9		8369.4	336401.2	2.5	B31.12-IP-19
28(EXP)		8802.1	333594.3	2.6		11903.7	336401.2	3.5	B31.12-IP-19
42(OCC)		11324.6	183400.5	6.2		5123.0	183400.5	2.8	B31.12-IP-19
43(OCC)		11227.2	183400.5	6.1		5224.0	183400.5	2.8	B31.12-IP-19
44(OCC)		11358.0	183400.5	6.2		5397.5	183400.5	2.9	B31.12-IP-19
45(OCC)		11292.8	183400.5	6.2		5275.8	183400.5	2.9	B31.12-IP-19
46(OCC)		11345.7	183400.5	6.2		5109.9	183400.5	2.8	B31.12-IP-19
47(OCC)		14749.1	183400.5	8.0		6555.1	183400.5	3.6	B31.12-IP-19
48(OCC)		16565.4	183400.5	9.0		6776.5	183400.5	3.7	B31.12-IP-19
49(OCC)		15822.3	183400.5	8.6		6710.2	183400.5	3.7	B31.12-IP-19
50(OCC)		15667.2	183400.5	8.5		8783.6	183400.5	4.8	B31.12-IP-19
51(OCC)		16072.0	183400.5	8.8		5069.6	183400.5	2.8	B31.12-IP-19
52(OCC)		14303.6	183400.5	7.8		5883.1	183400.5	3.2	B31.12-IP-19
53(OCC)		15911.3	183400.5	8.7		5736.1	183400.5	3.1	B31.12-IP-19
54(OCC)		15401.9	183400.5	8.4		6019.2	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	8449	8336.7	137895.1	6.0	8450	10586.1	137895.1	7.7	B31.12-IP-19
4(Alt-SUS)		5021.3	137895.1	3.6		8476.1	137895.1	6.1	B31.12-IP-19
6(Alt-SUS)		5014.7	137895.1	3.6		8467.4	137895.1	6.1	B31.12-IP-19
8(Alt-SUS)		5031.7	137895.1	3.6		8490.3	137895.1	6.2	B31.12-IP-19
14(SUS)		4890.3	137895.1	3.5		8298.7	137895.1	6.0	B31.12-IP-19
24(EXP)		18703.8	336401.2	5.6		19310.5	334151.8	5.8	B31.12-IP-19
25(EXP)		3559.5	336401.2	1.1		3736.5	334151.8	1.1	B31.12-IP-19
26(EXP)		2604.4	336401.2	0.8		2491.2	334151.8	0.7	B31.12-IP-19
27(EXP)		8369.4	336401.2	2.5		8015.9	334151.8	2.4	B31.12-IP-19
28(EXP)		11903.7	336401.2	3.5		11728.1	334151.8	3.5	B31.12-IP-19
42(OCC)		5123.0	183400.5	2.8		8918.3	183400.5	4.9	B31.12-IP-19
43(OCC)		5224.0	183400.5	2.8		8639.5	183400.5	4.7	B31.12-IP-19
44(OCC)		5397.5	183400.5	2.9		8906.9	183400.5	4.9	B31.12-IP-19
45(OCC)		5275.8	183400.5	2.9		8781.1	183400.5	4.8	B31.12-IP-19
46(OCC)		5109.9	183400.5	2.8		8483.0	183400.5	4.6	B31.12-IP-19
47(OCC)		6555.1	183400.5	3.6		8968.5	183400.5	4.9	B31.12-IP-19
48(OCC)		6776.5	183400.5	3.7		15236.8	183400.5	8.3	B31.12-IP-19
49(OCC)		6710.2	183400.5	3.7		11965.9	183400.5	6.5	B31.12-IP-19
50(OCC)		8783.6	183400.5	4.8		14479.2	183400.5	7.9	B31.12-IP-19
51(OCC)		5069.6	183400.5	2.8		12733.8	183400.5	6.9	B31.12-IP-19
52(OCC)		5883.1	183400.5	3.2		10528.4	183400.5	5.7	B31.12-IP-19
53(OCC)		5736.1	183400.5	3.1		11358.3	183400.5	6.2	B31.12-IP-19
54(OCC)		6019.2	183400.5	3.3		10503.5	183400.5	5.7	B31.12-IP-19
2(Alt-SUS)	8450	6701.5	137895.1	4.9	8460	6669.4	137895.1	4.8	B31.12-IP-19
4(Alt-SUS)		5919.6	137895.1	4.3		5897.9	137895.1	4.3	B31.12-IP-19
6(Alt-SUS)		5915.9	137895.1	4.3		5894.2	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		5926.9	137895.1	4.3		5905.0	137895.1	4.3	B31.12-IP-19
14(SUS)		5834.3	137895.1	4.2		5813.2	137895.1	4.2	B31.12-IP-19
24(EXP)		7802.3	338036.3	2.3		7784.5	338068.4	2.3	B31.12-IP-19
25(EXP)		1581.9	338036.3	0.5		1570.3	338068.4	0.5	B31.12-IP-19
26(EXP)		1197.9	338036.3	0.4		1193.0	338068.4	0.4	B31.12-IP-19
27(EXP)		3862.3	338036.3	1.1		3842.7	338068.4	1.1	B31.12-IP-19
28(EXP)		5427.8	338036.3	1.6		5396.3	338068.4	1.6	B31.12-IP-19
42(OCC)		6120.5	183400.5	3.3		6107.0	183400.5	3.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		6033.1	183400.5	3.3		6016.9	183400.5	3.3	B31.12-IP-19
44(OCC)		6183.3	183400.5	3.4		6164.3	183400.5	3.4	B31.12-IP-19
45(OCC)		6110.0	183400.5	3.3		6091.9	183400.5	3.3	B31.12-IP-19
46(OCC)		5913.9	183400.5	3.2		5892.0	183400.5	3.2	B31.12-IP-19
47(OCC)		6469.8	183400.5	3.5		6515.2	183400.5	3.6	B31.12-IP-19
48(OCC)		9141.4	183400.5	5.0		9188.5	183400.5	5.0	B31.12-IP-19
49(OCC)		7769.3	183400.5	4.2		7751.1	183400.5	4.2	B31.12-IP-19
50(OCC)		8991.9	183400.5	4.9		8948.9	183400.5	4.9	B31.12-IP-19
51(OCC)		7932.4	183400.5	4.3		7990.9	183400.5	4.4	B31.12-IP-19
52(OCC)		7032.4	183400.5	3.8		7098.5	183400.5	3.9	B31.12-IP-19
53(OCC)		7543.1	183400.5	4.1		7567.2	183400.5	4.1	B31.12-IP-19
54(OCC)		7103.0	183400.5	3.9		7134.3	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	8460	0.0	0.0	0.0	8470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8470	0.0	0.0	0.0	8480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8480	0.0	0.0	0.0	8490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8490	3818.4	137895.1	2.8	8500	3113.5	137895.1	2.3	B31.12-IP-19
4(Alt-SUS)		3701.7	137895.1	2.7		3273.7	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3692.6	137895.1	2.7		3298.9	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3697.5	137895.1	2.7		3299.2	137895.1	2.4	B31.12-IP-19
14(SUS)		3657.1	137895.1	2.7		3274.6	137895.1	2.4	B31.12-IP-19
24(EXP)		11364.6	340919.4	3.3		15253.3	341438.6	4.5	B31.12-IP-19
25(EXP)		1328.4	340919.4	0.4		1625.3	341438.6	0.5	B31.12-IP-19
26(EXP)		1453.9	340919.4	0.4		1897.1	341438.6	0.6	B31.12-IP-19
27(EXP)		4211.3	340919.4	1.2		5392.8	341438.6	1.6	B31.12-IP-19
28(EXP)		5520.6	340919.4	1.6		7005.6	341438.6	2.1	B31.12-IP-19
42(OCC)		4659.1	183400.5	2.5		4832.5	183400.5	2.6	B31.12-IP-19
43(OCC)		4723.7	183400.5	2.6		5011.8	183400.5	2.7	B31.12-IP-19
44(OCC)		4550.8	183400.5	2.5		4691.6	183400.5	2.6	B31.12-IP-19
45(OCC)		4468.9	183400.5	2.4		4582.2	183400.5	2.5	B31.12-IP-19
46(OCC)		3684.0	183400.5	2.0		3295.0	183400.5	1.8	B31.12-IP-19
47(OCC)		4686.9	183400.5	2.6		5070.6	183400.5	2.8	B31.12-IP-19
48(OCC)		5481.4	183400.5	3.0		5293.0	183400.5	2.9	B31.12-IP-19
49(OCC)		6447.4	183400.5	3.5		10525.1	183400.5	5.7	B31.12-IP-19
50(OCC)		10719.0	183400.5	5.8		16282.8	183400.5	8.9	B31.12-IP-19
51(OCC)		5187.2	183400.5	2.8		5167.2	183400.5	2.8	B31.12-IP-19
52(OCC)		4956.0	183400.5	2.7		5300.4	183400.5	2.9	B31.12-IP-19
53(OCC)		4330.8	183400.5	2.4		7758.1	183400.5	4.2	B31.12-IP-19
54(OCC)		4825.0	183400.5	2.6		8384.2	183400.5	4.6	B31.12-IP-19
2(Alt-SUS)	8500	3272.2	137895.1	2.4	8510	3556.7	137895.1	2.6	B31.12-IP-19
4(Alt-SUS)		3279.3	137895.1	2.4		3243.5	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3305.0	137895.1	2.4		3273.1	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3303.1	137895.1	2.4		3271.5	137895.1	2.4	B31.12-IP-19
14(SUS)		3298.1	137895.1	2.4		3271.6	137895.1	2.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		15253.3	341432.8	4.5		6283.0	341181.1	1.8	B31.12-IP-19
25(EXP)		1625.3	341432.8	0.5		1572.9	341181.1	0.5	B31.12-IP-19
26(EXP)		1897.1	341432.8	0.6		1173.1	341181.1	0.3	B31.12-IP-19
27(EXP)		5392.8	341432.8	1.6		4008.6	341181.1	1.2	B31.12-IP-19
28(EXP)		7005.6	341432.8	2.1		5573.9	341181.1	1.6	B31.12-IP-19
42(OCC)		4819.6	183400.5	2.6		3748.1	183400.5	2.0	B31.12-IP-19
43(OCC)		5010.1	183400.5	2.7		3812.1	183400.5	2.1	B31.12-IP-19
44(OCC)		4672.0	183400.5	2.5		3601.7	183400.5	2.0	B31.12-IP-19
45(OCC)		4575.1	183400.5	2.5		3551.5	183400.5	1.9	B31.12-IP-19
46(OCC)		3317.8	183400.5	1.8		3280.9	183400.5	1.8	B31.12-IP-19
47(OCC)		5003.4	183400.5	2.7		3851.6	183400.5	2.1	B31.12-IP-19
48(OCC)		5201.0	183400.5	2.8		4003.9	183400.5	2.2	B31.12-IP-19
49(OCC)		10451.0	183400.5	5.7		5801.0	183400.5	3.2	B31.12-IP-19
50(OCC)		16019.2	183400.5	8.7		8801.6	183400.5	4.8	B31.12-IP-19
51(OCC)		5161.4	183400.5	2.8		3974.6	183400.5	2.2	B31.12-IP-19
52(OCC)		5334.6	183400.5	2.9		4006.1	183400.5	2.2	B31.12-IP-19
53(OCC)		7860.4	183400.5	4.3		4629.5	183400.5	2.5	B31.12-IP-19
54(OCC)		8288.8	183400.5	4.5		4871.5	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	8510	3556.7	137895.1	2.6	8518	3768.1	137895.1	2.7	B31.12-IP-19
4(Alt-SUS)		3243.7	137895.1	2.4		3247.6	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3273.3	137895.1	2.4		3260.7	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3271.6	137895.1	2.4		3259.9	137895.1	2.4	B31.12-IP-19
14(SUS)		3271.7	137895.1	2.4		3262.6	137895.1	2.4	B31.12-IP-19
24(EXP)		6283.0	341181.2	1.8		11571.1	340969.7	3.4	B31.12-IP-19
25(EXP)		1572.9	341181.2	0.5		2464.8	340969.7	0.7	B31.12-IP-19
26(EXP)		1173.1	341181.2	0.3		1931.9	340969.7	0.6	B31.12-IP-19
27(EXP)		4008.6	341181.2	1.2		6497.5	340969.7	1.9	B31.12-IP-19
28(EXP)		5573.9	341181.2	1.6		8960.6	340969.7	2.6	B31.12-IP-19
42(OCC)		3748.3	183400.5	2.0		3339.4	183400.5	1.8	B31.12-IP-19
43(OCC)		3812.3	183400.5	2.1		3384.4	183400.5	1.8	B31.12-IP-19
44(OCC)		3602.0	183400.5	2.0		3551.5	183400.5	1.9	B31.12-IP-19
45(OCC)		3551.8	183400.5	1.9		3482.0	183400.5	1.9	B31.12-IP-19
46(OCC)		3281.0	183400.5	1.8		3277.4	183400.5	1.8	B31.12-IP-19
47(OCC)		3851.7	183400.5	2.1		3402.0	183400.5	1.9	B31.12-IP-19
48(OCC)		4004.0	183400.5	2.2		3537.4	183400.5	1.9	B31.12-IP-19
49(OCC)		5800.1	183400.5	3.2		3705.6	183400.5	2.0	B31.12-IP-19
50(OCC)		8803.2	183400.5	4.8		4923.4	183400.5	2.7	B31.12-IP-19
51(OCC)		3974.6	183400.5	2.2		3494.7	183400.5	1.9	B31.12-IP-19
52(OCC)		4006.1	183400.5	2.2		3483.6	183400.5	1.9	B31.12-IP-19
53(OCC)		4630.2	183400.5	2.5		3692.1	183400.5	2.0	B31.12-IP-19
54(OCC)		4870.9	183400.5	2.7		3523.6	183400.5	1.9	B31.12-IP-19
2(Alt-SUS)	8518	4758.2	137895.1	3.5	8519	4978.7	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		3451.3	137895.1	2.5		3322.7	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3474.6	137895.1	2.5		3320.5	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3472.6	137895.1	2.5		3319.6	137895.1	2.4	B31.12-IP-19
14(SUS)		3479.3	137895.1	2.5		3315.0	137895.1	2.4	B31.12-IP-19
24(EXP)		31930.7	339979.7	9.4		42102.5	339759.2	12.4	B31.12-IP-19
25(EXP)		6742.9	339979.7	2.0		8226.5	339759.2	2.4	B31.12-IP-19
26(EXP)		5200.0	339979.7	1.5		6688.0	339759.2	2.0	B31.12-IP-19
27(EXP)		17633.2	339979.7	5.2		22148.5	339759.2	6.5	B31.12-IP-19
28(EXP)		24373.3	339979.7	7.2		30372.5	339759.2	8.9	B31.12-IP-19
42(OCC)		3617.9	183400.5	2.0		3511.7	183400.5	1.9	B31.12-IP-19
43(OCC)		3696.0	183400.5	2.0		3724.8	183400.5	2.0	B31.12-IP-19
44(OCC)		3990.8	183400.5	2.2		4076.7	183400.5	2.2	B31.12-IP-19
45(OCC)		3889.0	183400.5	2.1		4004.9	183400.5	2.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		3508.4	183400.5	1.9		3351.8	183400.5	1.8	B31.12-IP-19
47(OCC)		3725.4	183400.5	2.0		3427.3	183400.5	1.9	B31.12-IP-19
48(OCC)		3948.8	183400.5	2.2		3522.7	183400.5	1.9	B31.12-IP-19
49(OCC)		4167.6	183400.5	2.3		5636.7	183400.5	3.1	B31.12-IP-19
50(OCC)		7196.7	183400.5	3.9		4263.9	183400.5	2.3	B31.12-IP-19
51(OCC)		3908.4	183400.5	2.1		3598.3	183400.5	2.0	B31.12-IP-19
52(OCC)		3770.0	183400.5	2.1		3696.6	183400.5	2.0	B31.12-IP-19
53(OCC)		4365.8	183400.5	2.4		5527.4	183400.5	3.0	B31.12-IP-19
54(OCC)		3947.1	183400.5	2.2		5420.4	183400.5	3.0	B31.12-IP-19
2(Alt-SUS)	8519	4978.7	137895.1	3.6	8520	5036.7	137895.1	3.7	B31.12-IP-19
4(Alt-SUS)		3322.7	137895.1	2.4		3277.5	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3320.5	137895.1	2.4		3306.6	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3319.6	137895.1	2.4		3306.4	137895.1	2.4	B31.12-IP-19
14(SUS)		3315.0	137895.1	2.4		3297.6	137895.1	2.4	B31.12-IP-19
24(EXP)		42102.5	339759.2	12.4		39266.6	339701.1	11.6	B31.12-IP-19
25(EXP)		8226.5	339759.2	2.4		7371.3	339701.1	2.2	B31.12-IP-19
26(EXP)		6688.0	339759.2	2.0		6226.2	339701.1	1.8	B31.12-IP-19
27(EXP)		22148.5	339759.2	6.5		20312.6	339701.1	6.0	B31.12-IP-19
28(EXP)		30372.5	339759.2	8.9		27682.3	339701.1	8.1	B31.12-IP-19
42(OCC)		3511.7	183400.5	1.9		3667.0	183400.5	2.0	B31.12-IP-19
43(OCC)		3724.8	183400.5	2.0		3818.6	183400.5	2.1	B31.12-IP-19
44(OCC)		4076.7	183400.5	2.2		4136.9	183400.5	2.3	B31.12-IP-19
45(OCC)		4004.9	183400.5	2.2		4061.6	183400.5	2.2	B31.12-IP-19
46(OCC)		3351.8	183400.5	1.8		3331.3	183400.5	1.8	B31.12-IP-19
47(OCC)		3427.3	183400.5	1.9		3678.4	183400.5	2.0	B31.12-IP-19
48(OCC)		3522.7	183400.5	1.9		3479.7	183400.5	1.9	B31.12-IP-19
49(OCC)		5636.7	183400.5	3.1		6508.0	183400.5	3.5	B31.12-IP-19
50(OCC)		4263.9	183400.5	2.3		4994.1	183400.5	2.7	B31.12-IP-19
51(OCC)		3598.3	183400.5	2.0		3940.2	183400.5	2.1	B31.12-IP-19
52(OCC)		3696.6	183400.5	2.0		4025.7	183400.5	2.2	B31.12-IP-19
53(OCC)		5527.4	183400.5	3.0		5660.5	183400.5	3.1	B31.12-IP-19
54(OCC)		5420.4	183400.5	3.0		6109.9	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	8520	3864.5	137895.1	2.8	8530	6501.5	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		3137.8	137895.1	2.3		4438.1	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		3147.9	137895.1	2.3		4376.7	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		3147.8	137895.1	2.3		4379.1	137895.1	3.2	B31.12-IP-19
14(SUS)		3143.4	137895.1	2.3		4359.8	137895.1	3.2	B31.12-IP-19
24(EXP)		14158.3	340873.3	4.2		22651.1	338236.4	6.7	B31.12-IP-19
25(EXP)		2736.9	340873.3	0.8		4816.3	338236.4	1.4	B31.12-IP-19
26(EXP)		2227.7	340873.3	0.7		3434.7	338236.4	1.0	B31.12-IP-19
27(EXP)		7356.6	340873.3	2.2		12034.8	338236.4	3.6	B31.12-IP-19
28(EXP)		10090.4	340873.3	3.0		16849.8	338236.4	5.0	B31.12-IP-19
42(OCC)		3350.5	183400.5	1.8		5622.5	183400.5	3.1	B31.12-IP-19
43(OCC)		3406.3	183400.5	1.9		5576.5	183400.5	3.0	B31.12-IP-19
44(OCC)		3554.1	183400.5	1.9		4824.0	183400.5	2.6	B31.12-IP-19
45(OCC)		3492.8	183400.5	1.9		4472.6	183400.5	2.4	B31.12-IP-19
46(OCC)		3158.9	183400.5	1.7		4397.6	183400.5	2.4	B31.12-IP-19
47(OCC)		3343.0	183400.5	1.8		5608.2	183400.5	3.1	B31.12-IP-19
48(OCC)		3229.7	183400.5	1.8		5788.5	183400.5	3.2	B31.12-IP-19
49(OCC)		4689.7	183400.5	2.6		6151.2	183400.5	3.4	B31.12-IP-19
50(OCC)		4130.0	183400.5	2.3		5378.4	183400.5	2.9	B31.12-IP-19
51(OCC)		3448.8	183400.5	1.9		5785.5	183400.5	3.2	B31.12-IP-19
52(OCC)		3487.5	183400.5	1.9		5485.3	183400.5	3.0	B31.12-IP-19
53(OCC)		4242.3	183400.5	2.3		4949.6	183400.5	2.7	B31.12-IP-19
54(OCC)		4437.8	183400.5	2.4		5266.8	183400.5	2.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	8530	6510.4	137895.1	4.7	8538	3310.9	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		4440.3	137895.1	3.2		3272.2	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		4379.1	137895.1	3.2		3131.3	137895.1	2.3	B31.12-IP-19
8(Alt-SUS)		4381.3	137895.1	3.2		3131.9	137895.1	2.3	B31.12-IP-19
14(SUS)		4361.4	137895.1	3.2		3127.2	137895.1	2.3	B31.12-IP-19
24(EXP)		22651.1	338227.4	6.7		11038.7	341426.9	3.2	B31.12-IP-19
25(EXP)		4816.3	338227.4	1.4		2123.7	341426.9	0.6	B31.12-IP-19
26(EXP)		3434.7	338227.4	1.0		1260.2	341426.9	0.4	B31.12-IP-19
27(EXP)		12034.8	338227.4	3.6		4655.9	341426.9	1.4	B31.12-IP-19
28(EXP)		16849.8	338227.4	5.0		6771.1	341426.9	2.0	B31.12-IP-19
42(OCC)		5637.1	183400.5	3.1		3288.5	183400.5	1.8	B31.12-IP-19
43(OCC)		5570.3	183400.5	3.0		3322.6	183400.5	1.8	B31.12-IP-19
44(OCC)		4827.9	183400.5	2.6		3564.0	183400.5	1.9	B31.12-IP-19
45(OCC)		4471.9	183400.5	2.4		3368.2	183400.5	1.8	B31.12-IP-19
46(OCC)		4398.8	183400.5	2.4		3133.0	183400.5	1.7	B31.12-IP-19
47(OCC)		5608.6	183400.5	3.1		3228.4	183400.5	1.8	B31.12-IP-19
48(OCC)		5786.9	183400.5	3.2		3279.7	183400.5	1.8	B31.12-IP-19
49(OCC)		6121.4	183400.5	3.3		3839.6	183400.5	2.1	B31.12-IP-19
50(OCC)		5391.1	183400.5	2.9		4283.1	183400.5	2.3	B31.12-IP-19
51(OCC)		5800.1	183400.5	3.2		3313.1	183400.5	1.8	B31.12-IP-19
52(OCC)		5490.0	183400.5	3.0		3422.9	183400.5	1.9	B31.12-IP-19
53(OCC)		4985.3	183400.5	2.7		3748.9	183400.5	2.0	B31.12-IP-19
54(OCC)		5246.3	183400.5	2.9		3819.8	183400.5	2.1	B31.12-IP-19
2(Alt-SUS)	8538	3654.4	137895.1	2.7	8539	3507.2	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3568.6	137895.1	2.6		3545.9	137895.1	2.6	B31.12-IP-19
6(Alt-SUS)		3248.1	137895.1	2.4		3271.4	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3249.2	137895.1	2.4		3270.2	137895.1	2.4	B31.12-IP-19
14(SUS)		3244.5	137895.1	2.4		3291.6	137895.1	2.4	B31.12-IP-19
24(EXP)		26100.4	341083.5	7.7		20248.7	341191.9	5.9	B31.12-IP-19
25(EXP)		5036.3	341083.5	1.5		4487.0	341191.9	1.3	B31.12-IP-19
26(EXP)		2673.5	341083.5	0.8		2318.7	341191.9	0.7	B31.12-IP-19
27(EXP)		10333.1	341083.5	3.0		9093.2	341191.9	2.7	B31.12-IP-19
28(EXP)		15349.5	341083.5	4.5		13572.3	341191.9	4.0	B31.12-IP-19
42(OCC)		3541.4	183400.5	1.9		3464.3	183400.5	1.9	B31.12-IP-19
43(OCC)		3578.2	183400.5	2.0		3822.8	183400.5	2.1	B31.12-IP-19
44(OCC)		4044.7	183400.5	2.2		3793.7	183400.5	2.1	B31.12-IP-19
45(OCC)		3689.6	183400.5	2.0		3651.0	183400.5	2.0	B31.12-IP-19
46(OCC)		3256.5	183400.5	1.8		3304.5	183400.5	1.8	B31.12-IP-19
47(OCC)		3354.5	183400.5	1.8		3717.4	183400.5	2.0	B31.12-IP-19
48(OCC)		3556.4	183400.5	1.9		3869.2	183400.5	2.1	B31.12-IP-19
49(OCC)		4467.5	183400.5	2.4		4160.4	183400.5	2.3	B31.12-IP-19
50(OCC)		5686.6	183400.5	3.1		5025.5	183400.5	2.7	B31.12-IP-19
51(OCC)		3624.5	183400.5	2.0		3449.4	183400.5	1.9	B31.12-IP-19
52(OCC)		3831.7	183400.5	2.1		4161.8	183400.5	2.3	B31.12-IP-19
53(OCC)		4450.0	183400.5	2.4		4054.3	183400.5	2.2	B31.12-IP-19
54(OCC)		4693.8	183400.5	2.6		4616.3	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	8539	3507.2	137895.1	2.5	8540	3341.5	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3545.9	137895.1	2.6		3784.4	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3271.4	137895.1	2.4		3551.9	137895.1	2.6	B31.12-IP-19
8(Alt-SUS)		3270.2	137895.1	2.4		3551.1	137895.1	2.6	B31.12-IP-19
14(SUS)		3291.6	137895.1	2.4		3558.2	137895.1	2.6	B31.12-IP-19
24(EXP)		20248.8	341191.9	5.9		18482.5	340953.5	5.4	B31.12-IP-19
25(EXP)		4487.0	341191.9	1.3		4377.7	340953.5	1.3	B31.12-IP-19
26(EXP)		2318.7	341191.9	0.7		2706.0	340953.5	0.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		9093.2	341191.9	2.7		9727.7	340953.5	2.9	B31.12-IP-19
28(EXP)		13572.3	341191.9	4.0		14101.5	340953.5	4.1	B31.12-IP-19
42(OCC)		3464.3	183400.5	1.9		4019.4	183400.5	2.2	B31.12-IP-19
43(OCC)		3822.8	183400.5	2.1		4105.9	183400.5	2.2	B31.12-IP-19
44(OCC)		3793.7	183400.5	2.1		4033.6	183400.5	2.2	B31.12-IP-19
45(OCC)		3651.0	183400.5	2.0		3951.5	183400.5	2.2	B31.12-IP-19
46(OCC)		3304.5	183400.5	1.8		3567.2	183400.5	1.9	B31.12-IP-19
47(OCC)		3717.4	183400.5	2.0		4158.9	183400.5	2.3	B31.12-IP-19
48(OCC)		3869.2	183400.5	2.1		4370.0	183400.5	2.4	B31.12-IP-19
49(OCC)		4160.4	183400.5	2.3		4423.4	183400.5	2.4	B31.12-IP-19
50(OCC)		5025.5	183400.5	2.7		4105.8	183400.5	2.2	B31.12-IP-19
51(OCC)		3449.4	183400.5	1.9		4268.3	183400.5	2.3	B31.12-IP-19
52(OCC)		4161.8	183400.5	2.3		4294.5	183400.5	2.3	B31.12-IP-19
53(OCC)		4054.3	183400.5	2.2		4375.9	183400.5	2.4	B31.12-IP-19
54(OCC)		4616.3	183400.5	2.5		4332.9	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	8540	3163.8	137895.1	2.3	8550	3424.4	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3374.0	137895.1	2.4		3876.0	137895.1	2.8	B31.12-IP-19
6(Alt-SUS)		3287.8	137895.1	2.4		3845.8	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3287.4	137895.1	2.4		3845.0	137895.1	2.8	B31.12-IP-19
14(SUS)		3291.0	137895.1	2.4		3850.5	137895.1	2.8	B31.12-IP-19
24(EXP)		11342.2	341363.8	3.3		10048.2	340861.8	2.9	B31.12-IP-19
25(EXP)		2138.7	341363.8	0.6		1738.0	340861.8	0.5	B31.12-IP-19
26(EXP)		1357.8	341363.8	0.4		1194.8	340861.8	0.4	B31.12-IP-19
27(EXP)		4859.3	341363.8	1.4		4085.2	340861.8	1.2	B31.12-IP-19
28(EXP)		6996.9	341363.8	2.0		5820.1	340861.8	1.7	B31.12-IP-19
42(OCC)		3517.2	183400.5	1.9		4178.1	183400.5	2.3	B31.12-IP-19
43(OCC)		3578.4	183400.5	2.0		4039.7	183400.5	2.2	B31.12-IP-19
44(OCC)		3686.7	183400.5	2.0		4272.3	183400.5	2.3	B31.12-IP-19
45(OCC)		3558.2	183400.5	1.9		4156.8	183400.5	2.3	B31.12-IP-19
46(OCC)		3298.4	183400.5	1.8		3861.1	183400.5	2.1	B31.12-IP-19
47(OCC)		3632.9	183400.5	2.0		4398.2	183400.5	2.4	B31.12-IP-19
48(OCC)		3672.3	183400.5	2.0		4381.7	183400.5	2.4	B31.12-IP-19
49(OCC)		4056.4	183400.5	2.2		4588.5	183400.5	2.5	B31.12-IP-19
50(OCC)		3600.0	183400.5	2.0		5390.2	183400.5	2.9	B31.12-IP-19
51(OCC)		3637.5	183400.5	2.0		4553.2	183400.5	2.5	B31.12-IP-19
52(OCC)		3734.1	183400.5	2.0		4437.5	183400.5	2.4	B31.12-IP-19
53(OCC)		3834.2	183400.5	2.1		4587.6	183400.5	2.5	B31.12-IP-19
54(OCC)		3911.0	183400.5	2.1		4633.7	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	8550	3425.3	137895.1	2.5	8560	4330.5	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		3876.7	137895.1	2.8		5473.5	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		3846.8	137895.1	2.8		5414.3	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		3846.0	137895.1	2.8		5412.4	137895.1	3.9	B31.12-IP-19
14(SUS)		3851.5	137895.1	2.8		5425.2	137895.1	3.9	B31.12-IP-19
24(EXP)		10048.2	340861.1	2.9		11606.8	339264.3	3.4	B31.12-IP-19
25(EXP)		1738.0	340861.1	0.5		1663.7	339264.3	0.5	B31.12-IP-19
26(EXP)		1194.8	340861.1	0.4		1788.9	339264.3	0.5	B31.12-IP-19
27(EXP)		4085.2	340861.1	1.2		4602.7	339264.3	1.4	B31.12-IP-19
28(EXP)		5820.1	340861.1	1.7		6160.7	339264.3	1.8	B31.12-IP-19
42(OCC)		4179.2	183400.5	2.3		6292.8	183400.5	3.4	B31.12-IP-19
43(OCC)		4041.1	183400.5	2.2		5647.7	183400.5	3.1	B31.12-IP-19
44(OCC)		4273.4	183400.5	2.3		6086.8	183400.5	3.3	B31.12-IP-19
45(OCC)		4157.8	183400.5	2.3		5959.0	183400.5	3.2	B31.12-IP-19
46(OCC)		3862.1	183400.5	2.1		5451.1	183400.5	3.0	B31.12-IP-19
47(OCC)		4400.2	183400.5	2.4		6790.3	183400.5	3.7	B31.12-IP-19
48(OCC)		4382.1	183400.5	2.4		6750.0	183400.5	3.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		4589.5	183400.5	2.5		6415.1	183400.5	3.5	B31.12-IP-19
50(OCC)		5392.0	183400.5	2.9		10870.4	183400.5	5.9	B31.12-IP-19
51(OCC)		4553.5	183400.5	2.5		7414.6	183400.5	4.0	B31.12-IP-19
52(OCC)		4439.3	183400.5	2.4		6899.9	183400.5	3.8	B31.12-IP-19
53(OCC)		4588.0	183400.5	2.5		7129.1	183400.5	3.9	B31.12-IP-19
54(OCC)		4635.3	183400.5	2.5		7568.9	183400.5	4.1	B31.12-IP-19
2(Alt-SUS)	8560	5918.9	137895.1	4.3	8570	4765.2	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		8780.5	137895.1	6.4		5635.2	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		6099.4	137895.1	4.4		4843.2	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		6102.2	137895.1	4.4		4844.6	137895.1	3.5	B31.12-IP-19
14(SUS)		6113.7	137895.1	4.4		4843.9	137895.1	3.5	B31.12-IP-19
24(EXP)		44036.2	335957.3	13.1		5893.4	339102.7	1.7	B31.12-IP-19
25(EXP)		5213.2	335957.3	1.6		1232.0	339102.7	0.4	B31.12-IP-19
26(EXP)		5184.0	335957.3	1.5		777.3	339102.7	0.2	B31.12-IP-19
27(EXP)		18915.3	335957.3	5.6		2929.2	339102.7	0.9	B31.12-IP-19
28(EXP)		24106.1	335957.3	7.2		4052.1	339102.7	1.2	B31.12-IP-19
42(OCC)		6724.0	183400.5	3.7		5055.3	183400.5	2.8	B31.12-IP-19
43(OCC)		6812.9	183400.5	3.7		5095.1	183400.5	2.8	B31.12-IP-19
44(OCC)		7296.5	183400.5	4.0		5090.1	183400.5	2.8	B31.12-IP-19
45(OCC)		6837.2	183400.5	3.7		5024.8	183400.5	2.7	B31.12-IP-19
46(OCC)		6129.2	183400.5	3.3		4848.1	183400.5	2.6	B31.12-IP-19
47(OCC)		7053.8	183400.5	3.8		5371.6	183400.5	2.9	B31.12-IP-19
48(OCC)		7476.0	183400.5	4.1		5279.1	183400.5	2.9	B31.12-IP-19
49(OCC)		9503.9	183400.5	5.2		5617.9	183400.5	3.1	B31.12-IP-19
50(OCC)		8240.9	183400.5	4.5		6007.2	183400.5	3.3	B31.12-IP-19
51(OCC)		7735.3	183400.5	4.2		5380.2	183400.5	2.9	B31.12-IP-19
52(OCC)		7455.5	183400.5	4.1		5376.7	183400.5	2.9	B31.12-IP-19
53(OCC)		7386.2	183400.5	4.0		5015.5	183400.5	2.7	B31.12-IP-19
54(OCC)		8924.1	183400.5	4.9		5650.8	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	8570	4765.2	137895.1	3.5	8578	4714.4	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		5635.2	137895.1	4.1		5363.3	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		4843.2	137895.1	3.5		4780.4	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4844.6	137895.1	3.5		4781.9	137895.1	3.5	B31.12-IP-19
14(SUS)		4843.9	137895.1	3.5		4777.0	137895.1	3.5	B31.12-IP-19
24(EXP)		5893.4	339102.7	1.7		8303.0	339374.5	2.4	B31.12-IP-19
25(EXP)		1232.0	339102.7	0.4		1968.1	339374.5	0.6	B31.12-IP-19
26(EXP)		777.3	339102.7	0.2		1225.4	339374.5	0.4	B31.12-IP-19
27(EXP)		2929.2	339102.7	0.9		4418.6	339374.5	1.3	B31.12-IP-19
28(EXP)		4052.1	339102.7	1.2		6344.3	339374.5	1.9	B31.12-IP-19
42(OCC)		5055.3	183400.5	2.8		4865.3	183400.5	2.7	B31.12-IP-19
43(OCC)		5095.1	183400.5	2.8		4902.8	183400.5	2.7	B31.12-IP-19
44(OCC)		5090.1	183400.5	2.8		5017.4	183400.5	2.7	B31.12-IP-19
45(OCC)		5024.8	183400.5	2.7		4883.2	183400.5	2.7	B31.12-IP-19
46(OCC)		4848.1	183400.5	2.6		4780.3	183400.5	2.6	B31.12-IP-19
47(OCC)		5371.6	183400.5	2.9		5584.6	183400.5	3.0	B31.12-IP-19
48(OCC)		5279.1	183400.5	2.9		5611.5	183400.5	3.1	B31.12-IP-19
49(OCC)		5617.9	183400.5	3.1		5270.4	183400.5	2.9	B31.12-IP-19
50(OCC)		6007.2	183400.5	3.3		5963.0	183400.5	3.3	B31.12-IP-19
51(OCC)		5380.2	183400.5	2.9		5666.9	183400.5	3.1	B31.12-IP-19
52(OCC)		5376.7	183400.5	2.9		5547.1	183400.5	3.0	B31.12-IP-19
53(OCC)		5015.5	183400.5	2.7		5258.1	183400.5	2.9	B31.12-IP-19
54(OCC)		5650.8	183400.5	3.1		5310.7	183400.5	2.9	B31.12-IP-19
2(Alt-SUS)	8578	5326.8	137895.1	3.9	8579	4965.4	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		6782.2	137895.1	4.9		5152.8	137895.1	3.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		5475.7	137895.1	4.0		4936.7	137895.1	3.6	B31.12-IP-19
8(Alt-SUS)		5479.1	137895.1	4.0		4935.3	137895.1	3.6	B31.12-IP-19
14(SUS)		5465.3	137895.1	4.0		4957.3	137895.1	3.6	B31.12-IP-19
24(EXP)		24861.6	337955.6	7.4		28849.2	339585.0	8.5	B31.12-IP-19
25(EXP)		5734.5	337955.6	1.7		5257.6	339585.0	1.5	B31.12-IP-19
26(EXP)		3784.8	337955.6	1.1		4066.8	339585.0	1.2	B31.12-IP-19
27(EXP)		13462.1	337955.6	4.0		13763.4	339585.0	4.1	B31.12-IP-19
28(EXP)		19061.8	337955.6	5.6		18990.5	339585.0	5.6	B31.12-IP-19
42(OCC)		5590.7	183400.5	3.0		5128.5	183400.5	2.8	B31.12-IP-19
43(OCC)		5672.8	183400.5	3.1		5342.8	183400.5	2.9	B31.12-IP-19
44(OCC)		5915.9	183400.5	3.2		6071.5	183400.5	3.3	B31.12-IP-19
45(OCC)		5611.6	183400.5	3.1		5524.6	183400.5	3.0	B31.12-IP-19
46(OCC)		5469.9	183400.5	3.0		4963.6	183400.5	2.7	B31.12-IP-19
47(OCC)		7138.3	183400.5	3.9		6727.8	183400.5	3.7	B31.12-IP-19
48(OCC)		7223.6	183400.5	3.9		6987.0	183400.5	3.8	B31.12-IP-19
49(OCC)		6135.4	183400.5	3.3		7278.5	183400.5	4.0	B31.12-IP-19
50(OCC)		7015.4	183400.5	3.8		6456.2	183400.5	3.5	B31.12-IP-19
51(OCC)		7305.0	183400.5	4.0		6860.4	183400.5	3.7	B31.12-IP-19
52(OCC)		7025.4	183400.5	3.8		6923.1	183400.5	3.8	B31.12-IP-19
53(OCC)		6555.9	183400.5	3.6		6185.2	183400.5	3.4	B31.12-IP-19
54(OCC)		6115.2	183400.5	3.3		6513.9	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	8579	4965.4	137895.1	3.6	8580	8216.6	137895.1	6.0	B31.12-IP-19
4(Alt-SUS)		5152.8	137895.1	3.7		10421.5	137895.1	7.6	B31.12-IP-19
6(Alt-SUS)		4936.7	137895.1	3.6		8483.4	137895.1	6.2	B31.12-IP-19
8(Alt-SUS)		4935.3	137895.1	3.6		8485.6	137895.1	6.2	B31.12-IP-19
14(SUS)		4957.3	137895.1	3.6		8510.5	137895.1	6.2	B31.12-IP-19
24(EXP)		28849.2	339585.0	8.5		44551.3	334316.3	13.3	B31.12-IP-19
25(EXP)		5257.6	339585.0	1.5		5708.2	334316.3	1.7	B31.12-IP-19
26(EXP)		4066.8	339585.0	1.2		5364.5	334316.3	1.6	B31.12-IP-19
27(EXP)		13763.4	339585.0	4.1		18761.7	334316.3	5.6	B31.12-IP-19
28(EXP)		18990.5	339585.0	5.6		24387.1	334316.3	7.3	B31.12-IP-19
42(OCC)		5128.5	183400.5	2.8		8922.7	183400.5	4.9	B31.12-IP-19
43(OCC)		5342.8	183400.5	2.9		9318.6	183400.5	5.1	B31.12-IP-19
44(OCC)		6071.5	183400.5	3.3		10097.4	183400.5	5.5	B31.12-IP-19
45(OCC)		5524.6	183400.5	3.0		9328.0	183400.5	5.1	B31.12-IP-19
46(OCC)		4963.6	183400.5	2.7		8523.6	183400.5	4.6	B31.12-IP-19
47(OCC)		6727.8	183400.5	3.7		11188.9	183400.5	6.1	B31.12-IP-19
48(OCC)		6987.0	183400.5	3.8		11121.8	183400.5	6.1	B31.12-IP-19
49(OCC)		7278.5	183400.5	4.0		13577.6	183400.5	7.4	B31.12-IP-19
50(OCC)		6456.2	183400.5	3.5		11586.2	183400.5	6.3	B31.12-IP-19
51(OCC)		6860.4	183400.5	3.7		11201.0	183400.5	6.1	B31.12-IP-19
52(OCC)		6923.1	183400.5	3.8		11503.2	183400.5	6.3	B31.12-IP-19
53(OCC)		6185.2	183400.5	3.4		8778.7	183400.5	4.8	B31.12-IP-19
54(OCC)		6513.9	183400.5	3.6		12316.7	183400.5	6.7	B31.12-IP-19
2(Alt-SUS)	8580	5571.9	137895.1	4.0	8590	5987.3	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		6353.2	137895.1	4.6		7004.9	137895.1	5.1	B31.12-IP-19
6(Alt-SUS)		5656.9	137895.1	4.1		6097.2	137895.1	4.4	B31.12-IP-19
8(Alt-SUS)		5657.7	137895.1	4.1		6098.5	137895.1	4.4	B31.12-IP-19
14(SUS)		5666.4	137895.1	4.1		6107.2	137895.1	4.4	B31.12-IP-19
24(EXP)		16943.7	338384.7	5.0		18399.8	337733.0	5.4	B31.12-IP-19
25(EXP)		2993.7	338384.7	0.9		3103.6	337733.0	0.9	B31.12-IP-19
26(EXP)		2311.3	338384.7	0.7		2506.7	337733.0	0.7	B31.12-IP-19
27(EXP)		8116.3	338384.7	2.4		8781.9	337733.0	2.6	B31.12-IP-19
28(EXP)		11071.1	338384.7	3.3		11836.7	337733.0	3.5	B31.12-IP-19
42(OCC)		5901.7	183400.5	3.2		6389.1	183400.5	3.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		6035.7	183400.5	3.3		6534.5	183400.5	3.6	B31.12-IP-19
44(OCC)		6324.8	183400.5	3.4		6797.8	183400.5	3.7	B31.12-IP-19
45(OCC)		5996.4	183400.5	3.3		6439.2	183400.5	3.5	B31.12-IP-19
46(OCC)		5671.7	183400.5	3.1		6113.0	183400.5	3.3	B31.12-IP-19
47(OCC)		7009.9	183400.5	3.8		7632.7	183400.5	4.2	B31.12-IP-19
48(OCC)		7120.5	183400.5	3.9		7724.8	183400.5	4.2	B31.12-IP-19
49(OCC)		7621.1	183400.5	4.2		8343.9	183400.5	4.5	B31.12-IP-19
50(OCC)		6982.9	183400.5	3.8		7540.5	183400.5	4.1	B31.12-IP-19
51(OCC)		7153.4	183400.5	3.9		7756.5	183400.5	4.2	B31.12-IP-19
52(OCC)		7093.9	183400.5	3.9		7727.7	183400.5	4.2	B31.12-IP-19
53(OCC)		5835.2	183400.5	3.2		6450.6	183400.5	3.5	B31.12-IP-19
54(OCC)		7117.3	183400.5	3.9		7770.9	183400.5	4.2	B31.12-IP-19
2(Alt-SUS)	8590	5987.3	137895.1	4.3	8600	7340.2	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		7005.1	137895.1	5.1		6381.4	137895.1	4.6	B31.12-IP-19
6(Alt-SUS)		6097.3	137895.1	4.4		7175.2	137895.1	5.2	B31.12-IP-19
8(Alt-SUS)		6098.5	137895.1	4.4		7174.1	137895.1	5.2	B31.12-IP-19
14(SUS)		6113.8	137895.1	4.4		7172.6	137895.1	5.2	B31.12-IP-19
24(EXP)		18399.8	337732.8	5.4		17284.9	337397.7	5.1	B31.12-IP-19
25(EXP)		3103.6	337732.8	0.9		3012.4	337397.7	0.9	B31.12-IP-19
26(EXP)		2506.7	337732.8	0.7		2357.3	337397.7	0.7	B31.12-IP-19
27(EXP)		8781.9	337732.8	2.6		8300.1	337397.7	2.5	B31.12-IP-19
28(EXP)		11836.7	337732.8	3.5		11264.5	337397.7	3.3	B31.12-IP-19
42(OCC)		6402.7	183400.5	3.5		7364.1	183400.5	4.0	B31.12-IP-19
43(OCC)		6571.4	183400.5	3.6		7482.0	183400.5	4.1	B31.12-IP-19
44(OCC)		6799.6	183400.5	3.7		7810.9	183400.5	4.3	B31.12-IP-19
45(OCC)		6447.9	183400.5	3.5		7491.4	183400.5	4.1	B31.12-IP-19
46(OCC)		6119.7	183400.5	3.3		7177.0	183400.5	3.9	B31.12-IP-19
47(OCC)		7670.8	183400.5	4.2		10852.1	183400.5	5.9	B31.12-IP-19
48(OCC)		7777.5	183400.5	4.2		10611.1	183400.5	5.8	B31.12-IP-19
49(OCC)		8594.3	183400.5	4.7		8299.8	183400.5	4.5	B31.12-IP-19
50(OCC)		7801.5	183400.5	4.3		9430.0	183400.5	5.1	B31.12-IP-19
51(OCC)		8164.8	183400.5	4.5		11320.5	183400.5	6.2	B31.12-IP-19
52(OCC)		8268.4	183400.5	4.5		11131.1	183400.5	6.1	B31.12-IP-19
53(OCC)		6576.7	183400.5	3.6		9819.2	183400.5	5.4	B31.12-IP-19
54(OCC)		8034.6	183400.5	4.4		8598.0	183400.5	4.7	B31.12-IP-19
2(Alt-SUS)	8600	0.0	0.0	0.0	8610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8610	0.0	0.0	0.0	8620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8620	0.0	0.0	0.0	8630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8630	58692.3	137895.1	42.6	8640	72158.2	137895.1	52.3	B31.12-IP-19
4(Alt-SUS)		58167.3	137895.1	42.2		71000.5	137895.1	51.5	B31.12-IP-19
6(Alt-SUS)		58460.5	137895.1	42.4		71526.1	137895.1	51.9	B31.12-IP-19
8(Alt-SUS)		58459.7	137895.1	42.4		71524.3	137895.1	51.9	B31.12-IP-19
14(SUS)		58465.8	137895.1	42.4		71533.8	137895.1	51.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		14648.4	286045.6	5.1		28798.1	272579.6	10.6	B31.12-IP-19
25(EXP)		3516.2	286045.6	1.2		8067.6	272579.6	3.0	B31.12-IP-19
26(EXP)		2407.8	286045.6	0.8		5552.1	272579.6	2.0	B31.12-IP-19
27(EXP)		8501.0	286045.6	3.0		19401.3	272579.6	7.1	B31.12-IP-19
28(EXP)		12010.9	286045.6	4.2		27453.6	272579.6	10.1	B31.12-IP-19
42(OCC)		58797.8	183400.5	32.1		72081.1	183400.5	39.3	B31.12-IP-19
43(OCC)		58762.7	183400.5	32.0		72037.1	183400.5	39.3	B31.12-IP-19
44(OCC)		58809.0	183400.5	32.1		72059.1	183400.5	39.3	B31.12-IP-19
45(OCC)		58682.0	183400.5	32.0		71981.3	183400.5	39.2	B31.12-IP-19
46(OCC)		58480.9	183400.5	31.9		71579.2	183400.5	39.0	B31.12-IP-19
47(OCC)		69972.7	183400.5	38.2		93622.5	183400.5	51.0	B31.12-IP-19
48(OCC)		67952.3	183400.5	37.1		87691.9	183400.5	47.8	B31.12-IP-19
49(OCC)		64687.4	183400.5	35.3		81246.6	183400.5	44.3	B31.12-IP-19
50(OCC)		67217.1	183400.5	36.7		89756.7	183400.5	48.9	B31.12-IP-19
51(OCC)		69661.0	183400.5	38.0		91117.0	183400.5	49.7	B31.12-IP-19
52(OCC)		69685.9	183400.5	38.0		92388.2	183400.5	50.4	B31.12-IP-19
53(OCC)		67493.2	183400.5	36.8		90206.0	183400.5	49.2	B31.12-IP-19
54(OCC)		65031.0	183400.5	35.5		82155.8	183400.5	44.8	B31.12-IP-19
2(Alt-SUS)	8560	6435.0	137895.1	4.7	8648	5316.0	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		9214.1	137895.1	6.7		6611.6	137895.1	4.8	B31.12-IP-19
6(Alt-SUS)		6595.2	137895.1	4.8		5354.7	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		6599.3	137895.1	4.8		5357.0	137895.1	3.9	B31.12-IP-19
14(SUS)		6599.9	137895.1	4.8		5357.8	137895.1	3.9	B31.12-IP-19
24(EXP)		31287.6	335523.8	9.3		12518.5	338126.3	3.7	B31.12-IP-19
25(EXP)		3221.0	335523.8	1.0		1709.5	338126.3	0.5	B31.12-IP-19
26(EXP)		3964.4	335523.8	1.2		1744.8	338126.3	0.5	B31.12-IP-19
27(EXP)		14397.8	335523.8	4.3		6165.5	338126.3	1.8	B31.12-IP-19
28(EXP)		17591.3	335523.8	5.2		7828.2	338126.3	2.3	B31.12-IP-19
42(OCC)		7277.9	183400.5	4.0		5563.4	183400.5	3.0	B31.12-IP-19
43(OCC)		7318.7	183400.5	4.0		5581.0	183400.5	3.0	B31.12-IP-19
44(OCC)		7373.9	183400.5	4.0		5731.7	183400.5	3.1	B31.12-IP-19
45(OCC)		7105.7	183400.5	3.9		5597.3	183400.5	3.1	B31.12-IP-19
46(OCC)		6605.3	183400.5	3.6		5359.3	183400.5	2.9	B31.12-IP-19
47(OCC)		7454.0	183400.5	4.1		5849.4	183400.5	3.2	B31.12-IP-19
48(OCC)		8345.6	183400.5	4.6		6179.3	183400.5	3.4	B31.12-IP-19
49(OCC)		9400.0	183400.5	5.1		6799.7	183400.5	3.7	B31.12-IP-19
50(OCC)		8260.7	183400.5	4.5		5918.7	183400.5	3.2	B31.12-IP-19
51(OCC)		8477.4	183400.5	4.6		6205.7	183400.5	3.4	B31.12-IP-19
52(OCC)		7635.0	183400.5	4.2		5865.9	183400.5	3.2	B31.12-IP-19
53(OCC)		7690.0	183400.5	4.2		5819.2	183400.5	3.2	B31.12-IP-19
54(OCC)		8880.7	183400.5	4.8		6264.6	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	8648	7084.2	137895.1	5.1	8649	6433.0	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		10035.2	137895.1	7.3		8463.3	137895.1	6.1	B31.12-IP-19
6(Alt-SUS)		7181.8	137895.1	5.2		6438.7	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		7187.3	137895.1	5.2		6443.4	137895.1	4.7	B31.12-IP-19
14(SUS)		7188.2	137895.1	5.2		6439.8	137895.1	4.7	B31.12-IP-19
24(EXP)		42432.8	334702.6	12.7		46987.0	336274.5	14.0	B31.12-IP-19
25(EXP)		5553.9	334702.6	1.7		7798.3	336274.5	2.3	B31.12-IP-19
26(EXP)		5979.4	334702.6	1.8		6992.9	336274.5	2.1	B31.12-IP-19
27(EXP)		20992.0	334702.6	6.3		24470.7	336274.5	7.3	B31.12-IP-19
28(EXP)		26497.5	334702.6	7.9		32241.0	336274.5	9.6	B31.12-IP-19
42(OCC)		7719.3	183400.5	4.2		6602.7	183400.5	3.6	B31.12-IP-19
43(OCC)		7758.9	183400.5	4.2		6663.3	183400.5	3.6	B31.12-IP-19
44(OCC)		8049.6	183400.5	4.4		7202.3	183400.5	3.9	B31.12-IP-19
45(OCC)		7592.5	183400.5	4.1		6863.2	183400.5	3.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		7191.7	183400.5	3.9		6441.1	183400.5	3.5	B31.12-IP-19
47(OCC)		8303.7	183400.5	4.5		7480.9	183400.5	4.1	B31.12-IP-19
48(OCC)		9227.7	183400.5	5.0		7842.3	183400.5	4.3	B31.12-IP-19
49(OCC)		10504.9	183400.5	5.7		9183.1	183400.5	5.0	B31.12-IP-19
50(OCC)		8411.1	183400.5	4.6		7229.9	183400.5	3.9	B31.12-IP-19
51(OCC)		9273.8	183400.5	5.1		7864.8	183400.5	4.3	B31.12-IP-19
52(OCC)		8315.7	183400.5	4.5		7462.0	183400.5	4.1	B31.12-IP-19
53(OCC)		8256.2	183400.5	4.5		6956.6	183400.5	3.8	B31.12-IP-19
54(OCC)		9245.4	183400.5	5.0		7956.5	183400.5	4.3	B31.12-IP-19
2(Alt-SUS)	8649	6433.0	137895.1	4.7	8650	4385.8	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		8463.3	137895.1	6.1		4729.9	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		6438.7	137895.1	4.7		4377.9	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		6443.4	137895.1	4.7		4378.0	137895.1	3.2	B31.12-IP-19
14(SUS)		6439.8	137895.1	4.7		4376.1	137895.1	3.2	B31.12-IP-19
24(EXP)		46987.0	336274.5	14.0		29502.5	340007.9	8.7	B31.12-IP-19
25(EXP)		7798.3	336274.5	2.3		6917.3	340007.9	2.0	B31.12-IP-19
26(EXP)		6992.9	336274.5	2.1		4718.7	340007.9	1.4	B31.12-IP-19
27(EXP)		24470.7	336274.5	7.3		16403.7	340007.9	4.8	B31.12-IP-19
28(EXP)		32241.0	336274.5	9.6		23268.5	340007.9	6.8	B31.12-IP-19
42(OCC)		6602.7	183400.5	3.6		4656.0	183400.5	2.5	B31.12-IP-19
43(OCC)		6663.3	183400.5	3.6		4578.4	183400.5	2.5	B31.12-IP-19
44(OCC)		7202.3	183400.5	3.9		4923.6	183400.5	2.7	B31.12-IP-19
45(OCC)		6863.2	183400.5	3.7		4540.1	183400.5	2.5	B31.12-IP-19
46(OCC)		6441.1	183400.5	3.5		4378.2	183400.5	2.4	B31.12-IP-19
47(OCC)		7480.9	183400.5	4.1		4702.6	183400.5	2.6	B31.12-IP-19
48(OCC)		7842.3	183400.5	4.3		4842.3	183400.5	2.6	B31.12-IP-19
49(OCC)		9183.1	183400.5	5.0		5997.5	183400.5	3.3	B31.12-IP-19
50(OCC)		7229.9	183400.5	3.9		4689.8	183400.5	2.6	B31.12-IP-19
51(OCC)		7864.8	183400.5	4.3		4897.2	183400.5	2.7	B31.12-IP-19
52(OCC)		7462.0	183400.5	4.1		4664.2	183400.5	2.5	B31.12-IP-19
53(OCC)		6956.6	183400.5	3.8		4935.3	183400.5	2.7	B31.12-IP-19
54(OCC)		7956.5	183400.5	4.3		4859.0	183400.5	2.6	B31.12-IP-19
2(Alt-SUS)	8650	4225.5	137895.1	3.1	8658	4672.0	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		4548.6	137895.1	3.3		5701.2	137895.1	4.1	B31.12-IP-19
6(Alt-SUS)		4220.0	137895.1	3.1		4660.9	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		4220.1	137895.1	3.1		4662.6	137895.1	3.4	B31.12-IP-19
14(SUS)		4220.2	137895.1	3.1		4664.2	137895.1	3.4	B31.12-IP-19
24(EXP)		13056.1	340189.2	3.8		11672.9	339036.7	3.4	B31.12-IP-19
25(EXP)		2127.0	340189.2	0.6		1834.9	339036.7	0.5	B31.12-IP-19
26(EXP)		1816.5	340189.2	0.5		1575.5	339036.7	0.5	B31.12-IP-19
27(EXP)		6324.2	340189.2	1.9		5425.1	339036.7	1.6	B31.12-IP-19
28(EXP)		8354.4	340189.2	2.5		7056.6	339036.7	2.1	B31.12-IP-19
42(OCC)		4368.2	183400.5	2.4		4828.9	183400.5	2.6	B31.12-IP-19
43(OCC)		4333.3	183400.5	2.4		4757.4	183400.5	2.6	B31.12-IP-19
44(OCC)		4583.1	183400.5	2.5		5021.7	183400.5	2.7	B31.12-IP-19
45(OCC)		4312.7	183400.5	2.4		4751.0	183400.5	2.6	B31.12-IP-19
46(OCC)		4221.3	183400.5	2.3		4665.8	183400.5	2.5	B31.12-IP-19
47(OCC)		4500.2	183400.5	2.5		5141.1	183400.5	2.8	B31.12-IP-19
48(OCC)		4574.2	183400.5	2.5		5075.5	183400.5	2.8	B31.12-IP-19
49(OCC)		5330.3	183400.5	2.9		5730.9	183400.5	3.1	B31.12-IP-19
50(OCC)		4423.4	183400.5	2.4		5088.6	183400.5	2.8	B31.12-IP-19
51(OCC)		4605.6	183400.5	2.5		5116.5	183400.5	2.8	B31.12-IP-19
52(OCC)		4493.2	183400.5	2.4		5126.5	183400.5	2.8	B31.12-IP-19
53(OCC)		4500.3	183400.5	2.5		5147.3	183400.5	2.8	B31.12-IP-19
54(OCC)		4677.3	183400.5	2.6		5268.0	183400.5	2.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	8658	5383.4	137895.1	3.9	8659	5539.8	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		7414.4	137895.1	5.4		7134.4	137895.1	5.2	B31.12-IP-19
6(Alt-SUS)		5358.3	137895.1	3.9		5487.3	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5361.9	137895.1	3.9		5493.2	137895.1	4.0	B31.12-IP-19
14(SUS)		5364.4	137895.1	3.9		5480.4	137895.1	4.0	B31.12-IP-19
24(EXP)		20750.1	337323.4	6.2		21458.6	337603.5	6.4	B31.12-IP-19
25(EXP)		5356.3	337323.4	1.6		4365.2	337603.5	1.3	B31.12-IP-19
26(EXP)		3468.4	337323.4	1.0		3312.6	337603.5	1.0	B31.12-IP-19
27(EXP)		11626.9	337323.4	3.4		10724.8	337603.5	3.2	B31.12-IP-19
28(EXP)		16615.0	337323.4	4.9		14755.2	337603.5	4.4	B31.12-IP-19
42(OCC)		5730.5	183400.5	3.1		5675.9	183400.5	3.1	B31.12-IP-19
43(OCC)		5534.6	183400.5	3.0		5681.1	183400.5	3.1	B31.12-IP-19
44(OCC)		5894.1	183400.5	3.2		6334.4	183400.5	3.5	B31.12-IP-19
45(OCC)		5534.9	183400.5	3.0		6111.7	183400.5	3.3	B31.12-IP-19
46(OCC)		5368.5	183400.5	2.9		5486.0	183400.5	3.0	B31.12-IP-19
47(OCC)		6265.8	183400.5	3.4		6538.7	183400.5	3.6	B31.12-IP-19
48(OCC)		6004.8	183400.5	3.3		6194.7	183400.5	3.4	B31.12-IP-19
49(OCC)		6840.2	183400.5	3.7		7191.3	183400.5	3.9	B31.12-IP-19
50(OCC)		6287.2	183400.5	3.4		6675.5	183400.5	3.6	B31.12-IP-19
51(OCC)		6118.6	183400.5	3.3		6255.4	183400.5	3.4	B31.12-IP-19
52(OCC)		6207.9	183400.5	3.4		6536.7	183400.5	3.6	B31.12-IP-19
53(OCC)		6517.4	183400.5	3.6		7351.5	183400.5	4.0	B31.12-IP-19
54(OCC)		6460.6	183400.5	3.5		7191.9	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	8659	5539.8	137895.1	4.0	8660	4771.5	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		7134.4	137895.1	5.2		5444.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5487.3	137895.1	4.0		4757.9	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		5493.2	137895.1	4.0		4763.6	137895.1	3.5	B31.12-IP-19
14(SUS)		5480.4	137895.1	4.0		4736.3	137895.1	3.4	B31.12-IP-19
24(EXP)		21458.5	337603.5	6.4		12264.5	339293.3	3.6	B31.12-IP-19
25(EXP)		4365.2	337603.5	1.3		1025.7	339293.3	0.3	B31.12-IP-19
26(EXP)		3312.6	337603.5	1.0		1452.8	339293.3	0.4	B31.12-IP-19
27(EXP)		10724.8	337603.5	3.2		4251.7	339293.3	1.3	B31.12-IP-19
28(EXP)		14755.2	337603.5	4.4		4712.4	339293.3	1.4	B31.12-IP-19
42(OCC)		5675.9	183400.5	3.1		5167.1	183400.5	2.8	B31.12-IP-19
43(OCC)		5681.1	183400.5	3.1		5547.7	183400.5	3.0	B31.12-IP-19
44(OCC)		6334.4	183400.5	3.5		5890.0	183400.5	3.2	B31.12-IP-19
45(OCC)		6111.7	183400.5	3.3		5603.0	183400.5	3.1	B31.12-IP-19
46(OCC)		5486.0	183400.5	3.0		4742.6	183400.5	2.6	B31.12-IP-19
47(OCC)		6538.7	183400.5	3.6		5920.0	183400.5	3.2	B31.12-IP-19
48(OCC)		6194.7	183400.5	3.4		5633.3	183400.5	3.1	B31.12-IP-19
49(OCC)		7191.3	183400.5	3.9		7028.9	183400.5	3.8	B31.12-IP-19
50(OCC)		6675.5	183400.5	3.6		5963.1	183400.5	3.3	B31.12-IP-19
51(OCC)		6255.4	183400.5	3.4		5399.6	183400.5	2.9	B31.12-IP-19
52(OCC)		6536.7	183400.5	3.6		6201.5	183400.5	3.4	B31.12-IP-19
53(OCC)		7351.5	183400.5	4.0		6818.9	183400.5	3.7	B31.12-IP-19
54(OCC)		7191.9	183400.5	3.9		6916.3	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	8660	4504.4	137895.1	3.3	1110	5623.7	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5274.7	137895.1	3.8		7783.4	137895.1	5.6	B31.12-IP-19
6(Alt-SUS)		4491.9	137895.1	3.3		5595.5	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		4494.9	137895.1	3.3		5602.5	137895.1	4.1	B31.12-IP-19
14(SUS)		4484.3	137895.1	3.3		5589.3	137895.1	4.1	B31.12-IP-19
24(EXP)		6270.7	339463.1	1.8		13792.5	336954.5	4.1	B31.12-IP-19
25(EXP)		645.9	339463.1	0.2		2098.2	336954.5	0.6	B31.12-IP-19
26(EXP)		746.5	339463.1	0.2		2097.0	336954.5	0.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		2494.5	339463.1	0.7		7543.1	336954.5	2.2	B31.12-IP-19
28(EXP)		2133.0	339463.1	0.6		9227.0	336954.5	2.7	B31.12-IP-19
42(OCC)		4645.2	183400.5	2.5		6420.6	183400.5	3.5	B31.12-IP-19
43(OCC)		4780.2	183400.5	2.6		6587.3	183400.5	3.6	B31.12-IP-19
44(OCC)		4937.1	183400.5	2.7		6171.9	183400.5	3.4	B31.12-IP-19
45(OCC)		4828.5	183400.5	2.6		5945.4	183400.5	3.2	B31.12-IP-19
46(OCC)		4486.6	183400.5	2.4		5591.4	183400.5	3.0	B31.12-IP-19
47(OCC)		5324.5	183400.5	2.9		7218.6	183400.5	3.9	B31.12-IP-19
48(OCC)		5138.4	183400.5	2.8		6831.8	183400.5	3.7	B31.12-IP-19
49(OCC)		5656.7	183400.5	3.1		7302.9	183400.5	4.0	B31.12-IP-19
50(OCC)		5261.1	183400.5	2.9		6673.8	183400.5	3.6	B31.12-IP-19
51(OCC)		5110.8	183400.5	2.8		6710.3	183400.5	3.7	B31.12-IP-19
52(OCC)		5355.3	183400.5	2.9		7306.9	183400.5	4.0	B31.12-IP-19
53(OCC)		5459.1	183400.5	3.0		6795.1	183400.5	3.7	B31.12-IP-19
54(OCC)		5538.3	183400.5	3.0		6886.6	183400.5	3.8	B31.12-IP-19
2(Alt-SUS)	8640	70770.3	137895.1	51.3	8690	52196.5	137895.1	37.9	B31.12-IP-19
4(Alt-SUS)		69645.4	137895.1	50.5		51806.1	137895.1	37.6	B31.12-IP-19
6(Alt-SUS)		70167.0	137895.1	50.9		51939.0	137895.1	37.7	B31.12-IP-19
8(Alt-SUS)		70165.3	137895.1	50.9		51938.3	137895.1	37.7	B31.12-IP-19
14(SUS)		70173.8	137895.1	50.9		51946.9	137895.1	37.7	B31.12-IP-19
24(EXP)		34585.0	273967.5	12.6		8649.6	292541.3	3.0	B31.12-IP-19
25(EXP)		9935.9	273967.5	3.6		2388.7	292541.3	0.8	B31.12-IP-19
26(EXP)		6906.3	273967.5	2.5		1664.4	292541.3	0.6	B31.12-IP-19
27(EXP)		24380.2	273967.5	8.9		5882.9	292541.3	2.0	B31.12-IP-19
28(EXP)		34304.9	273967.5	12.5		8270.3	292541.3	2.8	B31.12-IP-19
42(OCC)		70729.5	183400.5	38.6		52155.1	183400.5	28.4	B31.12-IP-19
43(OCC)		70686.4	183400.5	38.5		52157.3	183400.5	28.4	B31.12-IP-19
44(OCC)		70397.7	183400.5	38.4		52070.2	183400.5	28.4	B31.12-IP-19
45(OCC)		70250.1	183400.5	38.3		52016.2	183400.5	28.4	B31.12-IP-19
46(OCC)		70218.0	183400.5	38.3		51967.0	183400.5	28.3	B31.12-IP-19
47(OCC)		91286.6	183400.5	49.8		57691.3	183400.5	31.5	B31.12-IP-19
48(OCC)		86240.2	183400.5	47.0		56631.8	183400.5	30.9	B31.12-IP-19
49(OCC)		85383.2	183400.5	46.6		57128.3	183400.5	31.1	B31.12-IP-19
50(OCC)		81963.5	183400.5	44.7		55790.0	183400.5	30.4	B31.12-IP-19
51(OCC)		86769.7	183400.5	47.3		57060.4	183400.5	31.1	B31.12-IP-19
52(OCC)		92045.4	183400.5	50.2		58390.3	183400.5	31.8	B31.12-IP-19
53(OCC)		82444.5	183400.5	45.0		55928.6	183400.5	30.5	B31.12-IP-19
54(OCC)		85492.4	183400.5	46.6		57244.6	183400.5	31.2	B31.12-IP-19
2(Alt-SUS)	8690	52196.5	137895.1	37.9	8700	40378.1	137895.1	29.3	B31.12-IP-19
4(Alt-SUS)		51806.1	137895.1	37.6		39566.8	137895.1	28.7	B31.12-IP-19
6(Alt-SUS)		51939.0	137895.1	37.7		39688.5	137895.1	28.8	B31.12-IP-19
8(Alt-SUS)		51938.3	137895.1	37.7		39686.8	137895.1	28.8	B31.12-IP-19
14(SUS)		51946.9	137895.1	37.7		39707.4	137895.1	28.8	B31.12-IP-19
24(EXP)		8649.6	292541.3	3.0		13633.0	304359.8	4.5	B31.12-IP-19
25(EXP)		2388.7	292541.3	0.8		3547.4	304359.8	1.2	B31.12-IP-19
26(EXP)		1664.4	292541.3	0.6		2477.1	304359.8	0.8	B31.12-IP-19
27(EXP)		5882.9	292541.3	2.0		8761.5	304359.8	2.9	B31.12-IP-19
28(EXP)		8270.3	292541.3	2.8		12308.4	304359.8	4.0	B31.12-IP-19
42(OCC)		52155.1	183400.5	28.4		40023.2	183400.5	21.8	B31.12-IP-19
43(OCC)		52157.3	183400.5	28.4		40029.9	183400.5	21.8	B31.12-IP-19
44(OCC)		52070.2	183400.5	28.4		39943.2	183400.5	21.8	B31.12-IP-19
45(OCC)		52016.2	183400.5	28.4		39852.1	183400.5	21.7	B31.12-IP-19
46(OCC)		51967.0	183400.5	28.3		39763.9	183400.5	21.7	B31.12-IP-19
47(OCC)		57691.3	183400.5	31.5		46922.8	183400.5	25.6	B31.12-IP-19
48(OCC)		56631.8	183400.5	30.9		45456.0	183400.5	24.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		57128.3	183400.5	31.1		46273.8	183400.5	25.2	B31.12-IP-19
50(OCC)		55790.0	183400.5	30.4		44185.9	183400.5	24.1	B31.12-IP-19
51(OCC)		57060.4	183400.5	31.1		45927.0	183400.5	25.0	B31.12-IP-19
52(OCC)		58390.3	183400.5	31.8		47944.4	183400.5	26.1	B31.12-IP-19
53(OCC)		55928.6	183400.5	30.5		44448.9	183400.5	24.2	B31.12-IP-19
54(OCC)		57244.6	183400.5	31.2		46578.1	183400.5	25.4	B31.12-IP-19
2(Alt-SUS)	8700	0.0	0.0	0.0	8710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8640	32105.5	137895.1	23.3	9120	26642.5	137895.1	19.3	B31.12-IP-19
4(Alt-SUS)		32899.6	137895.1	23.9		26377.7	137895.1	19.1	B31.12-IP-19
6(Alt-SUS)		32723.5	137895.1	23.7		26431.9	137895.1	19.2	B31.12-IP-19
8(Alt-SUS)		32727.0	137895.1	23.7		26430.5	137895.1	19.2	B31.12-IP-19
14(SUS)		32704.0	137895.1	23.7		26438.8	137895.1	19.2	B31.12-IP-19
24(EXP)		122389.4	311838.2	39.2		34594.8	318095.3	10.9	B31.12-IP-19
25(EXP)		27608.5	311838.2	8.9		7921.0	318095.3	2.5	B31.12-IP-19
26(EXP)		19167.6	311838.2	6.1		5534.8	318095.3	1.7	B31.12-IP-19
27(EXP)		68259.6	311838.2	21.9		19725.0	318095.3	6.2	B31.12-IP-19
28(EXP)		95858.7	311838.2	30.7		27642.5	318095.3	8.7	B31.12-IP-19
42(OCC)		33533.4	183400.5	18.3		26857.1	183400.5	14.6	B31.12-IP-19
43(OCC)		33225.6	183400.5	18.1		26751.4	183400.5	14.6	B31.12-IP-19
44(OCC)		34439.8	183400.5	18.8		27321.1	183400.5	14.9	B31.12-IP-19
45(OCC)		33430.7	183400.5	18.2		27054.7	183400.5	14.8	B31.12-IP-19
46(OCC)		32725.6	183400.5	17.8		26446.5	183400.5	14.4	B31.12-IP-19
47(OCC)		45865.7	183400.5	25.0		30151.5	183400.5	16.4	B31.12-IP-19
48(OCC)		38973.2	183400.5	21.3		29708.6	183400.5	16.2	B31.12-IP-19
49(OCC)		44498.5	183400.5	24.3		34877.5	183400.5	19.0	B31.12-IP-19
50(OCC)		49233.2	183400.5	26.8		37431.0	183400.5	20.4	B31.12-IP-19
51(OCC)		43399.3	183400.5	23.7		31789.8	183400.5	17.3	B31.12-IP-19
52(OCC)		44349.3	183400.5	24.2		28168.6	183400.5	15.4	B31.12-IP-19
53(OCC)		44056.3	183400.5	24.0		36808.1	183400.5	20.1	B31.12-IP-19
54(OCC)		50681.7	183400.5	27.6		36070.4	183400.5	19.7	B31.12-IP-19
2(Alt-SUS)	9120	26642.5	137895.1	19.3	9130	25347.4	137895.1	18.4	B31.12-IP-19
4(Alt-SUS)		26377.7	137895.1	19.1		24785.2	137895.1	18.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		26431.9	137895.1	19.2		24904.9	137895.1	18.1	B31.12-IP-19
8(Alt-SUS)		26430.5	137895.1	19.2		24902.1	137895.1	18.1	B31.12-IP-19
14(SUS)		26438.8	137895.1	19.2		24919.2	137895.1	18.1	B31.12-IP-19
24(EXP)		34594.8	318095.3	10.9		74922.2	319390.4	23.5	B31.12-IP-19
25(EXP)		7921.0	318095.3	2.5		17353.5	319390.4	5.4	B31.12-IP-19
26(EXP)		5534.8	318095.3	1.7		12169.2	319390.4	3.8	B31.12-IP-19
27(EXP)		19725.0	318095.3	6.2		43332.0	319390.4	13.6	B31.12-IP-19
28(EXP)		27642.5	318095.3	8.7		60678.3	319390.4	19.0	B31.12-IP-19
42(OCC)		26857.1	183400.5	14.6		26055.1	183400.5	14.2	B31.12-IP-19
43(OCC)		26751.4	183400.5	14.6		25831.9	183400.5	14.1	B31.12-IP-19
44(OCC)		27321.1	183400.5	14.9		26982.9	183400.5	14.7	B31.12-IP-19
45(OCC)		27054.7	183400.5	14.8		26452.3	183400.5	14.4	B31.12-IP-19
46(OCC)		26446.5	183400.5	14.4		24934.7	183400.5	13.6	B31.12-IP-19
47(OCC)		30151.5	183400.5	16.4		34344.6	183400.5	18.7	B31.12-IP-19
48(OCC)		29708.6	183400.5	16.2		32197.2	183400.5	17.6	B31.12-IP-19
49(OCC)		34877.5	183400.5	19.0		45634.8	183400.5	24.9	B31.12-IP-19
50(OCC)		37431.0	183400.5	20.4		51037.9	183400.5	27.8	B31.12-IP-19
51(OCC)		31789.8	183400.5	17.3		36690.7	183400.5	20.0	B31.12-IP-19
52(OCC)		28168.6	183400.5	15.4		30695.9	183400.5	16.7	B31.12-IP-19
53(OCC)		36808.1	183400.5	20.1		51064.9	183400.5	27.8	B31.12-IP-19
54(OCC)		36070.4	183400.5	19.7		46488.4	183400.5	25.3	B31.12-IP-19
2(Alt-SUS)	9130	0.0	0.0	0.0	8420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	8230	0.0	0.0	0.0	9190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9190	43716.5	137895.1	31.7	9200	46276.1	137895.1	33.6	B31.12-IP-19
4(Alt-SUS)		43603.9	137895.1	31.6		46743.5	137895.1	33.9	B31.12-IP-19
6(Alt-SUS)		43888.3	137895.1	31.8		47054.9	137895.1	34.1	B31.12-IP-19
8(Alt-SUS)		43888.4	137895.1	31.8		47056.6	137895.1	34.1	B31.12-IP-19
14(SUS)		43894.7	137895.1	31.8		47051.4	137895.1	34.1	B31.12-IP-19
24(EXP)		12689.5	300843.2	4.2		12462.9	297681.3	4.2	B31.12-IP-19
25(EXP)		3404.2	300843.2	1.1		3510.9	297681.3	1.2	B31.12-IP-19
26(EXP)		2344.2	300843.2	0.8		2389.4	297681.3	0.8	B31.12-IP-19
27(EXP)		8208.1	300843.2	2.7		8286.1	297681.3	2.8	B31.12-IP-19
28(EXP)		11608.2	300843.2	3.9		11793.7	297681.3	4.0	B31.12-IP-19
42(OCC)		44268.1	183400.5	24.1		47478.5	183400.5	25.9	B31.12-IP-19
43(OCC)		44258.3	183400.5	24.1		47472.8	183400.5	25.9	B31.12-IP-19
44(OCC)		44169.0	183400.5	24.1		47377.7	183400.5	25.8	B31.12-IP-19
45(OCC)		44040.4	183400.5	24.0		47240.5	183400.5	25.8	B31.12-IP-19
46(OCC)		43917.7	183400.5	23.9		47124.8	183400.5	25.7	B31.12-IP-19
47(OCC)		54411.2	183400.5	29.7		60107.2	183400.5	32.8	B31.12-IP-19
48(OCC)		52579.2	183400.5	28.7		58250.3	183400.5	31.8	B31.12-IP-19
49(OCC)		53514.0	183400.5	29.2		57559.0	183400.5	31.4	B31.12-IP-19
50(OCC)		49935.8	183400.5	27.2		55523.7	183400.5	30.3	B31.12-IP-19
51(OCC)		54240.8	183400.5	29.6		59957.8	183400.5	32.7	B31.12-IP-19
52(OCC)		56155.8	183400.5	30.6		61762.0	183400.5	33.7	B31.12-IP-19
53(OCC)		50002.7	183400.5	27.3		55435.0	183400.5	30.2	B31.12-IP-19
54(OCC)		53552.4	183400.5	29.2		57415.8	183400.5	31.3	B31.12-IP-19
2(Alt-SUS)	9200	46276.1	137895.1	33.6	9210	41083.1	137895.1	29.8	B31.12-IP-19
4(Alt-SUS)		46743.0	137895.1	33.9		41615.7	137895.1	30.2	B31.12-IP-19
6(Alt-SUS)		47054.8	137895.1	34.1		41827.4	137895.1	30.3	B31.12-IP-19
8(Alt-SUS)		47056.5	137895.1	34.1		41829.1	137895.1	30.3	B31.12-IP-19
14(SUS)		47048.0	137895.1	34.1		41822.7	137895.1	30.3	B31.12-IP-19
24(EXP)		12462.9	297681.3	4.2		9997.4	302908.7	3.3	B31.12-IP-19
25(EXP)		3510.9	297681.3	1.2		2616.7	302908.7	0.9	B31.12-IP-19
26(EXP)		2389.4	297681.3	0.8		1783.3	302908.7	0.6	B31.12-IP-19
27(EXP)		8286.1	297681.3	2.8		6183.7	302908.7	2.0	B31.12-IP-19
28(EXP)		11793.7	297681.3	4.0		8799.0	302908.7	2.9	B31.12-IP-19
42(OCC)		47444.8	183400.5	25.9		42093.6	183400.5	23.0	B31.12-IP-19
43(OCC)		47446.8	183400.5	25.9		42100.9	183400.5	23.0	B31.12-IP-19
44(OCC)		47370.5	183400.5	25.8		42112.4	183400.5	23.0	B31.12-IP-19
45(OCC)		47241.3	183400.5	25.8		42002.3	183400.5	22.9	B31.12-IP-19
46(OCC)		47118.3	183400.5	25.7		41889.2	183400.5	22.8	B31.12-IP-19
47(OCC)		60098.9	183400.5	32.8		50509.8	183400.5	27.5	B31.12-IP-19
48(OCC)		57951.2	183400.5	31.6		49007.1	183400.5	26.7	B31.12-IP-19
49(OCC)		57145.6	183400.5	31.2		49122.5	183400.5	26.8	B31.12-IP-19
50(OCC)		55952.3	183400.5	30.5		48322.8	183400.5	26.3	B31.12-IP-19
51(OCC)		59028.8	183400.5	32.2		49944.9	183400.5	27.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		60656.5	183400.5	33.1		51041.5	183400.5	27.8	B31.12-IP-19
53(OCC)		55984.1	183400.5	30.5		48307.5	183400.5	26.3	B31.12-IP-19
54(OCC)		57019.8	183400.5	31.1		49042.2	183400.5	26.7	B31.12-IP-19
2(Alt-SUS)	9210	0.0	0.0	0.0	9220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	9220	0.0	0.0	0.0	8710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	15490	0.0	0.0	0.0	15500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	15500	0.0	0.0	0.0	15510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	15510	0.0	0.0	0.0	15520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	15510	0.0	0.0	0.0	15530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	15530	0.0	0.0	0.0	15535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	15540	2306.0	137895.1	1.7	15550	2298.9	137895.1	1.7	B31.12-IP-19
4(Alt-SUS)		2144.0	137895.1	1.6		2153.3	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2149.8	137895.1	1.6		2158.9	137895.1	1.6	B31.12-IP-19
8(Alt-SUS)		2147.2	137895.1	1.6		2156.4	137895.1	1.6	B31.12-IP-19
14(SUS)		2139.5	137895.1	1.6		2148.2	137895.1	1.6	B31.12-IP-19
24(EXP)		6034.4	342431.8	1.8		5198.6	342438.9	1.5	B31.12-IP-19
25(EXP)		1675.0	342431.8	0.5		1440.0	342438.9	0.4	B31.12-IP-19
26(EXP)		1236.8	342431.8	0.4		1068.2	342438.9	0.3	B31.12-IP-19
27(EXP)		4277.3	342431.8	1.2		3687.8	342438.9	1.1	B31.12-IP-19
28(EXP)		5950.7	342431.8	1.7		5126.4	342438.9	1.5	B31.12-IP-19
42(OCC)		2251.5	183400.5	1.2		2238.1	183400.5	1.2	B31.12-IP-19
43(OCC)		2254.5	183400.5	1.2		2240.6	183400.5	1.2	B31.12-IP-19
44(OCC)		2316.8	183400.5	1.3		2295.0	183400.5	1.3	B31.12-IP-19
45(OCC)		2322.2	183400.5	1.3		2299.7	183400.5	1.3	B31.12-IP-19
46(OCC)		2144.9	183400.5	1.2		2152.5	183400.5	1.2	B31.12-IP-19
47(OCC)		3222.7	183400.5	1.8		3017.6	183400.5	1.6	B31.12-IP-19
48(OCC)		3272.5	183400.5	1.8		3063.0	183400.5	1.7	B31.12-IP-19
49(OCC)		2834.7	183400.5	1.5		2680.1	183400.5	1.5	B31.12-IP-19
50(OCC)		2964.8	183400.5	1.6		2799.0	183400.5	1.5	B31.12-IP-19
51(OCC)		3261.7	183400.5	1.8		3053.9	183400.5	1.7	B31.12-IP-19
52(OCC)		3271.4	183400.5	1.8		3059.3	183400.5	1.7	B31.12-IP-19
53(OCC)		2807.8	183400.5	1.5		2661.8	183400.5	1.5	B31.12-IP-19
54(OCC)		2871.9	183400.5	1.6		2710.2	183400.5	1.5	B31.12-IP-19
2(Alt-SUS)	15550	4019.5	137895.1	2.9	15560	3993.0	137895.1	2.9	B31.12-IP-19
4(Alt-SUS)		3749.5	137895.1	2.7		3763.4	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3760.0	137895.1	2.7		3772.8	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3755.3	137895.1	2.7		3768.7	137895.1	2.7	B31.12-IP-19
14(SUS)		3739.9	137895.1	2.7		3753.9	137895.1	2.7	B31.12-IP-19
24(EXP)		9671.5	340718.3	2.8		7743.9	340744.8	2.3	B31.12-IP-19
25(EXP)		2679.0	340718.3	0.8		2136.8	340744.8	0.6	B31.12-IP-19
26(EXP)		1987.2	340718.3	0.6		1598.4	340744.8	0.5	B31.12-IP-19
27(EXP)		6860.8	340718.3	2.0		5501.6	340744.8	1.6	B31.12-IP-19
28(EXP)		9537.2	340718.3	2.8		7636.4	340744.8	2.2	B31.12-IP-19
42(OCC)		3907.2	183400.5	2.1		3873.9	183400.5	2.1	B31.12-IP-19
43(OCC)		3911.8	183400.5	2.1		3877.0	183400.5	2.1	B31.12-IP-19
44(OCC)		4012.9	183400.5	2.2		3958.2	183400.5	2.2	B31.12-IP-19
45(OCC)		4021.7	183400.5	2.2		3965.4	183400.5	2.2	B31.12-IP-19
46(OCC)		3747.9	183400.5	2.0		3759.1	183400.5	2.0	B31.12-IP-19
47(OCC)		5355.8	183400.5	2.9		4906.4	183400.5	2.7	B31.12-IP-19
48(OCC)		5439.0	183400.5	3.0		4978.1	183400.5	2.7	B31.12-IP-19
49(OCC)		4727.6	183400.5	2.6		4399.8	183400.5	2.4	B31.12-IP-19
50(OCC)		4947.3	183400.5	2.7		4591.3	183400.5	2.5	B31.12-IP-19
51(OCC)		5422.2	183400.5	3.0		4966.2	183400.5	2.7	B31.12-IP-19
52(OCC)		5433.6	183400.5	3.0		4966.7	183400.5	2.7	B31.12-IP-19
53(OCC)		4693.2	183400.5	2.6		4386.9	183400.5	2.4	B31.12-IP-19
54(OCC)		4783.7	183400.5	2.6		4437.8	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	15560	0.0	0.0	0.0	15570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10020	0.0	0.0	0.0	10030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10030	34358.2	137895.1	24.9	10040	34354.7	137895.1	24.9	B31.12-IP-19
4(Alt-SUS)		34734.4	137895.1	25.2		34757.6	137895.1	25.2	B31.12-IP-19
6(Alt-SUS)		34360.0	137895.1	24.9		34352.4	137895.1	24.9	B31.12-IP-19
8(Alt-SUS)		34355.1	137895.1	24.9		34350.4	137895.1	24.9	B31.12-IP-19
14(SUS)		34356.9	137895.1	24.9		34348.8	137895.1	24.9	B31.12-IP-19
24(EXP)		49188.5	310003.4	15.9		43967.9	309980.3	14.2	B31.12-IP-19
25(EXP)		13575.4	310003.4	4.4		12147.4	309980.3	3.9	B31.12-IP-19
26(EXP)		9853.5	310003.4	3.2		8824.1	309980.3	2.8	B31.12-IP-19
27(EXP)		34268.1	310003.4	11.1		30666.1	309980.3	9.9	B31.12-IP-19
28(EXP)		47843.5	310003.4	15.4		42813.4	309980.3	13.8	B31.12-IP-19
42(OCC)		34884.5	183400.5	19.0		34729.7	183400.5	18.9	B31.12-IP-19
43(OCC)		34869.7	183400.5	19.0		34712.6	183400.5	18.9	B31.12-IP-19
44(OCC)		35324.8	183400.5	19.3		35080.8	183400.5	19.1	B31.12-IP-19
45(OCC)		35361.6	183400.5	19.3		35093.5	183400.5	19.1	B31.12-IP-19
46(OCC)		34372.5	183400.5	18.7		34373.6	183400.5	18.7	B31.12-IP-19
47(OCC)		40210.7	183400.5	21.9		38798.4	183400.5	21.2	B31.12-IP-19
48(OCC)		40411.6	183400.5	22.0		38914.8	183400.5	21.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		36950.9	183400.5	20.1		36116.4	183400.5	19.7	B31.12-IP-19
50(OCC)		38689.3	183400.5	21.1		37469.9	183400.5	20.4	B31.12-IP-19
51(OCC)		40257.0	183400.5	22.0		38850.3	183400.5	21.2	B31.12-IP-19
52(OCC)		40392.0	183400.5	22.0		38878.5	183400.5	21.2	B31.12-IP-19
53(OCC)		36879.3	183400.5	20.1		36050.0	183400.5	19.7	B31.12-IP-19
54(OCC)		37088.6	183400.5	20.2		36078.4	183400.5	19.7	B31.12-IP-19
2(Alt-SUS)	10040	0.0	0.0	0.0	10050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10050	0.0	0.0	0.0	10060	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10060	34551.8	137895.1	25.1	10068	34548.4	137895.1	25.1	B31.12-IP-19
4(Alt-SUS)		35010.3	137895.1	25.4		35042.3	137895.1	25.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		34542.0	137895.1	25.0		34534.4	137895.1	25.0	B31.12-IP-19
8(Alt-SUS)		34545.4	137895.1	25.1		34541.1	137895.1	25.0	B31.12-IP-19
14(SUS)		34542.2	137895.1	25.0		34542.9	137895.1	25.1	B31.12-IP-19
24(EXP)		42508.2	309727.5	13.7		46381.9	309695.6	15.0	B31.12-IP-19
25(EXP)		11848.3	309727.5	3.8		13001.7	309695.6	4.2	B31.12-IP-19
26(EXP)		8587.2	309727.5	2.8		9398.2	309695.6	3.0	B31.12-IP-19
27(EXP)		29869.3	309727.5	9.6		32738.6	309695.6	10.6	B31.12-IP-19
28(EXP)		41717.7	309727.5	13.5		45740.3	309695.6	14.8	B31.12-IP-19
42(OCC)		34722.6	183400.5	18.9		34661.8	183400.5	18.9	B31.12-IP-19
43(OCC)		34704.4	183400.5	18.9		34651.7	183400.5	18.9	B31.12-IP-19
44(OCC)		34902.9	183400.5	19.0		34722.9	183400.5	18.9	B31.12-IP-19
45(OCC)		34872.4	183400.5	19.0		34669.3	183400.5	18.9	B31.12-IP-19
46(OCC)		34588.5	183400.5	18.9		34601.6	183400.5	18.9	B31.12-IP-19
47(OCC)		37352.3	183400.5	20.4		37037.8	183400.5	20.2	B31.12-IP-19
48(OCC)		37250.3	183400.5	20.3		36903.3	183400.5	20.1	B31.12-IP-19
49(OCC)		35256.7	183400.5	19.2		35015.8	183400.5	19.1	B31.12-IP-19
50(OCC)		36097.6	183400.5	19.7		35848.8	183400.5	19.5	B31.12-IP-19
51(OCC)		37352.7	183400.5	20.4		37034.2	183400.5	20.2	B31.12-IP-19
52(OCC)		37301.5	183400.5	20.3		36941.6	183400.5	20.1	B31.12-IP-19
53(OCC)		35200.4	183400.5	19.2		34964.7	183400.5	19.1	B31.12-IP-19
54(OCC)		35000.6	183400.5	19.1		34693.3	183400.5	18.9	B31.12-IP-19
2(Alt-SUS)	10068	34592.4	137895.1	25.1	10069	34601.1	137895.1	25.1	B31.12-IP-19
4(Alt-SUS)		35531.5	137895.1	25.8		35452.0	137895.1	25.7	B31.12-IP-19
6(Alt-SUS)		34563.2	137895.1	25.1		34607.7	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34579.8	137895.1	25.1		34589.2	137895.1	25.1	B31.12-IP-19
14(SUS)		34581.1	137895.1	25.1		34669.8	137895.1	25.1	B31.12-IP-19
24(EXP)		79557.2	309206.3	25.7		65534.1	309285.9	21.2	B31.12-IP-19
25(EXP)		22373.4	309206.3	7.2		18367.4	309285.9	5.9	B31.12-IP-19
26(EXP)		16173.5	309206.3	5.2		13230.4	309285.9	4.3	B31.12-IP-19
27(EXP)		56229.5	309206.3	18.2		46066.5	309285.9	14.9	B31.12-IP-19
28(EXP)		78602.8	309206.3	25.4		64433.7	309285.9	20.8	B31.12-IP-19
42(OCC)		34716.1	183400.5	18.9		34774.9	183400.5	19.0	B31.12-IP-19
43(OCC)		34693.5	183400.5	18.9		34772.4	183400.5	19.0	B31.12-IP-19
44(OCC)		34938.7	183400.5	19.1		34780.6	183400.5	19.0	B31.12-IP-19
45(OCC)		34819.4	183400.5	19.0		34876.3	183400.5	19.0	B31.12-IP-19
46(OCC)		34689.8	183400.5	18.9		34779.6	183400.5	19.0	B31.12-IP-19
47(OCC)		37144.9	183400.5	20.3		37190.3	183400.5	20.3	B31.12-IP-19
48(OCC)		37022.0	183400.5	20.2		37140.4	183400.5	20.3	B31.12-IP-19
49(OCC)		35502.0	183400.5	19.4		35034.1	183400.5	19.1	B31.12-IP-19
50(OCC)		36641.0	183400.5	20.0		36420.5	183400.5	19.9	B31.12-IP-19
51(OCC)		37137.1	183400.5	20.2		37175.5	183400.5	20.3	B31.12-IP-19
52(OCC)		37032.3	183400.5	20.2		37162.6	183400.5	20.3	B31.12-IP-19
53(OCC)		35427.5	183400.5	19.3		35095.2	183400.5	19.1	B31.12-IP-19
54(OCC)		34792.6	183400.5	19.0		35509.5	183400.5	19.4	B31.12-IP-19
2(Alt-SUS)	10069	34601.1	137895.1	25.1	10070	34788.7	137895.1	25.2	B31.12-IP-19
4(Alt-SUS)		35452.0	137895.1	25.7		35063.0	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34607.7	137895.1	25.1		34769.9	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34589.2	137895.1	25.1		34765.3	137895.1	25.2	B31.12-IP-19
14(SUS)		34669.8	137895.1	25.1		34774.2	137895.1	25.2	B31.12-IP-19
24(EXP)		65534.1	309285.9	21.2		58246.5	309674.8	18.8	B31.12-IP-19
25(EXP)		18367.4	309285.9	5.9		16241.3	309674.8	5.2	B31.12-IP-19
26(EXP)		13230.4	309285.9	4.3		11735.8	309674.8	3.8	B31.12-IP-19
27(EXP)		46066.5	309285.9	14.9		40903.1	309674.8	13.2	B31.12-IP-19
28(EXP)		64433.7	309285.9	20.8		57144.3	309674.8	18.5	B31.12-IP-19
42(OCC)		34774.9	183400.5	19.0		34854.9	183400.5	19.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		34772.4	183400.5	19.0		34884.7	183400.5	19.0	B31.12-IP-19
44(OCC)		34780.6	183400.5	19.0		34952.4	183400.5	19.1	B31.12-IP-19
45(OCC)		34876.3	183400.5	19.0		35032.8	183400.5	19.1	B31.12-IP-19
46(OCC)		34779.6	183400.5	19.0		34826.0	183400.5	19.0	B31.12-IP-19
47(OCC)		37190.3	183400.5	20.3		36822.2	183400.5	20.1	B31.12-IP-19
48(OCC)		37140.4	183400.5	20.3		36693.8	183400.5	20.0	B31.12-IP-19
49(OCC)		35034.1	183400.5	19.1		34927.2	183400.5	19.0	B31.12-IP-19
50(OCC)		36420.5	183400.5	19.9		36875.5	183400.5	20.1	B31.12-IP-19
51(OCC)		37175.5	183400.5	20.3		36841.4	183400.5	20.1	B31.12-IP-19
52(OCC)		37162.6	183400.5	20.3		36744.7	183400.5	20.0	B31.12-IP-19
53(OCC)		35095.2	183400.5	19.1		35001.6	183400.5	19.1	B31.12-IP-19
54(OCC)		35509.5	183400.5	19.4		35480.2	183400.5	19.3	B31.12-IP-19
2(Alt-SUS)	10070	34657.2	137895.1	25.1	10078	34716.0	137895.1	25.2	B31.12-IP-19
4(Alt-SUS)		34796.2	137895.1	25.2		34596.4	137895.1	25.1	B31.12-IP-19
6(Alt-SUS)		34648.2	137895.1	25.1		34690.0	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34645.7	137895.1	25.1		34697.3	137895.1	25.2	B31.12-IP-19
14(SUS)		34650.7	137895.1	25.1		34661.5	137895.1	25.1	B31.12-IP-19
24(EXP)		41626.7	309941.6	13.4		37408.0	310021.8	12.1	B31.12-IP-19
25(EXP)		11751.1	309941.6	3.8		10640.9	310021.8	3.4	B31.12-IP-19
26(EXP)		8471.2	309941.6	2.7		7663.7	310021.8	2.5	B31.12-IP-19
27(EXP)		29582.0	309941.6	9.5		26784.4	310021.8	8.6	B31.12-IP-19
28(EXP)		41333.1	309941.6	13.3		37425.3	310021.8	12.1	B31.12-IP-19
42(OCC)		34720.4	183400.5	18.9		34725.3	183400.5	18.9	B31.12-IP-19
43(OCC)		34748.4	183400.5	18.9		34764.0	183400.5	19.0	B31.12-IP-19
44(OCC)		34771.2	183400.5	19.0		34794.4	183400.5	19.0	B31.12-IP-19
45(OCC)		34816.5	183400.5	19.0		34824.1	183400.5	19.0	B31.12-IP-19
46(OCC)		34680.1	183400.5	18.9		34681.9	183400.5	18.9	B31.12-IP-19
47(OCC)		36222.2	183400.5	19.8		35905.3	183400.5	19.6	B31.12-IP-19
48(OCC)		36222.3	183400.5	19.8		36044.4	183400.5	19.7	B31.12-IP-19
49(OCC)		34784.4	183400.5	19.0		34845.8	183400.5	19.0	B31.12-IP-19
50(OCC)		36249.3	183400.5	19.8		36776.8	183400.5	20.1	B31.12-IP-19
51(OCC)		36226.2	183400.5	19.8		35925.3	183400.5	19.6	B31.12-IP-19
52(OCC)		36254.8	183400.5	19.8		36044.4	183400.5	19.7	B31.12-IP-19
53(OCC)		34811.0	183400.5	19.0		34806.7	183400.5	19.0	B31.12-IP-19
54(OCC)		35108.4	183400.5	19.1		35062.4	183400.5	19.1	B31.12-IP-19
2(Alt-SUS)	10078	34844.2	137895.1	25.3	10079	34759.4	137895.1	25.2	B31.12-IP-19
4(Alt-SUS)		34643.6	137895.1	25.1		34831.2	137895.1	25.3	B31.12-IP-19
6(Alt-SUS)		34800.2	137895.1	25.2		34725.0	137895.1	25.2	B31.12-IP-19
8(Alt-SUS)		34812.7	137895.1	25.2		34740.2	137895.1	25.2	B31.12-IP-19
14(SUS)		34751.9	137895.1	25.2		34665.7	137895.1	25.1	B31.12-IP-19
24(EXP)		41202.9	309893.6	13.3		45810.6	309906.7	14.8	B31.12-IP-19
25(EXP)		11747.9	309893.6	3.8		12844.7	309906.7	4.1	B31.12-IP-19
26(EXP)		8487.3	309893.6	2.7		9240.8	309906.7	3.0	B31.12-IP-19
27(EXP)		29624.6	309893.6	9.6		32335.8	309906.7	10.4	B31.12-IP-19
28(EXP)		41372.5	309893.6	13.4		45180.4	309906.7	14.6	B31.12-IP-19
42(OCC)		34817.1	183400.5	19.0		34780.3	183400.5	19.0	B31.12-IP-19
43(OCC)		34871.8	183400.5	19.0		34788.5	183400.5	19.0	B31.12-IP-19
44(OCC)		34965.2	183400.5	19.1		34809.8	183400.5	19.0	B31.12-IP-19
45(OCC)		35013.6	183400.5	19.1		34838.4	183400.5	19.0	B31.12-IP-19
46(OCC)		34784.3	183400.5	19.0		34730.1	183400.5	18.9	B31.12-IP-19
47(OCC)		36018.8	183400.5	19.6		37228.9	183400.5	20.3	B31.12-IP-19
48(OCC)		36246.2	183400.5	19.8		37510.7	183400.5	20.5	B31.12-IP-19
49(OCC)		35014.5	183400.5	19.1		35028.0	183400.5	19.1	B31.12-IP-19
50(OCC)		37745.9	183400.5	20.6		37581.6	183400.5	20.5	B31.12-IP-19
51(OCC)		36082.2	183400.5	19.7		37173.6	183400.5	20.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		36218.4	183400.5	19.7		37603.5	183400.5	20.5	B31.12-IP-19
53(OCC)		34950.0	183400.5	19.1		34878.8	183400.5	19.0	B31.12-IP-19
54(OCC)		35345.2	183400.5	19.3		35218.3	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	10079	34759.4	137895.1	25.2	10080	34610.2	137895.1	25.1	B31.12-IP-19
4(Alt-SUS)		34831.2	137895.1	25.3		35088.1	137895.1	25.4	B31.12-IP-19
6(Alt-SUS)		34725.0	137895.1	25.2		34621.3	137895.1	25.1	B31.12-IP-19
8(Alt-SUS)		34740.2	137895.1	25.2		34607.9	137895.1	25.1	B31.12-IP-19
14(SUS)		34665.7	137895.1	25.1		34660.4	137895.1	25.1	B31.12-IP-19
24(EXP)		45810.6	309906.7	14.8		57272.2	309649.7	18.5	B31.12-IP-19
25(EXP)		12844.7	309906.7	4.1		16066.2	309649.7	5.2	B31.12-IP-19
26(EXP)		9240.8	309906.7	3.0		11612.6	309649.7	3.8	B31.12-IP-19
27(EXP)		32335.8	309906.7	10.4		40586.3	309649.7	13.1	B31.12-IP-19
28(EXP)		45180.4	309906.7	14.6		56652.5	309649.7	18.3	B31.12-IP-19
42(OCC)		34780.3	183400.5	19.0		34816.7	183400.5	19.0	B31.12-IP-19
43(OCC)		34788.5	183400.5	19.0		34809.4	183400.5	19.0	B31.12-IP-19
44(OCC)		34809.8	183400.5	19.0		34833.6	183400.5	19.0	B31.12-IP-19
45(OCC)		34838.4	183400.5	19.0		34836.4	183400.5	19.0	B31.12-IP-19
46(OCC)		34730.1	183400.5	18.9		34744.5	183400.5	18.9	B31.12-IP-19
47(OCC)		37228.9	183400.5	20.3		38019.0	183400.5	20.7	B31.12-IP-19
48(OCC)		37510.7	183400.5	20.5		37794.8	183400.5	20.6	B31.12-IP-19
49(OCC)		35028.0	183400.5	19.1		35021.9	183400.5	19.1	B31.12-IP-19
50(OCC)		37581.6	183400.5	20.5		37268.6	183400.5	20.3	B31.12-IP-19
51(OCC)		37173.6	183400.5	20.3		38075.2	183400.5	20.8	B31.12-IP-19
52(OCC)		37603.5	183400.5	20.5		37837.1	183400.5	20.6	B31.12-IP-19
53(OCC)		34878.8	183400.5	19.0		35058.8	183400.5	19.1	B31.12-IP-19
54(OCC)		35218.3	183400.5	19.2		35144.1	183400.5	19.2	B31.12-IP-19
2(Alt-SUS)	10080	34575.6	137895.1	25.1	10090	35386.4	137895.1	25.7	B31.12-IP-19
4(Alt-SUS)		34864.1	137895.1	25.3		37450.1	137895.1	27.2	B31.12-IP-19
6(Alt-SUS)		34582.1	137895.1	25.1		35504.6	137895.1	25.7	B31.12-IP-19
8(Alt-SUS)		34574.1	137895.1	25.1		35431.5	137895.1	25.7	B31.12-IP-19
14(SUS)		34606.2	137895.1	25.1		35739.7	137895.1	25.9	B31.12-IP-19
24(EXP)		30464.1	309873.8	9.8		54942.8	307287.7	17.9	B31.12-IP-19
25(EXP)		8775.6	309873.8	2.8		16295.9	307287.7	5.3	B31.12-IP-19
26(EXP)		6321.1	309873.8	2.0		11652.8	307287.7	3.8	B31.12-IP-19
27(EXP)		22101.1	309873.8	7.1		40618.2	307287.7	13.2	B31.12-IP-19
28(EXP)		30876.6	309873.8	10.0		56913.4	307287.7	18.5	B31.12-IP-19
42(OCC)		34698.4	183400.5	18.9		35942.9	183400.5	19.6	B31.12-IP-19
43(OCC)		34706.8	183400.5	18.9		35813.6	183400.5	19.5	B31.12-IP-19
44(OCC)		34697.8	183400.5	18.9		36150.9	183400.5	19.7	B31.12-IP-19
45(OCC)		34707.0	183400.5	18.9		36416.1	183400.5	19.9	B31.12-IP-19
46(OCC)		34673.1	183400.5	18.9		36003.4	183400.5	19.6	B31.12-IP-19
47(OCC)		36518.8	183400.5	19.9		37529.6	183400.5	20.5	B31.12-IP-19
48(OCC)		36492.2	183400.5	19.9		37522.7	183400.5	20.5	B31.12-IP-19
49(OCC)		34854.3	183400.5	19.0		36156.8	183400.5	19.7	B31.12-IP-19
50(OCC)		37183.8	183400.5	20.3		41440.1	183400.5	22.6	B31.12-IP-19
51(OCC)		36571.4	183400.5	19.9		37311.6	183400.5	20.3	B31.12-IP-19
52(OCC)		36474.6	183400.5	19.9		38231.7	183400.5	20.8	B31.12-IP-19
53(OCC)		34839.3	183400.5	19.0		36861.3	183400.5	20.1	B31.12-IP-19
54(OCC)		35014.3	183400.5	19.1		38557.7	183400.5	21.0	B31.12-IP-19
2(Alt-SUS)	10090	35394.4	137895.1	25.7	10100	39864.4	137895.1	28.9	B31.12-IP-19
4(Alt-SUS)		37453.7	137895.1	27.2		35615.4	137895.1	25.8	B31.12-IP-19
6(Alt-SUS)		35512.4	137895.1	25.8		39690.3	137895.1	28.8	B31.12-IP-19
8(Alt-SUS)		35440.1	137895.1	25.7		39829.4	137895.1	28.9	B31.12-IP-19
14(SUS)		35748.6	137895.1	25.9		39283.7	137895.1	28.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		54942.8	307284.1	17.9		136806.3	304873.4	44.9	B31.12-IP-19
25(EXP)		16295.9	307284.1	5.3		35866.5	304873.4	11.8	B31.12-IP-19
26(EXP)		11652.8	307284.1	3.8		25866.4	304873.4	8.5	B31.12-IP-19
27(EXP)		40618.2	307284.1	13.2		91045.2	304873.4	29.9	B31.12-IP-19
28(EXP)		56913.4	307284.1	18.5		126911.4	304873.4	41.6	B31.12-IP-19
42(OCC)		35960.0	183400.5	19.6		39388.2	183400.5	21.5	B31.12-IP-19
43(OCC)		35830.5	183400.5	19.5		39670.5	183400.5	21.6	B31.12-IP-19
44(OCC)		36171.7	183400.5	19.7		39919.9	183400.5	21.8	B31.12-IP-19
45(OCC)		36436.6	183400.5	19.9		39766.5	183400.5	21.7	B31.12-IP-19
46(OCC)		36014.8	183400.5	19.6		39786.9	183400.5	21.7	B31.12-IP-19
47(OCC)		37652.0	183400.5	20.5		40173.5	183400.5	21.9	B31.12-IP-19
48(OCC)		37659.3	183400.5	20.5		46226.2	183400.5	25.2	B31.12-IP-19
49(OCC)		36197.7	183400.5	19.7		44667.7	183400.5	24.4	B31.12-IP-19
50(OCC)		41498.0	183400.5	22.6		47821.6	183400.5	26.1	B31.12-IP-19
51(OCC)		37414.4	183400.5	20.4		44273.2	183400.5	24.1	B31.12-IP-19
52(OCC)		38384.6	183400.5	20.9		41066.6	183400.5	22.4	B31.12-IP-19
53(OCC)		36894.6	183400.5	20.1		41321.9	183400.5	22.5	B31.12-IP-19
54(OCC)		38601.7	183400.5	21.0		41815.8	183400.5	22.8	B31.12-IP-19
2(Alt-SUS)	10100	42004.9	137895.1	30.5	10108	36098.0	137895.1	26.2	B31.12-IP-19
4(Alt-SUS)		39520.0	137895.1	28.7		35290.9	137895.1	25.6	B31.12-IP-19
6(Alt-SUS)		41911.5	137895.1	30.4		36057.4	137895.1	26.1	B31.12-IP-19
8(Alt-SUS)		41986.8	137895.1	30.4		36082.6	137895.1	26.2	B31.12-IP-19
14(SUS)		41674.4	137895.1	30.2		35976.5	137895.1	26.1	B31.12-IP-19
24(EXP)		40817.8	302732.9	13.5		13469.5	308639.8	4.4	B31.12-IP-19
25(EXP)		10419.9	302732.9	3.4		3624.1	308639.8	1.2	B31.12-IP-19
26(EXP)		7489.3	302732.9	2.5		2574.6	308639.8	0.8	B31.12-IP-19
27(EXP)		26837.6	302732.9	8.9		9257.1	308639.8	3.0	B31.12-IP-19
28(EXP)		37257.3	302732.9	12.3		12880.3	308639.8	4.2	B31.12-IP-19
42(OCC)		41862.6	183400.5	22.8		36089.8	183400.5	19.7	B31.12-IP-19
43(OCC)		41887.9	183400.5	22.8		36126.2	183400.5	19.7	B31.12-IP-19
44(OCC)		42171.0	183400.5	23.0		36167.3	183400.5	19.7	B31.12-IP-19
45(OCC)		42078.5	183400.5	22.9		36048.0	183400.5	19.7	B31.12-IP-19
46(OCC)		41976.9	183400.5	22.9		36109.3	183400.5	19.7	B31.12-IP-19
47(OCC)		48476.2	183400.5	26.4		38798.1	183400.5	21.2	B31.12-IP-19
48(OCC)		44518.8	183400.5	24.3		38055.4	183400.5	20.7	B31.12-IP-19
49(OCC)		47359.7	183400.5	25.8		37783.0	183400.5	20.6	B31.12-IP-19
50(OCC)		51414.7	183400.5	28.0		41947.9	183400.5	22.9	B31.12-IP-19
51(OCC)		43324.0	183400.5	23.6		37844.0	183400.5	20.6	B31.12-IP-19
52(OCC)		47856.8	183400.5	26.1		38713.6	183400.5	21.1	B31.12-IP-19
53(OCC)		44649.2	183400.5	24.3		36346.9	183400.5	19.8	B31.12-IP-19
54(OCC)		44851.3	183400.5	24.5		36487.9	183400.5	19.9	B31.12-IP-19
2(Alt-SUS)	10108	37164.7	137895.1	27.0	10109	36022.0	137895.1	26.1	B31.12-IP-19
4(Alt-SUS)		35812.9	137895.1	26.0		36890.3	137895.1	26.8	B31.12-IP-19
6(Alt-SUS)		37095.0	137895.1	26.9		35986.7	137895.1	26.1	B31.12-IP-19
8(Alt-SUS)		37137.3	137895.1	26.9		35972.4	137895.1	26.1	B31.12-IP-19
14(SUS)		36958.1	137895.1	26.8		36015.9	137895.1	26.1	B31.12-IP-19
24(EXP)		32711.9	307573.2	10.6		27088.2	307847.5	8.8	B31.12-IP-19
25(EXP)		8498.0	307573.2	2.8		8139.8	307847.5	2.6	B31.12-IP-19
26(EXP)		6016.4	307573.2	2.0		5683.9	307847.5	1.8	B31.12-IP-19
27(EXP)		21505.9	307573.2	7.0		20327.8	307847.5	6.6	B31.12-IP-19
28(EXP)		30002.9	307573.2	9.8		28466.6	307847.5	9.2	B31.12-IP-19
42(OCC)		37093.4	183400.5	20.2		36173.0	183400.5	19.7	B31.12-IP-19
43(OCC)		37125.8	183400.5	20.2		36213.7	183400.5	19.7	B31.12-IP-19
44(OCC)		37254.7	183400.5	20.3		36490.8	183400.5	19.9	B31.12-IP-19
45(OCC)		37040.8	183400.5	20.2		36473.1	183400.5	19.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		37140.8	183400.5	20.3		36137.9	183400.5	19.7	B31.12-IP-19
47(OCC)		41469.8	183400.5	22.6		38668.1	183400.5	21.1	B31.12-IP-19
48(OCC)		39327.8	183400.5	21.4		39382.3	183400.5	21.5	B31.12-IP-19
49(OCC)		39583.6	183400.5	21.6		37203.3	183400.5	20.3	B31.12-IP-19
50(OCC)		43796.4	183400.5	23.9		44061.8	183400.5	24.0	B31.12-IP-19
51(OCC)		39405.5	183400.5	21.5		39756.1	183400.5	21.7	B31.12-IP-19
52(OCC)		41245.9	183400.5	22.5		38240.9	183400.5	20.9	B31.12-IP-19
53(OCC)		37559.2	183400.5	20.5		38075.9	183400.5	20.8	B31.12-IP-19
54(OCC)		37742.1	183400.5	20.6		37635.5	183400.5	20.5	B31.12-IP-19
2(Alt-SUS)	10109	36022.0	137895.1	26.1	10110	39252.5	137895.1	28.5	B31.12-IP-19
4(Alt-SUS)		36890.3	137895.1	26.8		39133.2	137895.1	28.4	B31.12-IP-19
6(Alt-SUS)		35986.7	137895.1	26.1		39130.0	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		35972.4	137895.1	26.1		39151.7	137895.1	28.4	B31.12-IP-19
14(SUS)		36015.9	137895.1	26.1		39032.3	137895.1	28.3	B31.12-IP-19
24(EXP)		27088.3	307847.5	8.8		19873.8	305485.3	6.5	B31.12-IP-19
25(EXP)		8139.9	307847.5	2.6		4366.5	305485.3	1.4	B31.12-IP-19
26(EXP)		5683.9	307847.5	1.8		3047.1	305485.3	1.0	B31.12-IP-19
27(EXP)		20327.9	307847.5	6.6		10750.0	305485.3	3.5	B31.12-IP-19
28(EXP)		28466.8	307847.5	9.2		15116.5	305485.3	4.9	B31.12-IP-19
42(OCC)		36173.0	183400.5	19.7		39210.1	183400.5	21.4	B31.12-IP-19
43(OCC)		36213.7	183400.5	19.7		39218.4	183400.5	21.4	B31.12-IP-19
44(OCC)		36490.8	183400.5	19.9		39498.5	183400.5	21.5	B31.12-IP-19
45(OCC)		36473.1	183400.5	19.9		39537.1	183400.5	21.6	B31.12-IP-19
46(OCC)		36137.9	183400.5	19.7		39062.7	183400.5	21.3	B31.12-IP-19
47(OCC)		38668.1	183400.5	21.1		44527.1	183400.5	24.3	B31.12-IP-19
48(OCC)		39382.3	183400.5	21.5		44065.8	183400.5	24.0	B31.12-IP-19
49(OCC)		37203.3	183400.5	20.3		41255.4	183400.5	22.5	B31.12-IP-19
50(OCC)		44061.9	183400.5	24.0		51256.3	183400.5	27.9	B31.12-IP-19
51(OCC)		39756.1	183400.5	21.7		44636.7	183400.5	24.3	B31.12-IP-19
52(OCC)		38240.9	183400.5	20.9		43837.4	183400.5	23.9	B31.12-IP-19
53(OCC)		38075.9	183400.5	20.8		42445.8	183400.5	23.1	B31.12-IP-19
54(OCC)		37635.5	183400.5	20.5		41565.9	183400.5	22.7	B31.12-IP-19
2(Alt-SUS)	10110	37368.6	137895.1	27.1	10120	37543.6	137895.1	27.2	B31.12-IP-19
4(Alt-SUS)		37297.0	137895.1	27.0		37432.2	137895.1	27.1	B31.12-IP-19
6(Alt-SUS)		37297.7	137895.1	27.0		37472.0	137895.1	27.2	B31.12-IP-19
8(Alt-SUS)		37310.4	137895.1	27.1		37485.8	137895.1	27.2	B31.12-IP-19
14(SUS)		37240.6	137895.1	27.0		37411.4	137895.1	27.1	B31.12-IP-19
24(EXP)		8753.6	307369.2	2.8		8864.0	307194.3	2.9	B31.12-IP-19
25(EXP)		1740.7	307369.2	0.6		1707.9	307194.3	0.6	B31.12-IP-19
26(EXP)		1220.8	307369.2	0.4		1204.9	307194.3	0.4	B31.12-IP-19
27(EXP)		4283.0	307369.2	1.4		4209.4	307194.3	1.4	B31.12-IP-19
28(EXP)		6023.7	307369.2	2.0		5917.3	307194.3	1.9	B31.12-IP-19
42(OCC)		37349.4	183400.5	20.4		37519.6	183400.5	20.5	B31.12-IP-19
43(OCC)		37348.4	183400.5	20.4		37517.7	183400.5	20.5	B31.12-IP-19
44(OCC)		37523.1	183400.5	20.5		37689.5	183400.5	20.6	B31.12-IP-19
45(OCC)		37531.3	183400.5	20.5		37697.7	183400.5	20.6	B31.12-IP-19
46(OCC)		37257.4	183400.5	20.3		37428.1	183400.5	20.4	B31.12-IP-19
47(OCC)		40311.5	183400.5	22.0		40584.8	183400.5	22.1	B31.12-IP-19
48(OCC)		41012.2	183400.5	22.4		41252.3	183400.5	22.5	B31.12-IP-19
49(OCC)		38692.4	183400.5	21.1		38935.9	183400.5	21.2	B31.12-IP-19
50(OCC)		44688.0	183400.5	24.4		44911.3	183400.5	24.5	B31.12-IP-19
51(OCC)		41125.3	183400.5	22.4		41362.6	183400.5	22.6	B31.12-IP-19
52(OCC)		40023.4	183400.5	21.8		40289.7	183400.5	22.0	B31.12-IP-19
53(OCC)		39556.7	183400.5	21.6		39784.6	183400.5	21.7	B31.12-IP-19
54(OCC)		38883.9	183400.5	21.2		39085.2	183400.5	21.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	10120	0.0	0.0	0.0	10130	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10130	0.0	0.0	0.0	10140	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10140	0.0	0.0	0.0	10150	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10150	39033.6	137895.1	28.3	10160	41230.9	137895.1	29.9	B31.12-IP-19
4(Alt-SUS)		42819.1	137895.1	31.1		45278.3	137895.1	32.8	B31.12-IP-19
6(Alt-SUS)		39180.6	137895.1	28.4		41382.6	137895.1	30.0	B31.12-IP-19
8(Alt-SUS)		39058.6	137895.1	28.3		41252.9	137895.1	29.9	B31.12-IP-19
14(SUS)		39568.8	137895.1	28.7		41793.8	137895.1	30.3	B31.12-IP-19
24(EXP)		63685.8	301918.7	21.1		67996.1	299459.6	22.7	B31.12-IP-19
25(EXP)		17923.2	301918.7	5.9		19197.3	299459.6	6.4	B31.12-IP-19
26(EXP)		12940.1	301918.7	4.3		13855.2	299459.6	4.6	B31.12-IP-19
27(EXP)		45478.6	301918.7	15.1		48705.7	299459.6	16.3	B31.12-IP-19
28(EXP)		63400.1	301918.7	21.0		67901.2	299459.6	22.7	B31.12-IP-19
42(OCC)		40138.8	183400.5	21.9		42434.8	183400.5	23.1	B31.12-IP-19
43(OCC)		39918.7	183400.5	21.8		42208.4	183400.5	23.0	B31.12-IP-19
44(OCC)		39915.6	183400.5	21.8		42170.8	183400.5	23.0	B31.12-IP-19
45(OCC)		40168.4	183400.5	21.9		42436.6	183400.5	23.1	B31.12-IP-19
46(OCC)		40012.2	183400.5	21.8		42268.3	183400.5	23.0	B31.12-IP-19
47(OCC)		47240.8	183400.5	25.8		51608.4	183400.5	28.1	B31.12-IP-19
48(OCC)		46551.0	183400.5	25.4		50361.6	183400.5	27.5	B31.12-IP-19
49(OCC)		42608.6	183400.5	23.2		45817.2	183400.5	25.0	B31.12-IP-19
50(OCC)		43406.2	183400.5	23.7		45796.3	183400.5	25.0	B31.12-IP-19
51(OCC)		47425.5	183400.5	25.9		51569.1	183400.5	28.1	B31.12-IP-19
52(OCC)		47464.4	183400.5	25.9		51848.9	183400.5	28.3	B31.12-IP-19
53(OCC)		44408.6	183400.5	24.2		47787.5	183400.5	26.1	B31.12-IP-19
54(OCC)		46709.5	183400.5	25.5		50233.0	183400.5	27.4	B31.12-IP-19
2(Alt-SUS)	10160	41225.2	137895.1	29.9	10170	42583.4	137895.1	30.9	B31.12-IP-19
4(Alt-SUS)		45262.4	137895.1	32.8		49548.9	137895.1	35.9	B31.12-IP-19
6(Alt-SUS)		41371.4	137895.1	30.0		42832.3	137895.1	31.1	B31.12-IP-19
8(Alt-SUS)		41245.1	137895.1	29.9		42614.3	137895.1	30.9	B31.12-IP-19
14(SUS)		41772.2	137895.1	30.3		43521.3	137895.1	31.6	B31.12-IP-19
24(EXP)		67996.1	299475.4	22.7		124262.7	295188.9	42.1	B31.12-IP-19
25(EXP)		19197.3	299475.4	6.4		34431.9	295188.9	11.7	B31.12-IP-19
26(EXP)		13855.2	299475.4	4.6		25035.9	295188.9	8.5	B31.12-IP-19
27(EXP)		48705.7	299475.4	16.3		88121.5	295188.9	29.9	B31.12-IP-19
28(EXP)		67901.2	299475.4	22.7		122550.4	295188.9	41.5	B31.12-IP-19
42(OCC)		42482.9	183400.5	23.2		44500.1	183400.5	24.3	B31.12-IP-19
43(OCC)		42283.4	183400.5	23.1		44115.5	183400.5	24.1	B31.12-IP-19
44(OCC)		42221.1	183400.5	23.0		44146.6	183400.5	24.1	B31.12-IP-19
45(OCC)		42484.3	183400.5	23.2		44501.5	183400.5	24.3	B31.12-IP-19
46(OCC)		42246.5	183400.5	23.0		44335.9	183400.5	24.2	B31.12-IP-19
47(OCC)		51686.7	183400.5	28.2		56146.1	183400.5	30.6	B31.12-IP-19
48(OCC)		50820.2	183400.5	27.7		53307.4	183400.5	29.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		49609.1	183400.5	27.0		50005.2	183400.5	27.3	B31.12-IP-19
50(OCC)		47514.1	183400.5	25.9		51526.1	183400.5	28.1	B31.12-IP-19
51(OCC)		53439.7	183400.5	29.1		57587.6	183400.5	31.4	B31.12-IP-19
52(OCC)		54108.1	183400.5	29.5		58260.2	183400.5	31.8	B31.12-IP-19
53(OCC)		49668.8	183400.5	27.1		56055.0	183400.5	30.6	B31.12-IP-19
54(OCC)		54208.2	183400.5	29.6		56293.3	183400.5	30.7	B31.12-IP-19
2(Alt-SUS)	10170	42663.3	137895.1	30.9	10180	36418.7	137895.1	26.4	B31.12-IP-19
4(Alt-SUS)		49584.7	137895.1	36.0		38962.4	137895.1	28.3	B31.12-IP-19
6(Alt-SUS)		42907.4	137895.1	31.1		36507.7	137895.1	26.5	B31.12-IP-19
8(Alt-SUS)		42691.9	137895.1	31.0		36430.4	137895.1	26.4	B31.12-IP-19
14(SUS)		43587.6	137895.1	31.6		36751.6	137895.1	26.7	B31.12-IP-19
24(EXP)		135944.8	295153.1	46.1		42162.5	305775.5	13.8	B31.12-IP-19
25(EXP)		37814.1	295153.1	12.8		11706.5	305775.5	3.8	B31.12-IP-19
26(EXP)		27403.5	295153.1	9.3		8455.4	305775.5	2.8	B31.12-IP-19
27(EXP)		96469.6	295153.1	32.7		29756.3	305775.5	9.7	B31.12-IP-19
28(EXP)		134280.6	295153.1	45.5		41461.8	305775.5	13.6	B31.12-IP-19
42(OCC)		44550.3	183400.5	24.3		37179.2	183400.5	20.3	B31.12-IP-19
43(OCC)		44175.0	183400.5	24.1		37034.3	183400.5	20.2	B31.12-IP-19
44(OCC)		44196.3	183400.5	24.1		37150.6	183400.5	20.3	B31.12-IP-19
45(OCC)		44487.6	183400.5	24.3		37170.1	183400.5	20.3	B31.12-IP-19
46(OCC)		44396.8	183400.5	24.2		37052.9	183400.5	20.2	B31.12-IP-19
47(OCC)		54420.8	183400.5	29.7		41201.0	183400.5	22.5	B31.12-IP-19
48(OCC)		53500.7	183400.5	29.2		42273.0	183400.5	23.0	B31.12-IP-19
49(OCC)		49822.9	183400.5	27.2		44188.5	183400.5	24.1	B31.12-IP-19
50(OCC)		50599.2	183400.5	27.6		42190.7	183400.5	23.0	B31.12-IP-19
51(OCC)		55476.0	183400.5	30.2		43101.9	183400.5	23.5	B31.12-IP-19
52(OCC)		58133.1	183400.5	31.7		43723.6	183400.5	23.8	B31.12-IP-19
53(OCC)		56327.9	183400.5	30.7		44329.6	183400.5	24.2	B31.12-IP-19
54(OCC)		55671.7	183400.5	30.4		42798.9	183400.5	23.3	B31.12-IP-19
2(Alt-SUS)	10180	0.0	0.0	0.0	10190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10190	0.0	0.0	0.0	10200	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10200	0.0	0.0	0.0	10210	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10210	0.0	0.0	0.0	10220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10200	0.0	0.0	0.0	10230	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10100	31229.5	137895.1	22.6	10240	29427.0	137895.1	21.3	B31.12-IP-19
4(Alt-SUS)		33300.7	137895.1	24.1		30499.6	137895.1	22.1	B31.12-IP-19
6(Alt-SUS)		31538.4	137895.1	22.9		29543.2	137895.1	21.4	B31.12-IP-19
8(Alt-SUS)		31439.6	137895.1	22.8		29498.3	137895.1	21.4	B31.12-IP-19
14(SUS)		31869.7	137895.1	23.1		29684.3	137895.1	21.5	B31.12-IP-19
24(EXP)		180957.0	311437.1	58.1		62109.4	314238.3	19.8	B31.12-IP-19
25(EXP)		53077.2	311437.1	17.0		17836.8	314238.3	5.7	B31.12-IP-19
26(EXP)		38262.5	311437.1	12.3		12882.4	314238.3	4.1	B31.12-IP-19
27(EXP)		134474.9	311437.1	43.2		45180.3	314238.3	14.4	B31.12-IP-19
28(EXP)		187551.9	311437.1	60.2		63017.0	314238.3	20.1	B31.12-IP-19
42(OCC)		32239.2	183400.5	17.6		29863.2	183400.5	16.3	B31.12-IP-19
43(OCC)		32700.1	183400.5	17.8		30091.4	183400.5	16.4	B31.12-IP-19
44(OCC)		32158.9	183400.5	17.5		29820.2	183400.5	16.3	B31.12-IP-19
45(OCC)		32137.0	183400.5	17.5		29888.9	183400.5	16.3	B31.12-IP-19
46(OCC)		32294.9	183400.5	17.6		29940.2	183400.5	16.3	B31.12-IP-19
47(OCC)		42612.4	183400.5	23.2		35770.0	183400.5	19.5	B31.12-IP-19
48(OCC)		41155.0	183400.5	22.4		34986.8	183400.5	19.1	B31.12-IP-19
49(OCC)		36022.7	183400.5	19.6		30935.6	183400.5	16.9	B31.12-IP-19
50(OCC)		61327.0	183400.5	33.4		41233.1	183400.5	22.5	B31.12-IP-19
51(OCC)		39573.5	183400.5	21.6		33985.4	183400.5	18.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		43119.5	183400.5	23.5		36037.3	183400.5	19.6	B31.12-IP-19
53(OCC)		35383.2	183400.5	19.3		31997.4	183400.5	17.4	B31.12-IP-19
54(OCC)		36167.2	183400.5	19.7		31880.9	183400.5	17.4	B31.12-IP-19
2(Alt-SUS)	10240	29427.0	137895.1	21.3	10250	19038.2	137895.1	13.8	B31.12-IP-19
4(Alt-SUS)		30499.6	137895.1	22.1		23231.7	137895.1	16.8	B31.12-IP-19
6(Alt-SUS)		29543.2	137895.1	21.4		19380.0	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		29498.3	137895.1	21.4		19225.1	137895.1	13.9	B31.12-IP-19
14(SUS)		29684.3	137895.1	21.5		19862.5	137895.1	14.4	B31.12-IP-19
24(EXP)		62109.4	314238.3	19.8		165396.3	321506.1	51.4	B31.12-IP-19
25(EXP)		17836.8	314238.3	5.7		47661.0	321506.1	14.8	B31.12-IP-19
26(EXP)		12882.4	314238.3	4.1		34475.6	321506.1	10.7	B31.12-IP-19
27(EXP)		45180.3	314238.3	14.4		120814.5	321506.1	37.6	B31.12-IP-19
28(EXP)		63017.0	314238.3	20.1		168474.9	321506.1	52.4	B31.12-IP-19
42(OCC)		29863.2	183400.5	16.3		20302.5	183400.5	11.1	B31.12-IP-19
43(OCC)		30091.4	183400.5	16.4		21002.2	183400.5	11.5	B31.12-IP-19
44(OCC)		29820.2	183400.5	16.3		20276.3	183400.5	11.1	B31.12-IP-19
45(OCC)		29888.9	183400.5	16.3		20525.2	183400.5	11.2	B31.12-IP-19
46(OCC)		29940.2	183400.5	16.3		20594.8	183400.5	11.2	B31.12-IP-19
47(OCC)		35770.0	183400.5	19.5		38419.2	183400.5	20.9	B31.12-IP-19
48(OCC)		34986.8	183400.5	19.1		34782.5	183400.5	19.0	B31.12-IP-19
49(OCC)		30935.6	183400.5	16.9		23017.7	183400.5	12.6	B31.12-IP-19
50(OCC)		41233.1	183400.5	22.5		47821.7	183400.5	26.1	B31.12-IP-19
51(OCC)		33985.4	183400.5	18.5		31848.6	183400.5	17.4	B31.12-IP-19
52(OCC)		36037.3	183400.5	19.6		39673.2	183400.5	21.6	B31.12-IP-19
53(OCC)		31997.4	183400.5	17.4		28262.8	183400.5	15.4	B31.12-IP-19
54(OCC)		31880.9	183400.5	17.4		27495.6	183400.5	15.0	B31.12-IP-19
2(Alt-SUS)	10250	0.0	0.0	0.0	10260	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10260	0.0	0.0	0.0	10270	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10270	0.0	0.0	0.0	10280	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10280	20891.3	137895.1	15.2	10290	31600.0	137895.1	22.9	B31.12-IP-19
4(Alt-SUS)		25322.9	137895.1	18.4		43076.2	137895.1	31.2	B31.12-IP-19
6(Alt-SUS)		21093.6	137895.1	15.3		32100.6	137895.1	23.3	B31.12-IP-19
8(Alt-SUS)		20961.1	137895.1	15.2		31763.5	137895.1	23.0	B31.12-IP-19
14(SUS)		21546.8	137895.1	15.6		33283.8	137895.1	24.1	B31.12-IP-19
24(EXP)		51471.7	319414.9	16.1		155716.4	301661.6	51.6	B31.12-IP-19
25(EXP)		14882.9	319414.9	4.7		43979.3	301661.6	14.6	B31.12-IP-19
26(EXP)		10805.7	319414.9	3.4		31578.7	301661.6	10.5	B31.12-IP-19
27(EXP)		36469.4	319414.9	11.4		107633.1	301661.6	35.7	B31.12-IP-19
28(EXP)		51350.3	319414.9	16.1		151611.7	301661.6	50.3	B31.12-IP-19
42(OCC)		22230.7	183400.5	12.1		35387.9	183400.5	19.3	B31.12-IP-19
43(OCC)		22423.7	183400.5	12.2		35780.1	183400.5	19.5	B31.12-IP-19
44(OCC)		22041.7	183400.5	12.0		34386.5	183400.5	18.7	B31.12-IP-19
45(OCC)		22326.4	183400.5	12.2		35090.4	183400.5	19.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		22276.1	183400.5	12.1		35009.2	183400.5	19.1	B31.12-IP-19
47(OCC)		24728.0	183400.5	13.5		40680.4	183400.5	22.2	B31.12-IP-19
48(OCC)		27341.1	183400.5	14.9		55972.5	183400.5	30.5	B31.12-IP-19
49(OCC)		27505.2	183400.5	15.0		43324.7	183400.5	23.6	B31.12-IP-19
50(OCC)		25456.9	183400.5	13.9		40273.2	183400.5	22.0	B31.12-IP-19
51(OCC)		30076.6	183400.5	16.4		63723.9	183400.5	34.7	B31.12-IP-19
52(OCC)		26785.0	183400.5	14.6		38380.7	183400.5	20.9	B31.12-IP-19
53(OCC)		30685.8	183400.5	16.7		52721.4	183400.5	28.7	B31.12-IP-19
54(OCC)		31067.5	183400.5	16.9		54447.6	183400.5	29.7	B31.12-IP-19
2(Alt-SUS)	10290	0.0	0.0	0.0	10300	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10300	0.0	0.0	0.0	10310	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	10310	0.0	0.0	0.0	10320	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10170	24380.3	137895.1	17.7	10330	21089.7	137895.1	15.3	B31.12-IP-19
4(Alt-SUS)		24786.6	137895.1	18.0		21269.8	137895.1	15.4	B31.12-IP-19
6(Alt-SUS)		24484.4	137895.1	17.8		21137.1	137895.1	15.3	B31.12-IP-19
8(Alt-SUS)		24444.2	137895.1	17.7		21118.8	137895.1	15.3	B31.12-IP-19
14(SUS)		24647.5	137895.1	17.9		21211.7	137895.1	15.4	B31.12-IP-19
24(EXP)		84629.5	319951.2	26.5		27915.9	323468.0	8.6	B31.12-IP-19
25(EXP)		23321.8	319951.2	7.3		7667.8	323468.0	2.4	B31.12-IP-19
26(EXP)		16734.7	319951.2	5.2		5501.6	323468.0	1.7	B31.12-IP-19
27(EXP)		58997.1	319951.2	18.4		19417.3	323468.0	6.0	B31.12-IP-19
28(EXP)		82318.7	319951.2	25.7		27085.0	323468.0	8.4	B31.12-IP-19
42(OCC)		25149.8	183400.5	13.7		21445.1	183400.5	11.7	B31.12-IP-19
43(OCC)		24914.5	183400.5	13.6		21339.7	183400.5	11.6	B31.12-IP-19
44(OCC)		25663.4	183400.5	14.0		21664.5	183400.5	11.8	B31.12-IP-19
45(OCC)		25449.6	183400.5	13.9		21559.0	183400.5	11.8	B31.12-IP-19
46(OCC)		24688.7	183400.5	13.5		21232.5	183400.5	11.6	B31.12-IP-19
47(OCC)		39004.6	183400.5	21.3		28041.0	183400.5	15.3	B31.12-IP-19
48(OCC)		32396.6	183400.5	17.7		25153.1	183400.5	13.7	B31.12-IP-19
49(OCC)		30207.9	183400.5	16.5		23625.5	183400.5	12.9	B31.12-IP-19
50(OCC)		31528.3	183400.5	17.2		24728.5	183400.5	13.5	B31.12-IP-19
51(OCC)		36186.8	183400.5	19.7		27173.1	183400.5	14.8	B31.12-IP-19
52(OCC)		38326.2	183400.5	20.9		27525.9	183400.5	15.0	B31.12-IP-19
53(OCC)		25939.5	183400.5	14.1		21857.6	183400.5	11.9	B31.12-IP-19
54(OCC)		34912.0	183400.5	19.0		26298.8	183400.5	14.3	B31.12-IP-19
2(Alt-SUS)	10330	21089.7	137895.1	15.3	10338	19526.5	137895.1	14.2	B31.12-IP-19
4(Alt-SUS)		21269.8	137895.1	15.4		19548.0	137895.1	14.2	B31.12-IP-19
6(Alt-SUS)		21137.1	137895.1	15.3		19523.0	137895.1	14.2	B31.12-IP-19
8(Alt-SUS)		21118.8	137895.1	15.3		19524.1	137895.1	14.2	B31.12-IP-19
14(SUS)		21211.7	137895.1	15.4		19518.1	137895.1	14.2	B31.12-IP-19
24(EXP)		27915.9	323468.0	8.6		43191.4	325189.8	13.3	B31.12-IP-19
25(EXP)		7667.8	323468.0	2.4		12085.1	325189.8	3.7	B31.12-IP-19
26(EXP)		5501.6	323468.0	1.7		8708.7	325189.8	2.7	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		19417.3	323468.0	6.0		30446.0	325189.8	9.4	B31.12-IP-19
28(EXP)		27085.0	323468.0	8.4		42531.1	325189.8	13.1	B31.12-IP-19
42(OCC)		21445.1	183400.5	11.7		19562.0	183400.5	10.7	B31.12-IP-19
43(OCC)		21339.7	183400.5	11.6		19557.9	183400.5	10.7	B31.12-IP-19
44(OCC)		21664.5	183400.5	11.8		19617.5	183400.5	10.7	B31.12-IP-19
45(OCC)		21559.0	183400.5	11.8		19597.8	183400.5	10.7	B31.12-IP-19
46(OCC)		21232.5	183400.5	11.6		19529.3	183400.5	10.6	B31.12-IP-19
47(OCC)		28041.0	183400.5	15.3		20588.0	183400.5	11.2	B31.12-IP-19
48(OCC)		25153.1	183400.5	13.7		21188.3	183400.5	11.6	B31.12-IP-19
49(OCC)		23625.5	183400.5	12.9		20253.4	183400.5	11.0	B31.12-IP-19
50(OCC)		24728.5	183400.5	13.5		20781.3	183400.5	11.3	B31.12-IP-19
51(OCC)		27173.1	183400.5	14.8		21202.8	183400.5	11.6	B31.12-IP-19
52(OCC)		27525.9	183400.5	15.0		20685.1	183400.5	11.3	B31.12-IP-19
53(OCC)		21857.6	183400.5	11.9		19983.1	183400.5	10.9	B31.12-IP-19
54(OCC)		26298.8	183400.5	14.3		21446.3	183400.5	11.7	B31.12-IP-19
2(Alt-SUS)	10338	19761.9	137895.1	14.3	10339	19959.3	137895.1	14.5	B31.12-IP-19
4(Alt-SUS)		19790.3	137895.1	14.4		19924.6	137895.1	14.4	B31.12-IP-19
6(Alt-SUS)		19757.1	137895.1	14.3		19954.6	137895.1	14.5	B31.12-IP-19
8(Alt-SUS)		19758.6	137895.1	14.3		19957.5	137895.1	14.5	B31.12-IP-19
14(SUS)		19750.2	137895.1	14.3		19943.7	137895.1	14.5	B31.12-IP-19
24(EXP)		92597.9	324947.5	28.5		80369.9	324778.5	24.7	B31.12-IP-19
25(EXP)		25912.2	324947.5	8.0		22450.8	324778.5	6.9	B31.12-IP-19
26(EXP)		18673.9	324947.5	5.7		16189.1	324778.5	5.0	B31.12-IP-19
27(EXP)		65281.2	324947.5	20.1		56597.5	324778.5	17.4	B31.12-IP-19
28(EXP)		91193.3	324947.5	28.1		79048.3	324778.5	24.3	B31.12-IP-19
42(OCC)		19804.7	183400.5	10.8		19975.5	183400.5	10.9	B31.12-IP-19
43(OCC)		19797.4	183400.5	10.8		19984.5	183400.5	10.9	B31.12-IP-19
44(OCC)		19860.5	183400.5	10.8		20071.5	183400.5	10.9	B31.12-IP-19
45(OCC)		19833.9	183400.5	10.8		20063.4	183400.5	10.9	B31.12-IP-19
46(OCC)		19762.7	183400.5	10.8		19955.1	183400.5	10.9	B31.12-IP-19
47(OCC)		21193.7	183400.5	11.6		22170.2	183400.5	12.1	B31.12-IP-19
48(OCC)		21807.7	183400.5	11.9		21583.3	183400.5	11.8	B31.12-IP-19
49(OCC)		20735.8	183400.5	11.3		21015.7	183400.5	11.5	B31.12-IP-19
50(OCC)		21524.9	183400.5	11.7		21986.0	183400.5	12.0	B31.12-IP-19
51(OCC)		22090.4	183400.5	12.0		23171.9	183400.5	12.6	B31.12-IP-19
52(OCC)		21185.1	183400.5	11.6		20747.7	183400.5	11.3	B31.12-IP-19
53(OCC)		20226.5	183400.5	11.0		20556.9	183400.5	11.2	B31.12-IP-19
54(OCC)		22646.8	183400.5	12.3		23241.6	183400.5	12.7	B31.12-IP-19
2(Alt-SUS)	10339	19959.3	137895.1	14.5	10340	19492.2	137895.1	14.1	B31.12-IP-19
4(Alt-SUS)		19924.6	137895.1	14.4		19413.5	137895.1	14.1	B31.12-IP-19
6(Alt-SUS)		19954.6	137895.1	14.5		19490.1	137895.1	14.1	B31.12-IP-19
8(Alt-SUS)		19957.5	137895.1	14.5		19492.9	137895.1	14.1	B31.12-IP-19
14(SUS)		19943.7	137895.1	14.5		19481.3	137895.1	14.1	B31.12-IP-19
24(EXP)		80369.9	324778.5	24.7		20911.0	325244.9	6.4	B31.12-IP-19
25(EXP)		22450.8	324778.5	6.9		5758.2	325244.9	1.8	B31.12-IP-19
26(EXP)		16189.1	324778.5	5.0		4168.4	325244.9	1.3	B31.12-IP-19
27(EXP)		56597.5	324778.5	17.4		14577.7	325244.9	4.5	B31.12-IP-19
28(EXP)		79048.3	324778.5	24.3		20335.9	325244.9	6.3	B31.12-IP-19
42(OCC)		19975.5	183400.5	10.9		19498.6	183400.5	10.6	B31.12-IP-19
43(OCC)		19984.5	183400.5	10.9		19513.7	183400.5	10.6	B31.12-IP-19
44(OCC)		20071.5	183400.5	10.9		19567.0	183400.5	10.7	B31.12-IP-19
45(OCC)		20063.4	183400.5	10.9		19569.1	183400.5	10.7	B31.12-IP-19
46(OCC)		19955.1	183400.5	10.9		19492.5	183400.5	10.6	B31.12-IP-19
47(OCC)		22170.2	183400.5	12.1		22566.7	183400.5	12.3	B31.12-IP-19
48(OCC)		21583.3	183400.5	11.8		21037.8	183400.5	11.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		21015.7	183400.5	11.5		20450.3	183400.5	11.2	B31.12-IP-19
50(OCC)		21986.0	183400.5	12.0		20991.1	183400.5	11.4	B31.12-IP-19
51(OCC)		23171.9	183400.5	12.6		23167.1	183400.5	12.6	B31.12-IP-19
52(OCC)		20747.7	183400.5	11.3		20821.8	183400.5	11.4	B31.12-IP-19
53(OCC)		20556.9	183400.5	11.2		20113.4	183400.5	11.0	B31.12-IP-19
54(OCC)		23241.6	183400.5	12.7		21863.0	183400.5	11.9	B31.12-IP-19
2(Alt-SUS)	10340	19332.2	137895.1	14.0	10345	19690.9	137895.1	14.3	B31.12-IP-19
4(Alt-SUS)		19274.1	137895.1	14.0		19678.1	137895.1	14.3	B31.12-IP-19
6(Alt-SUS)		19330.6	137895.1	14.0		19699.3	137895.1	14.3	B31.12-IP-19
8(Alt-SUS)		19332.7	137895.1	14.0		19697.5	137895.1	14.3	B31.12-IP-19
14(SUS)		19324.1	137895.1	14.0		19707.9	137895.1	14.3	B31.12-IP-19
24(EXP)		9817.8	325405.2	3.0		60689.6	325030.0	18.7	B31.12-IP-19
25(EXP)		2697.6	325405.2	0.8		17074.5	325030.0	5.3	B31.12-IP-19
26(EXP)		1952.3	325405.2	0.6		12289.9	325030.0	3.8	B31.12-IP-19
27(EXP)		6829.7	325405.2	2.1		42961.2	325030.0	13.2	B31.12-IP-19
28(EXP)		9527.3	325405.2	2.9		60035.7	325030.0	18.5	B31.12-IP-19
42(OCC)		19335.1	183400.5	10.5		19784.4	183400.5	10.8	B31.12-IP-19
43(OCC)		19348.1	183400.5	10.5		19787.4	183400.5	10.8	B31.12-IP-19
44(OCC)		19386.7	183400.5	10.6		19804.4	183400.5	10.8	B31.12-IP-19
45(OCC)		19390.1	183400.5	10.6		19797.0	183400.5	10.8	B31.12-IP-19
46(OCC)		19333.2	183400.5	10.5		19718.6	183400.5	10.8	B31.12-IP-19
47(OCC)		21315.1	183400.5	11.6		22537.0	183400.5	12.3	B31.12-IP-19
48(OCC)		20425.2	183400.5	11.1		22678.5	183400.5	12.4	B31.12-IP-19
49(OCC)		20234.5	183400.5	11.0		20699.3	183400.5	11.3	B31.12-IP-19
50(OCC)		20325.3	183400.5	11.1		19943.5	183400.5	10.9	B31.12-IP-19
51(OCC)		21730.0	183400.5	11.8		22263.0	183400.5	12.1	B31.12-IP-19
52(OCC)		20219.5	183400.5	11.0		22841.0	183400.5	12.5	B31.12-IP-19
53(OCC)		19805.0	183400.5	10.8		20186.9	183400.5	11.0	B31.12-IP-19
54(OCC)		21020.9	183400.5	11.5		20899.2	183400.5	11.4	B31.12-IP-19
2(Alt-SUS)	10345	19692.4	137895.1	14.3	10350	26637.9	137895.1	19.3	B31.12-IP-19
4(Alt-SUS)		19678.7	137895.1	14.3		26654.7	137895.1	19.3	B31.12-IP-19
6(Alt-SUS)		19700.7	137895.1	14.3		26623.9	137895.1	19.3	B31.12-IP-19
8(Alt-SUS)		19699.1	137895.1	14.3		26633.1	137895.1	19.3	B31.12-IP-19
14(SUS)		19708.0	137895.1	14.3		26584.7	137895.1	19.3	B31.12-IP-19
24(EXP)		60689.6	325029.8	18.7		44091.2	318083.2	13.9	B31.12-IP-19
25(EXP)		17074.5	325029.8	5.3		12041.0	318083.2	3.8	B31.12-IP-19
26(EXP)		12289.9	325029.8	3.8		8649.0	318083.2	2.7	B31.12-IP-19
27(EXP)		42961.2	325029.8	13.2		30261.8	318083.2	9.5	B31.12-IP-19
28(EXP)		60035.7	325029.8	18.5		42302.8	318083.2	13.3	B31.12-IP-19
42(OCC)		19830.7	183400.5	10.8		27076.4	183400.5	14.8	B31.12-IP-19
43(OCC)		19831.1	183400.5	10.8		27143.8	183400.5	14.8	B31.12-IP-19
44(OCC)		19846.0	183400.5	10.8		27248.8	183400.5	14.9	B31.12-IP-19
45(OCC)		19849.7	183400.5	10.8		27119.4	183400.5	14.8	B31.12-IP-19
46(OCC)		19719.1	183400.5	10.8		26593.5	183400.5	14.5	B31.12-IP-19
47(OCC)		22652.7	183400.5	12.4		33587.1	183400.5	18.3	B31.12-IP-19
48(OCC)		23485.9	183400.5	12.8		39208.6	183400.5	21.4	B31.12-IP-19
49(OCC)		21238.2	183400.5	11.6		27898.3	183400.5	15.2	B31.12-IP-19
50(OCC)		20155.0	183400.5	11.0		33956.5	183400.5	18.5	B31.12-IP-19
51(OCC)		22445.2	183400.5	12.2		38063.2	183400.5	20.8	B31.12-IP-19
52(OCC)		23345.4	183400.5	12.7		34296.2	183400.5	18.7	B31.12-IP-19
53(OCC)		20708.2	183400.5	11.3		34423.0	183400.5	18.8	B31.12-IP-19
54(OCC)		21102.2	183400.5	11.5		28007.2	183400.5	15.3	B31.12-IP-19
2(Alt-SUS)	10350	26637.9	137895.1	19.3	10358	19214.5	137895.1	13.9	B31.12-IP-19
4(Alt-SUS)		26654.7	137895.1	19.3		19231.3	137895.1	13.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		26623.9	137895.1	19.3		19212.7	137895.1	13.9	B31.12-IP-19
8(Alt-SUS)		26633.1	137895.1	19.3		19213.5	137895.1	13.9	B31.12-IP-19
14(SUS)		26585.1	137895.1	19.3		19208.8	137895.1	13.9	B31.12-IP-19
24(EXP)		44091.2	318083.1	13.9		6470.1	325506.6	2.0	B31.12-IP-19
25(EXP)		12041.0	318083.1	3.8		1861.0	325506.6	0.6	B31.12-IP-19
26(EXP)		8649.0	318083.1	2.7		1317.9	325506.6	0.4	B31.12-IP-19
27(EXP)		30261.8	318083.1	9.5		4520.8	325506.6	1.4	B31.12-IP-19
28(EXP)		42302.8	318083.1	13.3		6381.8	325506.6	2.0	B31.12-IP-19
42(OCC)		27035.0	183400.5	14.7		19257.8	183400.5	10.5	B31.12-IP-19
43(OCC)		27104.2	183400.5	14.8		19266.0	183400.5	10.5	B31.12-IP-19
44(OCC)		27228.4	183400.5	14.8		19412.3	183400.5	10.6	B31.12-IP-19
45(OCC)		27087.4	183400.5	14.8		19430.6	183400.5	10.6	B31.12-IP-19
46(OCC)		26593.7	183400.5	14.5		19214.7	183400.5	10.5	B31.12-IP-19
47(OCC)		33469.0	183400.5	18.2		20532.2	183400.5	11.2	B31.12-IP-19
48(OCC)		38563.7	183400.5	21.0		20328.9	183400.5	11.1	B31.12-IP-19
49(OCC)		27779.1	183400.5	15.1		23364.3	183400.5	12.7	B31.12-IP-19
50(OCC)		34116.3	183400.5	18.6		22697.5	183400.5	12.4	B31.12-IP-19
51(OCC)		37919.1	183400.5	20.7		21068.1	183400.5	11.5	B31.12-IP-19
52(OCC)		33953.4	183400.5	18.5		19963.2	183400.5	10.9	B31.12-IP-19
53(OCC)		34568.8	183400.5	18.8		23117.3	183400.5	12.6	B31.12-IP-19
54(OCC)		27938.5	183400.5	15.2		23141.7	183400.5	12.6	B31.12-IP-19
2(Alt-SUS)	10358	19333.9	137895.1	14.0	10359	23053.7	137895.1	16.7	B31.12-IP-19
4(Alt-SUS)		19355.8	137895.1	14.0		23042.4	137895.1	16.7	B31.12-IP-19
6(Alt-SUS)		19331.5	137895.1	14.0		23039.9	137895.1	16.7	B31.12-IP-19
8(Alt-SUS)		19332.5	137895.1	14.0		23048.0	137895.1	16.7	B31.12-IP-19
14(SUS)		19326.5	137895.1	14.0		23006.1	137895.1	16.7	B31.12-IP-19
24(EXP)		13581.7	325382.0	4.2		59234.7	321684.2	18.4	B31.12-IP-19
25(EXP)		3938.3	325382.0	1.2		16527.4	321684.2	5.1	B31.12-IP-19
26(EXP)		2792.4	325382.0	0.9		11850.7	321684.2	3.7	B31.12-IP-19
27(EXP)		9557.1	325382.0	2.9		41184.3	321684.2	12.8	B31.12-IP-19
28(EXP)		13495.3	325382.0	4.1		57711.7	321684.2	17.9	B31.12-IP-19
42(OCC)		19401.8	183400.5	10.6		23203.5	183400.5	12.7	B31.12-IP-19
43(OCC)		19410.9	183400.5	10.6		23297.1	183400.5	12.7	B31.12-IP-19
44(OCC)		19590.2	183400.5	10.7		23159.2	183400.5	12.6	B31.12-IP-19
45(OCC)		19613.7	183400.5	10.7		23119.1	183400.5	12.6	B31.12-IP-19
46(OCC)		19332.8	183400.5	10.5		23012.7	183400.5	12.5	B31.12-IP-19
47(OCC)		21284.5	183400.5	11.6		26374.7	183400.5	14.4	B31.12-IP-19
48(OCC)		20697.2	183400.5	11.3		31888.5	183400.5	17.4	B31.12-IP-19
49(OCC)		24687.8	183400.5	13.5		29198.9	183400.5	15.9	B31.12-IP-19
50(OCC)		23867.7	183400.5	13.0		25241.1	183400.5	13.8	B31.12-IP-19
51(OCC)		22031.3	183400.5	12.0		29867.7	183400.5	16.3	B31.12-IP-19
52(OCC)		20224.7	183400.5	11.0		28802.8	183400.5	15.7	B31.12-IP-19
53(OCC)		24430.6	183400.5	13.3		25064.7	183400.5	13.7	B31.12-IP-19
54(OCC)		24460.1	183400.5	13.3		29639.5	183400.5	16.2	B31.12-IP-19
2(Alt-SUS)	10359	23053.7	137895.1	16.7	10360	24698.1	137895.1	17.9	B31.12-IP-19
4(Alt-SUS)		23042.4	137895.1	16.7		24663.5	137895.1	17.9	B31.12-IP-19
6(Alt-SUS)		23039.9	137895.1	16.7		24679.4	137895.1	17.9	B31.12-IP-19
8(Alt-SUS)		23048.0	137895.1	16.7		24690.7	137895.1	17.9	B31.12-IP-19
14(SUS)		23006.1	137895.1	16.7		24632.5	137895.1	17.9	B31.12-IP-19
24(EXP)		59234.7	321684.2	18.4		77571.2	320039.7	24.2	B31.12-IP-19
25(EXP)		16527.4	321684.2	5.1		21471.8	320039.7	6.7	B31.12-IP-19
26(EXP)		11850.7	321684.2	3.7		15431.3	320039.7	4.8	B31.12-IP-19
27(EXP)		41184.3	321684.2	12.8		53870.1	320039.7	16.8	B31.12-IP-19
28(EXP)		57711.7	321684.2	17.9		75341.8	320039.7	23.5	B31.12-IP-19
42(OCC)		23203.5	183400.5	12.7		24901.1	183400.5	13.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		23297.1	183400.5	12.7		25055.1	183400.5	13.7	B31.12-IP-19
44(OCC)		23159.2	183400.5	12.6		25064.8	183400.5	13.7	B31.12-IP-19
45(OCC)		23119.1	183400.5	12.6		24946.6	183400.5	13.6	B31.12-IP-19
46(OCC)		23012.7	183400.5	12.5		24639.6	183400.5	13.4	B31.12-IP-19
47(OCC)		26374.7	183400.5	14.4		30581.8	183400.5	16.7	B31.12-IP-19
48(OCC)		31888.5	183400.5	17.4		37104.7	183400.5	20.2	B31.12-IP-19
49(OCC)		29198.9	183400.5	15.9		31385.2	183400.5	17.1	B31.12-IP-19
50(OCC)		25241.1	183400.5	13.8		29770.0	183400.5	16.2	B31.12-IP-19
51(OCC)		29867.7	183400.5	16.3		35883.0	183400.5	19.6	B31.12-IP-19
52(OCC)		28802.8	183400.5	15.7		31776.4	183400.5	17.3	B31.12-IP-19
53(OCC)		25064.7	183400.5	13.7		29209.9	183400.5	15.9	B31.12-IP-19
54(OCC)		29639.5	183400.5	16.2		32204.9	183400.5	17.6	B31.12-IP-19
2(Alt-SUS)	10360	23388.7	137895.1	17.0	10370	23627.2	137895.1	17.1	B31.12-IP-19
4(Alt-SUS)		23364.5	137895.1	16.9		23603.8	137895.1	17.1	B31.12-IP-19
6(Alt-SUS)		23373.9	137895.1	17.0		23611.9	137895.1	17.1	B31.12-IP-19
8(Alt-SUS)		23382.9	137895.1	17.0		23621.2	137895.1	17.1	B31.12-IP-19
14(SUS)		23336.4	137895.1	16.9		23573.2	137895.1	17.1	B31.12-IP-19
24(EXP)		37134.9	321349.2	11.6		37171.6	321110.7	11.6	B31.12-IP-19
25(EXP)		10190.3	321349.2	3.2		10190.6	321110.7	3.2	B31.12-IP-19
26(EXP)		7294.7	321349.2	2.3		7294.0	321110.7	2.3	B31.12-IP-19
27(EXP)		25558.1	321349.2	8.0		25568.5	321110.7	8.0	B31.12-IP-19
28(EXP)		35748.4	321349.2	11.1		35759.1	321110.7	11.1	B31.12-IP-19
42(OCC)		23519.5	183400.5	12.8		23755.2	183400.5	13.0	B31.12-IP-19
43(OCC)		23678.7	183400.5	12.9		23921.1	183400.5	13.0	B31.12-IP-19
44(OCC)		23662.2	183400.5	12.9		23914.2	183400.5	13.0	B31.12-IP-19
45(OCC)		23563.1	183400.5	12.8		23812.1	183400.5	13.0	B31.12-IP-19
46(OCC)		23342.6	183400.5	12.7		23579.3	183400.5	12.9	B31.12-IP-19
47(OCC)		27516.7	183400.5	15.0		27803.9	183400.5	15.2	B31.12-IP-19
48(OCC)		33618.0	183400.5	18.3		34033.7	183400.5	18.6	B31.12-IP-19
49(OCC)		29480.9	183400.5	16.1		29796.7	183400.5	16.2	B31.12-IP-19
50(OCC)		26864.2	183400.5	14.6		27260.9	183400.5	14.9	B31.12-IP-19
51(OCC)		32733.0	183400.5	17.8		33175.0	183400.5	18.1	B31.12-IP-19
52(OCC)		28409.8	183400.5	15.5		28641.1	183400.5	15.6	B31.12-IP-19
53(OCC)		26577.7	183400.5	14.5		27020.3	183400.5	14.7	B31.12-IP-19
54(OCC)		30070.0	183400.5	16.4		30366.9	183400.5	16.6	B31.12-IP-19
2(Alt-SUS)	10370	0.0	0.0	0.0	10380	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
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CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10380	0.0	0.0	0.0	10390	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10390	0.0	0.0	0.0	10400	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10400	0.0	0.0	0.0	10410	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
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CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10390	0.0	0.0	0.0	10420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10320	0.0	0.0	0.0	10430	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10430	32602.8	137895.1	23.6	10440	15550.8	137895.1	11.3	B31.12-IP-19
4(Alt-SUS)		19308.8	137895.1	14.0		11161.2	137895.1	8.1	B31.12-IP-19
6(Alt-SUS)		32091.9	137895.1	23.3		15385.8	137895.1	11.2	B31.12-IP-19
8(Alt-SUS)		32510.9	137895.1	23.6		15524.7	137895.1	11.3	B31.12-IP-19
14(SUS)		30748.8	137895.1	22.3		14946.6	137895.1	10.8	B31.12-IP-19
24(EXP)		44136.2	312135.0	14.1		2870.8	329187.1	0.9	B31.12-IP-19
25(EXP)		13730.8	312135.0	4.4		1600.1	329187.1	0.5	B31.12-IP-19
26(EXP)		9388.8	312135.0	3.0		993.5	329187.1	0.3	B31.12-IP-19
27(EXP)		31890.8	312135.0	10.2		3463.5	329187.1	1.1	B31.12-IP-19
28(EXP)		45614.7	312135.0	14.6		5040.9	329187.1	1.5	B31.12-IP-19
42(OCC)		32561.1	183400.5	17.8		15460.7	183400.5	8.4	B31.12-IP-19
43(OCC)		32247.9	183400.5	17.6		15334.0	183400.5	8.4	B31.12-IP-19
44(OCC)		31276.6	183400.5	17.1		15140.3	183400.5	8.3	B31.12-IP-19
45(OCC)		32403.7	183400.5	17.7		15499.8	183400.5	8.5	B31.12-IP-19
46(OCC)		34090.4	183400.5	18.6		16046.5	183400.5	8.7	B31.12-IP-19
47(OCC)		58458.5	183400.5	31.9		23510.9	183400.5	12.8	B31.12-IP-19
48(OCC)		42893.6	183400.5	23.4		22164.4	183400.5	12.1	B31.12-IP-19
49(OCC)		53137.4	183400.5	29.0		23626.6	183400.5	12.9	B31.12-IP-19
50(OCC)		57579.5	183400.5	31.4		24833.9	183400.5	13.5	B31.12-IP-19
51(OCC)		34591.5	183400.5	18.9		19494.2	183400.5	10.6	B31.12-IP-19
52(OCC)		52886.0	183400.5	28.8		21698.1	183400.5	11.8	B31.12-IP-19
53(OCC)		43707.5	183400.5	23.8		20476.2	183400.5	11.2	B31.12-IP-19
54(OCC)		39966.3	183400.5	21.8		19089.1	183400.5	10.4	B31.12-IP-19
2(Alt-SUS)	10440	15914.9	137895.1	11.5	10445	21158.5	137895.1	15.3	B31.12-IP-19
4(Alt-SUS)		11439.2	137895.1	8.3		15444.1	137895.1	11.2	B31.12-IP-19
6(Alt-SUS)		15746.9	137895.1	11.4		20946.6	137895.1	15.2	B31.12-IP-19
8(Alt-SUS)		15888.5	137895.1	11.5		21127.7	137895.1	15.3	B31.12-IP-19
14(SUS)		15299.4	137895.1	11.1		20378.2	137895.1	14.8	B31.12-IP-19
24(EXP)		2870.8	328822.9	0.9		4171.1	323579.3	1.3	B31.12-IP-19
25(EXP)		1600.1	328822.9	0.5		1755.9	323579.3	0.5	B31.12-IP-19
26(EXP)		993.5	328822.9	0.3		1221.8	323579.3	0.4	B31.12-IP-19
27(EXP)		3463.5	328822.9	1.1		4829.0	323579.3	1.5	B31.12-IP-19
28(EXP)		5040.9	328822.9	1.5		6547.1	323579.3	2.0	B31.12-IP-19
42(OCC)		15808.3	183400.5	8.6		20971.9	183400.5	11.4	B31.12-IP-19
43(OCC)		15688.2	183400.5	8.6		20805.5	183400.5	11.3	B31.12-IP-19
44(OCC)		15491.9	183400.5	8.4		20645.6	183400.5	11.3	B31.12-IP-19
45(OCC)		15842.7	183400.5	8.6		21079.0	183400.5	11.5	B31.12-IP-19
46(OCC)		16416.8	183400.5	9.0		21351.1	183400.5	11.6	B31.12-IP-19
47(OCC)		23733.9	183400.5	12.9		30917.5	183400.5	16.9	B31.12-IP-19
48(OCC)		22789.7	183400.5	12.4		31573.0	183400.5	17.2	B31.12-IP-19
49(OCC)		23781.5	183400.5	13.0		32077.9	183400.5	17.5	B31.12-IP-19
50(OCC)		24955.3	183400.5	13.6		33370.7	183400.5	18.2	B31.12-IP-19
51(OCC)		20070.2	183400.5	10.9		28138.3	183400.5	15.3	B31.12-IP-19
52(OCC)		21953.4	183400.5	12.0		28673.9	183400.5	15.6	B31.12-IP-19
53(OCC)		20698.1	183400.5	11.3		28184.8	183400.5	15.4	B31.12-IP-19
54(OCC)		19347.7	183400.5	10.5		26382.8	183400.5	14.4	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	10445	21315.1	137895.1	15.5	10451	3339.4	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		15512.9	137895.1	11.2		3955.3	137895.1	2.9	B31.12-IP-19
6(Alt-SUS)		21099.3	137895.1	15.3		3350.8	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		21283.4	137895.1	15.4		3346.8	137895.1	2.4	B31.12-IP-19
14(SUS)		20520.1	137895.1	14.9		3385.2	137895.1	2.5	B31.12-IP-19
24(EXP)		4171.1	323422.7	1.3		5590.3	340782.5	1.6	B31.12-IP-19
25(EXP)		1755.9	323422.7	0.5		1359.5	340782.5	0.4	B31.12-IP-19
26(EXP)		1221.8	323422.7	0.4		1005.6	340782.5	0.3	B31.12-IP-19
27(EXP)		4829.0	323422.7	1.5		3575.0	340782.5	1.0	B31.12-IP-19
28(EXP)		6547.1	323422.7	2.0		4934.2	340782.5	1.4	B31.12-IP-19
42(OCC)		21099.6	183400.5	11.5		3466.8	183400.5	1.9	B31.12-IP-19
43(OCC)		20944.1	183400.5	11.4		3551.1	183400.5	1.9	B31.12-IP-19
44(OCC)		20786.6	183400.5	11.3		3459.1	183400.5	1.9	B31.12-IP-19
45(OCC)		21231.5	183400.5	11.6		3494.9	183400.5	1.9	B31.12-IP-19
46(OCC)		20668.1	183400.5	11.3		3474.3	183400.5	1.9	B31.12-IP-19
47(OCC)		31038.3	183400.5	16.9		4344.8	183400.5	2.4	B31.12-IP-19
48(OCC)		31474.6	183400.5	17.2		3899.2	183400.5	2.1	B31.12-IP-19
49(OCC)		32329.9	183400.5	17.6		4158.9	183400.5	2.3	B31.12-IP-19
50(OCC)		33658.9	183400.5	18.4		4428.2	183400.5	2.4	B31.12-IP-19
51(OCC)		28087.2	183400.5	15.3		4364.2	183400.5	2.4	B31.12-IP-19
52(OCC)		28760.6	183400.5	15.7		4057.2	183400.5	2.2	B31.12-IP-19
53(OCC)		28364.9	183400.5	15.5		4258.4	183400.5	2.3	B31.12-IP-19
54(OCC)		26537.8	183400.5	14.5		4268.3	183400.5	2.3	B31.12-IP-19
2(Alt-SUS)	10451	3491.4	137895.1	2.5	10449	11779.5	137895.1	8.5	B31.12-IP-19
4(Alt-SUS)		5104.7	137895.1	3.7		6715.1	137895.1	4.9	B31.12-IP-19
6(Alt-SUS)		3530.2	137895.1	2.6		11578.1	137895.1	8.4	B31.12-IP-19
8(Alt-SUS)		3509.0	137895.1	2.5		11741.9	137895.1	8.5	B31.12-IP-19
14(SUS)		3646.3	137895.1	2.6		11060.2	137895.1	8.0	B31.12-IP-19
24(EXP)		16693.2	339633.2	4.9		19261.9	332958.4	5.8	B31.12-IP-19
25(EXP)		3613.2	339633.2	1.1		3403.6	332958.4	1.0	B31.12-IP-19
26(EXP)		2731.7	339633.2	0.8		2654.5	332958.4	0.8	B31.12-IP-19
27(EXP)		9521.9	339633.2	2.8		9817.7	332958.4	2.9	B31.12-IP-19
28(EXP)		13134.3	339633.2	3.9		13219.8	332958.4	4.0	B31.12-IP-19
42(OCC)		3805.6	183400.5	2.1		11511.1	183400.5	6.3	B31.12-IP-19
43(OCC)		3819.4	183400.5	2.1		11458.4	183400.5	6.2	B31.12-IP-19
44(OCC)		3777.0	183400.5	2.1		11375.8	183400.5	6.2	B31.12-IP-19
45(OCC)		3875.1	183400.5	2.1		11646.0	183400.5	6.4	B31.12-IP-19
46(OCC)		3852.5	183400.5	2.1		11226.7	183400.5	6.1	B31.12-IP-19
47(OCC)		5313.2	183400.5	2.9		16500.0	183400.5	9.0	B31.12-IP-19
48(OCC)		4525.4	183400.5	2.5		16659.0	183400.5	9.1	B31.12-IP-19
49(OCC)		5044.6	183400.5	2.8		17504.9	183400.5	9.5	B31.12-IP-19
50(OCC)		5497.3	183400.5	3.0		19434.6	183400.5	10.6	B31.12-IP-19
51(OCC)		5580.1	183400.5	3.0		13644.3	183400.5	7.4	B31.12-IP-19
52(OCC)		4603.6	183400.5	2.5		14616.4	183400.5	8.0	B31.12-IP-19
53(OCC)		5280.5	183400.5	2.9		13462.1	183400.5	7.3	B31.12-IP-19
54(OCC)		5446.6	183400.5	3.0		12177.8	183400.5	6.6	B31.12-IP-19
2(Alt-SUS)	10449	11779.5	137895.1	8.5	10450	13925.7	137895.1	10.1	B31.12-IP-19
4(Alt-SUS)		6715.1	137895.1	4.9		8305.2	137895.1	6.0	B31.12-IP-19
6(Alt-SUS)		11578.1	137895.1	8.4		13710.1	137895.1	9.9	B31.12-IP-19
8(Alt-SUS)		11741.9	137895.1	8.5		13887.2	137895.1	10.1	B31.12-IP-19
14(SUS)		11060.2	137895.1	8.0		13157.4	137895.1	9.5	B31.12-IP-19
24(EXP)		19261.9	332958.4	5.8		17611.8	330812.2	5.3	B31.12-IP-19
25(EXP)		3403.6	332958.4	1.0		3666.2	330812.2	1.1	B31.12-IP-19
26(EXP)		2654.5	332958.4	0.8		2704.5	330812.2	0.8	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		9817.7	332958.4	2.9		10570.5	330812.2	3.2	B31.12-IP-19
28(EXP)		13219.8	332958.4	4.0		14231.7	330812.2	4.3	B31.12-IP-19
42(OCC)		11511.1	183400.5	6.3		13836.2	183400.5	7.5	B31.12-IP-19
43(OCC)		11458.4	183400.5	6.2		13789.9	183400.5	7.5	B31.12-IP-19
44(OCC)		11375.8	183400.5	6.2		13573.5	183400.5	7.4	B31.12-IP-19
45(OCC)		11646.0	183400.5	6.4		13801.7	183400.5	7.5	B31.12-IP-19
46(OCC)		11226.7	183400.5	6.1		13293.2	183400.5	7.2	B31.12-IP-19
47(OCC)		16500.0	183400.5	9.0		16688.0	183400.5	9.1	B31.12-IP-19
48(OCC)		16659.0	183400.5	9.1		23059.5	183400.5	12.6	B31.12-IP-19
49(OCC)		17504.9	183400.5	9.5		21133.4	183400.5	11.5	B31.12-IP-19
50(OCC)		19434.6	183400.5	10.6		22982.6	183400.5	12.5	B31.12-IP-19
51(OCC)		13644.3	183400.5	7.4		19766.1	183400.5	10.8	B31.12-IP-19
52(OCC)		14616.4	183400.5	8.0		14858.8	183400.5	8.1	B31.12-IP-19
53(OCC)		13462.1	183400.5	7.3		17128.6	183400.5	9.3	B31.12-IP-19
54(OCC)		12177.8	183400.5	6.6		15744.4	183400.5	8.6	B31.12-IP-19
2(Alt-SUS)	10450	8190.5	137895.1	5.9	10460	8141.9	137895.1	5.9	B31.12-IP-19
4(Alt-SUS)		5600.3	137895.1	4.1		5576.4	137895.1	4.0	B31.12-IP-19
6(Alt-SUS)		8090.8	137895.1	5.9		8043.2	137895.1	5.8	B31.12-IP-19
8(Alt-SUS)		8172.7	137895.1	5.9		8124.2	137895.1	5.9	B31.12-IP-19
14(SUS)		7835.8	137895.1	5.7		7791.3	137895.1	5.7	B31.12-IP-19
24(EXP)		6078.4	336547.3	1.8		5999.3	336596.0	1.8	B31.12-IP-19
25(EXP)		1358.2	336547.3	0.4		1355.9	336596.0	0.4	B31.12-IP-19
26(EXP)		1008.4	336547.3	0.3		1003.6	336596.0	0.3	B31.12-IP-19
27(EXP)		3807.0	336547.3	1.1		3796.6	336596.0	1.1	B31.12-IP-19
28(EXP)		5162.3	336547.3	1.5		5149.6	336596.0	1.5	B31.12-IP-19
42(OCC)		8148.4	183400.5	4.4		8107.3	183400.5	4.4	B31.12-IP-19
43(OCC)		8159.5	183400.5	4.4		8122.0	183400.5	4.4	B31.12-IP-19
44(OCC)		8065.9	183400.5	4.4		8025.7	183400.5	4.4	B31.12-IP-19
45(OCC)		8151.9	183400.5	4.4		8106.3	183400.5	4.4	B31.12-IP-19
46(OCC)		7895.5	183400.5	4.3		7850.4	183400.5	4.3	B31.12-IP-19
47(OCC)		9653.0	183400.5	5.3		9493.0	183400.5	5.2	B31.12-IP-19
48(OCC)		12358.3	183400.5	6.7		12369.9	183400.5	6.7	B31.12-IP-19
49(OCC)		11626.0	183400.5	6.3		11562.1	183400.5	6.3	B31.12-IP-19
50(OCC)		12451.3	183400.5	6.8		12366.4	183400.5	6.7	B31.12-IP-19
51(OCC)		10836.4	183400.5	5.9		10864.4	183400.5	5.9	B31.12-IP-19
52(OCC)		8860.8	183400.5	4.8		8753.1	183400.5	4.8	B31.12-IP-19
53(OCC)		9868.4	183400.5	5.4		9845.7	183400.5	5.4	B31.12-IP-19
54(OCC)		9218.3	183400.5	5.0		9204.4	183400.5	5.0	B31.12-IP-19
2(Alt-SUS)	10460	0.0	0.0	0.0	10470	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10470	0.0	0.0	0.0	10480	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10480	0.0	0.0	0.0	10490	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10490	4258.0	137895.1	3.1	10500	3464.2	137895.1	2.5	B31.12-IP-19
4(Alt-SUS)		3241.2	137895.1	2.4		2948.4	137895.1	2.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		4225.2	137895.1	3.1		3420.0	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		4249.7	137895.1	3.1		3441.0	137895.1	2.5	B31.12-IP-19
14(SUS)		4206.8	137895.1	3.1		3558.3	137895.1	2.6	B31.12-IP-19
24(EXP)		2789.8	340479.8	0.8		4229.0	341179.6	1.2	B31.12-IP-19
25(EXP)		1773.9	340479.8	0.5		2274.2	341179.6	0.7	B31.12-IP-19
26(EXP)		1154.5	340479.8	0.3		1498.1	341179.6	0.4	B31.12-IP-19
27(EXP)		4760.3	340479.8	1.4		6113.0	341179.6	1.8	B31.12-IP-19
28(EXP)		6532.8	340479.8	1.9		8386.5	341179.6	2.5	B31.12-IP-19
42(OCC)		4962.5	183400.5	2.7		4722.1	183400.5	2.6	B31.12-IP-19
43(OCC)		5182.9	183400.5	2.8		5043.9	183400.5	2.8	B31.12-IP-19
44(OCC)		5001.6	183400.5	2.7		4844.7	183400.5	2.6	B31.12-IP-19
45(OCC)		4911.4	183400.5	2.7		4729.8	183400.5	2.6	B31.12-IP-19
46(OCC)		4230.1	183400.5	2.3		3578.5	183400.5	2.0	B31.12-IP-19
47(OCC)		5119.6	183400.5	2.8		4895.2	183400.5	2.7	B31.12-IP-19
48(OCC)		6478.8	183400.5	3.5		5373.3	183400.5	2.9	B31.12-IP-19
49(OCC)		6641.0	183400.5	3.6		10318.1	183400.5	5.6	B31.12-IP-19
50(OCC)		11308.0	183400.5	6.2		16579.0	183400.5	9.0	B31.12-IP-19
51(OCC)		6218.3	183400.5	3.4		5147.0	183400.5	2.8	B31.12-IP-19
52(OCC)		5459.0	183400.5	3.0		5454.0	183400.5	3.0	B31.12-IP-19
53(OCC)		5899.1	183400.5	3.2		9575.2	183400.5	5.2	B31.12-IP-19
54(OCC)		6424.0	183400.5	3.5		10276.0	183400.5	5.6	B31.12-IP-19
2(Alt-SUS)	10500	3481.0	137895.1	2.5	10510	3637.0	137895.1	2.6	B31.12-IP-19
4(Alt-SUS)		3350.4	137895.1	2.4		3303.3	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3450.6	137895.1	2.5		3558.8	137895.1	2.6	B31.12-IP-19
8(Alt-SUS)		3460.2	137895.1	2.5		3587.8	137895.1	2.6	B31.12-IP-19
14(SUS)		3623.3	137895.1	2.6		3446.2	137895.1	2.5	B31.12-IP-19
24(EXP)		4229.0	341114.5	1.2		7889.1	341100.8	2.3	B31.12-IP-19
25(EXP)		2274.2	341114.5	0.7		2336.6	341100.8	0.7	B31.12-IP-19
26(EXP)		1498.1	341114.5	0.4		1670.4	341100.8	0.5	B31.12-IP-19
27(EXP)		6113.0	341114.5	1.8		5880.3	341100.8	1.7	B31.12-IP-19
28(EXP)		8386.5	341114.5	2.5		8216.9	341100.8	2.4	B31.12-IP-19
42(OCC)		4755.3	183400.5	2.6		3792.1	183400.5	2.1	B31.12-IP-19
43(OCC)		5107.4	183400.5	2.8		3847.6	183400.5	2.1	B31.12-IP-19
44(OCC)		4910.9	183400.5	2.7		3684.8	183400.5	2.0	B31.12-IP-19
45(OCC)		4760.5	183400.5	2.6		3695.6	183400.5	2.0	B31.12-IP-19
46(OCC)		3642.3	183400.5	2.0		3459.1	183400.5	1.9	B31.12-IP-19
47(OCC)		4885.0	183400.5	2.7		3841.9	183400.5	2.1	B31.12-IP-19
48(OCC)		5356.4	183400.5	2.9		4145.4	183400.5	2.3	B31.12-IP-19
49(OCC)		10274.0	183400.5	5.6		5300.2	183400.5	2.9	B31.12-IP-19
50(OCC)		16390.8	183400.5	8.9		10001.9	183400.5	5.5	B31.12-IP-19
51(OCC)		5115.2	183400.5	2.8		4035.0	183400.5	2.2	B31.12-IP-19
52(OCC)		5499.4	183400.5	3.0		3904.2	183400.5	2.1	B31.12-IP-19
53(OCC)		9581.3	183400.5	5.2		5601.6	183400.5	3.1	B31.12-IP-19
54(OCC)		10112.8	183400.5	5.5		5611.6	183400.5	3.1	B31.12-IP-19
2(Alt-SUS)	10510	3637.1	137895.1	2.6	10518	3821.0	137895.1	2.8	B31.12-IP-19
4(Alt-SUS)		3303.5	137895.1	2.4		3303.6	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3558.9	137895.1	2.6		3795.7	137895.1	2.8	B31.12-IP-19
8(Alt-SUS)		3587.9	137895.1	2.6		3793.2	137895.1	2.8	B31.12-IP-19
14(SUS)		3446.0	137895.1	2.5		3831.3	137895.1	2.8	B31.12-IP-19
24(EXP)		7889.1	341100.8	2.3		10177.6	340906.5	3.0	B31.12-IP-19
25(EXP)		2336.6	341100.8	0.7		2416.8	340906.5	0.7	B31.12-IP-19
26(EXP)		1670.4	341100.8	0.5		1778.7	340906.5	0.5	B31.12-IP-19
27(EXP)		5880.3	341100.8	1.7		5894.3	340906.5	1.7	B31.12-IP-19
28(EXP)		8216.9	341100.8	2.4		8310.8	340906.5	2.4	B31.12-IP-19
42(OCC)		3792.0	183400.5	2.1		3939.7	183400.5	2.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		3847.6	183400.5	2.1		4070.4	183400.5	2.2	B31.12-IP-19
44(OCC)		3684.9	183400.5	2.0		4133.5	183400.5	2.3	B31.12-IP-19
45(OCC)		3695.6	183400.5	2.0		4000.7	183400.5	2.2	B31.12-IP-19
46(OCC)		3459.0	183400.5	1.9		3858.6	183400.5	2.1	B31.12-IP-19
47(OCC)		3841.6	183400.5	2.1		4362.0	183400.5	2.4	B31.12-IP-19
48(OCC)		4145.4	183400.5	2.3		4453.4	183400.5	2.4	B31.12-IP-19
49(OCC)		5301.2	183400.5	2.9		4772.2	183400.5	2.6	B31.12-IP-19
50(OCC)		10000.4	183400.5	5.5		7034.8	183400.5	3.8	B31.12-IP-19
51(OCC)		4034.8	183400.5	2.2		4269.7	183400.5	2.3	B31.12-IP-19
52(OCC)		3903.8	183400.5	2.1		4449.5	183400.5	2.4	B31.12-IP-19
53(OCC)		5602.3	183400.5	3.1		4147.1	183400.5	2.3	B31.12-IP-19
54(OCC)		5612.4	183400.5	3.1		4123.2	183400.5	2.2	B31.12-IP-19
2(Alt-SUS)	10518	4897.7	137895.1	3.6	10519	5039.7	137895.1	3.7	B31.12-IP-19
4(Alt-SUS)		3595.1	137895.1	2.6		3650.6	137895.1	2.6	B31.12-IP-19
6(Alt-SUS)		4838.0	137895.1	3.5		5027.3	137895.1	3.6	B31.12-IP-19
8(Alt-SUS)		4831.6	137895.1	3.5		4995.3	137895.1	3.6	B31.12-IP-19
14(SUS)		4925.4	137895.1	3.6		5237.2	137895.1	3.8	B31.12-IP-19
24(EXP)		28824.1	339812.4	8.5		29651.6	339500.6	8.7	B31.12-IP-19
25(EXP)		7000.8	339812.4	2.1		6652.9	339500.6	2.0	B31.12-IP-19
26(EXP)		5146.0	339812.4	1.5		5012.8	339500.6	1.5	B31.12-IP-19
27(EXP)		17017.9	339812.4	5.0		15941.5	339500.6	4.7	B31.12-IP-19
28(EXP)		24017.8	339812.4	7.1		22592.5	339500.6	6.7	B31.12-IP-19
42(OCC)		5123.0	183400.5	2.8		5444.9	183400.5	3.0	B31.12-IP-19
43(OCC)		5433.1	183400.5	3.0		6044.1	183400.5	3.3	B31.12-IP-19
44(OCC)		5552.2	183400.5	3.0		6120.4	183400.5	3.3	B31.12-IP-19
45(OCC)		5240.2	183400.5	2.9		5740.3	183400.5	3.1	B31.12-IP-19
46(OCC)		4986.3	183400.5	2.7		5306.2	183400.5	2.9	B31.12-IP-19
47(OCC)		6158.7	183400.5	3.4		6775.3	183400.5	3.7	B31.12-IP-19
48(OCC)		6312.0	183400.5	3.4		6760.0	183400.5	3.7	B31.12-IP-19
49(OCC)		6955.8	183400.5	3.8		9521.6	183400.5	5.2	B31.12-IP-19
50(OCC)		12388.8	183400.5	6.8		9619.6	183400.5	5.2	B31.12-IP-19
51(OCC)		5882.7	183400.5	3.2		6251.5	183400.5	3.4	B31.12-IP-19
52(OCC)		6270.4	183400.5	3.4		7153.8	183400.5	3.9	B31.12-IP-19
53(OCC)		5340.2	183400.5	2.9		6855.4	183400.5	3.7	B31.12-IP-19
54(OCC)		5413.0	183400.5	3.0		7776.9	183400.5	4.2	B31.12-IP-19
2(Alt-SUS)	10519	5039.7	137895.1	3.7	10520	4871.7	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		3650.6	137895.1	2.6		3697.0	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		5027.3	137895.1	3.6		4888.0	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		4995.3	137895.1	3.6		4840.1	137895.1	3.5	B31.12-IP-19
14(SUS)		5237.2	137895.1	3.8		5162.5	137895.1	3.7	B31.12-IP-19
24(EXP)		29651.6	339500.6	8.7		22131.7	339575.3	6.5	B31.12-IP-19
25(EXP)		6652.9	339500.6	2.0		4855.4	339575.3	1.4	B31.12-IP-19
26(EXP)		5012.8	339500.6	1.5		3762.5	339575.3	1.1	B31.12-IP-19
27(EXP)		15941.5	339500.6	4.7		11388.1	339575.3	3.4	B31.12-IP-19
28(EXP)		22592.5	339500.6	6.7		16241.7	339575.3	4.8	B31.12-IP-19
42(OCC)		5444.9	183400.5	3.0		5468.7	183400.5	3.0	B31.12-IP-19
43(OCC)		6044.1	183400.5	3.3		6017.8	183400.5	3.3	B31.12-IP-19
44(OCC)		6120.4	183400.5	3.3		6034.4	183400.5	3.3	B31.12-IP-19
45(OCC)		5740.3	183400.5	3.1		5705.3	183400.5	3.1	B31.12-IP-19
46(OCC)		5306.2	183400.5	2.9		5220.8	183400.5	2.8	B31.12-IP-19
47(OCC)		6775.3	183400.5	3.7		6717.8	183400.5	3.7	B31.12-IP-19
48(OCC)		6760.0	183400.5	3.7		6519.1	183400.5	3.6	B31.12-IP-19
49(OCC)		9521.6	183400.5	5.2		9759.9	183400.5	5.3	B31.12-IP-19
50(OCC)		9619.6	183400.5	5.2		8005.7	183400.5	4.4	B31.12-IP-19
51(OCC)		6251.5	183400.5	3.4		6143.3	183400.5	3.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		7153.8	183400.5	3.9		7187.6	183400.5	3.9	B31.12-IP-19
53(OCC)		6855.4	183400.5	3.7		7222.6	183400.5	3.9	B31.12-IP-19
54(OCC)		7776.9	183400.5	4.2		8383.7	183400.5	4.6	B31.12-IP-19
2(Alt-SUS)	10520	3797.5	137895.1	2.8	10525	6752.9	137895.1	4.9	B31.12-IP-19
4(Alt-SUS)		3308.4	137895.1	2.4		5255.3	137895.1	3.8	B31.12-IP-19
6(Alt-SUS)		3800.3	137895.1	2.8		6696.7	137895.1	4.9	B31.12-IP-19
8(Alt-SUS)		3782.3	137895.1	2.7		6739.2	137895.1	4.9	B31.12-IP-19
14(SUS)		3907.1	137895.1	2.8		6564.8	137895.1	4.8	B31.12-IP-19
24(EXP)		10209.4	340830.8	3.0		20039.1	337984.9	5.9	B31.12-IP-19
25(EXP)		2179.7	340830.8	0.6		4296.2	337984.9	1.3	B31.12-IP-19
26(EXP)		1594.8	340830.8	0.5		3062.5	337984.9	0.9	B31.12-IP-19
27(EXP)		5280.5	340830.8	1.5		10525.2	337984.9	3.1	B31.12-IP-19
28(EXP)		7459.0	340830.8	2.2		14821.3	337984.9	4.4	B31.12-IP-19
42(OCC)		4059.2	183400.5	2.2		7949.1	183400.5	4.3	B31.12-IP-19
43(OCC)		4308.3	183400.5	2.3		7663.5	183400.5	4.2	B31.12-IP-19
44(OCC)		4319.9	183400.5	2.4		7184.0	183400.5	3.9	B31.12-IP-19
45(OCC)		4170.2	183400.5	2.3		6881.2	183400.5	3.8	B31.12-IP-19
46(OCC)		3932.9	183400.5	2.1		6634.1	183400.5	3.6	B31.12-IP-19
47(OCC)		4591.1	183400.5	2.5		8856.5	183400.5	4.8	B31.12-IP-19
48(OCC)		4500.2	183400.5	2.5		9114.4	183400.5	5.0	B31.12-IP-19
49(OCC)		6024.9	183400.5	3.3		10124.9	183400.5	5.5	B31.12-IP-19
50(OCC)		5311.6	183400.5	2.9		9687.9	183400.5	5.3	B31.12-IP-19
51(OCC)		4365.0	183400.5	2.4		8947.1	183400.5	4.9	B31.12-IP-19
52(OCC)		4828.5	183400.5	2.6		8420.9	183400.5	4.6	B31.12-IP-19
53(OCC)		4906.4	183400.5	2.7		7435.2	183400.5	4.1	B31.12-IP-19
54(OCC)		5412.8	183400.5	3.0		8077.5	183400.5	4.4	B31.12-IP-19
2(Alt-SUS)	10525	6763.2	137895.1	4.9	10530	5703.1	137895.1	4.1	B31.12-IP-19
4(Alt-SUS)		5259.0	137895.1	3.8		4378.3	137895.1	3.2	B31.12-IP-19
6(Alt-SUS)		6715.1	137895.1	4.9		5661.8	137895.1	4.1	B31.12-IP-19
8(Alt-SUS)		6750.5	137895.1	4.9		5691.2	137895.1	4.1	B31.12-IP-19
14(SUS)		6615.1	137895.1	4.8		5581.2	137895.1	4.0	B31.12-IP-19
24(EXP)		20039.1	337974.7	5.9		16948.0	339034.7	5.0	B31.12-IP-19
25(EXP)		4296.2	337974.7	1.3		3684.1	339034.7	1.1	B31.12-IP-19
26(EXP)		3062.5	337974.7	0.9		2610.9	339034.7	0.8	B31.12-IP-19
27(EXP)		10525.2	337974.7	3.1		9026.4	339034.7	2.7	B31.12-IP-19
28(EXP)		14821.3	337974.7	4.4		12710.3	339034.7	3.7	B31.12-IP-19
42(OCC)		8015.3	183400.5	4.4		6407.3	183400.5	3.5	B31.12-IP-19
43(OCC)		7699.3	183400.5	4.2		6174.1	183400.5	3.4	B31.12-IP-19
44(OCC)		7215.5	183400.5	3.9		6123.7	183400.5	3.3	B31.12-IP-19
45(OCC)		6931.0	183400.5	3.8		5868.7	183400.5	3.2	B31.12-IP-19
46(OCC)		6683.4	183400.5	3.6		5641.4	183400.5	3.1	B31.12-IP-19
47(OCC)		8893.8	183400.5	4.8		7090.4	183400.5	3.9	B31.12-IP-19
48(OCC)		9141.9	183400.5	5.0		7409.4	183400.5	4.0	B31.12-IP-19
49(OCC)		10107.3	183400.5	5.5		8381.1	183400.5	4.6	B31.12-IP-19
50(OCC)		9793.6	183400.5	5.3		8153.2	183400.5	4.4	B31.12-IP-19
51(OCC)		9007.0	183400.5	4.9		7194.6	183400.5	3.9	B31.12-IP-19
52(OCC)		8441.1	183400.5	4.6		6784.8	183400.5	3.7	B31.12-IP-19
53(OCC)		7494.5	183400.5	4.1		6154.6	183400.5	3.4	B31.12-IP-19
54(OCC)		8096.0	183400.5	4.4		6607.1	183400.5	3.6	B31.12-IP-19
2(Alt-SUS)	10530	5703.1	137895.1	4.1	10538	3332.2	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		4378.3	137895.1	3.2		3220.7	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		5661.8	137895.1	4.1		3317.8	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		5691.2	137895.1	4.1		3341.1	137895.1	2.4	B31.12-IP-19
14(SUS)		5581.2	137895.1	4.0		3236.3	137895.1	2.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		16948.0	339034.7	5.0		19067.6	341396.8	5.6	B31.12-IP-19
25(EXP)		3684.1	339034.7	1.1		3681.7	341396.8	1.1	B31.12-IP-19
26(EXP)		2610.9	339034.7	0.8		2651.7	341396.8	0.8	B31.12-IP-19
27(EXP)		9026.4	339034.7	2.7		9237.2	341396.8	2.7	B31.12-IP-19
28(EXP)		12710.3	339034.7	3.7		12918.9	341396.8	3.8	B31.12-IP-19
42(OCC)		6407.3	183400.5	3.5		3425.9	183400.5	1.9	B31.12-IP-19
43(OCC)		6174.1	183400.5	3.4		3480.0	183400.5	1.9	B31.12-IP-19
44(OCC)		6123.7	183400.5	3.3		3464.2	183400.5	1.9	B31.12-IP-19
45(OCC)		5868.7	183400.5	3.2		3432.1	183400.5	1.9	B31.12-IP-19
46(OCC)		5641.4	183400.5	3.1		3243.4	183400.5	1.8	B31.12-IP-19
47(OCC)		7090.4	183400.5	3.9		3392.0	183400.5	1.8	B31.12-IP-19
48(OCC)		7409.4	183400.5	4.0		3566.3	183400.5	1.9	B31.12-IP-19
49(OCC)		8381.1	183400.5	4.6		3648.0	183400.5	2.0	B31.12-IP-19
50(OCC)		8153.2	183400.5	4.4		4658.4	183400.5	2.5	B31.12-IP-19
51(OCC)		7194.6	183400.5	3.9		3612.4	183400.5	2.0	B31.12-IP-19
52(OCC)		6784.8	183400.5	3.7		3611.6	183400.5	2.0	B31.12-IP-19
53(OCC)		6154.6	183400.5	3.4		3603.6	183400.5	2.0	B31.12-IP-19
54(OCC)		6607.1	183400.5	3.6		3641.8	183400.5	2.0	B31.12-IP-19
2(Alt-SUS)	10538	3686.9	137895.1	2.7	10539	3535.1	137895.1	2.6	B31.12-IP-19
4(Alt-SUS)		3428.2	137895.1	2.5		3235.8	137895.1	2.3	B31.12-IP-19
6(Alt-SUS)		3651.3	137895.1	2.6		3504.3	137895.1	2.5	B31.12-IP-19
8(Alt-SUS)		3710.7	137895.1	2.7		3559.2	137895.1	2.6	B31.12-IP-19
14(SUS)		3440.5	137895.1	2.5		3292.5	137895.1	2.4	B31.12-IP-19
24(EXP)		46744.3	341027.1	13.7		30010.0	341178.6	8.8	B31.12-IP-19
25(EXP)		9038.5	341027.1	2.7		5825.9	341178.6	1.7	B31.12-IP-19
26(EXP)		6622.9	341027.1	1.9		4415.4	341178.6	1.3	B31.12-IP-19
27(EXP)		22675.7	341027.1	6.6		14605.6	341178.6	4.3	B31.12-IP-19
28(EXP)		31714.1	341027.1	9.3		20431.5	341178.6	6.0	B31.12-IP-19
42(OCC)		3848.9	183400.5	2.1		3418.2	183400.5	1.9	B31.12-IP-19
43(OCC)		3870.4	183400.5	2.1		3955.1	183400.5	2.2	B31.12-IP-19
44(OCC)		3813.4	183400.5	2.1		3629.7	183400.5	2.0	B31.12-IP-19
45(OCC)		3764.8	183400.5	2.1		3557.4	183400.5	1.9	B31.12-IP-19
46(OCC)		3454.9	183400.5	1.9		3308.7	183400.5	1.8	B31.12-IP-19
47(OCC)		3772.1	183400.5	2.1		3526.9	183400.5	1.9	B31.12-IP-19
48(OCC)		4080.3	183400.5	2.2		4004.9	183400.5	2.2	B31.12-IP-19
49(OCC)		4179.3	183400.5	2.3		4105.0	183400.5	2.2	B31.12-IP-19
50(OCC)		6527.3	183400.5	3.6		5731.9	183400.5	3.1	B31.12-IP-19
51(OCC)		4146.4	183400.5	2.3		3753.0	183400.5	2.0	B31.12-IP-19
52(OCC)		4106.8	183400.5	2.2		4273.5	183400.5	2.3	B31.12-IP-19
53(OCC)		4220.6	183400.5	2.3		3974.5	183400.5	2.2	B31.12-IP-19
54(OCC)		4293.8	183400.5	2.3		4178.7	183400.5	2.3	B31.12-IP-19
2(Alt-SUS)	10539	3535.1	137895.1	2.6	10540	3328.5	137895.1	2.4	B31.12-IP-19
4(Alt-SUS)		3235.8	137895.1	2.3		3379.9	137895.1	2.5	B31.12-IP-19
6(Alt-SUS)		3504.3	137895.1	2.5		3313.8	137895.1	2.4	B31.12-IP-19
8(Alt-SUS)		3559.2	137895.1	2.6		3338.5	137895.1	2.4	B31.12-IP-19
14(SUS)		3292.5	137895.1	2.4		3204.5	137895.1	2.3	B31.12-IP-19
24(EXP)		30010.0	341178.6	8.8		24511.4	341357.9	7.2	B31.12-IP-19
25(EXP)		5825.9	341178.6	1.7		4817.6	341357.9	1.4	B31.12-IP-19
26(EXP)		4415.4	341178.6	1.3		3413.7	341357.9	1.0	B31.12-IP-19
27(EXP)		14605.6	341178.6	4.3		12123.5	341357.9	3.6	B31.12-IP-19
28(EXP)		20431.5	341178.6	6.0		16941.1	341357.9	5.0	B31.12-IP-19
42(OCC)		3418.2	183400.5	1.9		3625.9	183400.5	2.0	B31.12-IP-19
43(OCC)		3955.1	183400.5	2.2		3906.6	183400.5	2.1	B31.12-IP-19
44(OCC)		3629.7	183400.5	2.0		3697.7	183400.5	2.0	B31.12-IP-19
45(OCC)		3557.4	183400.5	1.9		3613.5	183400.5	2.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		3308.7	183400.5	1.8		3217.3	183400.5	1.8	B31.12-IP-19
47(OCC)		3526.9	183400.5	1.9		3849.4	183400.5	2.1	B31.12-IP-19
48(OCC)		4004.9	183400.5	2.2		4033.6	183400.5	2.2	B31.12-IP-19
49(OCC)		4105.0	183400.5	2.2		3945.0	183400.5	2.2	B31.12-IP-19
50(OCC)		5731.9	183400.5	3.1		3908.5	183400.5	2.1	B31.12-IP-19
51(OCC)		3753.0	183400.5	2.0		3813.1	183400.5	2.1	B31.12-IP-19
52(OCC)		4273.5	183400.5	2.3		4112.0	183400.5	2.2	B31.12-IP-19
53(OCC)		3974.5	183400.5	2.2		3975.4	183400.5	2.2	B31.12-IP-19
54(OCC)		4178.7	183400.5	2.3		3955.1	183400.5	2.2	B31.12-IP-19
2(Alt-SUS)	10540	3154.8	137895.1	2.3	10550	4354.6	137895.1	3.2	B31.12-IP-19
4(Alt-SUS)		3198.6	137895.1	2.3		4822.2	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		3148.6	137895.1	2.3		4362.0	137895.1	3.2	B31.12-IP-19
8(Alt-SUS)		3158.6	137895.1	2.3		4359.6	137895.1	3.2	B31.12-IP-19
14(SUS)		3105.5	137895.1	2.3		4387.4	137895.1	3.2	B31.12-IP-19
24(EXP)		20336.2	341539.3	6.0		19829.6	339915.7	5.8	B31.12-IP-19
25(EXP)		3822.3	341539.3	1.1		3914.7	339915.7	1.2	B31.12-IP-19
26(EXP)		2733.1	341539.3	0.8		2924.2	339915.7	0.9	B31.12-IP-19
27(EXP)		9593.7	341539.3	2.8		9735.3	339915.7	2.9	B31.12-IP-19
28(EXP)		13416.0	341539.3	3.9		13649.3	339915.7	4.0	B31.12-IP-19
42(OCC)		3320.2	183400.5	1.8		4943.6	183400.5	2.7	B31.12-IP-19
43(OCC)		3468.7	183400.5	1.9		4651.0	183400.5	2.5	B31.12-IP-19
44(OCC)		3364.2	183400.5	1.8		4655.6	183400.5	2.5	B31.12-IP-19
45(OCC)		3333.9	183400.5	1.8		4584.4	183400.5	2.5	B31.12-IP-19
46(OCC)		3115.9	183400.5	1.7		4411.7	183400.5	2.4	B31.12-IP-19
47(OCC)		3441.2	183400.5	1.9		5548.3	183400.5	3.0	B31.12-IP-19
48(OCC)		3570.9	183400.5	1.9		5091.8	183400.5	2.8	B31.12-IP-19
49(OCC)		3462.9	183400.5	1.9		4919.7	183400.5	2.7	B31.12-IP-19
50(OCC)		3431.9	183400.5	1.9		7173.7	183400.5	3.9	B31.12-IP-19
51(OCC)		3429.3	183400.5	1.9		5437.9	183400.5	3.0	B31.12-IP-19
52(OCC)		3606.5	183400.5	2.0		5293.6	183400.5	2.9	B31.12-IP-19
53(OCC)		3475.6	183400.5	1.9		5570.3	183400.5	3.0	B31.12-IP-19
54(OCC)		3535.2	183400.5	1.9		5369.3	183400.5	2.9	B31.12-IP-19
2(Alt-SUS)	10550	4355.4	137895.1	3.2	10560	6443.5	137895.1	4.7	B31.12-IP-19
4(Alt-SUS)		4823.2	137895.1	3.5		7482.8	137895.1	5.4	B31.12-IP-19
6(Alt-SUS)		4362.8	137895.1	3.2		6454.7	137895.1	4.7	B31.12-IP-19
8(Alt-SUS)		4360.4	137895.1	3.2		6462.3	137895.1	4.7	B31.12-IP-19
14(SUS)		4388.3	137895.1	3.2		6492.2	137895.1	4.7	B31.12-IP-19
24(EXP)		19829.6	339914.6	5.8		24273.8	337255.1	7.2	B31.12-IP-19
25(EXP)		3914.7	339914.6	1.2		7155.0	337255.1	2.1	B31.12-IP-19
26(EXP)		2924.2	339914.6	0.9		6085.6	337255.1	1.8	B31.12-IP-19
27(EXP)		9735.3	339914.6	2.9		17203.2	337255.1	5.1	B31.12-IP-19
28(EXP)		13649.3	339914.6	4.0		24356.4	337255.1	7.2	B31.12-IP-19
42(OCC)		4944.5	183400.5	2.7		7927.4	183400.5	4.3	B31.12-IP-19
43(OCC)		4651.6	183400.5	2.5		7092.4	183400.5	3.9	B31.12-IP-19
44(OCC)		4656.4	183400.5	2.5		7131.6	183400.5	3.9	B31.12-IP-19
45(OCC)		4585.2	183400.5	2.5		6691.1	183400.5	3.6	B31.12-IP-19
46(OCC)		4412.5	183400.5	2.4		6547.0	183400.5	3.6	B31.12-IP-19
47(OCC)		5549.7	183400.5	3.0		9327.0	183400.5	5.1	B31.12-IP-19
48(OCC)		5092.5	183400.5	2.8		7997.6	183400.5	4.4	B31.12-IP-19
49(OCC)		4920.8	183400.5	2.7		8371.6	183400.5	4.6	B31.12-IP-19
50(OCC)		7174.8	183400.5	3.9		14535.8	183400.5	7.9	B31.12-IP-19
51(OCC)		5438.5	183400.5	3.0		9212.3	183400.5	5.0	B31.12-IP-19
52(OCC)		5294.8	183400.5	2.9		8705.8	183400.5	4.7	B31.12-IP-19
53(OCC)		5570.6	183400.5	3.0		9436.8	183400.5	5.1	B31.12-IP-19
54(OCC)		5370.6	183400.5	2.9		9083.1	183400.5	5.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	10560	4958.0	137895.1	3.6	10570	4630.2	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		5325.5	137895.1	3.9		4727.8	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		5004.1	137895.1	3.6		4637.7	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		4947.5	137895.1	3.6		4630.1	137895.1	3.4	B31.12-IP-19
14(SUS)		5214.1	137895.1	3.8		4662.7	137895.1	3.4	B31.12-IP-19
24(EXP)		66636.3	339412.4	19.6		8854.1	340010.1	2.6	B31.12-IP-19
25(EXP)		11941.4	339412.4	3.5		2073.1	340010.1	0.6	B31.12-IP-19
26(EXP)		8444.0	339412.4	2.5		1579.5	340010.1	0.5	B31.12-IP-19
27(EXP)		31033.6	339412.4	9.1		5243.0	340010.1	1.5	B31.12-IP-19
28(EXP)		42974.1	339412.4	12.7		7315.7	340010.1	2.2	B31.12-IP-19
42(OCC)		6067.5	183400.5	3.3		4871.8	183400.5	2.7	B31.12-IP-19
43(OCC)		5911.5	183400.5	3.2		4927.7	183400.5	2.7	B31.12-IP-19
44(OCC)		6414.0	183400.5	3.5		4917.5	183400.5	2.7	B31.12-IP-19
45(OCC)		6198.8	183400.5	3.4		4893.8	183400.5	2.7	B31.12-IP-19
46(OCC)		5236.6	183400.5	2.9		4669.1	183400.5	2.5	B31.12-IP-19
47(OCC)		6187.6	183400.5	3.4		5049.5	183400.5	2.8	B31.12-IP-19
48(OCC)		6132.4	183400.5	3.3		5039.7	183400.5	2.7	B31.12-IP-19
49(OCC)		7652.2	183400.5	4.2		5276.5	183400.5	2.9	B31.12-IP-19
50(OCC)		7297.0	183400.5	4.0		5991.4	183400.5	3.3	B31.12-IP-19
51(OCC)		6823.9	183400.5	3.7		5245.0	183400.5	2.9	B31.12-IP-19
52(OCC)		6547.7	183400.5	3.6		5023.0	183400.5	2.7	B31.12-IP-19
53(OCC)		6472.9	183400.5	3.5		4926.0	183400.5	2.7	B31.12-IP-19
54(OCC)		7423.1	183400.5	4.0		5349.6	183400.5	2.9	B31.12-IP-19
2(Alt-SUS)	10570	4630.2	137895.1	3.4	10578	4698.0	137895.1	3.4	B31.12-IP-19
4(Alt-SUS)		4727.8	137895.1	3.4		4747.3	137895.1	3.4	B31.12-IP-19
6(Alt-SUS)		4637.7	137895.1	3.4		4698.3	137895.1	3.4	B31.12-IP-19
8(Alt-SUS)		4630.1	137895.1	3.4		4700.3	137895.1	3.4	B31.12-IP-19
14(SUS)		4662.7	137895.1	3.4		4690.5	137895.1	3.4	B31.12-IP-19
24(EXP)		8854.1	340010.1	2.6		11728.0	339990.5	3.4	B31.12-IP-19
25(EXP)		2073.1	340010.1	0.6		2526.2	339990.5	0.7	B31.12-IP-19
26(EXP)		1579.5	340010.1	0.5		1843.7	339990.5	0.5	B31.12-IP-19
27(EXP)		5243.0	340010.1	1.5		6328.0	339990.5	1.9	B31.12-IP-19
28(EXP)		7315.7	340010.1	2.2		8854.1	339990.5	2.6	B31.12-IP-19
42(OCC)		4871.8	183400.5	2.7		4803.9	183400.5	2.6	B31.12-IP-19
43(OCC)		4927.7	183400.5	2.7		4860.4	183400.5	2.7	B31.12-IP-19
44(OCC)		4917.5	183400.5	2.7		4957.7	183400.5	2.7	B31.12-IP-19
45(OCC)		4893.8	183400.5	2.7		4886.6	183400.5	2.7	B31.12-IP-19
46(OCC)		4669.1	183400.5	2.5		4695.0	183400.5	2.6	B31.12-IP-19
47(OCC)		5049.5	183400.5	2.8		5574.0	183400.5	3.0	B31.12-IP-19
48(OCC)		5039.7	183400.5	2.7		5433.2	183400.5	3.0	B31.12-IP-19
49(OCC)		5276.5	183400.5	2.9		5248.1	183400.5	2.9	B31.12-IP-19
50(OCC)		5991.4	183400.5	3.3		6059.6	183400.5	3.3	B31.12-IP-19
51(OCC)		5245.0	183400.5	2.9		5746.1	183400.5	3.1	B31.12-IP-19
52(OCC)		5023.0	183400.5	2.7		5284.4	183400.5	2.9	B31.12-IP-19
53(OCC)		4926.0	183400.5	2.7		5129.0	183400.5	2.8	B31.12-IP-19
54(OCC)		5349.6	183400.5	2.9		5176.0	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	10578	5287.4	137895.1	3.8	10579	4860.3	137895.1	3.5	B31.12-IP-19
4(Alt-SUS)		5392.5	137895.1	3.9		4883.2	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		5286.2	137895.1	3.8		4869.5	137895.1	3.5	B31.12-IP-19
8(Alt-SUS)		5292.8	137895.1	3.8		4865.5	137895.1	3.5	B31.12-IP-19
14(SUS)		5256.8	137895.1	3.8		4897.0	137895.1	3.6	B31.12-IP-19
24(EXP)		29734.3	339345.3	8.8		65548.2	339840.8	19.3	B31.12-IP-19
25(EXP)		5611.1	339345.3	1.7		12793.0	339840.8	3.8	B31.12-IP-19
26(EXP)		3831.8	339345.3	1.1		8970.3	339840.8	2.6	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		13977.9	339345.3	4.1		32152.0	339840.8	9.5	B31.12-IP-19
28(EXP)		19588.9	339345.3	5.8		44944.8	339840.8	13.2	B31.12-IP-19
42(OCC)		5419.0	183400.5	3.0		5261.7	183400.5	2.9	B31.12-IP-19
43(OCC)		5626.5	183400.5	3.1		5298.9	183400.5	2.9	B31.12-IP-19
44(OCC)		5814.6	183400.5	3.2		5766.1	183400.5	3.1	B31.12-IP-19
45(OCC)		5650.2	183400.5	3.1		5575.6	183400.5	3.0	B31.12-IP-19
46(OCC)		5264.4	183400.5	2.9		4903.4	183400.5	2.7	B31.12-IP-19
47(OCC)		7114.2	183400.5	3.9		7020.8	183400.5	3.8	B31.12-IP-19
48(OCC)		6827.2	183400.5	3.7		6471.5	183400.5	3.5	B31.12-IP-19
49(OCC)		6238.3	183400.5	3.4		6510.0	183400.5	3.5	B31.12-IP-19
50(OCC)		6997.3	183400.5	3.8		6770.0	183400.5	3.7	B31.12-IP-19
51(OCC)		7479.8	183400.5	4.1		7182.7	183400.5	3.9	B31.12-IP-19
52(OCC)		6403.5	183400.5	3.5		6681.4	183400.5	3.6	B31.12-IP-19
53(OCC)		6122.5	183400.5	3.3		5764.9	183400.5	3.1	B31.12-IP-19
54(OCC)		5994.7	183400.5	3.3		6154.3	183400.5	3.4	B31.12-IP-19
2(Alt-SUS)	10579	4860.3	137895.1	3.5	10580	7997.3	137895.1	5.8	B31.12-IP-19
4(Alt-SUS)		4883.2	137895.1	3.5		8231.5	137895.1	6.0	B31.12-IP-19
6(Alt-SUS)		4869.5	137895.1	3.5		8033.1	137895.1	5.8	B31.12-IP-19
8(Alt-SUS)		4865.5	137895.1	3.5		7994.2	137895.1	5.8	B31.12-IP-19
14(SUS)		4897.0	137895.1	3.6		8185.1	137895.1	5.9	B31.12-IP-19
24(EXP)		65548.2	339840.8	19.3		95339.5	336506.3	28.3	B31.12-IP-19
25(EXP)		12793.0	339840.8	3.8		18542.0	336506.3	5.5	B31.12-IP-19
26(EXP)		8970.3	339840.8	2.6		13083.1	336506.3	3.9	B31.12-IP-19
27(EXP)		32152.0	339840.8	9.5		46618.1	336506.3	13.9	B31.12-IP-19
28(EXP)		44944.8	339840.8	13.2		65160.0	336506.3	19.4	B31.12-IP-19
42(OCC)		5261.7	183400.5	2.9		8731.8	183400.5	4.8	B31.12-IP-19
43(OCC)		5298.9	183400.5	2.9		8994.3	183400.5	4.9	B31.12-IP-19
44(OCC)		5766.1	183400.5	3.1		9402.5	183400.5	5.1	B31.12-IP-19
45(OCC)		5575.6	183400.5	3.0		9190.3	183400.5	5.0	B31.12-IP-19
46(OCC)		4903.4	183400.5	2.7		8201.3	183400.5	4.5	B31.12-IP-19
47(OCC)		7020.8	183400.5	3.8		10683.6	183400.5	5.8	B31.12-IP-19
48(OCC)		6471.5	183400.5	3.5		9949.0	183400.5	5.4	B31.12-IP-19
49(OCC)		6510.0	183400.5	3.5		12049.9	183400.5	6.6	B31.12-IP-19
50(OCC)		6770.0	183400.5	3.7		11757.4	183400.5	6.4	B31.12-IP-19
51(OCC)		7182.7	183400.5	3.9		10927.6	183400.5	6.0	B31.12-IP-19
52(OCC)		6681.4	183400.5	3.6		11482.3	183400.5	6.3	B31.12-IP-19
53(OCC)		5764.9	183400.5	3.1		8906.7	183400.5	4.9	B31.12-IP-19
54(OCC)		6154.3	183400.5	3.4		11755.3	183400.5	6.4	B31.12-IP-19
2(Alt-SUS)	10580	5492.8	137895.1	4.0	10590	5899.0	137895.1	4.3	B31.12-IP-19
4(Alt-SUS)		5570.0	137895.1	4.0		5993.5	137895.1	4.3	B31.12-IP-19
6(Alt-SUS)		5504.7	137895.1	4.0		5912.4	137895.1	4.3	B31.12-IP-19
8(Alt-SUS)		5492.5	137895.1	4.0		5899.0	137895.1	4.3	B31.12-IP-19
14(SUS)		5553.5	137895.1	4.0		5965.0	137895.1	4.3	B31.12-IP-19
24(EXP)		27794.1	339167.8	8.2		29923.7	338744.3	8.8	B31.12-IP-19
25(EXP)		5495.0	339167.8	1.6		5926.0	338744.3	1.7	B31.12-IP-19
26(EXP)		3845.9	339167.8	1.1		4141.3	338744.3	1.2	B31.12-IP-19
27(EXP)		13790.6	339167.8	4.1		14861.8	338744.3	4.4	B31.12-IP-19
28(EXP)		19285.6	339167.8	5.7		20787.8	338744.3	6.1	B31.12-IP-19
42(OCC)		5916.2	183400.5	3.2		6371.8	183400.5	3.5	B31.12-IP-19
43(OCC)		5890.5	183400.5	3.2		6352.5	183400.5	3.5	B31.12-IP-19
44(OCC)		6125.3	183400.5	3.3		6554.1	183400.5	3.6	B31.12-IP-19
45(OCC)		6001.5	183400.5	3.3		6424.8	183400.5	3.5	B31.12-IP-19
46(OCC)		5560.1	183400.5	3.0		5972.4	183400.5	3.3	B31.12-IP-19
47(OCC)		7045.9	183400.5	3.8		7597.1	183400.5	4.1	B31.12-IP-19
48(OCC)		6686.7	183400.5	3.6		7216.6	183400.5	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		7096.2	183400.5	3.9		7735.2	183400.5	4.2	B31.12-IP-19
50(OCC)		7086.2	183400.5	3.9		7596.5	183400.5	4.1	B31.12-IP-19
51(OCC)		7227.0	183400.5	3.9		7789.4	183400.5	4.2	B31.12-IP-19
52(OCC)		6982.7	183400.5	3.8		7609.1	183400.5	4.1	B31.12-IP-19
53(OCC)		5943.0	183400.5	3.2		6501.8	183400.5	3.5	B31.12-IP-19
54(OCC)		6912.5	183400.5	3.8		7549.7	183400.5	4.1	B31.12-IP-19
2(Alt-SUS)	10590	5899.0	137895.1	4.3	10600	7367.3	137895.1	5.3	B31.12-IP-19
4(Alt-SUS)		5993.5	137895.1	4.3		7273.3	137895.1	5.3	B31.12-IP-19
6(Alt-SUS)		5912.4	137895.1	4.3		7352.5	137895.1	5.3	B31.12-IP-19
8(Alt-SUS)		5899.0	137895.1	4.3		7370.4	137895.1	5.3	B31.12-IP-19
14(SUS)		5965.6	137895.1	4.3		7286.8	137895.1	5.3	B31.12-IP-19
24(EXP)		29923.7	338744.3	8.8		27022.8	337367.4	8.0	B31.12-IP-19
25(EXP)		5926.0	338744.3	1.7		5304.5	337367.4	1.6	B31.12-IP-19
26(EXP)		4141.3	338744.3	1.2		3697.6	337367.4	1.1	B31.12-IP-19
27(EXP)		14861.8	338744.3	4.4		13311.7	337367.4	3.9	B31.12-IP-19
28(EXP)		20787.8	338744.3	6.1		18616.2	337367.4	5.5	B31.12-IP-19
42(OCC)		6387.0	183400.5	3.5		7627.1	183400.5	4.2	B31.12-IP-19
43(OCC)		6382.6	183400.5	3.5		7573.6	183400.5	4.1	B31.12-IP-19
44(OCC)		6552.7	183400.5	3.6		7846.2	183400.5	4.3	B31.12-IP-19
45(OCC)		6424.5	183400.5	3.5		7722.1	183400.5	4.2	B31.12-IP-19
46(OCC)		5973.2	183400.5	3.3		7292.7	183400.5	4.0	B31.12-IP-19
47(OCC)		7624.2	183400.5	4.2		11031.9	183400.5	6.0	B31.12-IP-19
48(OCC)		7255.9	183400.5	4.0		10959.3	183400.5	6.0	B31.12-IP-19
49(OCC)		7981.1	183400.5	4.4		8611.6	183400.5	4.7	B31.12-IP-19
50(OCC)		7867.8	183400.5	4.3		9567.7	183400.5	5.2	B31.12-IP-19
51(OCC)		8149.6	183400.5	4.4		11442.7	183400.5	6.2	B31.12-IP-19
52(OCC)		8174.8	183400.5	4.5		11210.3	183400.5	6.1	B31.12-IP-19
53(OCC)		6616.7	183400.5	3.6		9797.8	183400.5	5.3	B31.12-IP-19
54(OCC)		7793.8	183400.5	4.2		8671.4	183400.5	4.7	B31.12-IP-19
2(Alt-SUS)	10600	0.0	0.0	0.0	10610	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10610	0.0	0.0	0.0	10620	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10620	0.0	0.0	0.0	10630	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10630	58377.0	137895.1	42.3	10640	71165.2	137895.1	51.6	B31.12-IP-19
4(Alt-SUS)		58467.2	137895.1	42.4		71489.8	137895.1	51.8	B31.12-IP-19
6(Alt-SUS)		58378.2	137895.1	42.3		71176.5	137895.1	51.6	B31.12-IP-19
8(Alt-SUS)		58379.6	137895.1	42.3		71171.1	137895.1	51.6	B31.12-IP-19
14(SUS)		58372.3	137895.1	42.3		71192.6	137895.1	51.6	B31.12-IP-19
24(EXP)		12501.7	286270.7	4.4		29647.9	273248.0	10.9	B31.12-IP-19
25(EXP)		2820.4	286270.7	1.0		7672.2	273248.0	2.8	B31.12-IP-19
26(EXP)		1920.0	286270.7	0.7		5482.5	273248.0	2.0	B31.12-IP-19
27(EXP)		6994.0	286270.7	2.4		18991.5	273248.0	7.0	B31.12-IP-19
28(EXP)		9814.1	286270.7	3.4		26662.7	273248.0	9.8	B31.12-IP-19
42(OCC)		58782.5	183400.5	32.1		71772.0	183400.5	39.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		58649.5	183400.5	32.0		71679.4	183400.5	39.1	B31.12-IP-19
44(OCC)		58774.1	183400.5	32.0		71696.6	183400.5	39.1	B31.12-IP-19
45(OCC)		58666.7	183400.5	32.0		71599.3	183400.5	39.0	B31.12-IP-19
46(OCC)		58386.4	183400.5	31.8		71235.5	183400.5	38.8	B31.12-IP-19
47(OCC)		69785.3	183400.5	38.1		92937.2	183400.5	50.7	B31.12-IP-19
48(OCC)		67860.4	183400.5	37.0		87258.3	183400.5	47.6	B31.12-IP-19
49(OCC)		64629.5	183400.5	35.2		80849.6	183400.5	44.1	B31.12-IP-19
50(OCC)		66961.7	183400.5	36.5		88976.7	183400.5	48.5	B31.12-IP-19
51(OCC)		69545.8	183400.5	37.9		90709.1	183400.5	49.5	B31.12-IP-19
52(OCC)		69526.6	183400.5	37.9		91860.3	183400.5	50.1	B31.12-IP-19
53(OCC)		67298.7	183400.5	36.7		89594.3	183400.5	48.9	B31.12-IP-19
54(OCC)		64920.1	183400.5	35.4		81807.0	183400.5	44.6	B31.12-IP-19
2(Alt-SUS)	10560	6226.3	137895.1	4.5	10648	5156.9	137895.1	3.7	B31.12-IP-19
4(Alt-SUS)		6398.8	137895.1	4.6		5210.1	137895.1	3.8	B31.12-IP-19
6(Alt-SUS)		6246.0	137895.1	4.5		5165.2	137895.1	3.7	B31.12-IP-19
8(Alt-SUS)		6231.9	137895.1	4.5		5160.5	137895.1	3.7	B31.12-IP-19
14(SUS)		6292.3	137895.1	4.6		5178.0	137895.1	3.8	B31.12-IP-19
24(EXP)		42306.9	338339.0	12.5		19515.9	339527.8	5.7	B31.12-IP-19
25(EXP)		7641.3	338339.0	2.3		3650.3	339527.8	1.1	B31.12-IP-19
26(EXP)		5351.5	338339.0	1.6		2565.7	339527.8	0.8	B31.12-IP-19
27(EXP)		20011.6	338339.0	5.9		9438.0	339527.8	2.8	B31.12-IP-19
28(EXP)		27647.8	338339.0	8.2		13087.0	339527.8	3.9	B31.12-IP-19
42(OCC)		7158.1	183400.5	3.9		5511.0	183400.5	3.0	B31.12-IP-19
43(OCC)		7005.4	183400.5	3.8		5364.0	183400.5	2.9	B31.12-IP-19
44(OCC)		7312.9	183400.5	4.0		5559.4	183400.5	3.0	B31.12-IP-19
45(OCC)		7112.5	183400.5	3.9		5483.2	183400.5	3.0	B31.12-IP-19
46(OCC)		6298.4	183400.5	3.4		5180.3	183400.5	2.8	B31.12-IP-19
47(OCC)		6789.9	183400.5	3.7		5494.2	183400.5	3.0	B31.12-IP-19
48(OCC)		7845.9	183400.5	4.3		5804.8	183400.5	3.2	B31.12-IP-19
49(OCC)		8722.9	183400.5	4.8		6291.3	183400.5	3.4	B31.12-IP-19
50(OCC)		7760.1	183400.5	4.2		5719.0	183400.5	3.1	B31.12-IP-19
51(OCC)		8462.7	183400.5	4.6		6168.2	183400.5	3.4	B31.12-IP-19
52(OCC)		7223.7	183400.5	3.9		5714.6	183400.5	3.1	B31.12-IP-19
53(OCC)		7502.8	183400.5	4.1		5590.6	183400.5	3.0	B31.12-IP-19
54(OCC)		8429.7	183400.5	4.6		6079.6	183400.5	3.3	B31.12-IP-19
2(Alt-SUS)	10648	6759.4	137895.1	4.9	10649	6061.5	137895.1	4.4	B31.12-IP-19
4(Alt-SUS)		6886.7	137895.1	5.0		6093.9	137895.1	4.4	B31.12-IP-19
6(Alt-SUS)		6777.9	137895.1	4.9		6074.3	137895.1	4.4	B31.12-IP-19
8(Alt-SUS)		6769.9	137895.1	4.9		6070.4	137895.1	4.4	B31.12-IP-19
14(SUS)		6797.6	137895.1	4.9		6081.1	137895.1	4.4	B31.12-IP-19
24(EXP)		59120.5	337851.1	17.5		53236.4	338644.0	15.7	B31.12-IP-19
25(EXP)		11374.2	337851.1	3.4		10817.7	338644.0	3.2	B31.12-IP-19
26(EXP)		7975.7	337851.1	2.4		7591.6	338644.0	2.2	B31.12-IP-19
27(EXP)		29206.2	337851.1	8.6		27451.5	338644.0	8.1	B31.12-IP-19
28(EXP)		40575.7	337851.1	12.0		38266.1	338644.0	11.3	B31.12-IP-19
42(OCC)		7602.7	183400.5	4.1		6516.5	183400.5	3.6	B31.12-IP-19
43(OCC)		7279.5	183400.5	4.0		6262.9	183400.5	3.4	B31.12-IP-19
44(OCC)		7682.0	183400.5	4.2		6863.6	183400.5	3.7	B31.12-IP-19
45(OCC)		7472.2	183400.5	4.1		6671.8	183400.5	3.6	B31.12-IP-19
46(OCC)		6802.8	183400.5	3.7		6084.2	183400.5	3.3	B31.12-IP-19
47(OCC)		7303.7	183400.5	4.0		6508.0	183400.5	3.5	B31.12-IP-19
48(OCC)		8381.3	183400.5	4.6		6898.2	183400.5	3.8	B31.12-IP-19
49(OCC)		9462.0	183400.5	5.2		8407.8	183400.5	4.6	B31.12-IP-19
50(OCC)		7923.3	183400.5	4.3		6684.1	183400.5	3.6	B31.12-IP-19
51(OCC)		9243.8	183400.5	5.0		7830.2	183400.5	4.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		7995.5	183400.5	4.4		7290.7	183400.5	4.0	B31.12-IP-19
53(OCC)		7745.3	183400.5	4.2		6342.7	183400.5	3.5	B31.12-IP-19
54(OCC)		8937.7	183400.5	4.9		7706.4	183400.5	4.2	B31.12-IP-19
2(Alt-SUS)	10649	6061.5	137895.1	4.4	10650	4331.6	137895.1	3.1	B31.12-IP-19
4(Alt-SUS)		6093.9	137895.1	4.4		4309.9	137895.1	3.1	B31.12-IP-19
6(Alt-SUS)		6074.3	137895.1	4.4		4330.0	137895.1	3.1	B31.12-IP-19
8(Alt-SUS)		6070.4	137895.1	4.4		4337.8	137895.1	3.1	B31.12-IP-19
14(SUS)		6081.1	137895.1	4.4		4317.7	137895.1	3.1	B31.12-IP-19
24(EXP)		53236.4	338644.0	15.7		29626.9	340400.0	8.7	B31.12-IP-19
25(EXP)		10817.7	338644.0	3.2		6168.6	340400.0	1.8	B31.12-IP-19
26(EXP)		7591.6	338644.0	2.2		4299.7	340400.0	1.3	B31.12-IP-19
27(EXP)		27451.5	338644.0	8.1		15575.7	340400.0	4.6	B31.12-IP-19
28(EXP)		38266.1	338644.0	11.3		21741.6	340400.0	6.4	B31.12-IP-19
42(OCC)		6516.5	183400.5	3.6		4792.3	183400.5	2.6	B31.12-IP-19
43(OCC)		6262.9	183400.5	3.4		4611.3	183400.5	2.5	B31.12-IP-19
44(OCC)		6863.6	183400.5	3.7		4960.7	183400.5	2.7	B31.12-IP-19
45(OCC)		6671.8	183400.5	3.6		4712.0	183400.5	2.6	B31.12-IP-19
46(OCC)		6084.2	183400.5	3.3		4322.1	183400.5	2.4	B31.12-IP-19
47(OCC)		6508.0	183400.5	3.5		5028.4	183400.5	2.7	B31.12-IP-19
48(OCC)		6898.2	183400.5	3.8		4557.0	183400.5	2.5	B31.12-IP-19
49(OCC)		8407.8	183400.5	4.6		5730.0	183400.5	3.1	B31.12-IP-19
50(OCC)		6684.1	183400.5	3.6		5016.8	183400.5	2.7	B31.12-IP-19
51(OCC)		7830.2	183400.5	4.3		5235.8	183400.5	2.9	B31.12-IP-19
52(OCC)		7290.7	183400.5	4.0		4871.5	183400.5	2.7	B31.12-IP-19
53(OCC)		6342.7	183400.5	3.5		5091.7	183400.5	2.8	B31.12-IP-19
54(OCC)		7706.4	183400.5	4.2		4979.0	183400.5	2.7	B31.12-IP-19
2(Alt-SUS)	10650	4176.1	137895.1	3.0	10658	4523.6	137895.1	3.3	B31.12-IP-19
4(Alt-SUS)		4166.9	137895.1	3.0		4527.0	137895.1	3.3	B31.12-IP-19
6(Alt-SUS)		4175.3	137895.1	3.0		4524.8	137895.1	3.3	B31.12-IP-19
8(Alt-SUS)		4178.3	137895.1	3.0		4523.4	137895.1	3.3	B31.12-IP-19
14(SUS)		4172.2	137895.1	3.0		4533.1	137895.1	3.3	B31.12-IP-19
24(EXP)		24395.4	340559.5	7.2		24908.5	340204.8	7.3	B31.12-IP-19
25(EXP)		4622.5	340559.5	1.4		4753.2	340204.8	1.4	B31.12-IP-19
26(EXP)		3352.0	340559.5	1.0		3498.7	340204.8	1.0	B31.12-IP-19
27(EXP)		11992.6	340559.5	3.5		12327.0	340204.8	3.6	B31.12-IP-19
28(EXP)		16614.6	340559.5	4.9		17079.9	340204.8	5.0	B31.12-IP-19
42(OCC)		4413.8	183400.5	2.4		4789.7	183400.5	2.6	B31.12-IP-19
43(OCC)		4332.4	183400.5	2.4		4667.7	183400.5	2.5	B31.12-IP-19
44(OCC)		4493.0	183400.5	2.4		4902.3	183400.5	2.7	B31.12-IP-19
45(OCC)		4373.1	183400.5	2.4		4787.1	183400.5	2.6	B31.12-IP-19
46(OCC)		4174.2	183400.5	2.3		4535.4	183400.5	2.5	B31.12-IP-19
47(OCC)		4498.2	183400.5	2.5		5013.3	183400.5	2.7	B31.12-IP-19
48(OCC)		4329.0	183400.5	2.4		4862.5	183400.5	2.7	B31.12-IP-19
49(OCC)		4896.9	183400.5	2.7		5259.6	183400.5	2.9	B31.12-IP-19
50(OCC)		4592.7	183400.5	2.5		5069.0	183400.5	2.8	B31.12-IP-19
51(OCC)		4663.2	183400.5	2.5		5016.3	183400.5	2.7	B31.12-IP-19
52(OCC)		4539.4	183400.5	2.5		4953.9	183400.5	2.7	B31.12-IP-19
53(OCC)		4505.9	183400.5	2.5		5101.1	183400.5	2.8	B31.12-IP-19
54(OCC)		4610.7	183400.5	2.5		5076.2	183400.5	2.8	B31.12-IP-19
2(Alt-SUS)	10658	5102.8	137895.1	3.7	10659	5495.4	137895.1	4.0	B31.12-IP-19
4(Alt-SUS)		5105.4	137895.1	3.7		5382.8	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		5102.6	137895.1	3.7		5478.4	137895.1	4.0	B31.12-IP-19
8(Alt-SUS)		5103.0	137895.1	3.7		5502.3	137895.1	4.0	B31.12-IP-19
14(SUS)		5113.8	137895.1	3.7		5441.1	137895.1	3.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		35004.0	339624.0	10.3		58016.5	339235.6	17.1	B31.12-IP-19
25(EXP)		7459.2	339624.0	2.2		11940.8	339235.6	3.5	B31.12-IP-19
26(EXP)		5734.8	339624.0	1.7		9146.3	339235.6	2.7	B31.12-IP-19
27(EXP)		18932.5	339624.0	5.6		30644.2	339235.6	9.0	B31.12-IP-19
28(EXP)		26390.4	339624.0	7.8		42582.6	339235.6	12.6	B31.12-IP-19
42(OCC)		5708.9	183400.5	3.1		5932.1	183400.5	3.2	B31.12-IP-19
43(OCC)		5309.2	183400.5	2.9		5828.4	183400.5	3.2	B31.12-IP-19
44(OCC)		5920.9	183400.5	3.2		6810.1	183400.5	3.7	B31.12-IP-19
45(OCC)		5679.0	183400.5	3.1		6539.3	183400.5	3.6	B31.12-IP-19
46(OCC)		5119.9	183400.5	2.8		5447.3	183400.5	3.0	B31.12-IP-19
47(OCC)		6232.2	183400.5	3.4		6769.5	183400.5	3.7	B31.12-IP-19
48(OCC)		5762.3	183400.5	3.1		6285.8	183400.5	3.4	B31.12-IP-19
49(OCC)		6608.5	183400.5	3.6		7748.7	183400.5	4.2	B31.12-IP-19
50(OCC)		6186.0	183400.5	3.4		6453.8	183400.5	3.5	B31.12-IP-19
51(OCC)		6055.2	183400.5	3.3		6392.3	183400.5	3.5	B31.12-IP-19
52(OCC)		5800.8	183400.5	3.2		6474.4	183400.5	3.5	B31.12-IP-19
53(OCC)		6507.2	183400.5	3.5		7594.2	183400.5	4.1	B31.12-IP-19
54(OCC)		6196.8	183400.5	3.4		7226.4	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	10659	5495.4	137895.1	4.0	10660	4981.8	137895.1	3.6	B31.12-IP-19
4(Alt-SUS)		5382.8	137895.1	3.9		4814.8	137895.1	3.5	B31.12-IP-19
6(Alt-SUS)		5478.4	137895.1	4.0		4955.4	137895.1	3.6	B31.12-IP-19
8(Alt-SUS)		5502.3	137895.1	4.0		4992.8	137895.1	3.6	B31.12-IP-19
14(SUS)		5441.1	137895.1	3.9		4904.0	137895.1	3.6	B31.12-IP-19
24(EXP)		58016.4	339235.6	17.1		65903.9	339745.1	19.4	B31.12-IP-19
25(EXP)		11940.8	339235.6	3.5		12961.6	339745.1	3.8	B31.12-IP-19
26(EXP)		9146.3	339235.6	2.7		10167.1	339745.1	3.0	B31.12-IP-19
27(EXP)		30644.1	339235.6	9.0		33705.4	339745.1	9.9	B31.12-IP-19
28(EXP)		42582.5	339235.6	12.6		46663.7	339745.1	13.7	B31.12-IP-19
42(OCC)		5932.1	183400.5	3.2		5053.4	183400.5	2.8	B31.12-IP-19
43(OCC)		5828.4	183400.5	3.2		5924.5	183400.5	3.2	B31.12-IP-19
44(OCC)		6810.1	183400.5	3.7		6770.9	183400.5	3.7	B31.12-IP-19
45(OCC)		6539.3	183400.5	3.6		6396.0	183400.5	3.5	B31.12-IP-19
46(OCC)		5447.3	183400.5	3.0		4908.3	183400.5	2.7	B31.12-IP-19
47(OCC)		6769.5	183400.5	3.7		5870.4	183400.5	3.2	B31.12-IP-19
48(OCC)		6285.8	183400.5	3.4		6172.5	183400.5	3.4	B31.12-IP-19
49(OCC)		7748.7	183400.5	4.2		8139.9	183400.5	4.4	B31.12-IP-19
50(OCC)		6453.8	183400.5	3.5		5964.2	183400.5	3.3	B31.12-IP-19
51(OCC)		6392.3	183400.5	3.5		5506.5	183400.5	3.0	B31.12-IP-19
52(OCC)		6474.4	183400.5	3.5		6700.0	183400.5	3.7	B31.12-IP-19
53(OCC)		7594.2	183400.5	4.1		7532.3	183400.5	4.1	B31.12-IP-19
54(OCC)		7226.4	183400.5	3.9		7186.4	183400.5	3.9	B31.12-IP-19
2(Alt-SUS)	10660	4546.6	137895.1	3.3	1100	5373.9	137895.1	3.9	B31.12-IP-19
4(Alt-SUS)		4477.1	137895.1	3.2		5311.6	137895.1	3.9	B31.12-IP-19
6(Alt-SUS)		4536.3	137895.1	3.3		5371.2	137895.1	3.9	B31.12-IP-19
8(Alt-SUS)		4551.5	137895.1	3.3		5381.4	137895.1	3.9	B31.12-IP-19
14(SUS)		4513.1	137895.1	3.3		5363.1	137895.1	3.9	B31.12-IP-19
24(EXP)		21649.7	340186.3	6.4		10421.8	339356.4	3.1	B31.12-IP-19
25(EXP)		4168.6	340186.3	1.2		2073.8	339356.4	0.6	B31.12-IP-19
26(EXP)		3213.9	340186.3	0.9		1735.8	339356.4	0.5	B31.12-IP-19
27(EXP)		10830.7	340186.3	3.2		5273.6	339356.4	1.6	B31.12-IP-19
28(EXP)		14998.1	340186.3	4.4		7339.1	339356.4	2.2	B31.12-IP-19
42(OCC)		4584.5	183400.5	2.5		5943.8	183400.5	3.2	B31.12-IP-19
43(OCC)		4881.9	183400.5	2.7		6504.0	183400.5	3.5	B31.12-IP-19
44(OCC)		5221.7	183400.5	2.8		6321.3	183400.5	3.4	B31.12-IP-19
45(OCC)		5085.3	183400.5	2.8		6085.0	183400.5	3.3	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		4514.7	183400.5	2.5		5364.0	183400.5	2.9	B31.12-IP-19
47(OCC)		5192.6	183400.5	2.8		6527.4	183400.5	3.6	B31.12-IP-19
48(OCC)		5174.5	183400.5	2.8		6876.1	183400.5	3.7	B31.12-IP-19
49(OCC)		5838.4	183400.5	3.2		7395.6	183400.5	4.0	B31.12-IP-19
50(OCC)		5221.4	183400.5	2.8		6277.0	183400.5	3.4	B31.12-IP-19
51(OCC)		5043.2	183400.5	2.7		6341.6	183400.5	3.5	B31.12-IP-19
52(OCC)		5389.6	183400.5	2.9		7307.8	183400.5	4.0	B31.12-IP-19
53(OCC)		5640.3	183400.5	3.1		6795.8	183400.5	3.7	B31.12-IP-19
54(OCC)		5545.8	183400.5	3.0		6721.9	183400.5	3.7	B31.12-IP-19
2(Alt-SUS)	10640	69809.5	137895.1	50.6	10690	51774.3	137895.1	37.5	B31.12-IP-19
4(Alt-SUS)		70125.4	137895.1	50.9		51919.2	137895.1	37.7	B31.12-IP-19
6(Alt-SUS)		69823.9	137895.1	50.6		51779.7	137895.1	37.6	B31.12-IP-19
8(Alt-SUS)		69816.8	137895.1	50.6		51776.8	137895.1	37.5	B31.12-IP-19
14(SUS)		69847.4	137895.1	50.7		51789.2	137895.1	37.6	B31.12-IP-19
24(EXP)		33850.7	274612.5	12.3		8093.5	292818.7	2.8	B31.12-IP-19
25(EXP)		9202.0	274612.5	3.4		2195.6	292818.7	0.7	B31.12-IP-19
26(EXP)		6669.9	274612.5	2.4		1583.6	292818.7	0.5	B31.12-IP-19
27(EXP)		23237.8	274612.5	8.5		5544.0	292818.7	1.9	B31.12-IP-19
28(EXP)		32439.7	274612.5	11.8		7739.5	292818.7	2.6	B31.12-IP-19
42(OCC)		70377.2	183400.5	38.4		52017.4	183400.5	28.4	B31.12-IP-19
43(OCC)		70357.8	183400.5	38.4		51993.4	183400.5	28.3	B31.12-IP-19
44(OCC)		70079.9	183400.5	38.2		51932.5	183400.5	28.3	B31.12-IP-19
45(OCC)		70058.9	183400.5	38.2		51918.4	183400.5	28.3	B31.12-IP-19
46(OCC)		69889.2	183400.5	38.1		51808.4	183400.5	28.2	B31.12-IP-19
47(OCC)		90679.5	183400.5	49.4		57486.2	183400.5	31.3	B31.12-IP-19
48(OCC)		85844.2	183400.5	46.8		56414.8	183400.5	30.8	B31.12-IP-19
49(OCC)		84974.9	183400.5	46.3		56873.1	183400.5	31.0	B31.12-IP-19
50(OCC)		81215.1	183400.5	44.3		55462.2	183400.5	30.2	B31.12-IP-19
51(OCC)		86411.7	183400.5	47.1		56879.8	183400.5	31.0	B31.12-IP-19
52(OCC)		91585.7	183400.5	49.9		58167.3	183400.5	31.7	B31.12-IP-19
53(OCC)		81823.8	183400.5	44.6		55692.9	183400.5	30.4	B31.12-IP-19
54(OCC)		85209.6	183400.5	46.5		57065.3	183400.5	31.1	B31.12-IP-19
2(Alt-SUS)	10690	51774.3	137895.1	37.5	10700	39170.9	137895.1	28.4	B31.12-IP-19
4(Alt-SUS)		51919.2	137895.1	37.7		39607.1	137895.1	28.7	B31.12-IP-19
6(Alt-SUS)		51779.7	137895.1	37.6		39186.8	137895.1	28.4	B31.12-IP-19
8(Alt-SUS)		51776.8	137895.1	37.5		39175.3	137895.1	28.4	B31.12-IP-19
14(SUS)		51789.2	137895.1	37.6		39224.1	137895.1	28.4	B31.12-IP-19
24(EXP)		8093.5	292818.7	2.8		12438.7	305130.8	4.1	B31.12-IP-19
25(EXP)		2195.6	292818.7	0.7		3279.2	305130.8	1.1	B31.12-IP-19
26(EXP)		1583.6	292818.7	0.5		2354.6	305130.8	0.8	B31.12-IP-19
27(EXP)		5544.0	292818.7	1.9		8300.4	305130.8	2.7	B31.12-IP-19
28(EXP)		7739.5	292818.7	2.6		11579.3	305130.8	3.8	B31.12-IP-19
42(OCC)		52017.4	183400.5	28.4		39621.8	183400.5	21.6	B31.12-IP-19
43(OCC)		51993.4	183400.5	28.3		39515.3	183400.5	21.5	B31.12-IP-19
44(OCC)		51932.5	183400.5	28.3		39518.0	183400.5	21.5	B31.12-IP-19
45(OCC)		51918.4	183400.5	28.3		39494.7	183400.5	21.5	B31.12-IP-19
46(OCC)		51808.4	183400.5	28.2		39278.2	183400.5	21.4	B31.12-IP-19
47(OCC)		57486.2	183400.5	31.3		46470.4	183400.5	25.3	B31.12-IP-19
48(OCC)		56414.8	183400.5	30.8		44757.6	183400.5	24.4	B31.12-IP-19
49(OCC)		56873.1	183400.5	31.0		45422.9	183400.5	24.8	B31.12-IP-19
50(OCC)		55462.2	183400.5	30.2		43301.8	183400.5	23.6	B31.12-IP-19
51(OCC)		56879.8	183400.5	31.0		45448.7	183400.5	24.8	B31.12-IP-19
52(OCC)		58167.3	183400.5	31.7		47266.7	183400.5	25.8	B31.12-IP-19
53(OCC)		55692.9	183400.5	30.4		43848.5	183400.5	23.9	B31.12-IP-19
54(OCC)		57065.3	183400.5	31.1		46004.4	183400.5	25.1	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	10700	0.0	0.0	0.0	10710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10640	32651.4	137895.1	23.7	11120	26462.1	137895.1	19.2	B31.12-IP-19
4(Alt-SUS)		32531.6	137895.1	23.6		26500.0	137895.1	19.2	B31.12-IP-19
6(Alt-SUS)		32736.3	137895.1	23.7		26430.8	137895.1	19.2	B31.12-IP-19
8(Alt-SUS)		32684.9	137895.1	23.7		26450.2	137895.1	19.2	B31.12-IP-19
14(SUS)		32954.1	137895.1	23.9		26348.6	137895.1	19.1	B31.12-IP-19
24(EXP)		89865.8	311783.8	28.8		26164.8	318237.8	8.2	B31.12-IP-19
25(EXP)		20499.6	311783.8	6.6		6112.9	318237.8	1.9	B31.12-IP-19
26(EXP)		13348.3	311783.8	4.3		4072.9	318237.8	1.3	B31.12-IP-19
27(EXP)		51768.4	311783.8	16.6		15562.0	318237.8	4.9	B31.12-IP-19
28(EXP)		72258.9	311783.8	23.2		21672.2	318237.8	6.8	B31.12-IP-19
42(OCC)		34674.0	183400.5	18.9		27080.5	183400.5	14.8	B31.12-IP-19
43(OCC)		33150.0	183400.5	18.1		26457.3	183400.5	14.4	B31.12-IP-19
44(OCC)		35436.4	183400.5	19.3		27450.5	183400.5	15.0	B31.12-IP-19
45(OCC)		34642.4	183400.5	18.9		27204.3	183400.5	14.8	B31.12-IP-19
46(OCC)		32974.9	183400.5	18.0		26356.1	183400.5	14.4	B31.12-IP-19
47(OCC)		44453.1	183400.5	24.2		29720.7	183400.5	16.2	B31.12-IP-19
48(OCC)		40002.3	183400.5	21.8		29796.9	183400.5	16.2	B31.12-IP-19
49(OCC)		44905.4	183400.5	24.5		34819.0	183400.5	19.0	B31.12-IP-19
50(OCC)		49032.4	183400.5	26.7		37275.8	183400.5	20.3	B31.12-IP-19
51(OCC)		43074.7	183400.5	23.5		31575.4	183400.5	17.2	B31.12-IP-19
52(OCC)		45908.5	183400.5	25.0		28432.9	183400.5	15.5	B31.12-IP-19
53(OCC)		44173.2	183400.5	24.1		36769.2	183400.5	20.0	B31.12-IP-19
54(OCC)		51177.8	183400.5	27.9		36038.7	183400.5	19.7	B31.12-IP-19
2(Alt-SUS)	11120	26462.1	137895.1	19.2	11130	24973.1	137895.1	18.1	B31.12-IP-19
4(Alt-SUS)		26500.0	137895.1	19.2		25050.4	137895.1	18.2	B31.12-IP-19
6(Alt-SUS)		26430.8	137895.1	19.2		24906.6	137895.1	18.1	B31.12-IP-19
8(Alt-SUS)		26450.2	137895.1	19.2		24947.3	137895.1	18.1	B31.12-IP-19
14(SUS)		26348.6	137895.1	19.1		24734.2	137895.1	17.9	B31.12-IP-19
24(EXP)		26164.8	318237.8	8.2		57850.9	319687.4	18.1	B31.12-IP-19
25(EXP)		6112.9	318237.8	1.9		13750.4	319687.4	4.3	B31.12-IP-19
26(EXP)		4072.9	318237.8	1.3		9271.2	319687.4	2.9	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		15562.0	318237.8	4.9		35051.5	319687.4	11.0	B31.12-IP-19
28(EXP)		21672.2	318237.8	6.8		48797.2	319687.4	15.3	B31.12-IP-19
42(OCC)		27080.5	183400.5	14.8		26516.6	183400.5	14.5	B31.12-IP-19
43(OCC)		26457.3	183400.5	14.4		25169.0	183400.5	13.7	B31.12-IP-19
44(OCC)		27450.5	183400.5	15.0		27229.5	183400.5	14.8	B31.12-IP-19
45(OCC)		27204.3	183400.5	14.8		26733.3	183400.5	14.6	B31.12-IP-19
46(OCC)		26356.1	183400.5	14.4		24749.2	183400.5	13.5	B31.12-IP-19
47(OCC)		29720.7	183400.5	16.2		34504.3	183400.5	18.8	B31.12-IP-19
48(OCC)		29796.9	183400.5	16.2		32232.9	183400.5	17.6	B31.12-IP-19
49(OCC)		34819.0	183400.5	19.0		45492.9	183400.5	24.8	B31.12-IP-19
50(OCC)		37275.8	183400.5	20.3		50835.6	183400.5	27.7	B31.12-IP-19
51(OCC)		31575.4	183400.5	17.2		36378.4	183400.5	19.8	B31.12-IP-19
52(OCC)		28432.9	183400.5	15.5		29706.9	183400.5	16.2	B31.12-IP-19
53(OCC)		36769.2	183400.5	20.0		51054.1	183400.5	27.8	B31.12-IP-19
54(OCC)		36038.7	183400.5	19.7		46354.8	183400.5	25.3	B31.12-IP-19
2(Alt-SUS)	11130	0.0	0.0	0.0	10420	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	10230	0.0	0.0	0.0	11190	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11190	44139.4	137895.1	32.0	11200	47823.6	137895.1	34.7	B31.12-IP-19
4(Alt-SUS)		43956.8	137895.1	31.9		47219.4	137895.1	34.2	B31.12-IP-19
6(Alt-SUS)		44132.5	137895.1	32.0		47801.8	137895.1	34.7	B31.12-IP-19
8(Alt-SUS)		44142.3	137895.1	32.0		47825.1	137895.1	34.7	B31.12-IP-19
14(SUS)		44102.1	137895.1	32.0		47728.8	137895.1	34.6	B31.12-IP-19
24(EXP)		9530.7	300595.5	3.2		6819.8	296912.8	2.3	B31.12-IP-19
25(EXP)		2427.3	300595.5	0.8		1849.3	296912.8	0.6	B31.12-IP-19
26(EXP)		1721.7	300595.5	0.6		1297.8	296912.8	0.4	B31.12-IP-19
27(EXP)		6061.6	300595.5	2.0		4669.5	296912.8	1.6	B31.12-IP-19
28(EXP)		8488.8	300595.5	2.8		6518.3	296912.8	2.2	B31.12-IP-19
42(OCC)		44537.9	183400.5	24.3		48214.4	183400.5	26.3	B31.12-IP-19
43(OCC)		44455.5	183400.5	24.2		48147.5	183400.5	26.3	B31.12-IP-19
44(OCC)		44389.4	183400.5	24.2		48028.2	183400.5	26.2	B31.12-IP-19
45(OCC)		44326.5	183400.5	24.2		47999.9	183400.5	26.2	B31.12-IP-19
46(OCC)		44123.8	183400.5	24.1		47798.4	183400.5	26.1	B31.12-IP-19
47(OCC)		54822.5	183400.5	29.9		61130.8	183400.5	33.3	B31.12-IP-19
48(OCC)		52855.7	183400.5	28.8		59234.5	183400.5	32.3	B31.12-IP-19
49(OCC)		53875.1	183400.5	29.4		58749.6	183400.5	32.0	B31.12-IP-19
50(OCC)		50202.7	183400.5	27.4		56604.6	183400.5	30.9	B31.12-IP-19
51(OCC)		54591.5	183400.5	29.8		60899.1	183400.5	33.2	B31.12-IP-19
52(OCC)		56455.7	183400.5	30.8		62755.1	183400.5	34.2	B31.12-IP-19
53(OCC)		50158.7	183400.5	27.3		56169.6	183400.5	30.6	B31.12-IP-19
54(OCC)		53785.5	183400.5	29.3		58191.5	183400.5	31.7	B31.12-IP-19
2(Alt-SUS)	11200	47823.6	137895.1	34.7	11210	42543.4	137895.1	30.9	B31.12-IP-19
4(Alt-SUS)		47219.4	137895.1	34.2		41978.6	137895.1	30.4	B31.12-IP-19
6(Alt-SUS)		47801.9	137895.1	34.7		42522.5	137895.1	30.8	B31.12-IP-19
8(Alt-SUS)		47825.1	137895.1	34.7		42544.0	137895.1	30.9	B31.12-IP-19
14(SUS)		47728.6	137895.1	34.6		42454.3	137895.1	30.8	B31.12-IP-19
24(EXP)		6819.8	296912.8	2.3		5444.6	302193.8	1.8	B31.12-IP-19
25(EXP)		1849.3	296912.8	0.6		1326.3	302193.8	0.4	B31.12-IP-19
26(EXP)		1297.8	296912.8	0.4		908.9	302193.8	0.3	B31.12-IP-19
27(EXP)		4669.5	296912.8	1.6		3382.0	302193.8	1.1	B31.12-IP-19
28(EXP)		6518.3	296912.8	2.2		4707.6	302193.8	1.6	B31.12-IP-19
42(OCC)		48194.3	183400.5	26.3		42823.2	183400.5	23.3	B31.12-IP-19
43(OCC)		48120.0	183400.5	26.2		42713.2	183400.5	23.3	B31.12-IP-19
44(OCC)		48029.0	183400.5	26.2		42744.2	183400.5	23.3	B31.12-IP-19
45(OCC)		47998.3	183400.5	26.2		42722.2	183400.5	23.3	B31.12-IP-19
46(OCC)		47796.3	183400.5	26.1		42518.2	183400.5	23.2	B31.12-IP-19
47(OCC)		61067.6	183400.5	33.3		51460.6	183400.5	28.1	B31.12-IP-19
48(OCC)		58936.4	183400.5	32.1		49857.0	183400.5	27.2	B31.12-IP-19
49(OCC)		58391.5	183400.5	31.8		50245.5	183400.5	27.4	B31.12-IP-19
50(OCC)		57055.9	183400.5	31.1		49372.4	183400.5	26.9	B31.12-IP-19
51(OCC)		59932.3	183400.5	32.7		50795.8	183400.5	27.7	B31.12-IP-19
52(OCC)		61649.5	183400.5	33.6		51922.0	183400.5	28.3	B31.12-IP-19
53(OCC)		56784.3	183400.5	31.0		49094.1	183400.5	26.8	B31.12-IP-19
54(OCC)		57796.5	183400.5	31.5		49739.0	183400.5	27.1	B31.12-IP-19
2(Alt-SUS)	11210	0.0	0.0	0.0	11220	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	11220	0.0	0.0	0.0	10710	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17490	0.0	0.0	0.0	17500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17500	0.0	0.0	0.0	17510	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17510	0.0	0.0	0.0	17520	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17510	0.0	0.0	0.0	17530	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17530	0.0	0.0	0.0	17535	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	17540	2118.0	137895.1	1.5	17550	2126.5	137895.1	1.5	B31.12-IP-19
4(Alt-SUS)		2138.8	137895.1	1.6		2147.8	137895.1	1.6	B31.12-IP-19
6(Alt-SUS)		2119.3	137895.1	1.5		2127.5	137895.1	1.5	B31.12-IP-19
8(Alt-SUS)		2118.1	137895.1	1.5		2126.6	137895.1	1.5	B31.12-IP-19
14(SUS)		2119.8	137895.1	1.5		2127.8	137895.1	1.5	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
24(EXP)		6109.8	342599.1	1.8		5260.9	342590.0	1.5	B31.12-IP-19
25(EXP)		1697.1	342599.1	0.5		1458.9	342590.0	0.4	B31.12-IP-19
26(EXP)		1225.5	342599.1	0.4		1054.5	342590.0	0.3	B31.12-IP-19
27(EXP)		4276.1	342599.1	1.2		3677.4	342590.0	1.1	B31.12-IP-19
28(EXP)		5973.2	342599.1	1.7		5136.3	342590.0	1.5	B31.12-IP-19
42(OCC)		2218.2	183400.5	1.2		2206.3	183400.5	1.2	B31.12-IP-19
43(OCC)		2218.0	183400.5	1.2		2205.9	183400.5	1.2	B31.12-IP-19
44(OCC)		2273.7	183400.5	1.2		2254.9	183400.5	1.2	B31.12-IP-19
45(OCC)		2283.4	183400.5	1.2		2262.8	183400.5	1.2	B31.12-IP-19
46(OCC)		2124.2	183400.5	1.2		2131.2	183400.5	1.2	B31.12-IP-19
47(OCC)		3178.4	183400.5	1.7		2977.1	183400.5	1.6	B31.12-IP-19
48(OCC)		3210.2	183400.5	1.8		3005.0	183400.5	1.6	B31.12-IP-19
49(OCC)		2748.6	183400.5	1.5		2606.2	183400.5	1.4	B31.12-IP-19
50(OCC)		2988.4	183400.5	1.6		2813.5	183400.5	1.5	B31.12-IP-19
51(OCC)		3178.7	183400.5	1.7		2978.3	183400.5	1.6	B31.12-IP-19
52(OCC)		3215.8	183400.5	1.8		3008.4	183400.5	1.6	B31.12-IP-19
53(OCC)		2742.2	183400.5	1.5		2600.2	183400.5	1.4	B31.12-IP-19
54(OCC)		2810.2	183400.5	1.5		2654.0	183400.5	1.4	B31.12-IP-19
2(Alt-SUS)	17550	3700.3	137895.1	2.7	17560	3710.7	137895.1	2.7	B31.12-IP-19
4(Alt-SUS)		3739.5	137895.1	2.7		3752.5	137895.1	2.7	B31.12-IP-19
6(Alt-SUS)		3702.2	137895.1	2.7		3711.9	137895.1	2.7	B31.12-IP-19
8(Alt-SUS)		3700.5	137895.1	2.7		3710.6	137895.1	2.7	B31.12-IP-19
14(SUS)		3702.6	137895.1	2.7		3711.8	137895.1	2.7	B31.12-IP-19
24(EXP)		9787.5	340998.4	2.9		7826.3	340985.3	2.3	B31.12-IP-19
25(EXP)		2714.2	340998.4	0.8		2164.7	340985.3	0.6	B31.12-IP-19
26(EXP)		1961.8	340998.4	0.6		1567.3	340985.3	0.5	B31.12-IP-19
27(EXP)		6841.5	340998.4	2.0		5459.9	340985.3	1.6	B31.12-IP-19
28(EXP)		9555.7	340998.4	2.8		7624.5	340985.3	2.2	B31.12-IP-19
42(OCC)		3848.7	183400.5	2.1		3815.4	183400.5	2.1	B31.12-IP-19
43(OCC)		3847.9	183400.5	2.1		3814.1	183400.5	2.1	B31.12-IP-19
44(OCC)		3939.1	183400.5	2.1		3888.8	183400.5	2.1	B31.12-IP-19
45(OCC)		3953.7	183400.5	2.2		3898.7	183400.5	2.1	B31.12-IP-19
46(OCC)		3708.9	183400.5	2.0		3715.7	183400.5	2.0	B31.12-IP-19
47(OCC)		5280.7	183400.5	2.9		4837.5	183400.5	2.6	B31.12-IP-19
48(OCC)		5331.4	183400.5	2.9		4877.2	183400.5	2.7	B31.12-IP-19
49(OCC)		4590.0	183400.5	2.5		4289.5	183400.5	2.3	B31.12-IP-19
50(OCC)		4974.2	183400.5	2.7		4592.6	183400.5	2.5	B31.12-IP-19
51(OCC)		5282.1	183400.5	2.9		4841.1	183400.5	2.6	B31.12-IP-19
52(OCC)		5339.3	183400.5	2.9		4879.9	183400.5	2.7	B31.12-IP-19
53(OCC)		4579.1	183400.5	2.5		4279.5	183400.5	2.3	B31.12-IP-19
54(OCC)		4679.7	183400.5	2.6		4344.7	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	17560	0.0	0.0	0.0	17570	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	18000	0.0	0.0	0.0	18010	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	18010	0.0	0.0	0.0	18020	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
2(Alt-SUS)	18020	0.0	0.0	0.0	18040	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	18042	1773.8	137895.1	1.3	18045	1789.2	137895.1	1.3	B31.12-IP-19
4(Alt-SUS)		1873.0	137895.1	1.4		1888.7	137895.1	1.4	B31.12-IP-19
6(Alt-SUS)		1774.7	137895.1	1.3		1790.0	137895.1	1.3	B31.12-IP-19
8(Alt-SUS)		1773.8	137895.1	1.3		1789.2	137895.1	1.3	B31.12-IP-19
14(SUS)		1871.0	137895.1	1.4		1886.8	137895.1	1.4	B31.12-IP-19
24(EXP)		6741.4	342864.9	2.0		6566.1	342849.1	1.9	B31.12-IP-19
25(EXP)		1325.2	342864.9	0.4		1290.6	342849.1	0.4	B31.12-IP-19
26(EXP)		923.1	342864.9	0.3		895.0	342849.1	0.3	B31.12-IP-19
27(EXP)		3738.9	342864.9	1.1		3650.6	342849.1	1.1	B31.12-IP-19
28(EXP)		5061.7	342864.9	1.5		4938.5	342849.1	1.4	B31.12-IP-19
42(OCC)		2274.3	183400.5	1.2		2248.7	183400.5	1.2	B31.12-IP-19
43(OCC)		2278.9	183400.5	1.2		2252.8	183400.5	1.2	B31.12-IP-19
44(OCC)		2487.8	183400.5	1.4		2448.4	183400.5	1.3	B31.12-IP-19
45(OCC)		2489.1	183400.5	1.4		2449.7	183400.5	1.3	B31.12-IP-19
46(OCC)		1871.0	183400.5	1.0		1886.8	183400.5	1.0	B31.12-IP-19
47(OCC)		2675.6	183400.5	1.5		2584.2	183400.5	1.4	B31.12-IP-19
48(OCC)		2566.4	183400.5	1.4		2469.0	183400.5	1.3	B31.12-IP-19
49(OCC)		3778.9	183400.5	2.1		3616.5	183400.5	2.0	B31.12-IP-19
50(OCC)		4313.5	183400.5	2.4		4101.0	183400.5	2.2	B31.12-IP-19
51(OCC)		2504.1	183400.5	1.4		2409.8	183400.5	1.3	B31.12-IP-19
52(OCC)		2810.4	183400.5	1.5		2706.1	183400.5	1.5	B31.12-IP-19
53(OCC)		3425.1	183400.5	1.9		3266.5	183400.5	1.8	B31.12-IP-19
54(OCC)		4190.8	183400.5	2.3		4001.5	183400.5	2.2	B31.12-IP-19
2(Alt-SUS)	18045	0.0	0.0	0.0	18050	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	18020	0.0	0.0	0.0	18022	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	18025	2954.0	137895.1	2.1	18027	2775.0	137895.1	2.0	B31.12-IP-19
4(Alt-SUS)		3453.4	137895.1	2.5		3247.7	137895.1	2.4	B31.12-IP-19
6(Alt-SUS)		3028.3	137895.1	2.2		2846.1	137895.1	2.1	B31.12-IP-19
8(Alt-SUS)		2956.3	137895.1	2.1		2777.3	137895.1	2.0	B31.12-IP-19
14(SUS)		3054.6	137895.1	2.2		2871.6	137895.1	2.1	B31.12-IP-19
24(EXP)		18688.8	341284.4	5.5		17592.2	341490.1	5.2	B31.12-IP-19
25(EXP)		6063.4	341284.4	1.8		5691.5	341490.1	1.7	B31.12-IP-19
26(EXP)		3270.3	341284.4	1.0		3069.6	341490.1	0.9	B31.12-IP-19
27(EXP)		10639.7	341284.4	3.1		10008.4	341490.1	2.9	B31.12-IP-19
28(EXP)		16546.5	341284.4	4.8		15549.6	341490.1	4.6	B31.12-IP-19
42(OCC)		3247.4	183400.5	1.8		3064.3	183400.5	1.7	B31.12-IP-19
43(OCC)		3180.5	183400.5	1.7		3000.1	183400.5	1.6	B31.12-IP-19
44(OCC)		3535.0	183400.5	1.9		3310.8	183400.5	1.8	B31.12-IP-19
45(OCC)		3543.5	183400.5	1.9		3318.0	183400.5	1.8	B31.12-IP-19
46(OCC)		3055.0	183400.5	1.7		2872.0	183400.5	1.6	B31.12-IP-19
47(OCC)		3540.3	183400.5	1.9		3276.1	183400.5	1.8	B31.12-IP-19
48(OCC)		4232.1	183400.5	2.3		3948.2	183400.5	2.2	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
49(OCC)		3744.8	183400.5	2.0		3460.5	183400.5	1.9	B31.12-IP-19
50(OCC)		3888.1	183400.5	2.1		3571.1	183400.5	1.9	B31.12-IP-19
51(OCC)		4165.6	183400.5	2.3		3884.1	183400.5	2.1	B31.12-IP-19
52(OCC)		3755.1	183400.5	2.0		3467.0	183400.5	1.9	B31.12-IP-19
53(OCC)		3873.6	183400.5	2.1		3554.2	183400.5	1.9	B31.12-IP-19
54(OCC)		4716.6	183400.5	2.6		4363.7	183400.5	2.4	B31.12-IP-19
2(Alt-SUS)	18027	0.0	0.0	0.0	18030	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	19000	0.0	0.0	0.0	19500	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	19500	0.0	0.0	0.0	19550	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
2(Alt-SUS)	19560	3234.9	137895.1	2.3	19580	3062.7	137895.1	2.2	B31.12-IP-19
4(Alt-SUS)		2593.2	137895.1	1.9		2498.6	137895.1	1.8	B31.12-IP-19
6(Alt-SUS)		3234.8	137895.1	2.3		3062.7	137895.1	2.2	B31.12-IP-19
8(Alt-SUS)		3234.9	137895.1	2.3		3062.7	137895.1	2.2	B31.12-IP-19
14(SUS)		2593.1	137895.1	1.9		2498.4	137895.1	1.8	B31.12-IP-19
24(EXP)		4429.2	341503.0	1.3		4396.5	341675.1	1.3	B31.12-IP-19
25(EXP)		4065.1	341503.0	1.2		3998.7	341675.1	1.2	B31.12-IP-19
26(EXP)		1899.0	341503.0	0.6		1877.3	341675.1	0.5	B31.12-IP-19
27(EXP)		3170.6	341503.0	0.9		3154.0	341675.1	0.9	B31.12-IP-19
28(EXP)		7119.1	341503.0	2.1		7045.4	341675.1	2.1	B31.12-IP-19
42(OCC)		2705.3	183400.5	1.5		2576.4	183400.5	1.4	B31.12-IP-19
43(OCC)		2742.7	183400.5	1.5		2612.9	183400.5	1.4	B31.12-IP-19
44(OCC)		2842.9	183400.5	1.6		2745.0	183400.5	1.5	B31.12-IP-19
45(OCC)		2846.2	183400.5	1.6		2748.2	183400.5	1.5	B31.12-IP-19
46(OCC)		2593.1	183400.5	1.4		2498.4	183400.5	1.4	B31.12-IP-19
47(OCC)		3577.5	183400.5	2.0		3373.5	183400.5	1.8	B31.12-IP-19
48(OCC)		3546.2	183400.5	1.9		3336.6	183400.5	1.8	B31.12-IP-19
49(OCC)		3853.4	183400.5	2.1		3710.8	183400.5	2.0	B31.12-IP-19
50(OCC)		5480.8	183400.5	3.0		5330.6	183400.5	2.9	B31.12-IP-19
51(OCC)		3378.4	183400.5	1.8		3200.0	183400.5	1.7	B31.12-IP-19
52(OCC)		4118.5	183400.5	2.2		3887.9	183400.5	2.1	B31.12-IP-19
53(OCC)		3635.7	183400.5	2.0		3495.4	183400.5	1.9	B31.12-IP-19
54(OCC)		4766.2	183400.5	2.6		4618.8	183400.5	2.5	B31.12-IP-19
2(Alt-SUS)	19580	0.0	0.0	0.0	19600	0.0	0.0	0.0	B31.12-IP-19
4(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
6(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
8(Alt-SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
14(SUS)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
24(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
25(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
26(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
27(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
28(EXP)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
42(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:35
Job Name: 8.1.6 CODE COMPLIANCE
Licensed To: ROSETTI spaLicensed To: ROSETTI spa
CODE COMPLIANCE REPORT: Code Stresses on Elements
Various Load Cases

Load Case	From Node	Code Stress KPa	Allowable Stress KPa	Ratio %	To Node	Code Stress KPa	Allowable Stress KPa	Ratio %	Piping Code
43(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
44(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
45(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
46(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
47(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
48(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
49(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
50(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
51(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
52(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
53(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19
54(OCC)		0.0	0.0	0.0		0.0	0.0	0.0	B31.12-IP-19

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa

1 Load Cases
2 Stress Summary (Legacy)
2 (Alt-SUS) W+P1
4 (Alt-SUS) W+P1
6 (Alt-SUS) W+P1
8 (Alt-SUS) W+P1
14 (SUS) W+P1
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa

LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS
1 (OPE) W+T1+P1
2 (Alt-SUS) W+P1
3 (OPE) W+T2+P1
4 (Alt-SUS) W+P1
5 (OPE) W+T3+P1
6 (Alt-SUS) W+P1
7 (OPE) W+T4+P1
8 (Alt-SUS) W+P1
9 (OPE) W+T3+P1+WIN1
10 (OPE) W+T3+P1+WIN2
11 (OPE) W+T3+P1+WIN3
12 (OPE) W+T3+P1+WIN4
13 (OPE) W+T3+P1+F1
14 (SUS) W+P1
15 (OPE) W+T3
16 (OPE) W+T3+U1+U3
17 (OPE) W+T3-U1+U3
18 (OPE) W+T3+U2+U3
19 (OPE) W+T3-U2+U3
20 (OPE) W+T3+U1-U3
21 (OPE) W+T3-U1-U3
22 (OPE) W+T3+U2-U3
23 (OPE) W+T3-U2-U3
24 (EXP) L24=L1-L14
25 (EXP) L25=L3-L14
26 (EXP) L26=L5-L14
27 (EXP) L27=L7-L14
28 (EXP) L28=L3-L7
29 (OCC) L29=L9-L5
30 (OCC) L30=L10-L5
31 (OCC) L31=L11-L5
32 (OCC) L32=L12-L5
33 (OCC) L33=L13-L5
34 (OCC) L34=L16-L15
35 (OCC) L35=L17-L15
36 (OCC) L36=L18-L15
37 (OCC) L37=L19-L15
38 (OCC) L38=L20-L15
39 (OCC) L39=L21-L15
40 (OCC) L40=L22-L15
41 (OCC) L41=L23-L15
42 (OCC) L42=L29+L14
43 (OCC) L43=L30+L14
44 (OCC) L44=L31+L14
45 (OCC) L45=L32+L14
46 (OCC) L46=L33+L14
47 (OCC) L47=L34+L14
48 (OCC) L48=L35+L14
49 (OCC) L49=L36+L14
50 (OCC) L50=L37+L14
51 (OCC) L51=L38+L14
52 (OCC) L52=L39+L14
53 (OCC) L53=L40+L14
54 (OCC) L54=L41+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa
STRESS SUMMARY (LEGACY) REPORT: Highest Stresses Mini Statement
Various Load Cases

LOAD CASE DEFINITION KEY

CASE 2 (Alt-SUS) W+P1
CASE 4 (Alt-SUS) W+P1
CASE 6 (Alt-SUS) W+P1
CASE 8 (Alt-SUS) W+P1
CASE 14 (SUS) W+P1
CASE 24 (EXP) L24=L1-L14
CASE 25 (EXP) L25=L3-L14
CASE 26 (EXP) L26=L5-L14
CASE 27 (EXP) L27=L7-L14
CASE 28 (EXP) L28=L3-L7
CASE 42 (OCC) L42=L29+L14
CASE 43 (OCC) L43=L30+L14
CASE 44 (OCC) L44=L31+L14
CASE 45 (OCC) L45=L32+L14
CASE 46 (OCC) L46=L33+L14
CASE 47 (OCC) L47=L34+L14
CASE 48 (OCC) L48=L35+L14
CASE 49 (OCC) L49=L36+L14
CASE 50 (OCC) L50=L37+L14
CASE 51 (OCC) L51=L38+L14
CASE 52 (OCC) L52=L39+L14
CASE 53 (OCC) L53=L40+L14
CASE 54 (OCC) L54=L41+L14

Note: This report indicates generic stresses summary. Currently, CAESAR II does not have summary for code-defined stresses.
Piping Code: B31.12-IP-19 = B31.12 IP -2019, December 20, 2019

CODE STRESS CHECK PASSED : LOADCASE 2 (Alt-SUS) W+P1

Highest Stresses: (KPa) LOADCASE 2 (Alt-SUS) W+P1
Ratio (%): 52.9 @Node 2640
Code Stress: 72891.2 Allowable Stress: 137895.1
Axial Stress: 46469.1 @Node 2690
Bending Stress: 47593.6 @Node 2170
Torsion Stress: 2741.2 @Node 6360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100925.1 @Node 10640

CODE STRESS CHECK PASSED : LOADCASE 4 (Alt-SUS) W+P1

Highest Stresses: (KPa) LOADCASE 4 (Alt-SUS) W+P1
Ratio (%): 52.2 @Node 6640
Code Stress: 71990.7 Allowable Stress: 137895.1
Axial Stress: 46462.6 @Node 2690
Bending Stress: 37977.6 @Node 6290
Torsion Stress: 2684.4 @Node 6360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100925.0 @Node 6640

CODE STRESS CHECK PASSED : LOADCASE 6 (Alt-SUS) W+P1

Highest Stresses: (KPa) LOADCASE 6 (Alt-SUS) W+P1
Ratio (%): 51.9 @Node 4640
Code Stress: 71575.2 Allowable Stress: 137895.1
Axial Stress: 46466.0 @Node 10640
Bending Stress: 35859.4 @Node 8290
Torsion Stress: 2653.9 @Node 4360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100925.2 @Node 4640

CODE STRESS CHECK PASSED : LOADCASE 8 (Alt-SUS) W+P1

Highest Stresses: (KPa) LOADCASE 8 (Alt-SUS) W+P1
Ratio (%): 51.9 @Node 4640
Code Stress: 71605.3 Allowable Stress: 137895.1
Axial Stress: 46467.8 @Node 10640
Bending Stress: 35830.7 @Node 8290
Torsion Stress: 2657.3 @Node 4360

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa
STRESS SUMMARY (LEGACY) REPORT: Highest Stresses Mini Statement
Various Load Cases

LOAD CASE DEFINITION KEY
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100925.2 @Node 10640

CODE STRESS CHECK PASSED : LOADCASE 14 (SUS) W+P1

Highest Stresses: (KPa) LOADCASE 14 (SUS) W+P1
Ratio (%): 51.9 @Node 6640
Code Stress: 71568.8 Allowable Stress: 137895.1
Axial Stress: 46462.4 @Node 690
Bending Stress: 36237.7 @Node 8290
Torsion Stress: 2648.4 @Node 4360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100925.2 @Node 4640

CODE STRESS CHECK PASSED : LOADCASE 24 (EXP) L24=L1-L14

Highest Stresses: (KPa) LOADCASE 24 (EXP) L24=L1-L14
Ratio (%): 64.4 @Node 1490
Code Stress: 215418.1 Allowable Stress: 334555.8
Axial Stress: 7977.9 @Node 6330
Bending Stress: 215418.1 @Node 1490
Torsion Stress: 75965.2 @Node 6290
Hoop Stress: 0.0 @Node 30
Max Stress Intensity: 219473.3 @Node 1490

CODE STRESS CHECK PASSED : LOADCASE 25 (EXP) L25=L3-L14

Highest Stresses: (KPa) LOADCASE 25 (EXP) L25=L3-L14
Ratio (%): 18.7 @Node 100
Code Stress: 56372.5 Allowable Stress: 300979.3
Axial Stress: 2492.5 @Node 8170
Bending Stress: 56186.1 @Node 100
Torsion Stress: 18247.2 @Node 6290
Hoop Stress: 0.0 @Node 30
Max Stress Intensity: 57075.4 @Node 100

CODE STRESS CHECK PASSED : LOADCASE 26 (EXP) L26=L5-L14

Highest Stresses: (KPa) LOADCASE 26 (EXP) L26=L5-L14
Ratio (%): 13.2 @Node 100
Code Stress: 39582.6 Allowable Stress: 300979.3
Axial Stress: 1964.0 @Node 170
Bending Stress: 39427.3 @Node 100
Torsion Stress: 13948.8 @Node 6290
Hoop Stress: 0.0 @Node 30
Max Stress Intensity: 40051.0 @Node 100

CODE STRESS CHECK PASSED : LOADCASE 27 (EXP) L27=L7-L14

Highest Stresses: (KPa) LOADCASE 27 (EXP) L27=L7-L14
Ratio (%): 46.8 @Node 100
Code Stress: 140769.2 Allowable Stress: 300979.3
Axial Stress: 5568.1 @Node 6330
Bending Stress: 140274.7 @Node 100
Torsion Stress: 47094.4 @Node 6290
Hoop Stress: 0.0 @Node 30
Max Stress Intensity: 142543.8 @Node 100

CODE STRESS CHECK PASSED : LOADCASE 28 (EXP) L28=L3-L7

Highest Stresses: (KPa) LOADCASE 28 (EXP) L28=L3-L7
Ratio (%): 65.5 @Node 100
Code Stress: 197140.9 Allowable Stress: 300979.3
Axial Stress: 7782.9 @Node 330
Bending Stress: 196460.1 @Node 100
Torsion Stress: 65341.6 @Node 6290
Hoop Stress: 0.0 @Node 30
Max Stress Intensity: 199618.4 @Node 100

CODE STRESS CHECK PASSED : LOADCASE 42 (OCC) L42=L29+L14

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa
STRESS SUMMARY (LEGACY) REPORT: Highest Stresses Mini Statement
Various Load Cases

LOAD CASE DEFINITION KEY
Highest Stresses: (KPa) LOADCASE 42 (OCC) L42=L29+L14
Ratio (%): 39.3 @Node 4640
Code Stress: 72164.3 Allowable Stress: 183400.5
Axial Stress: 46489.1 @Node 10690
Bending Stress: 38089.8 @Node 8290
Torsion Stress: 2728.3 @Node 2360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 101733.1 @Node 640

CODE STRESS CHECK PASSED : LOADCASE 43 (OCC) L43=L30+L14

Highest Stresses: (KPa) LOADCASE 43 (OCC) L43=L30+L14
Ratio (%): 39.4 @Node 2640
Code Stress: 72178.3 Allowable Stress: 183400.5
Axial Stress: 46501.8 @Node 640
Bending Stress: 36815.3 @Node 8290
Torsion Stress: 2661.6 @Node 360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 101779.9 @Node 2640

CODE STRESS CHECK PASSED : LOADCASE 44 (OCC) L44=L31+L14

Highest Stresses: (KPa) LOADCASE 44 (OCC) L44=L31+L14
Ratio (%): 39.7 @Node 2640
Code Stress: 72783.3 Allowable Stress: 183400.5
Axial Stress: 46572.2 @Node 2690
Bending Stress: 45263.0 @Node 1490
Torsion Stress: 3490.8 @Node 9130
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 102553.7 @Node 2640

CODE STRESS CHECK PASSED : LOADCASE 45 (OCC) L45=L32+L14

Highest Stresses: (KPa) LOADCASE 45 (OCC) L45=L32+L14
Ratio (%): 39.5 @Node 2640
Code Stress: 72456.7 Allowable Stress: 183400.5
Axial Stress: 46441.9 @Node 640
Bending Stress: 37390.2 @Node 8290
Torsion Stress: 2822.7 @Node 2360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 102135.6 @Node 2640

CODE STRESS CHECK PASSED : LOADCASE 46 (OCC) L46=L33+L14

Highest Stresses: (KPa) LOADCASE 46 (OCC) L46=L33+L14
Ratio (%): 39.0 @Node 6640
Code Stress: 71612.4 Allowable Stress: 183400.5
Axial Stress: 46462.1 @Node 690
Bending Stress: 37919.9 @Node 8290
Torsion Stress: 2650.9 @Node 4360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 100984.8 @Node 4640

CODE STRESS CHECK PASSED : LOADCASE 47 (OCC) L47=L34+L14

Highest Stresses: (KPa) LOADCASE 47 (OCC) L47=L34+L14
Ratio (%): 51.0 @Node 8640
Code Stress: 93622.5 Allowable Stress: 183400.5
Axial Stress: 46510.6 @Node 10640
Bending Stress: 62797.7 @Node 8640
Torsion Stress: 3568.0 @Node 2360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 130345.8 @Node 8640

CODE STRESS CHECK PASSED : LOADCASE 48 (OCC) L48=L35+L14

Highest Stresses: (KPa) LOADCASE 48 (OCC) L48=L35+L14
Ratio (%): 48.1 @Node 2640
Code Stress: 88232.2 Allowable Stress: 183400.5
Axial Stress: 46454.8 @Node 640
Bending Stress: 65761.0 @Node 8290

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: JUL 9, 2024 Time: 12:40
Job Name: 8.1.7 STRESS SUMMARY
Licensed To: ROSETTI spa
STRESS SUMMARY (LEGACY) REPORT: Highest Stresses Mini Statement
Various Load Cases

LOAD CASE DEFINITION KEY
Torsion Stress: 3091.7 @Node 960
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 123133.0 @Node 2640

CODE STRESS CHECK PASSED : LOADCASE 49 (OCC) L49=L36+L14

Highest Stresses: (KPa) LOADCASE 49 (OCC) L49=L36+L14
Ratio (%): 46.6 @Node 8640
Code Stress: 85383.2 Allowable Stress: 183400.5
Axial Stress: 48671.1 @Node 6690
Bending Stress: 55891.6 @Node 8290
Torsion Stress: 12966.9 @Node 9130
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 120508.0 @Node 8640

CODE STRESS CHECK PASSED : LOADCASE 50 (OCC) L50=L37+L14

Highest Stresses: (KPa) LOADCASE 50 (OCC) L50=L37+L14
Ratio (%): 49.1 @Node 6640
Code Stress: 90015.2 Allowable Stress: 183400.5
Axial Stress: 45206.8 @Node 10630
Bending Stress: 56296.1 @Node 6640
Torsion Stress: 10215.1 @Node 11130
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 125068.0 @Node 6640

CODE STRESS CHECK PASSED : LOADCASE 51 (OCC) L51=L38+L14

Highest Stresses: (KPa) LOADCASE 51 (OCC) L51=L38+L14
Ratio (%): 49.7 @Node 8640
Code Stress: 91117.0 Allowable Stress: 183400.5
Axial Stress: 45937.2 @Node 10640
Bending Stress: 71062.6 @Node 8290
Torsion Stress: 6168.6 @Node 2360
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 126832.5 @Node 8640

CODE STRESS CHECK PASSED : LOADCASE 52 (OCC) L52=L39+L14

Highest Stresses: (KPa) LOADCASE 52 (OCC) L52=L39+L14
Ratio (%): 50.4 @Node 8640
Code Stress: 92388.2 Allowable Stress: 183400.5
Axial Stress: 45928.9 @Node 640
Bending Stress: 60396.7 @Node 4640
Torsion Stress: 3340.2 @Node 2700
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 129803.2 @Node 8640

CODE STRESS CHECK PASSED : LOADCASE 53 (OCC) L53=L40+L14

Highest Stresses: (KPa) LOADCASE 53 (OCC) L53=L40+L14
Ratio (%): 49.8 @Node 2640
Code Stress: 91275.9 Allowable Stress: 183400.5
Axial Stress: 48057.7 @Node 2690
Bending Stress: 59194.4 @Node 8290
Torsion Stress: 15501.7 @Node 11130
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 126782.8 @Node 2640

CODE STRESS CHECK PASSED : LOADCASE 54 (OCC) L54=L41+L14

Highest Stresses: (KPa) LOADCASE 54 (OCC) L54=L41+L14
Ratio (%): 46.7 @Node 6640
Code Stress: 85596.9 Allowable Stress: 183400.5
Axial Stress: 44626.0 @Node 630
Bending Stress: 59924.9 @Node 8290
Torsion Stress: 7527.7 @Node 11130
Hoop Stress: 94880.6 @Node 640
Max Stress Intensity: 120742.7 @Node 6640

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Various Load Cases

LOAD CASE DEFINITION KEY

CASE 5 (OPE) W+T3+P1
CASE 7 (OPE) W+T4+P1
CASE 9 (OPE) W+T3+P1+WIN1
CASE 10 (OPE) W+T3+P1+WIN2
CASE 11 (OPE) W+T3+P1+WIN3
CASE 12 (OPE) W+T3+P1+WIN4
CASE 13 (OPE) W+T3+P1+F1

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
50														
	5(OPE)	Peq	737.1	114.87	138.18	4270.91	25	4140.06	103.16	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2238.6	400.76	138.18	4922.97	60	3896.06	126.36	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	736.7	117.47	138.18	4275.91	25	4140.06	103.28	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	728.73	111.65	138.18	4264.14	25	4140.06	103	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	752.84	100.61	138.18	4244.44	25	4140.06	102.52	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	722.99	130.33	138.18	4299.82	25	4140.06	103.86	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	727.65	114.22	138.18	4269.02	25	4140.06	103.11	*	4"	300#	150%	VERIFIED
	MAX		2238.60/L7	400.76/L7	138.18/L5	4922.97/L7	60.00/L7	4140.06/L5	126.36/L7					
130														
	5(OPE)	Peq	232.42	66.63	138.18	4144.13	25	4140.06	100.1	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	908.91	109.17	138.18	4271.37	60	3896.06	109.63	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	226.93	65.35	138.18	4141.29	25	4140.06	100.03	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	234.96	65.74	138.18	4142.58	25	4140.06	100.06	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	299.98	69.78	138.18	4154.71	25	4140.06	100.35	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	162.94	64.75	138.18	4135.87	25	4140.06	99.9		4"	300#	150%	VERIFIED
	13(OPE)	Peq	228.93	64.87	138.18	4140.5	25	4140.06	100.01	*	4"	300#	150%	VERIFIED
	MAX		908.91/L7	109.17/L7	138.18/L5	4271.37/L7	60.00/L7	4140.06/L5	109.63/L7					
140														
	5(OPE)	Peq	232.42	406.87	138.18	4800.97	25	4140.06	115.96	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	908.91	1316.47	138.18	6602.07	60	3896.06	169.45	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	226.93	405.63	138.18	4798.21	25	4140.06	115.9	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	10(OPE)	Peq	234.96	416.13	138.18	4819.01	25	4140.06	116.4	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	299.98	403.01	138.18	4798.02	25	4140.06	115.89	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	162.94	409.19	138.18	4800.82	25	4140.06	115.96	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	228.93	416.01	138.18	4818.38	25	4140.06	116.38	*	4"	300#	150%	VERIFIED
	MAX		908.91/L7	1316.47/L7	138.18/L5	6602.07/L7	60.00/L7	4140.06/L5	169.45/L7					
190														
	5(OPE)	Peq	1910.74	258.59	138.18	4626.63	25	4140.06	111.75	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2187.68	835.55	138.18	5758.92	60	3896.06	147.81	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1918.64	257.32	138.18	4624.71	25	4140.06	111.71	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1871.59	264.52	138.18	4635.47	25	4140.06	111.97	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1854.92	258.99	138.18	4623.69	25	4140.06	111.68	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1980.78	257.24	138.18	4628.71	25	4140.06	111.8	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1908.14	264.27	138.18	4637.42	25	4140.06	112.01	*	4"	300#	150%	VERIFIED
	MAX		2187.68/L7	835.55/L7	138.18/L5	5758.92/L7	60.00/L7	4140.06/L5	147.81/L7					
230														
	5(OPE)	Peq	1910.74	221.52	138.18	4555.08	25	4140.06	110.02	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2187.68	434.11	138.18	4983.95	60	3896.06	127.92	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1918.64	219.06	138.18	4550.85	25	4140.06	109.92	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1871.59	224.53	138.18	4558.27	25	4140.06	110.1	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1869.88	221.71	138.18	4552.71	25	4140.06	109.97	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1965.82	221.32	138.18	4558.35	25	4140.06	110.1	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1908.14	222.61	138.18	4557	25	4140.06	110.07	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	MAX		2187.68/L7	434.11/L7	138.18/L5	4983.95/L7	60.00/L7	4140.06/L5	127.92/L7					
470														
	5(OPE)	Peq	744.93	61.28	138.18	517.98	25	1590.02	32.58		4"	150#	220%	VERIFIED
	7(OPE)	Peq	135.06	45.59	138.18	447.02	60	1490.02	30		4"	150#	220%	VERIFIED
	9(OPE)	Peq	726.84	54.73	138.18	504.13	25	1590.02	31.71		4"	150#	220%	VERIFIED
	10(OPE)	Peq	712.72	62.08	138.18	517.38	25	1590.02	32.54		4"	150#	220%	VERIFIED
	11(OPE)	Peq	795.3	65.99	138.18	530.43	25	1590.02	33.36		4"	150#	220%	VERIFIED
	12(OPE)	Peq	707.58	59.25	138.18	511.57	25	1590.02	32.17		4"	150#	220%	VERIFIED
	13(OPE)	Peq	745.01	59.37	138.18	514.3	25	1590.02	32.35		4"	150#	220%	VERIFIED
	MAX		795.30/L11	65.99/L11	138.18/L5	530.43/L11	60.00/L7	1590.02/L5	33.36/L11					
480														
	5(OPE)	Peq	55.07	66	138.18	481.08	25	1590.02	30.26		4"	150#	220%	VERIFIED
	7(OPE)	Peq	664.94	124.74	138.18	635.16	60	1490.02	42.63		4"	150#	220%	VERIFIED
	9(OPE)	Peq	73.16	57.39	138.18	465.68	25	1590.02	29.29		4"	150#	220%	VERIFIED
	10(OPE)	Peq	87.28	78.06	138.18	506.52	25	1590.02	31.86		4"	150#	220%	VERIFIED
	11(OPE)	Peq	4.7	58.22	138.18	462.7	25	1590.02	29.1		4"	150#	220%	VERIFIED
	12(OPE)	Peq	92.42	77.62	138.18	506.02	25	1590.02	31.82		4"	150#	220%	VERIFIED
	13(OPE)	Peq	54.99	65.2	138.18	479.53	25	1590.02	30.16		4"	150#	220%	VERIFIED
	MAX		664.94/L7	124.74/L7	138.18/L5	635.16/L7	60.00/L7	1590.02/L5	42.63/L7					
610														
	5(OPE)	Peq	1008.39	480.43	196.09	4357.92	25	4140.06	105.26	*	6"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	7(OPE)	Peq	1286.69	469.01	196.09	4359.42	60	3896.06	111.89	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	1050.22	483.36	196.09	4361.28	25	4140.06	105.34	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	938.72	486.31	196.09	4359.58	25	4140.06	105.3	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	984.15	481.13	196.09	4357.58	25	4140.06	105.25	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1044.46	476.95	196.09	4356.76	25	4140.06	105.23	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	1008.99	480.29	196.09	4357.84	25	4140.06	105.26	*	6"	300#	150%	VERIFIED
	MAX		1286.69/L7	486.31/L10	196.09/L5	4361.28/L9	60.00/L7	4140.06/L5	111.89/L7					
620														
	5(OPE)	Peq	1008.39	1024.81	196.09	4725.64	25	4140.06	114.14	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	1286.69	1187.34	196.09	4844.64	60	3896.06	124.35	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	1050.22	1022.9	196.09	4725.73	25	4140.06	114.15	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	938.72	1030.09	196.09	4726.9	25	4140.06	114.17	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	984.15	1031.18	196.09	4729.14	25	4140.06	114.23	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1044.46	1017.05	196.09	4721.59	25	4140.06	114.05	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	1008.99	1025.67	196.09	4726.24	25	4140.06	114.16	*	6"	300#	150%	VERIFIED
	MAX		1286.69/L7	1187.34/L7	196.09/L5	4844.64/L7	60.00/L7	4140.06/L5	124.35/L7					
1050														
	5(OPE)	Peq	62.64	212.59	138.18	764.59	25	1590.02	48.09		3"	150#	220%	VERIFIED
	7(OPE)	Peq	263.58	401.49	138.18	1142.66	60	1490.02	76.69		3"	150#	220%	VERIFIED
	9(OPE)	Peq	28.56	221.01	138.18	778.56	25	1590.02	48.97		3"	150#	220%	VERIFIED
	10(OPE)	Peq	95.84	203.13	138.18	748.55	25	1590.02	47.08		3"	150#	220%	VERIFIED
	11(OPE)	Peq	45.99	194.74	138.18	729.02	25	1590.02	45.85		3"	150#	220%	VERIFIED
	12(OPE)	Peq	71.24	221.01	138.18	781.41	25	1590.02	49.14		3"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	1970.16	175.31	138.18	819.82	25	1590.02	51.56		3"	150#	220%	VERIFIED
	MAX		1970.16/L13	401.49/L7	138.18/L5	1142.66/L7	60.00/L7	1590.02/L5	76.69/L7					
1220														
	5(OPE)	Peq	1000.2	19.58	138.18	4104.5	25	4140.06	99.14		4"	300#	150%	VERIFIED
	7(OPE)	Peq	1272.25	116.72	138.18	4310.17	60	3896.06	110.63	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1038.09	19.05	138.18	4106	25	4140.06	99.18		4"	300#	150%	VERIFIED
	10(OPE)	Peq	933.81	19.96	138.18	4100.8	25	4140.06	99.05		4"	300#	150%	VERIFIED
	11(OPE)	Peq	954.53	20.29	138.18	4102.82	25	4140.06	99.1		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1058.22	18.99	138.18	4107.24	25	4140.06	99.21		4"	300#	150%	VERIFIED
	13(OPE)	Peq	1000.76	18.73	138.18	4102.91	25	4140.06	99.1		4"	300#	150%	VERIFIED
	MAX		1272.25/L7	116.72/L7	138.18/L5	4310.17/L7	60.00/L7	4140.06/L5	110.63/L7					
710														
	5(OPE)	Peq	1000.2	30.67	138.18	4125.91	25	4140.06	99.66		4"	300#	150%	VERIFIED
	7(OPE)	Peq	1272.25	153.09	138.18	4380.38	60	3896.06	112.43	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1038.09	30.01	138.18	4127.16	25	4140.06	99.69		4"	300#	150%	VERIFIED
	10(OPE)	Peq	933.81	32.26	138.18	4124.55	25	4140.06	99.63		4"	300#	150%	VERIFIED
	11(OPE)	Peq	954.53	29.65	138.18	4120.89	25	4140.06	99.54		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1058.22	31.56	138.18	4131.51	25	4140.06	99.79		4"	300#	150%	VERIFIED
	13(OPE)	Peq	1000.76	31.65	138.18	4127.83	25	4140.06	99.7		4"	300#	150%	VERIFIED
	MAX		1272.25/L7	153.09/L7	138.18/L5	4380.38/L7	60.00/L7	4140.06/L5	112.43/L7					
1285														
	5(OPE)	Peq	727.03	844.21	302.39	515.62	25	1590.02	32.43		10"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	7(OPE)	Peq	1094.25	1196.45	302.39	585.62	60	1490.02	39.3		10"	150#	220%	VERIFIED
	9(OPE)	Peq	902.36	831.41	302.39	515.71	25	1590.02	32.43		10"	150#	220%	VERIFIED
	10(OPE)	Peq	586.44	875.6	302.39	519.45	25	1590.02	32.67		10"	150#	220%	VERIFIED
	11(OPE)	Peq	833.36	857.46	302.39	519.55	25	1590.02	32.68		10"	150#	220%	VERIFIED
	12(OPE)	Peq	618.26	830.92	302.39	511.66	25	1590.02	32.18		10"	150#	220%	VERIFIED
	13(OPE)	Peq	727.04	844.21	302.39	515.62	25	1590.02	32.43		10"	150#	220%	VERIFIED
	MAX		1094.25/L7	1196.45/L7	302.39/L5	585.62/L7	60.00/L7	1590.02/L5	39.30/L7					
1315														
	5(OPE)	Peq	723.34	896.55	302.39	525.21	25	1590.02	33.03		10"	150#	220%	VERIFIED
	7(OPE)	Peq	1090.56	1164.59	302.39	579.7	60	1490.02	38.91		10"	150#	220%	VERIFIED
	9(OPE)	Peq	898.67	893.8	302.39	527.15	25	1590.02	33.15		10"	150#	220%	VERIFIED
	10(OPE)	Peq	582.75	927.79	302.39	529.01	25	1590.02	33.27		10"	150#	220%	VERIFIED
	11(OPE)	Peq	829.66	908.13	302.39	528.83	25	1590.02	33.26		10"	150#	220%	VERIFIED
	12(OPE)	Peq	614.56	885.05	302.39	521.58	25	1590.02	32.8		10"	150#	220%	VERIFIED
	13(OPE)	Peq	723.34	896.55	302.39	525.21	25	1590.02	33.03		10"	150#	220%	VERIFIED
	MAX		1090.56/L7	1164.59/L7	302.39/L5	579.70/L7	60.00/L7	1590.02/L5	38.91/L7					
1376														
	5(OPE)	Peq	514.87	60.25	111.13	1276.68	25	1590.02	80.29		3"	150#	220%	VERIFIED
	7(OPE)	Peq	84.5	269.55	111.13	2009.13	60	1490.02	134.84	*	3"	150#	220%	VERIFIED
	9(OPE)	Peq	538.02	72.18	111.13	1323.36	25	1590.02	83.23		3"	150#	220%	VERIFIED
	10(OPE)	Peq	491.49	48.19	111.13	1229.51	25	1590.02	77.33		3"	150#	220%	VERIFIED
	11(OPE)	Peq	514.76	92.3	111.13	1395.62	25	1590.02	87.77		3"	150#	220%	VERIFIED
	12(OPE)	Peq	505.93	110.58	111.13	1462.58	25	1590.02	91.98		3"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	505.7	26.2	111.13	1149.37	25	1590.02	72.29		3"	150#	220%	VERIFIED
	MAX		538.02/L9	269.55/L7	111.13/L5	2009.13/L7	60.00/L7	1590.02/L5	134.84/L7					
1392														
	5(OPE)	Peq	381.66	49.76	138.18	1121.51	25	1590.02	70.53		4"	150#	220%	VERIFIED
	7(OPE)	Peq	48.71	235.93	138.18	1458.72	60	1490.02	97.9		4"	150#	220%	VERIFIED
	9(OPE)	Peq	404.81	62.88	138.18	1148.38	25	1590.02	72.22		4"	150#	220%	VERIFIED
	10(OPE)	Peq	358.28	40.82	138.18	1102.7	25	1590.02	69.35		4"	150#	220%	VERIFIED
	11(OPE)	Peq	381.55	100.03	138.18	1218.56	25	1590.02	76.64		4"	150#	220%	VERIFIED
	12(OPE)	Peq	372.72	72.4	138.18	1164.62	25	1590.02	73.25		4"	150#	220%	VERIFIED
	13(OPE)	Peq	372.49	30.51	138.18	1083.75	25	1590.02	68.16		4"	150#	220%	VERIFIED
	MAX		404.81/L9	235.93/L7	138.18/L5	1458.72/L7	60.00/L7	1590.02/L5	97.90/L7					
1396														
	5(OPE)	Peq	418.34	59.01	138.18	1141.82	25	1590.02	71.81		4"	150#	220%	VERIFIED
	7(OPE)	Peq	848.71	236.82	138.18	1513.79	60	1490.02	101.6	*	4"	150#	220%	VERIFIED
	9(OPE)	Peq	395.19	63.63	138.18	1149.19	25	1590.02	72.27		4"	150#	220%	VERIFIED
	10(OPE)	Peq	441.72	61.35	138.18	1147.9	25	1590.02	72.19		4"	150#	220%	VERIFIED
	11(OPE)	Peq	418.45	108.34	138.18	1237.05	25	1590.02	77.8		4"	150#	220%	VERIFIED
	12(OPE)	Peq	427.28	28.43	138.18	1083.39	25	1590.02	68.14		4"	150#	220%	VERIFIED
	13(OPE)	Peq	427.51	57.33	138.18	1139.19	25	1590.02	71.65		4"	150#	220%	VERIFIED
	MAX		848.71/L7	236.82/L7	138.18/L5	1513.79/L7	60.00/L7	1590.02/L5	101.60/L7					
2050														

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	5(OPE)	Peq	745.72	114.98	138.18	4271.7	25	4140.06	103.18	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2230.39	408.08	138.18	4936.55	60	3896.06	126.71	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	733.51	117.96	138.18	4276.65	25	4140.06	103.3	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	727.74	114.26	138.18	4269.11	25	4140.06	103.12	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	770.33	98.71	138.18	4241.93	25	4140.06	102.46	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	721.29	130.7	138.18	4300.42	25	4140.06	103.87	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	736.6	114.77	138.18	4270.69	25	4140.06	103.16	*	4"	300#	150%	VERIFIED
	MAX		2230.39/L7	408.08/L7	138.18/L5	4936.55/L7	60.00/L7	4140.06/L5	126.71/L7					
2130														
	5(OPE)	Peq	220.22	64.76	138.18	4139.7	25	4140.06	99.99		4"	300#	150%	VERIFIED
	7(OPE)	Peq	765.5	161.6	138.18	4363.02	60	3896.06	111.99	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	204.17	59.62	138.18	4128.72	25	4140.06	99.73		4"	300#	150%	VERIFIED
	10(OPE)	Peq	206.56	59.5	138.18	4128.64	25	4140.06	99.72		4"	300#	150%	VERIFIED
	11(OPE)	Peq	302.89	72.95	138.18	4161.02	25	4140.06	100.51	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	142.63	58.93	138.18	4123.28	25	4140.06	99.59		4"	300#	150%	VERIFIED
	13(OPE)	Peq	215.11	63.11	138.18	4136.18	25	4140.06	99.91		4"	300#	150%	VERIFIED
	MAX		765.50/L7	161.60/L7	138.18/L5	4363.02/L7	60.00/L7	4140.06/L5	111.99/L7					
2140														
	5(OPE)	Peq	220.22	390.82	138.18	4769.17	25	4140.06	115.2	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	765.5	1250.63	138.18	6465.4	60	3896.06	165.95	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	204.17	397.74	138.18	4781.46	25	4140.06	115.49	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	206.56	404.25	138.18	4794.18	25	4140.06	115.8	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	302.89	384.44	138.18	4762.36	25	4140.06	115.03	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	12(OPE)	Peq	142.63	399.75	138.18	4781.22	25	4140.06	115.49	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	215.11	399.06	138.18	4784.74	25	4140.06	115.57	*	4"	300#	150%	VERIFIED
	MAX		765.50/L7	1250.63/L7	138.18/L5	6465.40/L7	60.00/L7	4140.06/L5	165.95/L7					
2190														
	5(OPE)	Peq	1760.81	245.13	138.18	4590.66	25	4140.06	110.88	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1310.81	782.2	138.18	5597.46	60	3896.06	143.67	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1792.82	247.44	138.18	4597.25	25	4140.06	111.04	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1891.77	251.79	138.18	4612.23	25	4140.06	111.4	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1662.64	246.64	138.18	4587.02	25	4140.06	110.8	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1952.84	245.78	138.18	4604.71	25	4140.06	111.22	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1762.87	250.21	138.18	4600.59	25	4140.06	111.12	*	4"	300#	150%	VERIFIED
	MAX		1952.84/L12	782.20/L7	138.18/L5	5597.46/L7	60.00/L7	4140.06/L5	143.67/L7					
2230														
	5(OPE)	Peq	1760.81	208.72	138.18	4520.35	25	4140.06	109.19	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1310.81	404.19	138.18	4867.71	60	3896.06	124.94	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1792.82	204.35	138.18	4514.06	25	4140.06	109.03	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1891.77	209.47	138.18	4530.54	25	4140.06	109.43	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1677.59	215.26	138.18	4527.43	25	4140.06	109.36	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1937.88	204.82	138.18	4524.65	25	4140.06	109.29	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1762.87	209.71	138.18	4522.41	25	4140.06	109.24	*	4"	300#	150%	VERIFIED
	MAX		1937.88/L12	404.19/L7	138.18/L5	4867.71/L7	60.00/L7	4140.06/L5	124.94/L7					

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
2470														
	5(OPE)	Peq	793.27	63.26	138.18	525.02	25	1590.02	33.02		4"	150#	220%	VERIFIED
	7(OPE)	Peq	393.77	56.03	138.18	484.43	60	1490.02	32.51		4"	150#	220%	VERIFIED
	9(OPE)	Peq	720.31	53.81	138.18	501.91	25	1590.02	31.57		4"	150#	220%	VERIFIED
	10(OPE)	Peq	732.59	65.72	138.18	525.72	25	1590.02	33.06		4"	150#	220%	VERIFIED
	11(OPE)	Peq	869.8	70.64	138.18	544.37	25	1590.02	34.24		4"	150#	220%	VERIFIED
	12(OPE)	Peq	715.62	61.58	138.18	516.6	25	1590.02	32.49		4"	150#	220%	VERIFIED
	13(OPE)	Peq	795.83	61.67	138.18	522.13	25	1590.02	32.84		4"	150#	220%	VERIFIED
	MAX		869.80/L11	70.64/L11	138.18/L5	544.37/L11	60.00/L7	1590.02/L5	34.24/L11					
2480														
	5(OPE)	Peq	6.73	57.6	138.18	461.64	25	1590.02	29.03		4"	150#	220%	VERIFIED
	7(OPE)	Peq	406.23	139.49	138.18	646.37	60	1490.02	43.38		4"	150#	220%	VERIFIED
	9(OPE)	Peq	79.69	62.82	138.18	476.58	25	1590.02	29.97		4"	150#	220%	VERIFIED
	10(OPE)	Peq	67.41	84.25	138.18	517.14	25	1590.02	32.52		4"	150#	220%	VERIFIED
	11(OPE)	Peq	69.8	44.93	138.18	441.39	25	1590.02	27.76		4"	150#	220%	VERIFIED
	12(OPE)	Peq	84.38	85.53	138.18	520.75	25	1590.02	32.75		4"	150#	220%	VERIFIED
	13(OPE)	Peq	4.17	56.99	138.18	460.29	25	1590.02	28.95		4"	150#	220%	VERIFIED
	MAX		406.23/L7	139.49/L7	138.18/L5	646.37/L7	60.00/L7	1590.02/L5	43.38/L7					
2610														
	5(OPE)	Peq	902.83	513.52	196.09	4376.77	25	4140.06	105.72	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	502.22	668.88	196.09	4468.45	60	3896.06	114.69	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	968.04	489.98	196.09	4363.03	25	4140.06	105.39	*	6"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	10(OPE)	Peq	1000.49	485.04	196.09	4360.77	25	4140.06	105.33	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	733.79	590.11	196.09	4422.91	25	4140.06	106.83	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1041.31	459.24	196.09	4344.69	25	4140.06	104.94	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	903.97	513.3	196.09	4376.66	25	4140.06	105.71	*	6"	300#	150%	VERIFIED
	MAX		1041.31/L12	668.88/L7	196.09/L5	4468.45/L7	60.00/L7	4140.06/L5	114.69/L7					
2620														
	5(OPE)	Peq	902.83	1014.05	196.09	4714.88	25	4140.06	113.88	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	502.22	1199.32	196.09	4826.75	60	3896.06	123.89	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	968.04	1000.57	196.09	4707.93	25	4140.06	113.72	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	1000.49	1005.57	196.09	4712.38	25	4140.06	113.82	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	733.79	1054.11	196.09	4736.33	25	4140.06	114.4	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1041.31	984.14	196.09	4699.26	25	4140.06	113.51	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	903.97	1014.83	196.09	4715.44	25	4140.06	113.9	*	6"	300#	150%	VERIFIED
	MAX		1041.31/L12	1199.32/L7	196.09/L5	4826.75/L7	60.00/L7	4140.06/L5	123.89/L7					
3220														
	5(OPE)	Peq	895.19	21.6	196.09	4044.23	25	4140.06	97.69		4"	300#	150%	VERIFIED
	7(OPE)	Peq	487.49	103.05	196.09	4085.75	60	3896.06	104.87	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	957.44	19.06	196.09	4044.58	25	4140.06	97.69		4"	300#	150%	VERIFIED
	10(OPE)	Peq	996.48	20.28	196.09	4046.7	25	4140.06	97.74		4"	300#	150%	VERIFIED
	11(OPE)	Peq	701.38	26.37	196.09	4041.04	25	4140.06	97.61		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1057.76	18.32	196.09	4047.4	25	4140.06	97.76		4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	896.26	20.54	196.09	4043.55	25	4140.06	97.67		4"	300#	150%	VERIFIED
	MAX		1057.76/L12	103.05/L7	196.09/L5	4085.75/L7	60.00/L7	4140.06/L5	104.87/L7					
2710														
	5(OPE)	Peq	895.19	28.51	196.09	4048.9	25	4140.06	97.8		4"	300#	150%	VERIFIED
	7(OPE)	Peq	487.49	136.69	196.09	4108.48	60	3896.06	105.45	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	957.44	28.38	196.09	4050.88	25	4140.06	97.85		4"	300#	150%	VERIFIED
	10(OPE)	Peq	996.48	30.38	196.09	4053.52	25	4140.06	97.91		4"	300#	150%	VERIFIED
	11(OPE)	Peq	701.38	28.42	196.09	4042.42	25	4140.06	97.64		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1057.76	29.73	196.09	4055.11	25	4140.06	97.95		4"	300#	150%	VERIFIED
	13(OPE)	Peq	896.26	29.2	196.09	4049.41	25	4140.06	97.81		4"	300#	150%	VERIFIED
	MAX		1057.76/L12	136.69/L7	196.09/L5	4108.48/L7	60.00/L7	4140.06/L5	105.45/L7					
4050														
	5(OPE)	Peq	737.35	114.88	138.18	4270.95	25	4140.06	103.16	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2242.25	401.23	138.18	4924.12	60	3896.06	126.39	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	736.92	117.65	138.18	4276.26	25	4140.06	103.29	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	726.32	111.69	138.18	4264.05	25	4140.06	102.99	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	753.99	100.07	138.18	4243.46	25	4140.06	102.5	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	721.6	131	138.18	4301.02	25	4140.06	103.89	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	727.91	114.23	138.18	4269.06	25	4140.06	103.12	*	4"	300#	150%	VERIFIED
	MAX		2242.25/L7	401.23/L7	138.18/L5	4924.12/L7	60.00/L7	4140.06/L5	126.39/L7					
4130														

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	5(OPE)	Peq	232.24	66.71	138.18	4144.27	25	4140.06	100.1	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	905.21	109.36	138.18	4271.5	60	3896.06	109.64	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	227.22	65.46	138.18	4141.53	25	4140.06	100.04	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	233.34	65.09	138.18	4141.23	25	4140.06	100.03	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	302.06	69.85	138.18	4154.98	25	4140.06	100.36	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	160.63	64.78	138.18	4135.78	25	4140.06	99.9		4"	300#	150%	VERIFIED
	13(OPE)	Peq	228.75	64.95	138.18	4140.64	25	4140.06	100.01	*	4"	300#	150%	VERIFIED
	MAX		905.21/L7	109.36/L7	138.18/L5	4271.50/L7	60.00/L7	4140.06/L5	109.64/L7					
4140														
	5(OPE)	Peq	232.24	406.54	138.18	4800.31	25	4140.06	115.95	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	905.21	1311.08	138.18	6591.42	60	3896.06	169.18	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	227.22	405.6	138.18	4798.17	25	4140.06	115.9	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	233.34	418.09	138.18	4822.68	25	4140.06	116.49	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	302.06	401.92	138.18	4796.05	25	4140.06	115.84	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	160.63	410.64	138.18	4803.46	25	4140.06	116.02	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	228.75	415.68	138.18	4817.72	25	4140.06	116.37	*	4"	300#	150%	VERIFIED
	MAX		905.21/L7	1311.08/L7	138.18/L5	6591.42/L7	60.00/L7	4140.06/L5	169.18/L7					
4190														
	5(OPE)	Peq	1909.17	258.48	138.18	4626.31	25	4140.06	111.74	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2103.52	831.85	138.18	5746.18	60	3896.06	147.49	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1924.18	257.43	138.18	4625.28	25	4140.06	111.72	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1883.53	265.74	138.18	4638.63	25	4140.06	112.04	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1836.67	258.43	138.18	4621.38	25	4140.06	111.63	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	12(OPE)	Peq	2015.54	258.24	138.18	4632.95	25	4140.06	111.91	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1906.55	264.16	138.18	4637.11	25	4140.06	112.01	*	4"	300#	150%	VERIFIED
	MAX		2103.52/L7	831.85/L7	138.18/L5	5746.18/L7	60.00/L7	4140.06/L5	147.49/L7					
4230														
	5(OPE)	Peq	1909.17	221.7	138.18	4555.31	25	4140.06	110.03	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2103.52	431.51	138.18	4973.31	60	3896.06	127.65	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1924.18	219.31	138.18	4551.69	25	4140.06	109.94	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1883.53	225.08	138.18	4560.14	25	4140.06	110.15	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1852.3	221.65	138.18	4551.42	25	4140.06	109.94	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1999.91	221.98	138.18	4561.9	25	4140.06	110.19	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1906.55	222.78	138.18	4557.23	25	4140.06	110.08	*	4"	300#	150%	VERIFIED
	MAX		2103.52/L7	431.51/L7	138.18/L5	4973.31/L7	60.00/L7	4140.06/L5	127.65/L7					
4470														
	5(OPE)	Peq	745.9	61.23	138.18	517.94	25	1590.02	32.57		4"	150#	220%	VERIFIED
	7(OPE)	Peq	156.69	44.31	138.18	445.99	60	1490.02	29.93		4"	150#	220%	VERIFIED
	9(OPE)	Peq	727.32	54.67	138.18	504.05	25	1590.02	31.7		4"	150#	220%	VERIFIED
	10(OPE)	Peq	702.52	61.63	138.18	515.83	25	1590.02	32.44		4"	150#	220%	VERIFIED
	11(OPE)	Peq	800.69	66.48	138.18	531.74	25	1590.02	33.44		4"	150#	220%	VERIFIED
	12(OPE)	Peq	701.06	58.77	138.18	510.21	25	1590.02	32.09		4"	150#	220%	VERIFIED
	13(OPE)	Peq	745.93	59.31	138.18	514.25	25	1590.02	32.34		4"	150#	220%	VERIFIED
	MAX		800.69/L11	66.48/L11	138.18/L5	531.74/L11	60.00/L7	1590.02/L5	33.44/L11					

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
4480														
	5(OPE)	Peq	54.1	65.42	138.18	479.9	25	1590.02	30.18		4"	150#	220%	VERIFIED
	7(OPE)	Peq	643.31	122.74	138.18	629.86	60	1490.02	42.27		4"	150#	220%	VERIFIED
	9(OPE)	Peq	72.68	57.33	138.18	465.52	25	1590.02	29.28		4"	150#	220%	VERIFIED
	10(OPE)	Peq	97.48	80.13	138.18	511.19	25	1590.02	32.15		4"	150#	220%	VERIFIED
	11(OPE)	Peq	0.69	57.75	138.18	461.53	25	1590.02	29.03		4"	150#	220%	VERIFIED
	12(OPE)	Peq	98.94	78.38	138.18	507.9	25	1590.02	31.94		4"	150#	220%	VERIFIED
	13(OPE)	Peq	54.07	64.62	138.18	478.35	25	1590.02	30.08		4"	150#	220%	VERIFIED
	MAX		643.31/L7	122.74/L7	138.18/L5	629.86/L7	60.00/L7	1590.02/L5	42.27/L7					
4610														
	5(OPE)	Peq	1004.83	485.65	196.09	4361.32	25	4140.06	105.34	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	1213.24	478.35	196.09	4363.29	60	3896.06	111.99	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	1055.9	481.87	196.09	4360.46	25	4140.06	105.32	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	949.29	485.94	196.09	4359.68	25	4140.06	105.3	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	965.66	489.22	196.09	4362.44	25	4140.06	105.37	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1074.9	470.69	196.09	4353.54	25	4140.06	105.16	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	1005.44	485.51	196.09	4361.25	25	4140.06	105.34	*	6"	300#	150%	VERIFIED
	MAX		1213.24/L7	489.22/L11	196.09/L5	4363.29/L7	60.00/L7	4140.06/L5	111.99/L7					
4620														
	5(OPE)	Peq	1004.83	1026.71	196.09	4726.8	25	4140.06	114.17	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	1213.24	1192.58	196.09	4845.75	60	3896.06	124.38	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	1055.9	1022.82	196.09	4725.87	25	4140.06	114.15	*	6"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	10(OPE)	Peq	949.29	1030.77	196.09	4727.71	25	4140.06	114.19	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	965.66	1034.19	196.09	4730.56	25	4140.06	114.26	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1074.9	1015.74	196.09	4721.71	25	4140.06	114.05	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	1005.44	1027.57	196.09	4727.4	25	4140.06	114.19	*	6"	300#	150%	VERIFIED
	MAX		1213.24/L7	1192.58/L7	196.09/L5	4845.75/L7	60.00/L7	4140.06/L5	124.38/L7					
5220														
	5(OPE)	Peq	996.38	19.79	196.09	4046.36	25	4140.06	97.74		4"	300#	150%	VERIFIED
	7(OPE)	Peq	1196.27	115.67	196.09	4117.75	60	3896.06	105.69	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1043.72	18.92	196.09	4047.34	25	4140.06	97.76		4"	300#	150%	VERIFIED
	10(OPE)	Peq	944.29	19.83	196.09	4044.67	25	4140.06	97.7		4"	300#	150%	VERIFIED
	11(OPE)	Peq	934.5	20.78	196.09	4044.98	25	4140.06	97.7		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1089.94	18.57	196.09	4048.63	25	4140.06	97.79		4"	300#	150%	VERIFIED
	13(OPE)	Peq	996.96	18.93	196.09	4045.8	25	4140.06	97.72		4"	300#	150%	VERIFIED
	MAX		1196.27/L7	115.67/L7	196.09/L5	4117.75/L7	60.00/L7	4140.06/L5	105.69/L7					
4710														
	5(OPE)	Peq	996.38	30.63	196.09	4053.68	25	4140.06	97.91		4"	300#	150%	VERIFIED
	7(OPE)	Peq	1196.27	151.91	196.09	4142.22	60	3896.06	106.32	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1043.72	29.98	196.09	4054.81	25	4140.06	97.94		4"	300#	150%	VERIFIED
	10(OPE)	Peq	944.29	32.49	196.09	4053.22	25	4140.06	97.9		4"	300#	150%	VERIFIED
	11(OPE)	Peq	934.5	29.53	196.09	4050.89	25	4140.06	97.85		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1089.94	31.74	196.09	4057.53	25	4140.06	98.01		4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	996.96	31.6	196.09	4054.36	25	4140.06	97.93		4"	300#	150%	VERIFIED
	MAX		1196.27/L7	151.91/L7	196.09/L5	4142.22/L7	60.00/L7	4140.06/L5	106.32/L7					
6050														
	5(OPE)	Peq	740.5	115.25	138.18	4271.87	25	4140.06	103.18	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2259.82	406.47	138.18	4935.4	60	3896.06	126.68	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	736.86	117.59	138.18	4276.14	25	4140.06	103.29	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	722.92	113.84	138.18	4267.99	25	4140.06	103.09	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	764.3	99.69	138.18	4243.42	25	4140.06	102.5	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	721.64	131.57	138.18	4302.12	25	4140.06	103.91	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	731.54	115.07	138.18	4270.92	25	4140.06	103.16	*	4"	300#	150%	VERIFIED
	MAX		2259.82/L7	406.47/L7	138.18/L5	4935.40/L7	60.00/L7	4140.06/L5	126.68/L7					
6130														
	5(OPE)	Peq	212.9	61.72	138.18	4133.34	25	4140.06	99.84		4"	300#	150%	VERIFIED
	7(OPE)	Peq	825.23	129	138.18	4304.07	60	3896.06	110.47	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	206.71	60.07	138.18	4129.76	25	4140.06	99.75		4"	300#	150%	VERIFIED
	10(OPE)	Peq	203.24	57.49	138.18	4124.54	25	4140.06	99.63		4"	300#	150%	VERIFIED
	11(OPE)	Peq	291.36	68.99	138.18	4152.63	25	4140.06	100.3	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	138.96	59.38	138.18	4123.9	25	4140.06	99.61		4"	300#	150%	VERIFIED
	13(OPE)	Peq	207.78	60.15	138.18	4129.97	25	4140.06	99.76		4"	300#	150%	VERIFIED
	MAX		825.23/L7	129.00/L7	138.18/L5	4304.07/L7	60.00/L7	4140.06/L5	110.47/L7					
6140														

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	5(OPE)	Peq	212.9	392.44	138.18	4771.8	25	4140.06	115.26	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	825.23	1255.06	138.18	6477.94	60	3896.06	166.27	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	206.71	394.36	138.18	4775.09	25	4140.06	115.34	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	203.24	407.15	138.18	4799.55	25	4140.06	115.93	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	291.36	385.31	138.18	4763.28	25	4140.06	115.05	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	138.96	398.75	138.18	4779.07	25	4140.06	115.43	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	207.78	400.57	138.18	4787.16	25	4140.06	115.63	*	4"	300#	150%	VERIFIED
	MAX		825.23/L7	1255.06/L7	138.18/L5	6477.94/L7	60.00/L7	4140.06/L5	166.27/L7					
6190														
	5(OPE)	Peq	1794.03	244.81	138.18	4592.24	25	4140.06	110.92	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1695.21	780.77	138.18	5620.33	60	3896.06	144.26	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1773.78	245.47	138.18	4592.17	25	4140.06	110.92	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1913.3	253.19	138.18	4616.39	25	4140.06	111.51	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1590.27	245.61	138.18	4580.19	25	4140.06	110.63	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1924.02	245.74	138.18	4602.71	25	4140.06	111.17	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1792.48	249.79	138.18	4601.75	25	4140.06	111.15	*	4"	300#	150%	VERIFIED
	MAX		1924.02/L12	780.77/L7	138.18/L5	5620.33/L7	60.00/L7	4140.06/L5	144.26/L7					
6230														
	5(OPE)	Peq	1794.03	205.76	138.18	4516.87	25	4140.06	109.1	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1695.21	390.63	138.18	4867.16	60	3896.06	124.93	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1773.78	203.54	138.18	4511.22	25	4140.06	108.97	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1913.3	209.06	138.18	4531.18	25	4140.06	109.45	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	11(OPE)	Peq	1605.89	211.17	138.18	4514.76	25	4140.06	109.05	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1908.39	206.14	138.18	4525.23	25	4140.06	109.3	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1792.48	206.75	138.18	4518.66	25	4140.06	109.14	*	4"	300#	150%	VERIFIED
	MAX		1913.30/L10	390.63/L7	138.18/L5	4867.16/L7	60.00/L7	4140.06/L5	124.93/L7					
6470														
	5(OPE)	Peq	776.27	63.11	138.18	523.6	25	1590.02	32.93		4"	150#	220%	VERIFIED
	7(OPE)	Peq	305.86	66.5	138.18	498.78	60	1490.02	33.47		4"	150#	220%	VERIFIED
	9(OPE)	Peq	737.05	54.48	138.18	504.33	25	1590.02	31.72		4"	150#	220%	VERIFIED
	10(OPE)	Peq	712.56	65.23	138.18	523.44	25	1590.02	32.92		4"	150#	220%	VERIFIED
	11(OPE)	Peq	849.84	67.75	138.18	537.46	25	1590.02	33.8		4"	150#	220%	VERIFIED
	12(OPE)	Peq	717.2	60.91	138.18	515.42	25	1590.02	32.42		4"	150#	220%	VERIFIED
	13(OPE)	Peq	779.66	61.65	138.18	521.01	25	1590.02	32.77		4"	150#	220%	VERIFIED
	MAX		849.84/L11	67.75/L11	138.18/L5	537.46/L11	60.00/L7	1590.02/L5	33.80/L11					
6480														
	5(OPE)	Peq	23.73	65.85	138.18	478.7	25	1590.02	30.11		4"	150#	220%	VERIFIED
	7(OPE)	Peq	494.15	145.43	138.18	663.71	60	1490.02	44.54		4"	150#	220%	VERIFIED
	9(OPE)	Peq	62.95	60.78	138.18	471.53	25	1590.02	29.66		4"	150#	220%	VERIFIED
	10(OPE)	Peq	87.44	88.61	138.18	526.88	25	1590.02	33.14		4"	150#	220%	VERIFIED
	11(OPE)	Peq	49.84	44.66	138.18	439.55	25	1590.02	27.64		4"	150#	220%	VERIFIED
	12(OPE)	Peq	82.8	83.43	138.18	516.59	25	1590.02	32.49		4"	150#	220%	VERIFIED
	13(OPE)	Peq	20.34	65.2	138.18	477.22	25	1590.02	30.01		4"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	MAX		494.15/L7	145.43/L7	138.18/L5	663.71/L7	60.00/L7	1590.02/L5	44.54/L7					
6610														
	5(OPE)	Peq	927.33	498.76	196.09	4367.61	25	4140.06	105.5	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	942.72	533.25	196.09	4391.42	60	3896.06	112.71	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	942.86	498.72	196.09	4368.1	25	4140.06	105.51	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	1005.66	488.72	196.09	4363.42	25	4140.06	105.4	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	774.15	564.3	196.09	4406.81	25	4140.06	106.44	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1011.53	481.01	196.09	4358.41	25	4140.06	105.27	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	928.21	498.66	196.09	4367.58	25	4140.06	105.5	*	6"	300#	150%	VERIFIED
	MAX		1011.53/L12	564.30/L11	196.09/L5	4406.81/L11	60.00/L7	4140.06/L5	112.71/L7					
6620														
	5(OPE)	Peq	927.33	1004.18	196.09	4709.02	25	4140.06	113.74	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	942.72	1121.77	196.09	4788.96	60	3896.06	122.92	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	942.86	1001.62	196.09	4707.8	25	4140.06	113.71	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	1005.66	1005.45	196.09	4712.47	25	4140.06	113.83	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	774.15	1040.03	196.09	4728.16	25	4140.06	114.21	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	1011.53	992.62	196.09	4704	25	4140.06	113.62	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	928.21	1004.99	196.09	4709.6	25	4140.06	113.76	*	6"	300#	150%	VERIFIED
	MAX		1011.53/L12	1121.77/L7	196.09/L5	4788.96/L7	60.00/L7	4140.06/L5	122.92/L7					
7220														
	5(OPE)	Peq	921.29	20.65	196.09	4044.46	25	4140.06	97.69		4"	300#	150%	VERIFIED
	7(OPE)	Peq	932.68	108	196.09	4103.83	60	3896.06	105.33	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	9(OPE)	Peq	932.58	19.49	196.09	4044.05	25	4140.06	97.68		4"	300#	150%	VERIFIED
	10(OPE)	Peq	1001.87	20.07	196.09	4046.73	25	4140.06	97.75		4"	300#	150%	VERIFIED
	11(OPE)	Peq	742.47	24.74	196.09	4041.29	25	4140.06	97.61		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1028.38	18.98	196.09	4046.87	25	4140.06	97.75		4"	300#	150%	VERIFIED
	13(OPE)	Peq	922.12	19.64	196.09	4043.8	25	4140.06	97.67		4"	300#	150%	VERIFIED
	MAX		1028.38/L12	108.00/L7	196.09/L5	4103.83/L7	60.00/L7	4140.06/L5	105.33/L7					
6710														
	5(OPE)	Peq	921.29	28.43	196.09	4049.71	25	4140.06	97.82		4"	300#	150%	VERIFIED
	7(OPE)	Peq	932.68	139.69	196.09	4125.25	60	3896.06	105.88	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	932.58	27.9	196.09	4049.73	25	4140.06	97.82		4"	300#	150%	VERIFIED
	10(OPE)	Peq	1001.87	30.58	196.09	4053.83	25	4140.06	97.92		4"	300#	150%	VERIFIED
	11(OPE)	Peq	742.47	27.88	196.09	4043.42	25	4140.06	97.67		4"	300#	150%	VERIFIED
	12(OPE)	Peq	1028.38	29.59	196.09	4054.04	25	4140.06	97.92		4"	300#	150%	VERIFIED
	13(OPE)	Peq	922.12	29.13	196.09	4050.21	25	4140.06	97.83		4"	300#	150%	VERIFIED
	MAX		1028.38/L12	139.69/L7	196.09/L5	4125.25/L7	60.00/L7	4140.06/L5	105.88/L7					
8050														
	5(OPE)	Peq	697.13	109.46	138.18	4257.8	25	4140.06	102.84	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2271.36	399.67	138.18	4923.05	60	3896.06	126.36	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	697.22	112.25	138.18	4263.2	25	4140.06	102.97	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	687.63	108.98	138.18	4256.25	25	4140.06	102.81	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	711.42	93.71	138.18	4228.35	25	4140.06	102.13	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	684.08	126.16	138.18	4289.18	25	4140.06	103.6	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	687.92	108.89	138.18	4256.1	25	4140.06	102.8	*	4"	300#	150%	VERIFIED
	MAX		2271.36/L7	399.67/L7	138.18/L5	4923.05/L7	60.00/L7	4140.06/L5	126.36/L7					
8130														
	5(OPE)	Peq	202.67	53.56	138.18	4116.92	25	4140.06	99.44		4"	300#	150%	VERIFIED
	7(OPE)	Peq	836.6	130.16	138.18	4307.06	60	3896.06	110.55	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	197.34	52.99	138.18	4115.46	25	4140.06	99.41		4"	300#	150%	VERIFIED
	10(OPE)	Peq	195.61	51.63	138.18	4112.72	25	4140.06	99.34		4"	300#	150%	VERIFIED
	11(OPE)	Peq	270.31	55.26	138.18	4124.71	25	4140.06	99.63		4"	300#	150%	VERIFIED
	12(OPE)	Peq	131.77	52.78	138.18	4110.68	25	4140.06	99.29		4"	300#	150%	VERIFIED
	13(OPE)	Peq	198.99	51.92	138.18	4113.5	25	4140.06	99.36		4"	300#	150%	VERIFIED
	MAX		836.60/L7	130.16/L7	138.18/L5	4307.06/L7	60.00/L7	4140.06/L5	110.55/L7					
8140														
	5(OPE)	Peq	202.67	433.36	138.18	4850.12	25	4140.06	117.15	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	836.6	1234.3	138.18	6438.63	60	3896.06	165.26	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	197.34	432.93	138.18	4848.93	25	4140.06	117.12	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	195.61	440.53	138.18	4863.5	25	4140.06	117.47	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	270.31	429.85	138.18	4847.86	25	4140.06	117.1	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	131.77	434.61	138.18	4847.81	25	4140.06	117.1	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	198.99	442.53	138.18	4867.58	25	4140.06	117.57	*	4"	300#	150%	VERIFIED
	MAX		836.60/L7	1234.30/L7	138.18/L5	6438.63/L7	60.00/L7	4140.06/L5	165.26/L7					
8190														

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	5(OPE)	Peq	1653.81	268.17	138.18	4627.99	25	4140.06	111.79	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1154.6	762.34	138.18	5548.71	60	3896.06	142.42	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1591.12	267.58	138.18	4622.67	25	4140.06	111.66	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1750.18	272.22	138.18	4642.25	25	4140.06	112.13	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1517.12	268.66	138.18	4619.82	25	4140.06	111.59	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1772.81	266.01	138.18	4631.77	25	4140.06	111.88	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1649.84	273.87	138.18	4638.73	25	4140.06	112.04	*	4"	300#	150%	VERIFIED
	MAX		1772.81/L12	762.34/L7	138.18/L5	5548.71/L7	60.00/L7	4140.06/L5	142.42/L7					
8230														
	5(OPE)	Peq	1653.81	203.2	138.18	4502.57	25	4140.06	108.76	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	1154.6	362.04	138.18	4775.92	60	3896.06	122.58	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1591.12	200.77	138.18	4493.69	25	4140.06	108.54	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1750.18	205.85	138.18	4514.12	25	4140.06	109.04	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1532.73	202.72	138.18	4493.58	25	4140.06	108.54	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1757.19	202.99	138.18	4509.06	25	4140.06	108.91	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1649.84	204.26	138.18	4504.36	25	4140.06	108.8	*	4"	300#	150%	VERIFIED
	MAX		1757.19/L12	362.04/L7	138.18/L5	4775.92/L7	60.00/L7	4140.06/L5	122.58/L7					
8470														
	5(OPE)	Peq	856.79	29.48	138.18	464.04	25	1590.02	29.18		4"	150#	220%	VERIFIED
	7(OPE)	Peq	590.02	18.9	138.18	425.83	60	1490.02	28.58		4"	150#	220%	VERIFIED
	9(OPE)	Peq	817.57	20.52	138.18	444.13	25	1590.02	27.93		4"	150#	220%	VERIFIED
	10(OPE)	Peq	826.61	34.96	138.18	472.61	25	1590.02	29.72		4"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	11(OPE)	Peq	911.68	32.61	138.18	473.75	25	1590.02	29.8		4"	150#	220%	VERIFIED
	12(OPE)	Peq	818.21	29.23	138.18	460.99	25	1590.02	28.99		4"	150#	220%	VERIFIED
	13(OPE)	Peq	858.53	27.57	138.18	460.48	25	1590.02	28.96		4"	150#	220%	VERIFIED
	MAX		911.68/L11	34.96/L10	138.18/L5	473.75/L11	60.00/L7	1590.02/L5	29.80/L11					
8480														
	5(OPE)	Peq	56.79	32.43	138.18	416.39	25	1590.02	26.19		4"	150#	220%	VERIFIED
	7(OPE)	Peq	209.98	71.27	138.18	501.6	60	1490.02	33.66		4"	150#	220%	VERIFIED
	9(OPE)	Peq	17.57	30.4	138.18	409.86	25	1590.02	25.78		4"	150#	220%	VERIFIED
	10(OPE)	Peq	26.61	55.05	138.18	458.04	25	1590.02	28.81		4"	150#	220%	VERIFIED
	11(OPE)	Peq	111.68	18.66	138.18	393.46	25	1590.02	24.75		4"	150#	220%	VERIFIED
	12(OPE)	Peq	18.21	48.99	138.18	445.79	25	1590.02	28.04		4"	150#	220%	VERIFIED
	13(OPE)	Peq	58.53	31.77	138.18	415.23	25	1590.02	26.11		4"	150#	220%	VERIFIED
	MAX		209.98/L7	71.27/L7	138.18/L5	501.60/L7	60.00/L7	1590.02/L5	33.66/L7					
8610														
	5(OPE)	Peq	842.54	569.91	196.09	4412.87	25	4140.06	106.59	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	486.6	807.71	196.09	4561.71	60	3896.06	117.09	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	819.77	568.84	196.09	4411.39	25	4140.06	106.55	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	909.59	565.82	196.09	4412.32	25	4140.06	106.58	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	750.98	603.11	196.09	4432.26	25	4140.06	107.06	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	926.34	552.46	196.09	4403.85	25	4140.06	106.37	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	843.31	569.92	196.09	4412.9	25	4140.06	106.59	*	6"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	MAX		926.34/L12	807.71/L7	196.09/L5	4561.71/L7	60.00/L7	4140.06/L5	117.09/L7					
8620														
	5(OPE)	Peq	842.54	1016.79	196.09	4714.73	25	4140.06	113.88	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	486.6	1153.78	196.09	4795.48	60	3896.06	123.09	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	819.77	1013.75	196.09	4711.92	25	4140.06	113.81	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	909.59	1018.69	196.09	4718.23	25	4140.06	113.97	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	750.98	1032.88	196.09	4722.57	25	4140.06	114.07	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	926.34	1004.3	196.09	4709.06	25	4140.06	113.74	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	843.31	1017.67	196.09	4715.35	25	4140.06	113.9	*	6"	300#	150%	VERIFIED
	MAX		926.34/L12	1153.78/L7	196.09/L5	4795.48/L7	60.00/L7	4140.06/L5	123.09/L7					
9220														
	5(OPE)	Peq	834.07	19.66	196.09	4040.9	25	4140.06	97.6		4"	300#	150%	VERIFIED
	7(OPE)	Peq	467.34	104.64	196.09	4086.16	60	3896.06	104.88	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	808.35	18.6	196.09	4039.33	25	4140.06	97.57		4"	300#	150%	VERIFIED
	10(OPE)	Peq	903.27	20.26	196.09	4043.59	25	4140.06	97.67		4"	300#	150%	VERIFIED
	11(OPE)	Peq	717.39	21.33	196.09	4038.16	25	4140.06	97.54		4"	300#	150%	VERIFIED
	12(OPE)	Peq	941.96	18.97	196.09	4044	25	4140.06	97.68		4"	300#	150%	VERIFIED
	13(OPE)	Peq	834.8	19.19	196.09	4040.61	25	4140.06	97.6		4"	300#	150%	VERIFIED
	MAX		941.96/L12	104.64/L7	196.09/L5	4086.16/L7	60.00/L7	4140.06/L5	104.88/L7					
8710														
	5(OPE)	Peq	834.07	32.44	196.09	4049.53	25	4140.06	97.81		4"	300#	150%	VERIFIED
	7(OPE)	Peq	467.34	133.56	196.09	4105.7	60	3896.06	105.38	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	808.35	31.71	196.09	4048.19	25	4140.06	97.78		4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	10(OPE)	Peq	903.27	33.92	196.09	4052.83	25	4140.06	97.89		4"	300#	150%	VERIFIED
	11(OPE)	Peq	717.39	31.6	196.09	4045.1	25	4140.06	97.71		4"	300#	150%	VERIFIED
	12(OPE)	Peq	941.96	33.23	196.09	4053.64	25	4140.06	97.91		4"	300#	150%	VERIFIED
	13(OPE)	Peq	834.8	33.41	196.09	4050.21	25	4140.06	97.83		4"	300#	150%	VERIFIED
	MAX		941.96/L12	133.56/L7	196.09/L5	4105.70/L7	60.00/L7	4140.06/L5	105.38/L7					
10050														
	5(OPE)	Peq	795.89	112.64	138.18	4270.53	25	4140.06	103.15	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	2400.51	388.91	138.18	4910.88	60	3896.06	126.05	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	792.49	114.66	138.18	4274.2	25	4140.06	103.24	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	791.84	111.61	138.18	4268.27	25	4140.06	103.1	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	799.3	97.86	138.18	4242.22	25	4140.06	102.47	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	780.75	126.89	138.18	4297.03	25	4140.06	103.79	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	787.06	111.97	138.18	4268.64	25	4140.06	103.11	*	4"	300#	150%	VERIFIED
	MAX		2400.51/L7	388.91/L7	138.18/L5	4910.88/L7	60.00/L7	4140.06/L5	126.05/L7					
10130														
	5(OPE)	Peq	250.09	79.82	138.18	4170.77	25	4140.06	100.74	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	953.16	75.59	138.18	4209.5	60	3896.06	108.04	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	246.62	79.14	138.18	4169.23	25	4140.06	100.7	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	246.99	77.62	138.18	4166.31	25	4140.06	100.63	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	306.86	79.69	138.18	4174.3	25	4140.06	100.83	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	188.28	78.32	138.18	4163.75	25	4140.06	100.57	*	4"	300#	150%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	13(OPE)	Peq	247.06	78.18	138.18	4167.4	25	4140.06	100.66	*	4"	300#	150%	VERIFIED
	MAX		953.16/L7	79.82/L5	138.18/L5	4209.50/L7	60.00/L7	4140.06/L5	108.04/L7					
10140														
	5(OPE)	Peq	250.09	352.68	138.18	4697.53	25	4140.06	113.47	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	953.16	1172.69	138.18	6327.46	60	3896.06	162.41	*	4"	300#	150%	ASME VIII div.1 check
	9(OPE)	Peq	246.62	354.49	138.18	4700.79	25	4140.06	113.54	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	246.99	355.55	138.18	4702.86	25	4140.06	113.59	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	306.86	358.2	138.18	4711.98	25	4140.06	113.81	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	188.28	357.42	138.18	4702.55	25	4140.06	113.59	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	247.06	360.13	138.18	4711.71	25	4140.06	113.81	*	4"	300#	150%	VERIFIED
	MAX		953.16/L7	1172.69/L7	138.18/L5	6327.46/L7	60.00/L7	4140.06/L5	162.41/L7					
10190														
	5(OPE)	Peq	1474.25	223.46	138.18	4529.71	25	4140.06	109.41	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	314.17	740.97	138.18	5451.41	60	3896.06	139.92	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1395.85	225.07	138.18	4527.58	25	4140.06	109.36	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1580.56	224.41	138.18	4538.62	25	4140.06	109.63	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1348.33	228.57	138.18	4531.17	25	4140.06	109.45	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1598.69	224.81	138.18	4540.62	25	4140.06	109.68	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1471.52	228.3	138.18	4538.88	25	4140.06	109.63	*	4"	300#	150%	VERIFIED
	MAX		1598.69/L12	740.97/L7	138.18/L5	5451.41/L7	60.00/L7	4140.06/L5	139.92/L7					
10230														

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	5(OPE)	Peq	1474.25	207.89	138.18	4499.65	25	4140.06	108.69	*	4"	300#	150%	VERIFIED
	7(OPE)	Peq	314.17	380.36	138.18	4755.25	60	3896.06	122.05	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	1395.85	207.14	138.18	4492.98	25	4140.06	108.52	*	4"	300#	150%	VERIFIED
	10(OPE)	Peq	1580.56	209.61	138.18	4510.06	25	4140.06	108.94	*	4"	300#	150%	VERIFIED
	11(OPE)	Peq	1363.28	207.36	138.18	4491.22	25	4140.06	108.48	*	4"	300#	150%	VERIFIED
	12(OPE)	Peq	1583.74	209.39	138.18	4509.84	25	4140.06	108.93	*	4"	300#	150%	VERIFIED
	13(OPE)	Peq	1471.52	208.93	138.18	4501.48	25	4140.06	108.73	*	4"	300#	150%	VERIFIED
	MAX		1583.74/L12	380.36/L7	138.18/L5	4755.25/L7	60.00/L7	4140.06/L5	122.05/L7					
10470														
	5(OPE)	Peq	813.24	84.27	138.18	566.92	25	1590.02	35.65		4"	150#	220%	VERIFIED
	7(OPE)	Peq	649.43	81.48	138.18	550.62	60	1490.02	36.95		4"	150#	220%	VERIFIED
	9(OPE)	Peq	778.41	75.38	138.18	547.44	25	1590.02	34.43		4"	150#	220%	VERIFIED
	10(OPE)	Peq	825.22	89.9	138.18	578.59	25	1590.02	36.39		4"	150#	220%	VERIFIED
	11(OPE)	Peq	798.63	82.29	138.18	562.12	25	1590.02	35.35		4"	150#	220%	VERIFIED
	12(OPE)	Peq	770.5	77.86	138.18	551.7	25	1590.02	34.7		4"	150#	220%	VERIFIED
	13(OPE)	Peq	816.55	82.88	138.18	564.46	25	1590.02	35.5		4"	150#	220%	VERIFIED
	MAX		825.22/L10	89.90/L10	138.18/L5	578.59/L10	60.00/L7	1590.02/L5	36.95/L7					
10480														
	5(OPE)	Peq	13.24	49.07	138.18	445.61	25	1590.02	28.03		4"	150#	220%	VERIFIED
	7(OPE)	Peq	150.57	118.77	138.18	589.33	60	1490.02	39.55		4"	150#	220%	VERIFIED
	9(OPE)	Peq	21.59	33.76	138.18	416.62	25	1590.02	26.2		4"	150#	220%	VERIFIED
	10(OPE)	Peq	25.22	64.32	138.18	475.85	25	1590.02	29.93		4"	150#	220%	VERIFIED
	11(OPE)	Peq	1.37	56.09	138.18	458.37	25	1590.02	28.83		4"	150#	220%	VERIFIED

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
	12(OPE)	Peq	29.5	43.79	138.18	436.51	25	1590.02	27.45		4"	150#	220%	VERIFIED
	13(OPE)	Peq	16.55	48.59	138.18	444.9	25	1590.02	27.98		4"	150#	220%	VERIFIED
	MAX		150.57/L7	118.77/L7	138.18/L5	589.33/L7	60.00/L7	1590.02/L5	39.55/L7					
10610														
	5(OPE)	Peq	621.35	696.66	196.09	4491.16	25	4140.06	108.48	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	384.35	1270.82	196.09	4871.15	60	3896.06	125.03	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	573.38	693.67	196.09	4487.55	25	4140.06	108.39	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	694.43	686.53	196.09	4486.74	25	4140.06	108.37	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	531.55	722.52	196.09	4505.65	25	4140.06	108.83	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	705.62	675.46	196.09	4479.63	25	4140.06	108.2	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	622.05	696.63	196.09	4491.17	25	4140.06	108.48	*	6"	300#	150%	VERIFIED
	MAX		705.62/L12	1270.82/L7	196.09/L5	4871.15/L7	60.00/L7	4140.06/L5	125.03/L7					
10620														
	5(OPE)	Peq	621.35	1066.49	196.09	4740.98	25	4140.06	114.51	*	6"	300#	150%	VERIFIED
	7(OPE)	Peq	384.35	1320.74	196.09	4904.87	60	3896.06	125.89	*	6"	300#	150%	VERIFIED
	9(OPE)	Peq	573.38	1065.49	196.09	4738.71	25	4140.06	114.46	*	6"	300#	150%	VERIFIED
	10(OPE)	Peq	694.43	1065.31	196.09	4742.6	25	4140.06	114.55	*	6"	300#	150%	VERIFIED
	11(OPE)	Peq	531.55	1079.2	196.09	4746.59	25	4140.06	114.65	*	6"	300#	150%	VERIFIED
	12(OPE)	Peq	705.62	1055.38	196.09	4736.26	25	4140.06	114.4	*	6"	300#	150%	VERIFIED
	13(OPE)	Peq	622.05	1067.32	196.09	4741.56	25	4140.06	114.53	*	6"	300#	150%	VERIFIED
	MAX		705.62/L12	1320.74/L7	196.09/L5	4904.87/L7	60.00/L7	4140.06/L5	125.89/L7					

CAESAR II Ver.14.00.00.0910, (Build 231113) Date: OCT 17, 2024 Time: 10:49
Job: Annex 8.1.8 FLANGE LEAKAGE CHECK
Licensed To: ROSETTI spa
PEQ METHOD SUMMARY REPORT

Node	Load Case	Method	Axial Force N.	Bending Moment N.m.	G mm.	P Equivalent KPa	Rating Temperature C	Allowable Pressure KPa	Ratio %		Flange NPS	Flange Rating	New Ratio (UG-44)	Check (UG-44)
11220														
	5(OPE)	Peq	608.35	33.72	196.09	4042.92	25	4140.06	97.65		4"	300#	150%	VERIFIED
	7(OPE)	Peq	417.94	97.57	196.09	4079.75	60	3896.06	104.71	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	557.82	32.19	196.09	4040.22	25	4140.06	97.59		4"	300#	150%	VERIFIED
	10(OPE)	Peq	683.64	34.21	196.09	4045.74	25	4140.06	97.72		4"	300#	150%	VERIFIED
	11(OPE)	Peq	495.27	34.72	196.09	4039.85	25	4140.06	97.58		4"	300#	150%	VERIFIED
	12(OPE)	Peq	715.89	31.3	196.09	4044.85	25	4140.06	97.7		4"	300#	150%	VERIFIED
	13(OPE)	Peq	609.02	32.44	196.09	4042.08	25	4140.06	97.63		4"	300#	150%	VERIFIED
	MAX		715.89/L12	97.57/L7	196.09/L5	4079.75/L7	60.00/L7	4140.06/L5	104.71/L7					
10710														
	5(OPE)	Peq	608.35	28.74	196.09	4039.56	25	4140.06	97.57		4"	300#	150%	VERIFIED
	7(OPE)	Peq	417.94	126.31	196.09	4099.16	60	3896.06	105.21	*	4"	300#	150%	VERIFIED
	9(OPE)	Peq	557.82	27.56	196.09	4037.09	25	4140.06	97.51		4"	300#	150%	VERIFIED
	10(OPE)	Peq	683.64	29.88	196.09	4042.82	25	4140.06	97.65		4"	300#	150%	VERIFIED
	11(OPE)	Peq	495.27	29.21	196.09	4036.13	25	4140.06	97.49		4"	300#	150%	VERIFIED
	12(OPE)	Peq	715.89	28.58	196.09	4043.01	25	4140.06	97.66		4"	300#	150%	VERIFIED
	13(OPE)	Peq	609.02	28.77	196.09	4039.6	25	4140.06	97.57		4"	300#	150%	VERIFIED
	MAX		715.89/L12	126.31/L7	196.09/L5	4099.16/L7	60.00/L7	4140.06/L5	105.21/L7					

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

Input Echo, 107/537 Item 1, Description: New WRC 107/537

Diameter Basis for Vessel	Vbasis	OD	
Cylindrical or Spherical Vessel	Cylsph	Cylindrical	
Internal Corrosion Allowance	Cas	0.0000	mm.
Vessel Diameter	Dv	2888.000	mm.
Vessel Thickness	Tv	44.000	mm.
Vessel Node Number		****	
Design Temperature		60.00	C
Vessel Material		SA-516 60	
Vessel Cold S.I. Allowable	Smc	117900.34	KPa
Vessel Hot S.I. Allowable	Smh	117900.34	KPa

Note: Using 2 * Yield for Discontinuity Stress Allowable (UG-23(e)), Sps.
Make sure that material properties at this temperature are not time-dependent for Material: SA-516 60

Attachment Type	Type	Round	
Diameter Basis for Nozzle	Nbasis	OD	
Corrosion Allowance for Nozzle	Can	0.0000	mm.
Nozzle Diameter	Dn	171.600	mm.
Nozzle Thickness	Tn	35.000	mm.
Nozzle Material		SA-516 60	
Nozzle Cold S.I. Allowable	SNmc	117900.34	KPa
Nozzle Hot S.I. Allowable	SNmh	117900.34	KPa
Nozzle Node Number		7540	
Design Internal Pressure	Dp	3000.000	KPa
Include Pressure Thrust		No	
Vessel Centerline Direction Cosine	Vx	0.000	
Vessel Centerline Direction Cosine	Vy	1.000	
Vessel Centerline Direction Cosine	Vz	0.000	
Nozzle Centerline Direction Cosine	Nx	0.000	
Nozzle Centerline Direction Cosine	Ny	0.000	
Nozzle Centerline Direction Cosine	Nz	1.000	
Global Force (SUS)	Fx	-3.4	N.
Global Force (SUS)	Fy	-736.0	N.
Global Force (SUS)	Fz	3.7	N.
Global Moment (SUS)	Mx	-2.5	N.m.
Global Moment (SUS)	My	-0.3	N.m.
Global Moment (SUS)	Mz	2.8	N.m.
Internal Pressure (SUS)	P	3000.00	KPa
Include Pressure Thrust		No	
Global Force (EXP)	Fx	2453.5	N.
Global Force (EXP)	Fy	-2109.3	N.
Global Force (EXP)	Fz	-198.8	N.
Global Moment (EXP)	Mx	264.7	N.m.
Global Moment (EXP)	My	749.6	N.m.
Global Moment (EXP)	Mz	-1687.9	N.m.

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

```
Use Interactive Control                          No
WRC107 Version                          Version  March 1979 ( B1 & B2 )

Include Pressure Stress Indices per Div. 2              No
Compute Pressure Stress per WRC-368                     No

 Note:
 WRC Bulletin 537 provides equations for the dimensionless curves
 found in bulletin 107.  As noted in the foreword to bulletin 537,
 "537 is equivalent to WRC 107".  Where 107 is printed in the
 results below, "537" can be interchanged with "107".

Stress Attenuation Diameter (for Insert Plates) per WRC 297:
 = NozzleOD + 2 * 1.65 * sqrt( Rmean( t - ca ) )
 = 171.600 + 2 * 1.65 * sqrt( 1422.000 ( 44.000 - 0.000 ) )
 = 997.049 mm.

WRC 107 Stress Calculation for SUStained loads:
Radial Load                                  P          3.7   N.
Circumferential Shear                       VC         -3.4   N.
Longitudinal Shear                          VL       -736.0   N.
Circumferential Moment                      MC          0.3   N.m.
Longitudinal Moment                         ML         -2.5   N.m.
Torsional Moment                            MT         -2.8   N.m.

Dimensionless Parameters used :   Gamma =   32.32

Dimensionless Loads for Cylindrical Shells at Attachment Junction:
-------------------------------------------------------------------
Curves read for 1979 B1/B2        Beta  Figure    Value   Location
-------------------------------------------------------------------
N(PHI) / ( P/Rm )                0.053   4C        6.088   (A,B)
N(PHI) / ( P/Rm )                0.053   3C        6.029   (C,D)
M(PHI) / ( P )                   0.053   2C1       0.153   (A,B)
M(PHI) / ( P )                   0.053   1C        0.193   (C,D)
N(PHI) / ( MC/(Rm**2 * Beta) )   0.053   3A        0.421   (A,B,C,D)
M(PHI) / ( MC/(Rm    * Beta) )   0.053   1A        0.104   (A,B,C,D)
N(PHI) / ( ML/(Rm**2 * Beta) )   0.053   3B        1.571   (A,B,C,D)
M(PHI) / ( ML/(Rm    * Beta) )   0.053   1B1       0.058   (A,B,C,D)

N(x)   / ( P/Rm )                0.053   3C        6.029   (A,B)
N(x)   / ( P/Rm )                0.053   4C        6.088   (C,D)
M(x)   / ( P )                   0.053   1C1       0.196   (A,B)
M(x)   / ( P )                   0.053   2C        0.153   (C,D)
N(x)   / ( MC/(Rm**2 * Beta) )   0.053   4A        0.532   (A,B,C,D)
M(x)   / ( MC/(Rm    * Beta) )   0.053   2A        0.062   (A,B,C,D)
N(x)   / ( ML/(Rm**2 * Beta) )   0.053   4B        0.427   (A,B,C,D)
M(x)   / ( ML/(Rm    * Beta) )   0.053   2B1       0.098   (A,B,C,D)


Stress Concentration Factors: Kn = 1.00,   Kb = 1.00

Stresses in the Vessel at the Attachment Junction (   KPa)

               |                    Stress Intensity Values at
|
Type of        |
|
```

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

Stress Load	Au	Al	Bu	Bl	Cu	Cl	Du Dl
Circ. Memb. P	0	0	0	0	0	0	0 0
Circ. Bend. P	-1	1	-1	1	-2	2	-2 2
Circ. Memb. MC	0	0	0	0	0	0	0 0
Circ. Bend. MC	0	0	0	0	-1	1	1 -1
Circ. Memb. ML	0	0	0	0	0	0	0 0
Circ. Bend. ML	5	-5	-5	5	0	0	0 0
Tot. Circ. Str.	4	-3	-8	6	-4	3	-1 0
Long. Memb. P	0	0	0	0	0	0	0 0
Long. Bend. P	-2	2	-2	2	-1	1	-1 1
Long. Memb. MC	0	0	0	0	0	0	0 0
Long. Bend. MC	0	0	0	0	0	0	0 0
Long. Memb. ML	0	0	0	0	0	0	0 0
Long. Bend. ML	9	-9	-9	9	0	0	0 0
Tot. Long. Str.	7	-7	-12	11	-3	2	-1 0
Shear VC	0	0	0	0	0	0	0 0
Shear VL	0	0	0	0	62	62	-62 -62
Shear MT	-1	-1	-1	-1	-1	-1	-1 -1
Tot. Shear	-1	-1	-1	-1	60	60	-63 -63
Str. Int.	7	7	12	11	121	121	126 126

WRC 107 Stress Calculation for EXPansion loads:

Radial Load	P	-198.8	N.
Circumferential Shear	VC	2453.5	N.
Longitudinal Shear	VL	-2109.3	N.

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

Circumferential Moment	MC	-749.6	N.m.
Longitudinal Moment	ML	264.7	N.m.
Torsional Moment	MT	1687.9	N.m.

Dimensionless Parameters used : Gamma = 32.32
Stress Concentration Factors: Kn = 1.00, Kb = 1.00

Stresses in the Vessel at the Attachment Junction (KPa)

Type of Stress	Load	Stress Intensity Values at Au	Al	Bu	Bl	Cu	Cl	Du	Dl
Circ. Memb.	P	19	19	19	19	19	19	19	19
Circ. Bend.	P	94	-94	94	-94	118	-118	118	-118
Circ. Memb.	MC	0	0	0	0	67	67	-67	-67
Circ. Bend.	MC	0	0	0	0	3208	-3208	-3208	3208
Circ. Memb.	ML	-88	-88	88	88	0	0	0	0
Circ. Bend.	ML	-635	635	635	-635	0	0	0	0
Tot. Circ. Str.		-610	471	837	-621	3413	-3241	-3137	3041
Long. Memb.	P	19	19	19	19	19	19	19	19
Long. Bend.	P	121	-121	121	-121	94	-94	94	-94
Long. Memb.	MC	0	0	0	0	84	84	-84	-84
Long. Bend.	MC	0	0	0	0	1909	-1909	-1909	1909
Long. Memb.	ML	-24	-24	24	24	0	0	0	0
Long. Bend.	ML	-1066	1066	1066	-1066	0	0	0	0
Tot. Long. Str.		-950	940	1231	-1144	2108	-1899	-1881	1750
Shear	VC	206	206	-206	-206	0	0	0	0
Shear	VL	0	0	0	0	177	177	-177	-177
Shear	MT	829	829	829	829	829	829	829	829

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

Tot. Shear	1036	1036	622	622	1007	1007	651	651
Str. Int.	2100	2124	1687	1558	3961	3780	3414	3313

WRC 107/537 Stress Summations:

Vessel Stress Summation at Attachment Junction (KPa)

	Stress Intensity Values at							
Type of Stress	Load	Au	Al	Bu	Bl	Cu	Cl	Du	Dl
Circ. Pm	(SUS)	93977	96977	93977	96977	93977	96977	93977	96977
Circ. Pl	(SUS)	0	0	-1	-1	0	0	0	0
Circ. Q	(SUS)	4	-4	-7	7	-3	3	0	0
Circ. Q	(EXP)	-610	471	837	-621	3413	-3241	-3137	3041
Long. Pm	(SUS)	46988	46988	46988	46988	46988	46988	46988	46988
Long. Pl	(SUS)	0	0	0	0	0	0	0	0
Long. Q	(SUS)	7	-7	-12	12	-2	2	0	0
Long. Q	(EXP)	-950	940	1231	-1144	2108	-1899	-1881	1750
Shear Pm	(SUS)	0	0	0	0	0	0	0	0
Shear Pl	(SUS)	0	0	0	0	62	62	-62	-62
Shear Q	(SUS)	-1	-1	-1	-1	-1	-1	-1	-1
Shear Q	(EXP)	1036	1036	622	622	1007	1007	651	651
Pm (SUS)		93977	96977	93977	96977	93977	96977	93977	96977
Pm+Pl (SUS)		93978	96978	93976	96976	93977	96977	93977	96977

ANNEX 8.1.9 - WRC 107 (537) ANALYSIS
Node 17540 NOZZLE 4N – HYDROGEN VESSEL V-25001D

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Pm+Pl+Q (Total)|    93394|    97467|    94814|    96370|    97410|    93763|
90846|   100026|
```

Vessel Stress Summation Comparison (KPa):

Type of Stress Int.	Max. S.I.	S.I. Allowable	Result
Pm (SUS)	96977	117900	Passed
Pm+Pl (SUS)	96978	176850	Passed
Pm+Pl+Q (TOTAL)	100026	420304	Passed

The Pm+Pl+Q allowable above was based on the rules of ASME VIII-2 Part 4, 4.1.6.3 (a)&(b) or
per ASME VIII-2, 5.5.6.1(1)&(2) Part 5 as applicable.

The Pm+Pl+Q allowable was based on a temperature range cycling from ambient to design temperature.

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CAESAR II Ver.14.00.00.0910, (Build 231113) Date:JUL 9,2024 @15:22
Job: 8.1.10 FLANGE LEAKAGE CHECK ASME VIII
FLANGE DN100 - S.S. - 300 LBS node 140

CAESAR II ANALYSIS REPORT: Flange Leakage/Stress Calculations

FLANGE LEAKAGE/STRESS CALCULATIONS

Flange Inside Diameter [B] (User to verify)	(mm.)	102.362
Flange Thickness [t]	(mm.)	30.226
Flange Rating (Optional)		300.000
Bolt Circle Diameter	(mm.)	200.152
Number of Bolts		8.000
Bolt Diameter	(mm.)	19.050
Bolt Initial Tightening Stress	(KPa)	
Uncompressed Gasket Thickness	(mm.)	3.200
Grade of Attached B16_5 ANSI Flange		2.300
Leak Pressure Ratio [m]		3.000
Effective Gasket Modulus	(KPa)	3016525.750
Externally Applied Moment ..... (optional)	(N.m.)	1316.000
Externally Applied Force ..... (optional)	(N.)	909.000
Pressure [P]	(KPa)	4000.000
Disable Stress Calculations (Y/N)		N
Flange Type (1-8, see ?-Help or Alt-P to plot)		1.000
Flange Outside Diameter [A]	(mm.)	254.000
Design Temperature	C	60.000
Small End Hub Thickness [g0]	(mm.)	5.969
Large End Hub Thickness [g1]	(mm.)	21.844
Hub Length [h]	(mm.)	54.102
Flange Allowable @Design Temperature	(KPa)	137895.141
Flange Allowable @Ambient Temperature	(KPa)	137895.141
Flange Modulus of Elasticity @Design	(KPa)	195121632.000
Flange Modulus of Elasticity @Ambient	(KPa)	202254608.000
Bolt Allowable @Design Temperature	(KPa)	172368.922
Bolt Allowable @Ambient Temperature	(KPa)	172368.922
Gasket Seating Stress [y]	(KPa)	50000.000
Flange Allowable Stress Multiplier		1.000
Bolt Allowable Stress Multiplier (VIII Div 2 4-141)		2.000
Disable Leakage Calculations (Y/N)		N
Disable ANSI B16.5 Checks (Y/N)		N
Flange Face OD or Lapjt Cnt OD	(mm.)	157.200
Flange Face ID or Lapjt Cnt ID	(mm.)	102.362
Gasket Outer Diameter	(mm.)	157.200
Gasket Inner Diameter	(mm.)	102.362
Nubbin Width	(mm.)	24.500
Facing Sketch		3.000
Facing Column		2.000

Flange Type: (Integral Weld Neck)

CAESAR II Ver.14.00.00.0910, (Build 231113) Date:JUL 9,2024 @15:22
Job: 8.1.10 FLANGE LEAKAGE CHECK ASME VIII
FLANGE DN100 - S.S. - 300 LBS node 140

CAESAR II ANALYSIS REPORT: Flange Leakage/Stress Calculations

Effective gasket width parameters:
Effective gasket seating width, b.....(mm.) 9.0786
Diameter of gasket load reaction, G....(mm.) 139.0427

SAFETY FACTOR SUMMARY for the different Flange Models analyzed. (SAFETY FACTOR = Allowed/Actual)

	SAFETY FACTOR
Flexibility/Gasket Compression Model (Leakage)..	9.32
ANSI B16.5/Equivalent Pressure (Stress).....	0.59
ASME Model Operating (Stress).....	1.64
ASME Model Seating (Stress).....	1.35

FLANGE FLEXIBILITY MODEL ----------

BOLTED FLANGE CHARACTERISTICS:

Initial Tightening Stress in the Bolt (Not the seating stress): 358262 KPa

Approximate Torque required to induce the above initial stress: 199 N.m.

GASKET COMPRESSION:	COMPRESSION (mm.)
After Initial Boltup (Ci).....	0.1092610434
Loss-of due to Pressure (Cp).....	0.0054869046
Loss-of due to Applied Moment (Cm)..	0.0034201760
Loss-of due to Applied Force (Cf)...	0.0000821192
Loss-of due to all loads (CL).....	0.0089891991
Initial minus all Losses (Ci-CL)....	0.1002718508
For Leak-Proof Joint (Creq).....	0.0254597515
Excess available (Ci-Creq)	0.0838012919

LEAKAGE SAFETY FACTOR: (If less than one then joint leakage is predicted.) (Allowed/Actual)

Pressure Only (Ci-Creq)/Cp	15.27
Force Only (Ci-Creq)/Cf	1020.48
Moment Only (Ci-Creq)/Cm	24.50
Pressure+Force+Moment (Ci-Creq)/CL	9.32

EQUIVALENT PRESSURE MODEL ----------

Equivalent Pressure (KPa)	6553.20
ANSI B16.5 Flange Allowable Pressure Rating .	3874.85

STRESS SAFETY FACTOR: (If less than one then joint failure is predicted.) (Allowed/Actual)

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CAESAR II ANALYSIS REPORT: Flange Leakage/Stress Calculations

ANSI B16.5/Equivalent Pressure 0.59

ASME SECT VIII DIV 1 STRESS MODEL ----------

ACCORDING TO A05 APP 2-14, THE FOLLOWING RIGIDITY
FACTORS SHOULD BE LESS THAN 1.0

ASME Rigidity Factor "J", Operating Case 0.1365
ASME Rigidity Factor "J", Seating Case 0.1381

CALCULATED STRESSES (KPa)

	OPERATING	ALLOW	SEATING	ALLOW
Longitudinal Hub ..	84617	206843	88730	206843
Radial Flange	83186	137895	87229	137895
Tangential Flange .	49671	137895	52086	137895
Maximum Average ...	83902	137895	87980	137895
Bolting	124899	344738	127211	172369

"*" Indicates Failure for an item.

STRESS SAFETY FACTOR: (If less than one then joint
failure is predicted.) (Allowed/Actual)

	OPERATING	SEATING
Longitudinal Hub	2.44	2.33
Radial Flange	1.66	1.58
Tangential Flange ...	2.78	2.65
Maximum Average	1.64	1.57
Bolting	2.76	1.35