Base Load Power Hub (BLPH)

BLPH Platform
Topside Grillage and Sea Fastening
Design Report

Document Number: 123A90-DDL-TI-RE-99001

Document Class: 1

01	06/03/2025	Accepted for Construction (AFC)	F.Biancheri	A.Balzarotti	D.LoSterzo
00	24/01/2025	Issued for Approval (IFA)	F.Biancheri	A.Balzarotti	D.LoSterzo
Rev.	Date	Description	Prepared	Reviewed	Approved
TECON					

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Revision / Change Log

Rev.	Description
00	Issued for Approval (IFA)
01	Accepted for Construction (AFC)

HOLDS LIST

No.	Description
1	
2	
3	
4	

Table of contents

1 INTRODUCTION 8
1.1 PROJECT OVERVIEW 8
1.1.1 Project Location 8
1.1.2 Project Concept 9
2 DOCUMENT SCOPE 11
3 REFERENCES 12
3.1 CODES AND STANDARDS 12
3.2 COMPANY SPECIFICATIONS 12
3.3 PROJECT DOCUMENTS 13
3.4 SOFTWARE 13
4 DEFINITIONS AND ABBREVIATIONS 14
5 SUMMARY AND CONCLUSIONS 16
5.1 REACTION FORCES 16
5.2 MEMBER CHECKS 17
5.3 LOCAL CHECKS 17
6 BLPH TOPSIDE DESCRIPTION 18
7 MATERIALS 19
7.1 STRUCTURAL STEEL PROPERTIES 19
7.2 PLATING 20
7.3 GRATING 20
8 DESIGN CRITERIA AND REQUIREMENTS 21
8.1 GENERAL 21
8.2 PARTIAL RESISTANCE FACTORS 21
8.2.1 Partial Resistance Factors for Tubular Sections: 21
8.2.2 Partial Resistance Factors for Non-tubular Sections 21
8.2.3 Partial Resistance Factors for Tubular Joints Check 22
8.3 LOAD CLASSIFICATIONS 22

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

8.4 PARTIAL ACTION FACTORS 23
8.4.1 Partial Action Factors for Pre-Service Analysis 23
8.5 ACCEPTANCE CRITERIA 23
9 STRUCTURAL ANALYSIS 24
9.1 TRANSPORTATION ANALYSIS 24
9.2 TRANSPORTATION ARRANGEMENT 24
9.3 GRILLAGE AND SEAFASTENINGS ARRANGEMENT 25
9.4 STRUCTURAL MODEL 27
9.5 ANALYSIS PROCEDURE 30
10 BASIC LOAD CASES & LOAD COMBINATIONS 33
10.1 BASIC LOAD CASES 33
10.2 TRANSPORTATION LOAD COMBINATIONS 34
10.2.1 Design Load Combinations 34
10.2.2 Load Combinations Summary 36
11 ANALYSIS RESULTS 37
11.1 REACTION FORCES 37
11.1.1 Base reaction forces at barge deck 37
11.1.2 Grillage Upper layer to Lower layer connection forces 58
11.1.3 Seafastening Internal Forces 58
11.2 STRUCTURAL CHECKS 68
11.3 LOCAL CHECKS 70
11.3.1 Grillage 70
11.3.2 Barge Reactions 75
11.3.3 Sea Fastening 76
11.3.4 Stoppers 78
11.3.5 Uplift stiffeners 79
APPENDIX A – MEMBER GROUPS AND SECTION PROPERTIES 81
APPENDIX B - WIREFRAME SCHEMES 82
APPENDIX C – UPPER LAYER TO LOWER LAYER GRILLAGES INTERNAL ACTIONS 90

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

List of Figures

Figure 1.1 HOLLANDSE KUST NOORD WIND PARK Location Map 8
Figure 1.2 - Wind Park Details 9
Figure 1.3 – BLPH Concept 9
Figure 6.1 – Base Load Power Hub Plot Plan 18
Figure 9.1 – Transportation Arrangement – Side and Plan views on VERVECE 25
Figure 9.2 – Grillage and Sea fastening – 3D view 26
Figure 9.3 – Grillage Typ. 26
Figure 9.4 - Topside structural model in Transportation Conditions 27
Figure 9.5 – Topside structural model in Transportation Conditions – Grillage and SF detail view 27
Figure 9.6 – Topside-Grillage connection - dummy elements (joint labels and member end release) 28
Figure 9.7 - Upper to Lower layer Grillages and to deck connection - dummy elements 29
Figure 9.8 – Seafastening Elements 30
Figure 9.9 – Seafastening Elements release 30
Figure 9.10 – STEP 1 – Restraint scheme 31
Figure 9.11 – STEP 2 – Restraint scheme 32
Figure 11.1 -Topside – Member UC > 0.75 – 3D View 69
Figure 11.2 - Topside – Grillage Details 70
Figure 11.3 - Topside – Grillage – wing plates 73
Figure 11.4 -Topside – Grillage disposition on barge deck 75
Figure 11.5 -Deck Load Plan 76
Figure 11.6 -Sea Fastening Gusset Plate 76
Figure 11.7 -Stoppers on grillage top flange 78
Figure 11.8 -Uplift stiffeners on grillage top flange 79
Figure 11.9 -Uplift stiffeners on grillage top flange – detail 80

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

List of tables

Table 4.1 - Definitions and Abbreviations 15
Table 5.1 – Topside base reaction forces in Transportation Conditions – STEP 3 16
Table 5.2 – Grillage reactions on barge deck – check 16
Table 5.3 – Member UC Summary 17
Table 7.1 - Material Selection, Ref /22/ 19
Table 7.2 – Mechanical properties of Plates 19
Table 7.3 – Mechanical properties of Structural Seamless Tubulars 20
Table 7.4 – Mechanical properties for Structural Sections 20
Table 8.1- Resistance Factors for Tubular Sections 21
Table 8.2- Resistance for Non Tubular Section 22
Table 8.3 - Resistance Factors for Tubular Joints 22
Table 8.4 - ISO Loads Classification 22
Table 8.5 – Partial action factors for Pre-service Analyses 23
Table 10.1 – Topside Load Cases and Combinations 33
Table 10.2- Transportation Load Combinations – Design situation 1 34
Table 10.3 - Transportation Load Combinations – Design situation 2 35
Table 10.4 - Transportation Load Combinations – Design situation 3 35
Table 10.5 – Topside Load Combinations for Transportation Analysis 36
Table 11.1 – TP base reaction forces in Transportation Conditions – Summary Envelope 37
Table 11.2 - Reaction Forces in Transportation Conditions 57
Table 11.3 – upper to lower layers connection forces 58
Table 11.4 – SF internal forces summary Table 58
Table 11.5 – Grillage 2nd layer check 71
Table 11.6 – Grillage 3rd layer check 72
Table 11.7 – Grillage 1st layer check 73
Table 11.8 – Grillage 1st layer wing plates check 74
Table 11.9 – Grillage reactions on barge deck – check 76
Table 11.10 – gusset plate check 77
Table 11.11 – stoppers max actions 78

List of Attachments

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

1 INTRODUCTION

1.1 PROJECT OVERVIEW

Crosswind, a Shell and Eneco joint venture, was awarded the tender to develop the offshore Hollandse Kust Noord (HKN) wind farm, located 18.5km off the coast of Netherlands near the town of Egmond aan Zee. The consortium plans to have HKN operational in 2023 with an installed capacity of 759MW generating at least 3.3TWh per year. This is sufficient renewable power to supply more than 1 million Dutch households with green electricity.

Offshore wind farms produce intermittent electricity and balancing these dips and peaks and integrating this electricity into the national energy system requires new technologies. For this reason, the offshore wind farm will include several new technologies that could be implemented at full-scale in the future. The new technologies being explored include a floating solar park, a short-duration battery storage as well as long-term storage via green hydrogen produced by water electrolysis and subsequently consumed in a fuel cell. The combination of these individual measures, herein referred to as the Base Load Power Hub (BLPH) will ensure a continuous power supply regardless of the wind situation.

1.1.1 Project Location

The Hollandse Kust Noord (HKN) wind farm is located 18.5km off the coast of the Netherlands near the town of Egmond aan Zee.

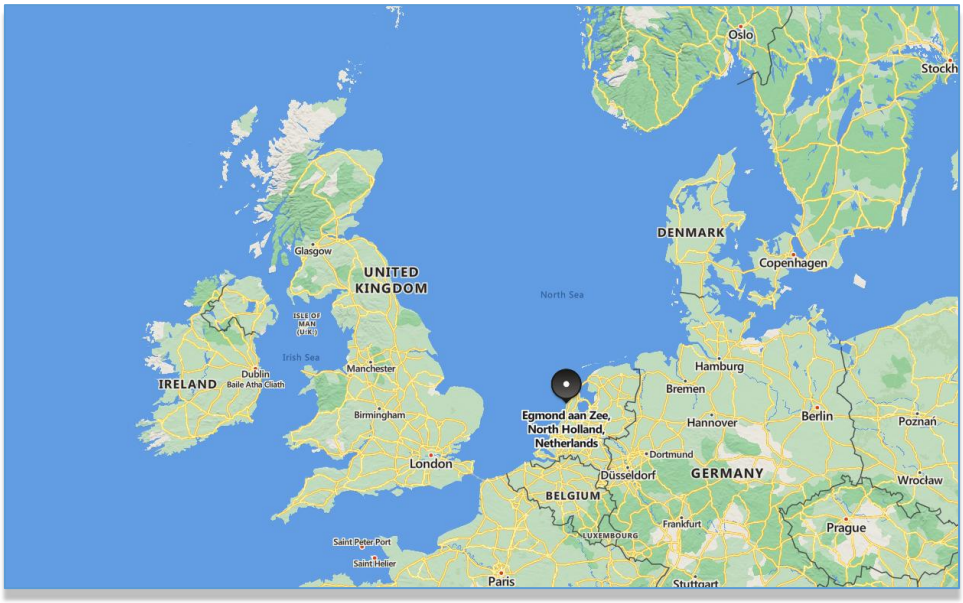


Figure 1.1 HOLLANDSE KUST NOORD WIND PARK Location Map

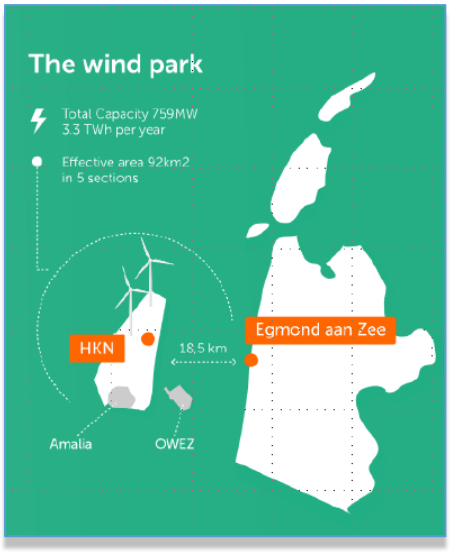


Figure 1.2 - Wind Park Details

The wind farm consist of No. 69 x 11.5MW wind turbine generators each to be installed on a dedicated monopile structure. A 70th monopile located on coordinates E 590719.1, N 5841602.3 is reserved for installing the platform accommodating the BLPH. The monopile structure was designed and installed by Van Oord Offshore Wind (VooW) and therefore not part of the BLPH scope.

1.1.2 Project Concept

All components included in the BLPH will be integrated onshore on a topsides and installed in an offshore location within the boundaries of the HKN wind farm. At its simplest, the BLPH will store energy during periods of high electricity generation from renewable sources (a wind turbine generator and the floating solar PV farm) and release it during periods of low generation. In practice. It is expected that the energy stored will supplement generation from renewable sources to ensure that at least 1.0MW of power is exported to the electrical grid regardless of wind/solar availability.

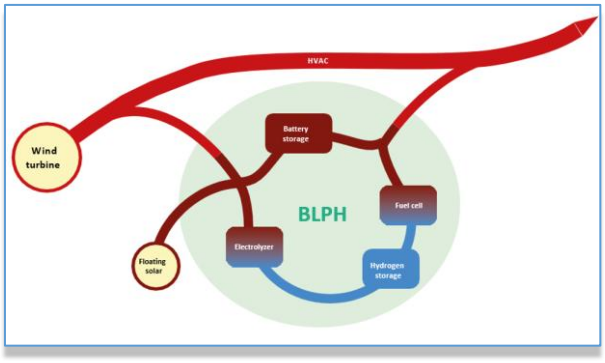


Figure 1.3 – BLPH Concept

Electricity in the BLPH will be stored in the form of electrons in a battery energy storage system (BESS) as well as converted into green hydrogen via water electrolysis. When the power output from the connecting wind turbine drops to below 1 MWe, the BLPH will return its stored energy to supplement the remaining power output. This will be by discharging the BESS, while stored hydrogen will be converted back into electricity using a fuel cell to extend the discharge duration.

The purpose of the BLPH s to function as a testbed for the integration of energy storage technologies with renewable generation. It is expected that equipment installed on the BLPH will operate as Normally Unmanned Installation for at least two (2) years with no or minimal maintenance and it will have its own independent control room with the ability to communicate with Crosswind's control room.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

2 DOCUMENT SCOPE

The objective of this report is to present the results of the Grillage and Sea Fastening system of the Topside of the BLPH platform during transportation to the installation site.

Structural checks of the Topside during transport are not covered by present document and detailed in a separate dedicated report, ref./31/.

Fatigue checks in transportation conditions are detailed in a separate report, Ref./32/.

The Topside of BLPH Platform is to be moved on 300ft barge by means of the hydraulic trailers (SPMT) and loaded on board of the cargo barge over preinstalled lower grillage with the Rows A and C aligned with the barge longitudinal axis.

The analysis has been performed in compliance with the requirements, criteria and parameters reported in the Structural Design Premises, Ref./19/.

Transportation analysis is performed in accordance with DNV-ST-N001, Ref./9/ with the inertia forces calculated considering the accelerations according to DNV criteria.

Structural Code checks are performed according to EN ISO 19902 for tubular members and tubular joints, Ref./6/, and according to Eurocode 3 for non-tubular structural elements, Ref./8/.

All structural analyses have been carried out using the structural analysis program SACS, the proprietary software developed by Bentley, Ref. /33/.

The International System of Units (SI) has been used in all engineering assessments and calculations.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

3 REFERENCES

3.1 CODES AND STANDARDS

Doc. No.	Description
/1/ BS EN ISO 19900	General requirements for offshore structures - 2019
/2/ BS EN ISO 19901-1	Specific requirements for offshore structures - Part 1: Metocean design and operating considerations - 2015
/3/ BS EN ISO 19901-3	Specific requirements for offshore structures – Part 3: Topsides structure - 2014
/4/ BS EN ISO 19901-5	Specific requirements for offshore structures – Part 5: Weight Management - 2021
/5/ BS EN ISO 19901-6	Specific requirements for offshore structures – Part 6: Marine Operations – 2009
/6/ BS EN ISO 19902	Petroleum and natural gas industries - Fixed steel offshore structures – 2020
/7/ ISO 19906:2019	Petroleum and natural gas industries – Arctic offshore structures
/8/ UNI EN 1993-1-1	Design of steel structures - Part 1-1: General rules and rules for buildings
/9/ DNV-ST-N001	DNV - Marine operation and marine warranty - 2021
/10/ DNV-ST-0145	DNV, Offshore substations
/11/ DNV-RP-C201	DNV, Buckling Strength of Plated Structures, October 2010.
/12/ DNV-RP-C203	DNV, Fatigue design of offshore steel structures, September 2019 and Amendment January 2020
/13/ DNV-RP-C204	DNV-RP-C204 Design against accidental loads – 2019
/14/ DNV-RP-C205	DNV - Environmental conditions and environmental loads - September 2019, amended September 2021.
/15/ DNV-ST-0126	Support structures for wind turbine, 2018

3.2 COMPANY SPECIFICATIONS

Doc. No.	Description
/16/ DEP 37.19.00.12	Gen - Offshore Topsides Structures
/17/ DEP 37.19.00.30	Gen - Fixed Steel Offshore Structures (Adoption of IOGP S-631-11, Amendments / Supplements to ISO 19902:2020).

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

/18/ DEP 37.81.10.19	Gen - Marine Operations Requirements – Loadout, Transportation and Installation of Offshore Structures (Amendments / Supplements to ISO 19901-6)

3.3 PROJECT DOCUMENTS

Doc. No.	Description
/19/ 123A90-DDL-ST-SP-90017	Structural Design Basis
/20/ 123A90-DDL-MD-RE-01006	Monthly Weight Report – rev. 03
/21/ 123A90-DDL-PP-DS-70070	BLPH Platform - Plot Plan Lower & Upper Deck
/22/ 123A90-DDL-ST-SP-90018	Structural Material Specification for Topside and TP
/23/ 123A90-DDL-TI-SP-99014	Specification for TP, Topside and Caissons Transportation and Installation
/24/ 123A90-DDL-TI-DD-99015	BLPH Platform – Barge Layout
/25/ 123A90-DDL-ST-TN-90119	Evaluating ISO and DNV Approaches
/26/ 123A90-DDL-TI-DD-99021	BLPH – Topside – Grillage Assembly
/27/ 123A90-DDL-TI-DD-99023	BLPH – Topside – Grillage – Plan and Section
/28/ 123A90-DDL-TI-DD-99024	BLPH – Sea Fastening - Assembly
/29/ 123A90-DDL-TI-DD-99024	BLPH – Sea Fastening - Details
/30/ 123A90-DDL-ST-RE-90001	BLPH – Topside Loadout Analysis
/31/ 123A90-DDL-ST-RE-90002	BLPH – Topside Transportation Analysis
/32/ 123A90-DDL-ST-RE-90003	BLPH – Topside Fatigue Transportation Analysis

3.4 SOFTWARE

Doc. No.	Description
/33/ SACS	Structural Analysis Computer System – BENTLEY Inc- v15

4 DEFINITIONS AND ABBREVIATIONS

COMPANY or Client (CPY)	Crosswind
CONTRACTOR (CTR)	ROSETTI MARINO S.p.A.
PROJECT	HOLLANDSE KUST NOORD WIND PARK Project
T&I CONTRACTOR	DEME
ALS	Accidental Limit State
BLPH	Base Load Power Hub
BESS	BATTERY ENERGY STORAGE SYSTEM
BG	Box Girder
BLPH	Base Load Power Hub
Ce	Snow Exposure Coefficient
CF	Caisson Frame
CL	Concentrated Load
CoG	Centre of Gravity
CTV	Crew Transfer Vessel
CW	CrossWind
DAF	Dynamic Amplification Factor
DFF	Damage Fatigue Factors
DLB	Ductility Level Blast
DNV	Det Norske Veritas
DOP	Dropped Object Protection
DP	Dynamic Positioning
El.	Elevation
EPCI	Engineering Procurement Construction and Installation
FEED	Front End Engineering Design
HAT	Highest Astronomical Tide
HKN	Hollandse Kust Noord
ICCP	Impressed Current Corrosion Protection
LAT	Lowest Astronomical Tide

LRFD	Load and Resistance Factor Design
MSL	Mean Sea Level
NTE	Not-to-Exceed
OD	Outside Diameter
PAU	Pre-Assembled Unit (H2 Vessels)
PG	Plate Girder
SHL	Static Hook Load
T&I	Transport & Installation
ToS	Top of Steel
TP	Transition Piece
UC	Unity Check
UDL	Uniformly Distributed Load
VIV	Vortex Induced Vibration
VOOW	Van Oord Offshore Wind
WTG	Wind Turbine Generator
W2W	Walk to Work

Table 4.1 - Definitions and Abbreviations

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

5 SUMMARY AND CONCLUSIONS

The analyses performed show that the Grillage and Sea Fastening of the BLPH Topside can withstand all possible combinations of environmental, operating and transient loads occurring during transportation, according to the applicable codes. The software SACS™, ref./33/, is used for all global analyses of the structures in the SOW.

Structural model of Topside in transportation configuration includes Grillage and Sea Fastening pipes, ref drawings /26/, /27/, /28/, /29/.

5.1 REACTION FORCES

Maximum and minimum base reaction forces for Grillage and Sea Fastening of Topside in transportation conditions, are reported in the following table. Reactions are read in global reference system.

JOINT	Rx [kN]				Ry [kN]				Rz [kN]				MOMENT(X) [kNm]				MOMENT(Y) [kNm]				MOMENT(Z) [kNm]			
	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND
GA21	8	C314	-36	C209	420	C302	-374	C207	1547	C202	-30	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA22	20	C214	-18	C209	13	C202	-13	C205	1636	C102	57	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA23	22	C214	-19	C209	196	C216	-163	C209	1201	C109	218	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA24	23	C214	-23	C209	417	C202	-362	C207	1585	C202	-36	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA25	21	C214	-21	C209	78	C205	-75	C202	1682	C109	272	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA26	17	C314	-37	C209	270	C216	-253	C209	1367	C109	55	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA41	23	C214	-19	C309	146	C209	-151	C316	1263	C105	149	C308	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA42	20	C214	-18	C209	13	C202	-13	C205	1776	C205	57	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA43	22	C214	-20	C209	456	C204	-517	C205	1737	C205	-257	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA44	25	C214	-25	C209	217	C209	-237	C216	1285	C105	108	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA45	21	C214	-21	C209	74	C205	-77	C202	1825	C205	55	C308	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA46	12	C314	-38	C209	458	C204	-515	C205	1785	C205	-280	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC21	38	C214	-11	C309	410	C202	-354	C207	1547	C202	-39	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC22	21	C214	-21	C209	76	C205	-74	C202	1662	C114	731	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC23	27	C214	-26	C209	275	C211	-261	C214	1362	C214	28	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC24	19	C214	-22	C209	418	C202	-358	C207	1511	C202	-29	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC25	18	C214	-20	C209	13	C202	-13	C205	1591	C102	57	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC26	22	C214	-20	C309	189	C311	-183	C214	1197	C114	730	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC41	36	C214	-17	C309	236	C214	-257	C211	1340	C114	77	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC42	21	C214	-21	C209	75	C205	-77	C202	1863	C205	103	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC43	24	C214	-24	C209	464	C204	-521	C205	1819	C205	-275	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC44	19	C214	-22	C209	146	C214	-184	C211	1278	C105	146	C308	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC45	18	C214	-20	C209	13	C202	-13	C205	1812	C205	57	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC46	33	C214	-11	C309	466	C204	-519	C305	1768	C205	-252	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF01	1695	C214	-1870	C209	1078	C209	-977	C214	1010	C209	-915	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF02	1906	C214	-2164	C209	1099	C214	-1248	C209	1169	C209	-1029	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF03	1771	C214	-2016	C209	1162	C209	-1021	C214	1089	C209	-956	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF04	1774	C202	-1995	C205	1024	C202	-1152	C205	1079	C205	-958	C202	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF05	1895	C214	-1707	C209	1092	C214	-984	C209	1024	C214	-922	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF06	2179	C214	-1933	C209	1114	C209	-1256	C214	1177	C214	-1043	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF07	2061	C214	-1826	C209	1188	C214	-1053	C209	1113	C214	-986	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF08	2018	C205	-1784	C202	1030	C202	-1165	C205	1091	C205	-964	C202	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101

Table 5.1 – Topside base reaction forces in Transportation Conditions – STEP 3

Checks are reported in the following for each strongpoint.

STRONGPOINT	MBL [t]	MAX. REACTION [t]	CHECK
Long. BHD – transverse BHD Anywhere transv.frame	160	145	OK

Table 5.2 – Grillage reactions on barge deck – check

5.2 MEMBER CHECKS

Structural members with maximum Unity Check (UC) are detailed in the following table.

MEMBER	GROUP	DESCRIPTION	SECTION	COMBINATION	UC
147- 151	GR1	1st layer Grillage Beam	HE800B	C205	0.91
174- 176	GR3	3rd layer Grillage Beam	HE800B	C205	0.91
153- 148	GR1	1st layer Grillage Beam	HE800B	C205	0.90
151- 153	GR1	1st layer Grillage Beam	HE800B	C205	0.90
38- 40	GR3	3rd layer Grillage Beam	HE800B	C205	0.89
11- 14	GR1	1st layer Grillage Beam	HE800B	C205	0.88
228- SF06	SF1	Sea fastening pipe C2	323 x 12.7	C214	0.85

Table 5.3 – Member UC Summary

5.3 LOCAL CHECKS

Structural check of welded connections and gusset plates showing max UC are listed here after:

- Maximum Unity Check for Grillage UC = 0.96 < 1.00 OK
- Maximum Unity Check for Seafastening gusset UC = 0.81 < 1.00 OK
- Maximum Unity Check for Stoppers UC = 0.88 < 1.00 OK
- Maximum Unity Check for Uplift Stiffeners UC = 0.55 < 1.00 OK

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

6 BLPH TOPSIDE DESCRIPTION

The BLPH Topside comprises of two main deck levels with overall deck plan dimensions of 40 m x 16 m, excluding external walkways, laydown areas and stairs, with an overall deck height of 7 m between decks. There are currently 6 hydrogen storage vessels which lie horizontally, aligned north - south, within the PAU structure located above the upper deck. The Topsides layout is shown in Fig. 6.1.

Main Deck elevations are:

- Target top of TP, El. + 22.310 m;
- Lower Deck, El. + 23.310 m ToS;
- Upper Deck, El. + 30.310 m ToS.

The PAU steel module 12m x 9m for the storage of N.6 H2 Vessel 60t each is located on top of Topside Upper Deck. PAU height is 9m and on top roof it acts as rigging platform with lifting slings.

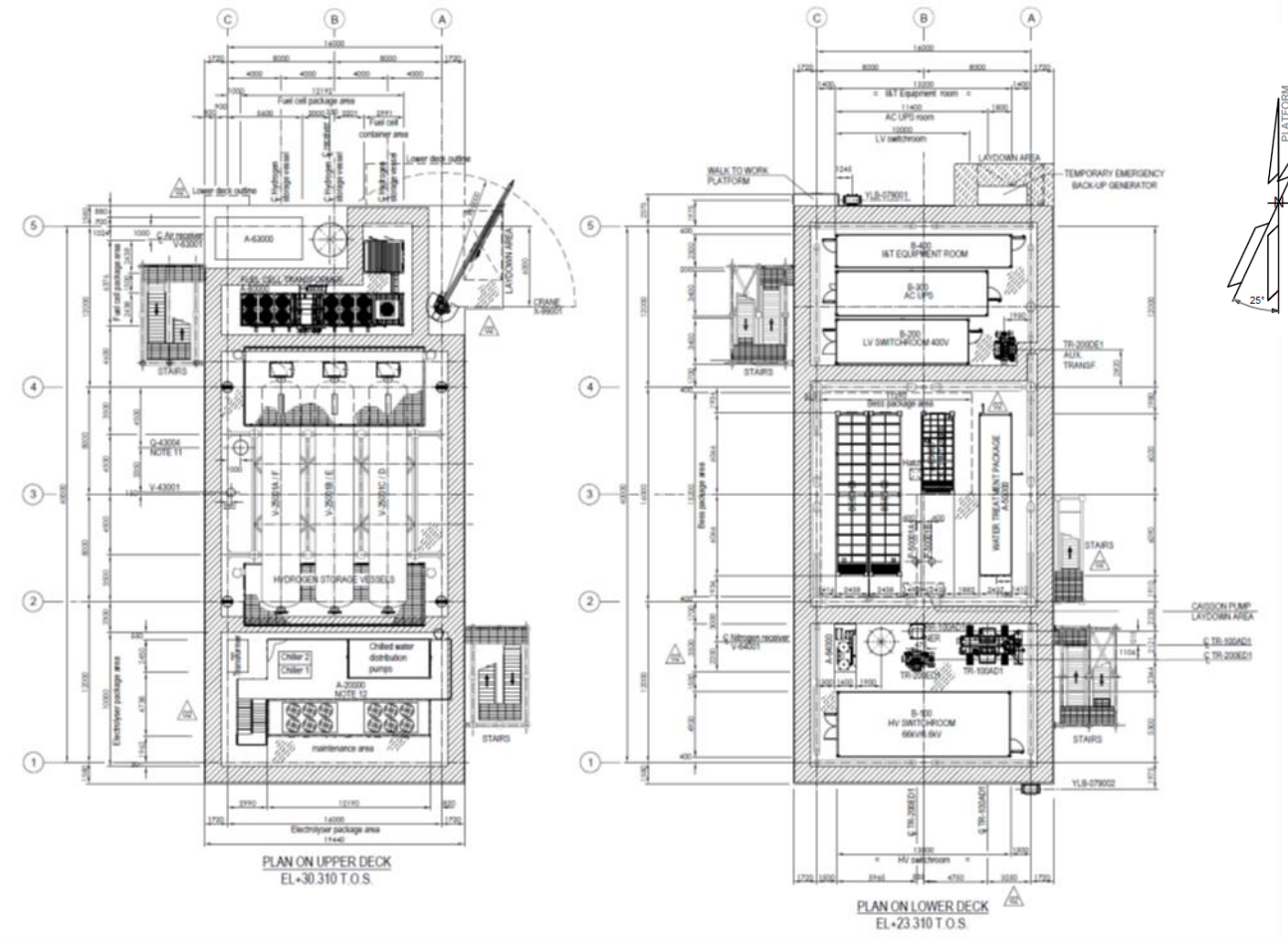


Figure 6.1 – Base Load Power Hub Plot Plan

7 MATERIALS

7.1 STRUCTURAL STEEL PROPERTIES

For the structural analyses, steel types and grades to be used for the platform structures are summarised in Table 8.1 and specified in Ref./22/. The material selection criteria are based on the requirements of ISO 19906:2019, ISO 19902:2020 and ISO 19901-3:2014. The materials are in accordance with the EN standard 10225:2019 and 10025:2019 and are suitable for plates, rolled sections and welded / seamless tubulars.

			EN10025-3	ISO EN 19902:2020						
Design Class	**Complexity**	**SQL**	**Hot rolled bar**	**Plates and Welded Tubular**	**Sections**	**SMLS pipes**	**THK**	**CVN inpact test**	**Material Designation**	**List of Options (EN10225-1 to -4) & EN10025-3**
DC1 TP to monopile flange connection	High	**I (Z properties)**	EN 10025 S420 NL	NA	NA	NA	t > 50	-40	DC1-I-420-40_Z	1, 2, 3, 4, 6, 12, 18, 24, 30
DC1 Complex lift-nodes and element connection to topside, Lift points, main complex joints	High	**I (Z properties)**	NA	EN 10225 S420 QLO / ML	NA	NA	25 < t <= 50 t > 50	-40 -40	DC1-I-420-40_Z	2, 7, 8, 11, 12, 17, 18
DC2 simple joints, primary deck girders and beams of Topside and TP, column and diagonal to lift points, main columns, Davit crane support, Bolts	Low	**II**	NA	EN 10225 S420 QLO / MLO	NA	NA	t < = 12 12 < t <= 25 25 < t <= 50 t > 50	0 -20 -40 -40	NA DC2-II-420-20 DC2-II-420-40	- 2, 7, 8, 11 17 for t > 40mm
DC3 all other columns and diagonals, stiffeners, Secondary deck beams, Grillage and sea fastening	High	**II**	NA	EN 10225 S355 NLO / MLO	EN 10025 S355 MLO	EN 10225 S355 NLHHO / QLHHO API 5L X52	t < = 12 12 < t <= 25 25 < t <= 50 t > 50	0 -20 -40 -40	DC3-II-355-0 / DC3-II-X52-0 DC3-II-355-20 / DC3-II-X52-20 DC3-II-355-40 / DC3-II-X52-40	2, 7, 8 11 for plate 17 for t > 40mm
DC4 Equipment and vessel supports, modules supports, equipment fixing bolts	Low	**III**	NA	EN 10025 S355 J2	EN 10025 S355 J2	API 5L X52 EN 10210 S355 J2H	t < = 12 12 < t <= 25	0 0	DC4-III-355-0 / DC4-III-X52-0 / DC4-III-X60-0	-
DC5 floor plating, grating, Walkways, stairs, handrails	Any	**IV**	NA	EN 10025 S235 JR EN 10025 S275 J0 EN 10025 S355 J0	EN 10025 S235 JR EN 10025 S275 J0 EN 10025 S355 J0	API 5L Gr.B EN 10210 S235 JRH / EN 10210 S275 J0H / EN 10210 S355 J0H	t < = 12 12 < t <= 25	10 10	DC5-IV-235-10 / DC5-IV-275-10 / DC5-IV-355-10 / DC5-IV-GRB-10	-

Table 7.1 - Material Selection, Ref /22/

Mechanical properties for structural materials are presented in Table 8-2, Table 8-3 and Table 8-4.

- Young's Modulus = 205,000 N/mm^2
- Density = 7850 kg/m^3
- Poisson's Ratio = 0.3

Thickness (mm)	Min. Tensile Strength (N/mm^2)	Min. Yield Strength (N/mm2)	Steel Type (1)
t ≤ 16	500	420	I & II
16 < t ≤ 40	500	400	I & II
40 < t ≤ 63	480	390	I & II
63 < t ≤ 100	480	380	I & II
Note: 1) Type I steel has Z (through the thickness) properties.			

Table 7.2 – Mechanical properties of Plates

Thickness (mm)	Min. Tensile Strength (N/mm²)	Min. Yield Strength (N/mm2)	Steel Type
t ≤ 20	460	355	III
20 < t ≤ 40	460	345	III

Table 7.3 – Mechanical properties of Structural Seamless Tubulars

Thickness (mm)	Min. Tensile Strength (N/mm2)	Min. Yield Strength (N/mm2)	Steel Type
t ≤ 16	460/360	355/275	IV
16 < t ≤ 40	460	345	IV

Table 7.4 – Mechanical properties for Structural Sections

7.2 PLATING

Plate thicknesses for primary structural steel starts at a minimum of 10 mm and increase in 5 mm steps Secondary steel lower and upper deck plates are 8 mm thick and 10mm for laydown areas for Dropped Object Protection (DOP).

Blast walls are not to be provided on a hydrogen processing facility, as free ventilation and free explosion venting is more important, and supportable, than obstruction walls.

7.3 GRATING

Gratings are characterized by bearing bars 30 mm x 5 mm and mesh 30 mm x 50 mm.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

8 DESIGN CRITERIA AND REQUIREMENTS

8.1 GENERAL

Structures in SOW are designed in accordance with limit states approach of ISO codes 19901 and 19902, Refs./2/, /3/and /6/. For non-tubular sections, Eurocode, Ref./8/, is adopted. Member forces and moments derived from the global analyses are used for checking member strength and stability, and joint strength.

8.2 PARTIAL RESISTANCE FACTORS

8.2.1 Partial Resistance Factors for Tubular Sections:

The partial resistance factors for tubular sections from ISO 19902, Ref./6/, are listed below.

Resistance factor	Value	Definition
$\gamma_{R,t}$	1.05	Partial resistance factor for axial tensile strength
$\gamma_{R,c}$	1.18	Partial resistance factor for axial compressive strength
$\gamma_{R,b}$	1.05	Partial resistance factor for bending strength
$\gamma_{R,v}$	1.05	Partial resistance factor for shear strength
$\gamma_{R,h}$	1.25	Partial resistance factor for hoop buckling strength

Table 8.1- Resistance Factors for Tubular Sections

8.2.2 Partial Resistance Factors for Non-tubular Sections

Referring to ISO 19901-3, Ref./3/, section 8, to be consistent with ISO 19900 inherent the level of safety, a "building code correspondence factor" is to be applied to the AISC partial factors.

The partial resistance factors for non-tubular sections from Eurocode 3, Ref./8/, are listed below

Resistance factor	Value	Definition
Resistance of members and cross sections		
γ_{M0}	1.10	Cross-section resistance to excessive yield strain including local buckling
γ_{M1}	1.10	Resistance of unstable elements measured during element inspection
γ_{M2}	1.25	Tensile cross-section resistance to mechanical breakdown
Resistance of connections		
γ_{M2}	1.25	Bolts, rivets, pins, welds and slabs on supporting surface
γ_{M3}	1.25	Sliding resistance at Ultimate Limit State Category C
$\gamma_{M3,SER}$	1.10	Sliding resistance at Serviceability Limit State
γ_{M4}	1.10	Injection bolt collapse resistance
γ_{M5}	1.10	Resistance of connections in open lattice trusses

$\gamma_{M6,SER}$	1.00	Resistance of pins at Serviceability Limit State
γ_{M7}	1.10	Preload of high strength bolts

Table 8.2- Resistance for Non Tubular Section

8.2.3 Partial Resistance Factors for Tubular Joints Check

The partial resistance factors for tubular joints checks are provided in following table according to ISO 19902, Ref./6/.

Resistance factor	Value	Definition
$\gamma_{R,j}$	1.05	Partial resistance factor for joints
$\gamma_{z,j}$	1.17	Additional partial resistance factor for members during joint pre-strain collapse

Table 8.3 - Resistance Factors for Tubular Joints

8.3 LOAD CLASSIFICATIONS

Design loads are classified as either global or local within ISO 19901-3, Ref. /3/ and ISO 19902, Ref./6/ and summarized in Table 8.4.

Load Type	ISO Designation	Description
Permanent (Dead)	G1	Structure self-weight; Equipment & piping dry weight; Any actions due to misalignment of structures such as between the topside and TP
Permanent (Dead)	G2	permanent action imposed on the topsides structure by self-weight of equipment and other objects that remain constant for long periods of time, but which can change from one mode of operation to another, or during a mode of operation, bulk loads
Variable (Live)	Q1	Equipment & piping contents weight; Superimposed area loads; Ice and snow accretions
Environmental Transient	T_{Eo}	1-yr storm wind (wind in transportation conditions is assimilated to a Transient Load)
Transient	T	Transient Loads for Pre-Service Analyses (inertial loads from barge motion)

Table 8.4 - ISO Loads Classification

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

8.4 PARTIAL ACTION FACTORS

8.4.1 Partial Action Factors for Pre-Service Analysis

Partial Action Factors for Pre-Service analysis (e.g. Lifting, Transportation, Load-out) conditions are shown in Table 8.5 with reference to three design situations, according to ISO 19902, Ref./6/. where:

- G_T are the permanent actions during the transient situation;
- Q_T are the variable actions during the transient situation;
- T represents the actions from the transient situation being considered.

SITUATION	ACTION		
	Permanent (GT)	**Variable (QT)**	Transient (T)
1	1.3	1.3	1.0
2	1.1	1.1	1.35
3	0.95	0.9	1.35

Table 8.5 – Partial action factors for Pre-service Analyses

8.5 ACCEPTANCE CRITERIA

The maximum member Unity Check (UC) will be less than unity.

9 STRUCTURAL ANALYSIS

9.1 TRANSPORTATION ANALYSIS

The BLPH Platform Topside analysis in transportation conditions include permanent, variable and transient actions as wind loads and accelerations from barge motions, according to design data reported in ref./31/.

The transportation analysis is performed considering a two steps analysis with different restraint conditions, in order to ensure that the whole vertical load is sustained by the grillages only and the dynamic loads by grillages and by sea-fastening suitably designed for horizontal loads.

Partial action factors for pre-service analyses as per Table 8.5 will be considered and sixteen (16) basic combinations of wind and inertia loads are therefore defined for each design situation (± Pitch ± Heave ± Wind and ± R ± H ± Wind).

The members and joints of the Topside structure, Grillage and Seafastenings are checked in accordance with ISO 19902 and Eurocode 3, Ref./6/ and /8/, respectively for tubular and non-tubular elements.

Transportation analysis have been performed, and results are reported in ref./31/.

9.2 TRANSPORTATION ARRANGEMENT

The Topsides is to be transported on 300ft cargo barge with the Rows A and C aligned with the barge longitudinal axis.

The VERVECE barge is a standard 300ft barge, characterized by following main dimensions:

- Length: 91.50 m
- Breadth 27.40 m
- Side height: 6.10 m

The centre of rotation is assumed to be at the centre of the barge.

An overview of the transportation layout is shown in the following figure.

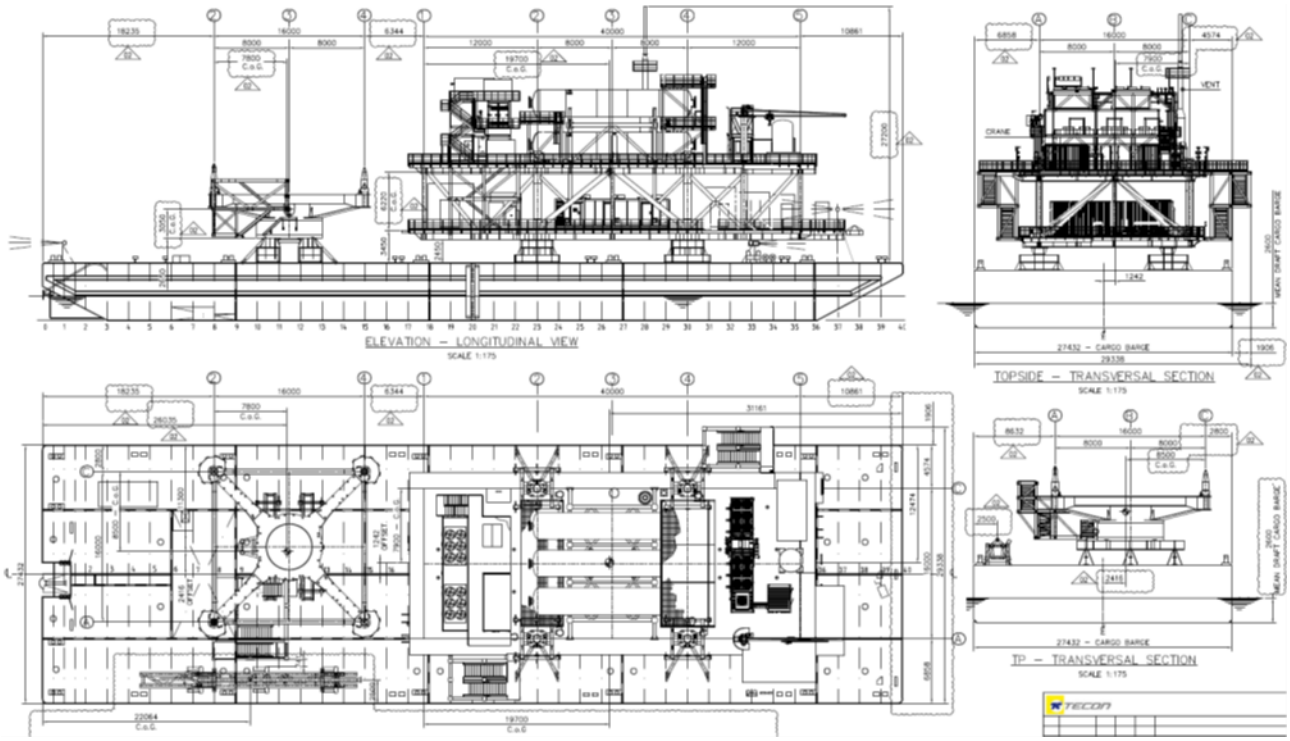


Figure 9.1 – Transportation Arrangement – Side and Plan views on VERVECE

9.3 GRILLAGE AND SEAFASTENINGS ARRANGEMENT

In the following figures, grillage and sea fastening layout for the Topside are shown. The same grillages are developed for Row A and Row C symmetrical.

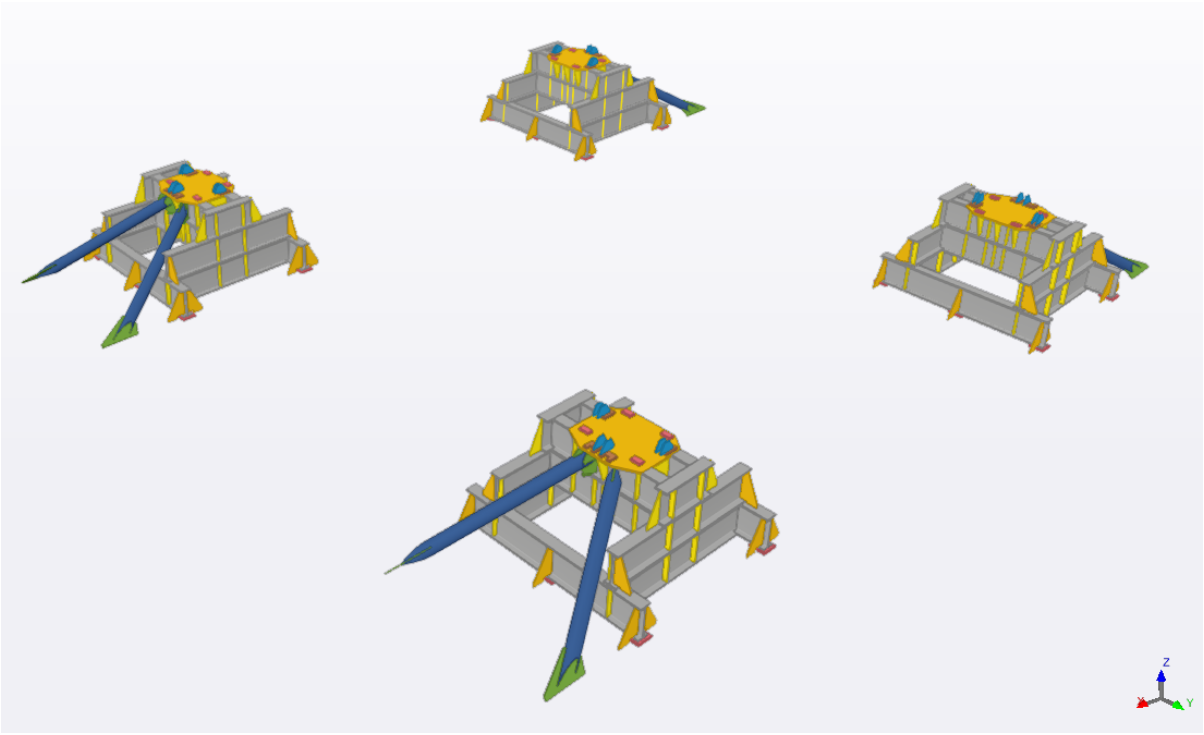


Figure 9.2 – Grillage and Sea fastening – 3D view

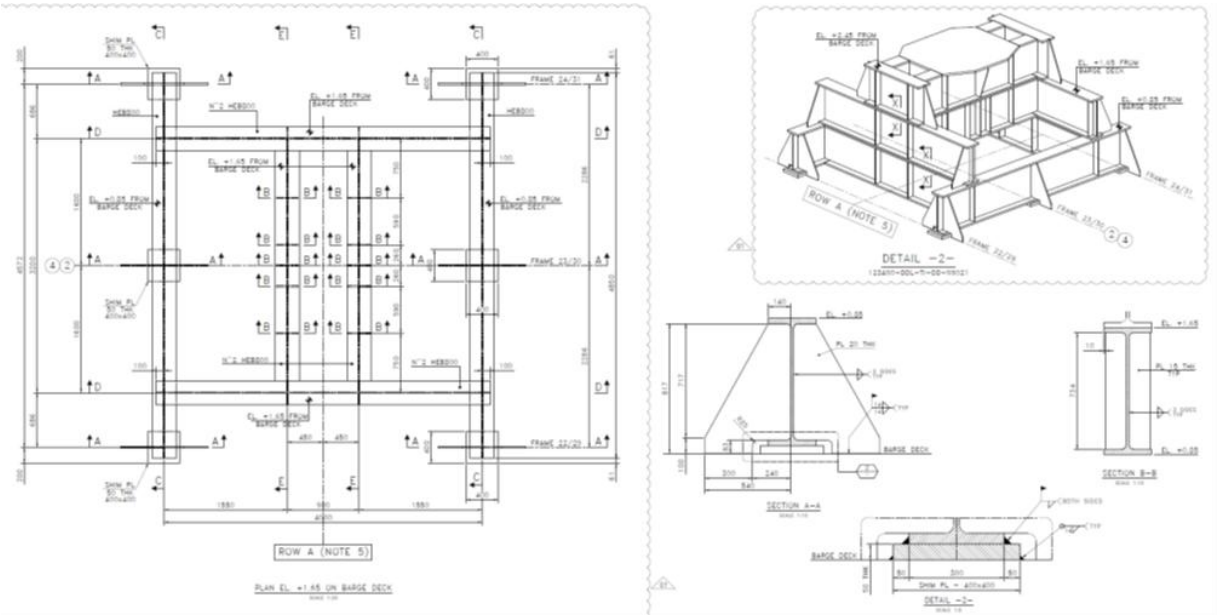


Figure 9.3 – Grillage Typ.

9.4 STRUCTURAL MODEL

The SACS structural model used for Topside Transportation analysis (Ref./31/) is used for the Grillage and Sea Fastening checks. The same analysis and the same results are used for the checks. The same analysis procedure is followed.

Complete 3D model and analysis description is reported in Topside Transportation Analysis Ref./31/.

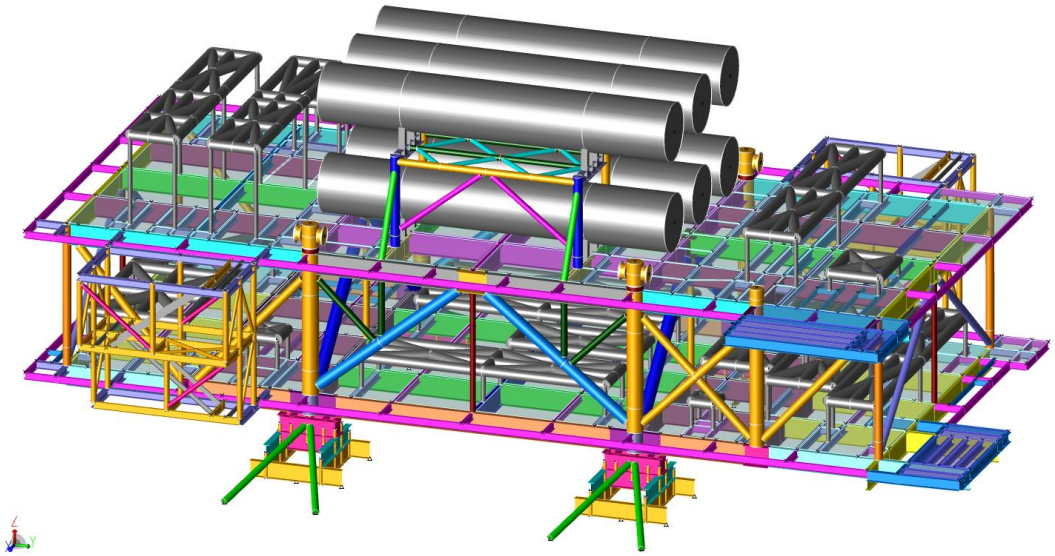


Figure 9.4 - Topside structural model in Transportation Conditions

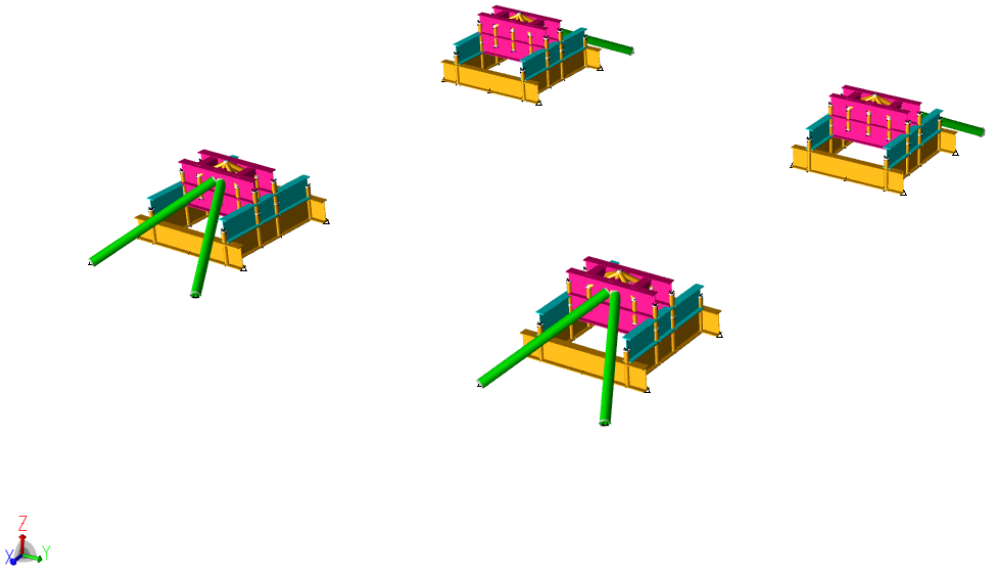


Figure 9.5 – Topside structural model in Transportation Conditions – Grillage and SF detail view

The connection between Topside and Grillage is made by rigid dummy elements that transmit vertical and horizontal forces to the two upper beams of the upper grillage, due to the presence of member release in correspondence of the joint connected to the Topside support points (- 000111). These are located at the contact area between Topside and Upper grillage, dividing the load to the top beams, at the stoppers level.

Dummy elements and respective end joints and releases are represented in following figure.

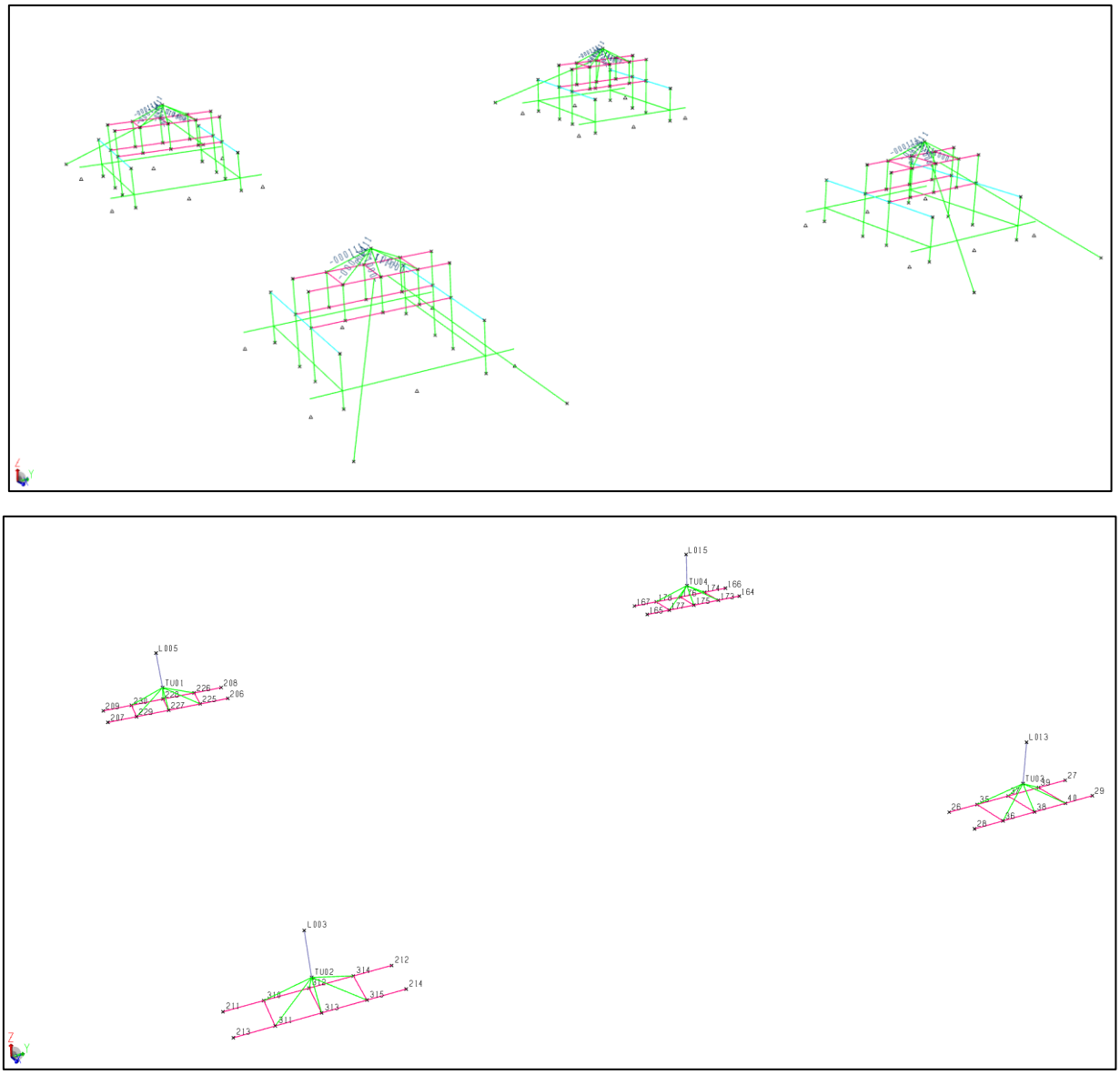


Figure 9.6 – Topside-Grillage connection - dummy elements (joint labels and member end release)

The connection between the beams of the grillage at different levels and barge deck is realized through rigid dummy elements to account for proper beam elevations and restraints.

Four sea-fastening tubular elements connect the upper grillage to barge deck, according to a symmetric restraint scheme.

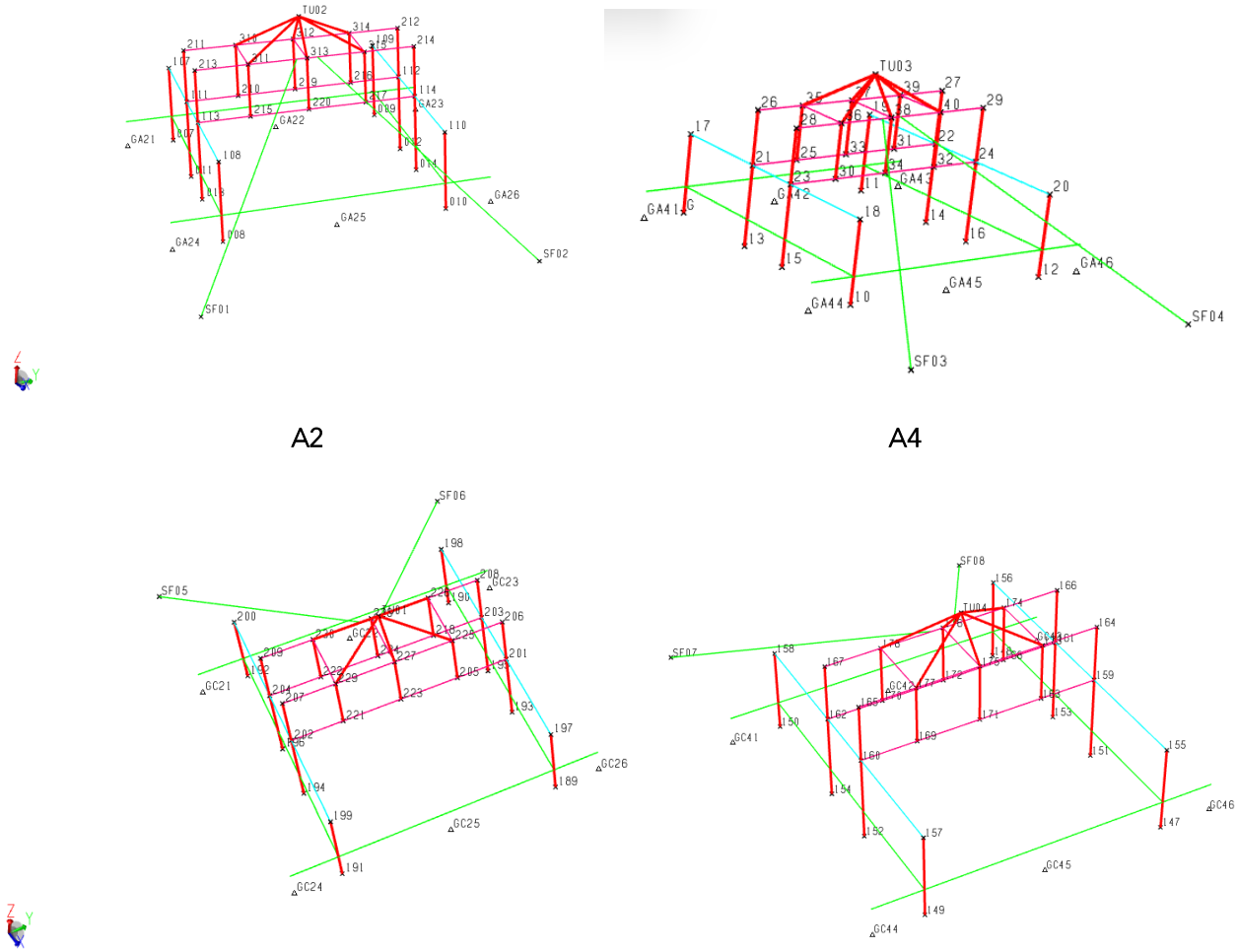


Figure 9.7 - Upper to Lower layer Grillages and to deck connection - dummy elements

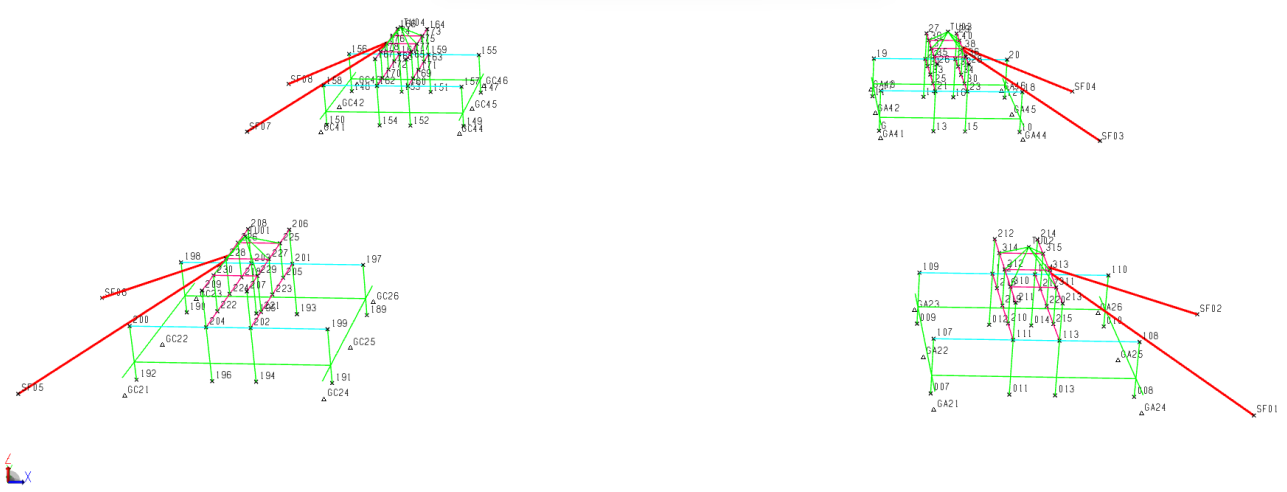


Figure 9.8 – Seafastening Elements



Figure 9.9 – Seafastening Elements release

9.5 ANALYSIS PROCEDURE

The calculation procedure adopted for transportation analysis is aimed at obtaining the correct distribution on supports of static (dead weight) and transportation loads (inertia forces due to barge motion and wind) properly accounting for grillage and lateral restraints loading sequence.

The distribution of Topsides dead weight at the cargo set-up on barge is calculated excluding the lateral restrain contribution at grillage level that are activated to resist the transportation lateral loads.

The above loading sequence is therefore analysed by two separate computer runs, with different constraint conditions. The actual loads distribution is obtained by suitably combining the two analyses with the Combine module of SACS.

In order to ensure the full compatibility and the superposition of the two analyses, the processed models are identical, only loads and constraints are different.

The process is fully described in ref./31/. In the following, external constraints assigned to the Grillage and Seafastening for the different analysis steps are shown.

STEP 1

Topsides supported in vertical direction only (dead weight). Additional horizontal restraints are introduced to avoid numerical instability.

The restraint configuration for step 1 in terms of joint fixities is shown in the following figure (0/1 digits sequences associated with each joint represent the restraint condition referred to the 6 dof, with 0 = free and 1 = fixed). Only vertical loads, load combination TWTR (see sec.10.1), are considered in Step 1 analysis.

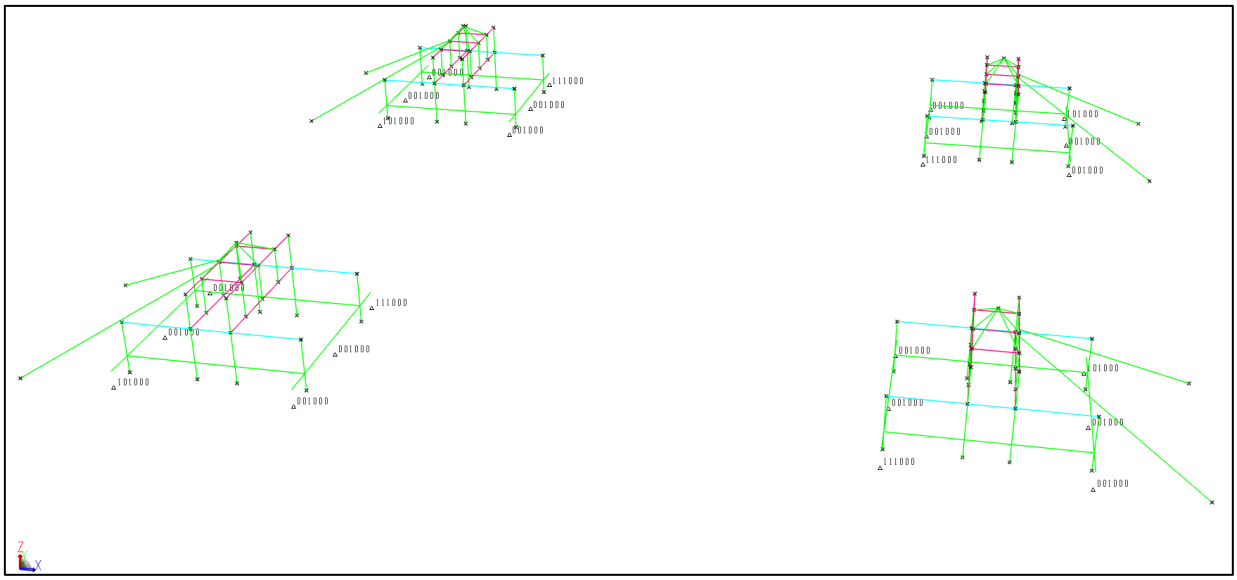


Figure 9.10 – STEP 1 – Restraint scheme

STEP 2

In this analysis the horizontal restraints provided by sea fastening and grillage, are made effective as per restraint configuration shown in the following figure.

Only transient loads (wind and inertia forces, sec.10.1) are considered in Step 2 analysis.

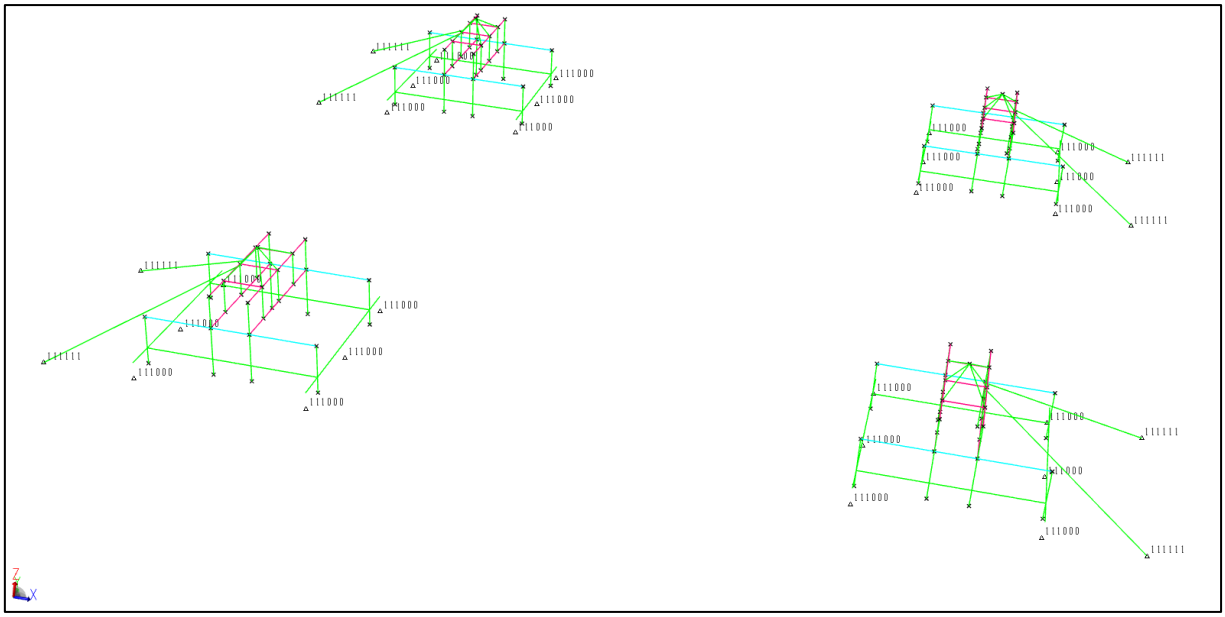


Figure 9.11 – STEP 2 – Restraint scheme

STEP 3

The two analyses above described are superimposed by SACS Combine module.

As per Transportation load combinations described in sec. 10.2, the permanent and variable loads from Analysis step 1 and Transient loads from analysis step 2 are included and suitably combined, according to the coefficients reported in sec.8.

The actual support reactions are evaluated and the resulting internal loads in members are used for the structural checks of the Topsides structure.

10 BASIC LOAD CASES & LOAD COMBINATIONS

All the design loads have defined according to the Weight Control Report and Plot Plans, respectively Ref./20/ and /21/, in terms of weights, CoG position and contingency factors. The datum for weight reporting is different to that for the SACS structural analysis. The origin for the weight reporting is at gridline intersection C1 at LAT.

10.1 BASIC LOAD CASES

Basic load cases include:

- Permanent Actions (structural weight, secondary structures, equipment dry weights, installation aids)
- Variable Actions (equipment content)
- Transportation wind loads
- Transportation Inertia forces

All the listed load cases are described in detail in the BLPH Platform Topside Transportation Analysis Report Ref./31/. In the following SACS excerpt, basic load cases summary is reported.

********** SEASTATE LOAD CASE CENTER REPORT **********
RELATIVE TO STRUCTURAL ORIGIN

LOAD CASE	LOAD LABEL	********* X - DIRECTION ********* FORCE (KN)	X (M)	Y (M)	Z (M)	********* Y - DIRECTION ********* FORCE (KN)	X (M)	Y (M)	Z (M)	********* Z - DIRECTION ********* FORCE (KN)	X (M)	Y (M)	Z (M)
1	BULK	0.00				0.00				-1312.00	0.02	-0.46	6.61
2	DEAZ	0.00	22.66	-31.90	-0.26	0.00	0.49	-5.48	12.27	-4131.10	0.36	0.99	6.72
3	DZPU	0.00				0.00				-244.10	-0.00	-0.00	13.93
4	DZTO	0.00				0.00				-3397.38	0.41	1.12	7.43
5	EQSP	0.00				0.00				-484.10	-0.37	0.03	9.45
6	GRSF	0.00				0.00				-495.20	-0.00	-0.00	1.04
7	MECC	0.00				0.00				-381.14	0.20	-4.61	10.38
8	MECD	0.00				0.00				-6951.55	-0.21	-1.92	12.41
10	TECH	0.00				0.00				-1575.46	-0.65	5.00	5.56
15	WFLO	0.00				0.00				-1087.39	0.34	0.44	6.69
16	WPER	0.00				0.00				-670.18	1.09	4.05	9.17
17	DEAC	0.00				0.00				-499.94	0.40	1.10	7.52
18	PIPE	0.00				0.00				-190.24	0.02	-0.46	6.61
19	G001	0.00				0.00				-18625.46	-0.00	0.09	9.24
20	Q002	0.00				0.00				-426.88	0.20	-4.61	10.38
22	TWTR	0.00				0.00				-19052.34	0.00	-0.01	9.27
23	WTPX	477.86	0.53	-1.05	9.89	0.00				0.00			
24	WTNX	-477.86	0.53	-1.05	9.89	0.00				0.00			
25	WTPY	0.00				312.06	0.99	-0.62	9.71	0.00			
26	WTNY	0.00				-312.06	0.99	-0.62	9.71	0.00			

* * * D Y N A M I C L O A D I N G S U M M A T I O N * * *
(MOMENTS ABOUT CENTER OF GRAVITY)
(NOTE: ASTERISK BY LOAD CASE ID INDICATES STRUCTURAL WEIGHT EXCLUDED)

LOAD CASE	* JACKET POSITION * PITCH	ROLL	YAW	** ANGULAR ACCEL ** PITCH	ROLL	YAW	*** TRANS ACCEL *** SWAY	SURGE	HEAVE	**** FORCE SUMMATION **** SWAY	SURGE	HEAVE	***** MOMENT SUMMATION ***** PITCH	ROLL	YAW
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
	------ (DEG) ------			--- (DEG/SEC**2) ---			------- (G) -------			-------- (KN) --------			-------- (KN-M) ---------		
CHCK*	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0.000	1.000	0.0	0.0	-19052.3	19151.4	-6824.2	0.0
+R+H*	0.0	0.0	0.0	0.0	-7.9	0.0	-0.410	0.000	0.128	11104.2	0.0	-2098.2	2979.2	40554.2	13248.7
+R-H*	0.0	0.0	0.0	0.0	-7.9	0.0	-0.274	0.000	-0.248	8497.7	0.0	5063.2	-4219.3	36484.3	10628.7
-R+H*	0.0	0.0	0.0	0.0	7.9	0.0	0.410	0.000	0.128	-11104.2	0.0	-2765.2	1909.4	-42296.0	-13248.7
-R-H*	0.0	0.0	0.0	0.0	7.9	0.0	0.274	0.000	-0.248	-8497.7	0.0	4396.2	-5289.2	-33096.3	-10628.7
+P+H*	0.0	0.0	0.0	-4.9	0.0	0.0	0.000	0.260	0.172	0.0	-7001.4	-834.1	43499.2	245.1	2366.6
+P-H*	0.0	0.0	0.0	-4.9	0.0	0.0	0.000	0.173	-0.219	0.0	-5351.9	6606.1	31821.8	2910.1	1775.8
-P+H*	0.0	0.0	0.0	4.9	0.0	0.0	0.000	-0.260	0.172	0.0	7001.4	-5702.9	-36928.3	-2586.5	-2366.6
-P-H*	0.0	0.0	0.0	4.9	0.0	0.0	0.000	-0.173	-0.219	0.0	5351.9	1737.4	-40208.7	78.5	-1775.8

Table 10.1 – Topside Load Cases and Combinations

10.2 TRANSPORTATION LOAD COMBINATIONS

Basic Load cases and load combinations, detailed in section 10.1, have been combined together to define the design Load Combinations to be used in the transportation analysis, according to Partial Action Factor as per sec. 8.4.1.

10.2.1 Design Load Combinations

A total of 48 load combinations, according to ISO 19902 Transportation Design Situations, have been defined as per following tables.

TRANSPORTATION LOAD COMBINATIONS - DESIGN SITUATION 1													
)	LOAD CASES												
).	TWTR	+P+H	+P-H	-P+H	-P-H	+R+H	+R-H	-R+H	-R-H	WTPX	WTNX	WTPY	WTNY
C101	1.30	1.00								1.00			
C102	1.30	1.00									1.00		
C103	1.30		1.00							1.00			
C104	1.30		1.00								1.00		
C105	1.30			1.00						1.00			
C106	1.30			1.00							1.00		
C107	1.30				1.00					1.00			
C108	1.30				1.00						1.00		
C109	1.30					1.00						1.00	
C110	1.30					1.00							1.00
C111	1.30						1.00					1.00	
C112	1.30						1.00						1.00
C113	1.30							1.00				1.00	
C114	1.30							1.00					1.00
C115	1.30								1.00			1.00	
C116	1.30								1.00				1.00

Table 10.2- Transportation Load Combinations – Design situation 1

TRANSPORTATION LOAD COMBINATIONS - DESIGN SITUATION 2													
LOAD	LOAD CASES												
COMB.	TWTR	+P+H	+P-H	-P+H	-P-H	+R+H	+R-H	-R+H	-R-H	WTPX	WTNX	WTPY	WTNY
C201	1.10	1.35								1.35			
C202	1.10	1.35									1.35		
C203	1.10		1.35							1.35			
C204	1.10		1.35								1.35		
C205	1.10			1.35						1.35			
C206	1.10			1.35							1.35		
C207	1.10				1.35					1.35			
C208	1.10				1.35						1.35		
C209	1.10					1.35						1.35	
C210	1.10					1.35							1.35
C211	1.10						1.35					1.35	
C212	1.10						1.35						1.35
C213	1.10							1.35				1.35	
C214	1.10							1.35					1.35
C215	1.10								1.35			1.35	
C216	1.10								1.35				1.35

Table 10.3 - Transportation Load Combinations – Design situation 2

TRANSPORTATION LOAD COMBINATIONS - DESIGN SITUATION 3													
LOAD	LOAD CASES												
COMB.	TWTR	+P+H	+P-H	-P+H	-P-H	+R+H	+R-H	-R+H	-R-H	WTPX	WTNX	WTPY	WTNY
C301	0.90	1.35								1.35			
C302	0.90	1.35									1.35		
C303	0.90		1.35							1.35			
C304	0.90		1.35								1.35		
C305	0.90			1.35						1.35			
C306	0.90			1.35							1.35		
C307	0.90				1.35					1.35			
C308	0.90				1.35						1.35		
C309	0.90					1.35						1.35	
C310	0.90					1.35							1.35
C311	0.90						1.35					1.35	
C312	0.90						1.35						1.35
C313	0.90							1.35				1.35	
C314	0.90							1.35					1.35
C315	0.90								1.35			1.35	
C316	0.90								1.35				1.35

Table 10.4 - Transportation Load Combinations – Design situation 3

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

10.2.2 Load Combinations Summary

Following excerpt from SACS output provide the Load Combinations resultants.

FORCES AND MOMENTS SUMMARY
*** MOMENTS SUMMED ABOUT ORIGIN ***

LOAD CASE	FORCE(X)	FORCE(Y)	FORCE(Z)	MOMENT(X)	MOMENT(Y)	MOMENT(Z)
	********** KN **********			********** KN-M **********		
C101	0.000	6689.267	25602.113	-86986.391	-670.040	-137.710
C102	0.000	7313.383	25602.117	-93046.117	-670.057	480.540
C103	0.000	5039.915	18161.830	-71612.594	-637.914	-144.802
C104	0.000	5664.030	18161.832	-77672.312	-637.919	473.449
C105	0.000	-7313.384	30470.885	92425.281	396.560	-480.528
C106	0.000	-6689.269	30470.885	86365.523	396.563	137.721
C107	0.000	-5663.919	23030.598	77223.711	428.712	-473.407
C108	0.000	-5039.804	23030.596	71163.969	428.711	144.841
C109	-11582.059	0.000	26866.166	-1166.667	-120822.805	-2718.484
C110	-10626.331	0.000	26866.168	-1166.647	-111368.477	-1713.036
C111	-8975.558	-0.000	19704.809	-1083.494	-96632.875	-2688.266
C112	-8019.829	-0.000	19704.809	-1083.489	-87178.562	-1682.825
C113	10626.409	0.000	27533.150	565.843	111102.250	1713.313
C114	11582.135	0.000	27533.148	565.802	120556.578	2718.756
C115	8019.904	0.000	20371.811	649.048	86974.836	1682.805
C116	8975.632	0.000	20371.816	649.041	96429.156	2688.254
C201	0.000	9030.511	22083.615	-117294.492	-842.784	-185.908
C202	0.000	9873.067	22083.617	-125475.133	-842.778	648.731
C203	-0.000	6803.885	12039.229	-96539.867	-799.406	-195.483
C204	-0.000	7646.442	12039.228	-104720.508	-799.404	639.157
C205	0.000	-9873.069	28656.449	124911.227	597.134	-648.717
C206	0.000	-9030.512	28656.451	116730.617	597.142	185.925
C207	0.000	-7646.292	18612.061	104389.141	640.548	-639.100
C208	-0.000	-6803.736	18612.064	96208.484	640.542	195.533
C209	-15635.782	0.000	23790.084	-1437.840	-163048.984	-3669.959
C210	-14345.547	-0.000	23790.084	-1437.845	-150285.656	-2312.594
C211	-12117.003	0.000	14122.248	-1325.584	-130392.617	-3629.146
C212	-10826.771	0.000	14122.250	-1325.581	-117629.266	-2271.801
C213	14345.651	-0.000	24690.512	900.987	150049.812	2312.975
C214	15635.884	0.000	24690.516	900.992	162813.188	3670.324
C215	10826.870	0.000	15022.707	1013.345	117477.797	2271.798
C216	12117.104	-0.000	15022.708	1013.340	130241.148	3629.139
C301	0.000	9030.511	18273.158	-117252.609	-823.915	-185.910
C302	0.000	9873.068	18273.156	-125433.250	-823.920	648.729
C303	0.000	6803.885	8228.772	-96497.992	-780.534	-195.484
C304	-0.000	7646.441	8228.772	-104678.625	-780.538	639.157
C305	0.000	-9873.069	24845.994	124953.109	616.007	-648.717
C306	0.000	-9030.513	24845.998	116772.477	616.007	185.927
C307	0.000	-7646.292	14801.604	104431.023	659.413	-639.103
C308	-0.000	-6803.736	14801.608	96250.367	659.405	195.535
C309	-15635.781	0.000	19979.625	-1395.974	-163030.125	-3669.952
C310	-14345.548	-0.000	19979.623	-1395.979	-150266.781	-2312.601
C311	-12117.003	0.000	10311.791	-1283.708	-130373.750	-3629.146
C312	-10826.771	0.000	10311.791	-1283.704	-117610.414	-2271.801
C313	14345.651	-0.000	20880.057	942.863	150068.703	2312.968
C314	15635.884	0.000	20880.055	942.859	162832.031	3670.317
C315	10826.870	0.000	11212.249	1055.216	117496.672	2271.798
C316	12117.104	-0.000	11212.252	1055.218	130260.023	3629.146

Table 10.5 – Topside Load Combinations for Transportation Analysis

11 ANALYSIS RESULTS

This section presents the results of the performed Transportation analysis in terms of:

- Reaction forces at barge deck and internal forces of dummy elements at grillage connections;
- Structural checks of structural members belonging to grillage and seafastening;
- Local checks of grillage and seafastening;
- Barge max. reaction checks.

Checks are performed on the Grillage and Seafastening only, for transportation conditions.

Checks of Topside structures are not covered by this document. They are reported in Ref./31/.

11.1 REACTION FORCES

11.1.1 Base reaction forces at barge deck

Maximum and minimum base reaction forces for Transition Piece in transportation conditions, are reported in the following tables. Reactions are read in correspondence of sea fastening and lower grillage connections to barge deck in global reference system. An envelope of base reaction forces at barge deck is also provided.

JOINT	Rx [kN]				Ry [kN]				Rz [kN]				MOMENT(X) [kNm]				MOMENT(Y) [kNm]				MOMENT(Z) [kNm]			
	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND	MAX	LCOND	MIN	LCOND
GA21	8	C314	-36	C209	420	C302	-374	C207	1547	C202	-30	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA22	20	C214	-18	C209	13	C202	-13	C205	1636	C102	50	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA23	22	C214	-19	C209	196	C216	-163	C209	1201	C109	77	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA24	23	C214	-23	C209	417	C202	-362	C207	1585	C202	-36	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA25	21	C214	-21	C209	78	C205	-75	C202	1682	C109	272	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA26	17	C314	-37	C209	270	C216	-253	C209	1367	C109	99	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA41	23	C214	-19	C309	146	C209	-151	C316	1263	C105	189	C309	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA42	20	C214	-18	C209	13	C202	-13	C205	1776	C205	50	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA43	22	C214	-20	C209	456	C204	-517	C205	1737	C205	-257	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA44	25	C214	-25	C209	217	C209	-237	C216	1285	C105	108	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA45	21	C214	-21	C209	74	C205	-77	C202	1825	C205	50	C316	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GA46	12	C314	-38	C209	458	C204	-515	C205	1785	C205	-280	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC21	38	C214	-11	C309	410	C202	-354	C207	1547	C202	-39	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC22	21	C214	-21	C209	76	C205	-74	C202	1662	C114	231	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC23	27	C214	-26	C209	275	C211	-261	C214	1362	C214	28	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC24	19	C214	-22	C209	418	C202	-358	C207	1511	C202	-29	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC25	18	C214	-20	C209	13	C202	-13	C205	1591	C102	357	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC26	22	C214	-20	C309	189	C311	-183	C214	1197	C114	157	C307	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC41	36	C214	-17	C309	236	C214	-257	C211	1340	C114	77	C311	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC42	21	C214	-21	C209	75	C205	-77	C202	1863	C205	103	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC43	24	C214	-24	C209	464	C204	-521	C205	1819	C205	-275	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC44	19	C214	-22	C209	146	C214	-184	C211	1278	C105	0	C309	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC45	18	C214	-20	C209	13	C202	-13	C205	1812	C205	125	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
GC46	33	C214	-11	C309	466	C204	-519	C305	1768	C205	-252	C304	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF01	1695	C214	-1870	C209	1078	C209	-977	C214	1010	C209	-915	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF02	1906	C214	-2164	C209	1099	C214	-1248	C209	1169	C209	-1029	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF03	1771	C214	-2016	C209	1162	C209	-1021	C214	1089	C209	-956	C214	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF04	1774	C202	-1995	C205	1024	C202	-1152	C205	1079	C205	-958	C202	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF05	1895	C214	-1707	C209	1092	C214	-984	C209	1024	C214	-922	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF06	2179	C214	-1933	C209	1114	C209	-1256	C214	1177	C214	-1043	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF07	2061	C214	-1826	C209	1188	C214	-1053	C209	1113	C214	-986	C209	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101
SF08	2018	C205	-1784	C202	1030	C202	-1165	C205	1091	C205	-964	C202	0	C101	0	C101	0	C101	0	C101	0	C101	0	C101

Table 11.1 – TP base reaction forces in Transportation Conditions – Summary Envelope

Base reaction forces at barge deck for all load combinations are reported in following SACS excerpt with reference to STEP 3 analysis, final transportation configuration.

SACS-IV SYSTEM FIXED JOINTS REACTION FORCES AND MOMENTS

JOINT NUMBER	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
ROW A2							
GA21	C101	-15.018	283.533	1453.745	0.000	0.000	0.000
	C102	-14.649	306.767	1492.647	0.000	0.000	0.000
	C103	-18.745	121.502	1111.604	0.000	0.000	0.000
	C104	-18.376	144.737	1150.506	0.000	0.000	0.000
	C105	-22.522	-231.892	583.793	0.000	0.000	0.000
	C106	-22.153	-208.657	622.695	0.000	0.000	0.000
	C107	-24.811	-280.037	430.176	0.000	0.000	0.000
	C108	-24.442	-256.803	469.078	0.000	0.000	0.000
	C109	-34.221	81.385	1154.696	0.000	0.000	0.000
	C110	-32.913	78.905	1146.764	0.000	0.000	0.000
	C111	-33.312	-27.219	895.906	0.000	0.000	0.000
	C112	-32.005	-29.699	887.974	0.000	0.000	0.000
	C113	-4.934	-27.670	873.916	0.000	0.000	0.000
	C114	-3.627	-30.150	865.984	0.000	0.000	0.000
	C115	-11.633	-121.366	655.526	0.000	0.000	0.000
	C116	-10.326	-123.846	647.594	0.000	0.000	0.000
	C201	-10.244	387.167	1494.319	0.000	0.000	0.000
	C202	-9.746	418.533	1546.837	0.000	0.000	0.000
	C203	-15.276	168.426	1032.429	0.000	0.000	0.000
	C204	-14.777	199.792	1084.947	0.000	0.000	0.000
	C205	-20.375	-308.656	319.885	0.000	0.000	0.000
	C206	-19.877	-277.289	372.403	0.000	0.000	0.000
	C207	-23.465	-373.652	112.501	0.000	0.000	0.000
	C208	-22.967	-342.286	165.019	0.000	0.000	0.000
	C209	-36.168	114.268	1090.604	0.000	0.000	0.000
	C210	-34.403	110.920	1079.895	0.000	0.000	0.000
	C211	-34.942	-32.348	741.237	0.000	0.000	0.000
	C212	-33.176	-35.696	730.528	0.000	0.000	0.000
	C213	3.369	-32.956	711.550	0.000	0.000	0.000
	C214	5.134	-36.304	700.842	0.000	0.000	0.000
	C215	-5.675	-159.445	416.724	0.000	0.000	0.000
	C216	-3.909	-162.793	406.015	0.000	0.000	0.000
	C301	-7.182	388.510	1351.346	0.000	0.000	0.000
	C302	-6.684	419.876	1403.864	0.000	0.000	0.000
	C303	-12.213	169.769	889.456	0.000	0.000	0.000
	C304	-11.715	201.135	941.974	0.000	0.000	0.000
	C305	-17.312	-307.313	176.912	0.000	0.000	0.000
	C306	-16.814	-275.946	229.430	0.000	0.000	0.000
	C307	-20.402	-372.309	-30.472	0.000	0.000	0.000
	C308	-19.904	-340.943	22.046	0.000	0.000	0.000
	C309	-33.106	115.611	947.631	0.000	0.000	0.000
	C310	-31.341	112.263	936.922	0.000	0.000	0.000
	C311	-31.879	-31.005	598.264	0.000	0.000	0.000
	C312	-30.114	-34.353	587.555	0.000	0.000	0.000
	C313	6.432	-31.613	568.578	0.000	0.000	0.000
	C314	8.197	-34.961	557.869	0.000	0.000	0.000
	C315	-2.612	-158.102	273.751	0.000	0.000	0.000
	C316	-0.847	-161.451	263.043	0.000	0.000	0.000
GA22	C101	3.903	9.265	1613.540	0.000	0.000	0.000
	C102	4.228	9.597	1635.798	0.000	0.000	0.000
	C103	1.282	6.779	1289.382	0.000	0.000	0.000
	C104	1.607	7.111	1311.640	0.000	0.000	0.000
	C105	-2.468	-9.733	1092.335	0.000	0.000	0.000
	C106	-2.143	-9.401	1114.593	0.000	0.000	0.000
	C107	-3.854	-6.938	875.796	0.000	0.000	0.000
	C108	-3.529	-6.605	898.054	0.000	0.000	0.000
	C109	-13.552	-0.361	1503.323	0.000	0.000	0.000
	C110	-12.357	-0.315	1492.352	0.000	0.000	0.000
	C111	-11.985	-0.157	1218.697	0.000	0.000	0.000
	C112	-10.790	-0.111	1207.726	0.000	0.000	0.000
	C113	13.666	0.214	1174.966	0.000	0.000	0.000
	C114	14.861	0.260	1163.995	0.000	0.000	0.000
	C115	8.243	0.308	939.161	0.000	0.000	0.000
	C116	9.438	0.354	928.190	0.000	0.000	0.000
	C201	5.269	12.507	1550.840	0.000	0.000	0.000
	C202	5.708	12.956	1580.888	0.000	0.000	0.000
	C203	1.731	9.152	1113.226	0.000	0.000	0.000
	C204	2.170	9.600	1143.274	0.000	0.000	0.000
	C205	-3.332	-13.140	847.213	0.000	0.000	0.000
	C206	-2.893	-12.691	877.261	0.000	0.000	0.000
	C207	-5.203	-9.366	554.885	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C208	-4.764	-8.917	584.933	0.000	0.000	0.000
	C209	-18.295	-0.488	1402.046	0.000	0.000	0.000
	C210	-16.682	-0.425	1387.235	0.000	0.000	0.000
	C211	-16.179	-0.212	1017.801	0.000	0.000	0.000
	C212	-14.566	-0.149	1002.990	0.000	0.000	0.000
	C213	18.450	0.289	958.765	0.000	0.000	0.000
	C214	20.063	0.351	943.954	0.000	0.000	0.000
	C215	11.128	0.415	640.428	0.000	0.000	0.000
	C216	12.741	0.478	625.618	0.000	0.000	0.000
	C301	5.269	12.507	1359.255	0.000	0.000	0.000
	C302	5.708	12.956	1389.303	0.000	0.000	0.000
	C303	1.731	9.152	921.641	0.000	0.000	0.000
	C304	2.170	9.600	951.689	0.000	0.000	0.000
	C305	-3.332	-13.140	655.628	0.000	0.000	0.000
	C306	-2.893	-12.691	685.676	0.000	0.000	0.000
	C307	-5.203	-9.366	363.301	0.000	0.000	0.000
	C308	-4.764	-8.917	393.348	0.000	0.000	0.000
	C309	-18.295	-0.488	1210.462	0.000	0.000	0.000
	C310	-16.682	-0.425	1195.651	0.000	0.000	0.000
	C311	-16.179	-0.212	826.216	0.000	0.000	0.000
	C312	-14.566	-0.149	811.406	0.000	0.000	0.000
	C313	18.450	0.289	767.180	0.000	0.000	0.000
	C314	20.063	0.351	752.369	0.000	0.000	0.000
	C315	11.128	0.415	448.844	0.000	0.000	0.000
	C316	12.741	0.478	434.033	0.000	0.000	0.000
GA23	C101	5.914	-13.628	1114.347	0.000	0.000	0.000
	C102	6.400	-8.927	1117.911	0.000	0.000	0.000
	C103	1.994	92.325	841.591	0.000	0.000	0.000
	C104	2.479	97.026	845.155	0.000	0.000	0.000
	C105	-3.805	-94.856	988.999	0.000	0.000	0.000
	C106	-3.319	-90.156	992.563	0.000	0.000	0.000
	C107	-5.791	35.436	733.018	0.000	0.000	0.000
	C108	-5.306	40.136	736.582	0.000	0.000	0.000
	C109	-14.441	-120.505	1201.134	0.000	0.000	0.000
	C110	-13.117	-114.124	1188.266	0.000	0.000	0.000
	C111	-13.460	5.288	920.600	0.000	0.000	0.000
	C112	-12.137	11.670	907.732	0.000	0.000	0.000
	C113	15.048	36.912	859.174	0.000	0.000	0.000
	C114	16.372	43.294	846.306	0.000	0.000	0.000
	C115	8.382	138.506	630.793	0.000	0.000	0.000
	C116	9.705	144.888	617.925	0.000	0.000	0.000
	C201	7.984	-18.397	1032.105	0.000	0.000	0.000
	C202	8.640	-12.052	1036.917	0.000	0.000	0.000
	C203	2.692	124.639	663.885	0.000	0.000	0.000
	C204	3.347	130.985	668.696	0.000	0.000	0.000
	C205	-5.136	-128.056	862.885	0.000	0.000	0.000
	C206	-4.481	-121.710	867.697	0.000	0.000	0.000
	C207	-7.818	47.838	517.312	0.000	0.000	0.000
	C208	-7.163	54.184	522.123	0.000	0.000	0.000
	C209	-19.495	-162.682	1149.267	0.000	0.000	0.000
	C210	-17.708	-154.067	1131.896	0.000	0.000	0.000
	C211	-18.171	7.139	770.546	0.000	0.000	0.000
	C212	-16.384	15.754	753.175	0.000	0.000	0.000
	C213	20.314	49.831	687.622	0.000	0.000	0.000
	C214	22.102	58.446	670.250	0.000	0.000	0.000
	C215	11.315	186.983	379.307	0.000	0.000	0.000
	C216	13.102	195.598	361.936	0.000	0.000	0.000
	C301	7.984	-18.397	887.903	0.000	0.000	0.000
	C302	8.640	-12.052	892.714	0.000	0.000	0.000
	C303	2.692	124.639	519.682	0.000	0.000	0.000
	C304	3.347	130.985	524.493	0.000	0.000	0.000
	C305	-5.136	-128.056	718.683	0.000	0.000	0.000
	C306	-4.481	-121.710	723.494	0.000	0.000	0.000
	C307	-7.818	47.838	373.109	0.000	0.000	0.000
	C308	-7.163	54.184	377.921	0.000	0.000	0.000
	C309	-19.495	-162.682	1005.065	0.000	0.000	0.000
	C310	-17.708	-154.067	987.693	0.000	0.000	0.000
	C311	-18.171	7.139	626.344	0.000	0.000	0.000
	C312	-16.384	15.754	608.972	0.000	0.000	0.000
	C313	20.314	49.831	543.419	0.000	0.000	0.000
	C314	22.102	58.446	526.048	0.000	0.000	0.000
	C315	11.315	186.983	235.105	0.000	0.000	0.000
	C316	13.102	195.598	217.733	0.000	0.000	0.000
GA24	C101	-11.091	286.957	1489.500	0.000	0.000	0.000
	C102	-12.136	309.032	1528.463	0.000	0.000	0.000
	C103	-8.489	118.829	1128.038	0.000	0.000	0.000
	C104	-9.534	140.904	1167.000	0.000	0.000	0.000
	C105	12.293	-209.541	605.716	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C106	11.248	-187.465	644.679	0.000	0.000	0.000
	C107	9.333	-267.883	436.562	0.000	0.000	0.000
	C108	8.288	-245.808	475.525	0.000	0.000	0.000
	C109	-17.128	159.589	1326.788	0.000	0.000	0.000
	C110	-15.760	150.706	1304.981	0.000	0.000	0.000
	C111	-13.191	28.459	1019.325	0.000	0.000	0.000
	C112	-11.823	19.576	997.517	0.000	0.000	0.000
	C113	15.877	-76.687	769.516	0.000	0.000	0.000
	C114	17.245	-85.570	747.709	0.000	0.000	0.000
	C115	11.596	-163.541	566.248	0.000	0.000	0.000
	C116	12.964	-172.424	544.441	0.000	0.000	0.000
	C201	-14.973	387.392	1531.901	0.000	0.000	0.000
	C202	-16.384	417.193	1584.501	0.000	0.000	0.000
	C203	-11.460	160.419	1043.927	0.000	0.000	0.000
	C204	-12.870	190.221	1096.526	0.000	0.000	0.000
	C205	16.596	-282.880	338.793	0.000	0.000	0.000
	C206	15.185	-253.078	391.392	0.000	0.000	0.000
	C207	12.600	-361.642	110.435	0.000	0.000	0.000
	C208	11.189	-331.841	163.035	0.000	0.000	0.000
	C209	-23.122	215.445	1312.240	0.000	0.000	0.000
	C210	-21.276	203.453	1282.800	0.000	0.000	0.000
	C211	-17.808	38.419	897.164	0.000	0.000	0.000
	C212	-15.961	26.427	867.724	0.000	0.000	0.000
	C213	21.434	-103.528	559.923	0.000	0.000	0.000
	C214	23.280	-115.520	530.483	0.000	0.000	0.000
	C215	15.655	-220.780	285.511	0.000	0.000	0.000
	C216	17.502	-232.773	256.071	0.000	0.000	0.000
	C301	-14.973	387.392	1385.665	0.000	0.000	0.000
	C302	-16.384	417.193	1438.265	0.000	0.000	0.000
	C303	-11.460	160.419	897.690	0.000	0.000	0.000
	C304	-12.870	190.221	950.290	0.000	0.000	0.000
	C305	16.596	-282.880	192.556	0.000	0.000	0.000
	C306	15.185	-253.078	245.156	0.000	0.000	0.000
	C307	12.600	-361.642	-35.801	0.000	0.000	0.000
	C308	11.189	-331.841	16.798	0.000	0.000	0.000
	C309	-23.122	215.445	1166.003	0.000	0.000	0.000
	C310	-21.276	203.453	1136.563	0.000	0.000	0.000
	C311	-17.808	38.419	750.928	0.000	0.000	0.000
	C312	-15.961	26.427	721.488	0.000	0.000	0.000
	C313	21.434	-103.528	413.686	0.000	0.000	0.000
	C314	23.280	-115.520	384.246	0.000	0.000	0.000
	C315	15.655	-220.780	139.275	0.000	0.000	0.000
	C316	17.502	-232.773	109.834	0.000	0.000	0.000
GA25	C101	1.696	-49.817	1647.566	0.000	0.000	0.000
	C102	1.890	-55.465	1669.697	0.000	0.000	0.000
	C103	1.032	-40.457	1303.014	0.000	0.000	0.000
	C104	1.226	-46.104	1325.145	0.000	0.000	0.000
	C105	-1.566	57.779	1115.853	0.000	0.000	0.000
	C106	-1.372	52.132	1137.984	0.000	0.000	0.000
	C107	-1.639	43.148	881.930	0.000	0.000	0.000
	C108	-1.445	37.501	904.062	0.000	0.000	0.000
	C109	-15.558	6.144	1681.955	0.000	0.000	0.000
	C110	-14.253	5.355	1656.480	0.000	0.000	0.000
	C111	-12.169	2.669	1345.836	0.000	0.000	0.000
	C112	-10.865	1.880	1320.362	0.000	0.000	0.000
	C113	14.494	-3.633	1064.004	0.000	0.000	0.000
	C114	15.799	-4.422	1038.530	0.000	0.000	0.000
	C115	10.396	-5.230	843.331	0.000	0.000	0.000
	C116	11.701	-6.018	817.856	0.000	0.000	0.000
	C201	2.289	-67.254	1586.490	0.000	0.000	0.000
	C202	2.552	-74.877	1616.368	0.000	0.000	0.000
	C203	1.393	-54.616	1121.345	0.000	0.000	0.000
	C204	1.655	-62.240	1151.222	0.000	0.000	0.000
	C205	-2.115	78.002	868.678	0.000	0.000	0.000
	C206	-1.852	70.379	898.556	0.000	0.000	0.000
	C207	-2.213	58.250	552.883	0.000	0.000	0.000
	C208	-1.951	50.627	582.760	0.000	0.000	0.000
	C209	-21.003	8.294	1632.916	0.000	0.000	0.000
	C210	-19.242	7.229	1598.525	0.000	0.000	0.000
	C211	-16.429	3.603	1179.156	0.000	0.000	0.000
	C212	-14.667	2.538	1144.765	0.000	0.000	0.000
	C213	19.567	-4.905	798.682	0.000	0.000	0.000
	C214	21.329	-5.970	764.292	0.000	0.000	0.000
	C215	14.035	-7.060	500.774	0.000	0.000	0.000
	C216	15.796	-8.125	466.383	0.000	0.000	0.000
	C301	2.289	-67.254	1391.766	0.000	0.000	0.000
	C302	2.552	-74.877	1421.643	0.000	0.000	0.000
	C303	1.393	-54.616	926.620	0.000	0.000	0.000
	C304	1.655	-62.240	956.497	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C305	-2.115	78.002	673.954	0.000	0.000	0.000
	C306	-1.852	70.379	703.831	0.000	0.000	0.000
	C307	-2.213	58.250	358.158	0.000	0.000	0.000
	C308	-1.951	50.627	388.035	0.000	0.000	0.000
	C309	-21.003	8.294	1438.191	0.000	0.000	0.000
	C310	-19.242	7.229	1403.801	0.000	0.000	0.000
	C311	-16.429	3.603	984.431	0.000	0.000	0.000
	C312	-14.667	2.538	950.040	0.000	0.000	0.000
	C313	19.567	-4.905	603.958	0.000	0.000	0.000
	C314	21.329	-5.970	569.567	0.000	0.000	0.000
	C315	14.035	-7.060	306.049	0.000	0.000	0.000
	C316	15.796	-8.125	271.658	0.000	0.000	0.000
GA26	C101	0.491	-29.280	1139.063	0.000	0.000	0.000
	C102	1.848	-25.542	1142.222	0.000	0.000	0.000
	C103	-1.700	86.972	847.908	0.000	0.000	0.000
	C104	-0.344	90.711	851.067	0.000	0.000	0.000
	C105	-27.216	-84.531	1009.739	0.000	0.000	0.000
	C106	-25.859	-80.793	1012.898	0.000	0.000	0.000
	C107	-23.140	49.777	736.866	0.000	0.000	0.000
	C108	-21.783	53.515	740.025	0.000	0.000	0.000
	C109	-32.011	-187.672	1367.293	0.000	0.000	0.000
	C110	-30.307	-175.184	1340.485	0.000	0.000	0.000
	C111	-26.596	-40.659	1037.799	0.000	0.000	0.000
	C112	-24.893	-28.170	1010.991	0.000	0.000	0.000
	C113	5.152	93.294	748.036	0.000	0.000	0.000
	C114	6.855	105.783	721.228	0.000	0.000	0.000
	C115	1.550	187.446	534.646	0.000	0.000	0.000
	C116	3.254	199.935	507.837	0.000	0.000	0.000
	C201	6.846	-39.528	1058.028	0.000	0.000	0.000
	C202	8.677	-34.481	1062.293	0.000	0.000	0.000
	C203	3.887	117.413	664.968	0.000	0.000	0.000
	C204	5.718	122.459	669.233	0.000	0.000	0.000
	C205	-30.559	-114.116	883.441	0.000	0.000	0.000
	C206	-28.727	-109.070	887.706	0.000	0.000	0.000
	C207	-25.057	67.199	515.062	0.000	0.000	0.000
	C208	-23.225	72.246	519.327	0.000	0.000	0.000
	C209	-37.032	-253.358	1366.139	0.000	0.000	0.000
	C210	-34.733	-236.498	1329.948	0.000	0.000	0.000
	C211	-29.723	-54.889	921.322	0.000	0.000	0.000
	C212	-27.423	-38.030	885.132	0.000	0.000	0.000
	C213	13.137	125.947	530.142	0.000	0.000	0.000
	C214	15.437	142.806	493.951	0.000	0.000	0.000
	C215	8.275	253.052	242.065	0.000	0.000	0.000
	C216	10.575	269.912	205.874	0.000	0.000	0.000
	C301	8.733	-39.528	911.553	0.000	0.000	0.000
	C302	10.565	-34.481	915.818	0.000	0.000	0.000
	C303	5.774	117.413	518.493	0.000	0.000	0.000
	C304	7.606	122.459	522.758	0.000	0.000	0.000
	C305	-28.671	-114.116	736.966	0.000	0.000	0.000
	C306	-26.840	-109.070	741.231	0.000	0.000	0.000
	C307	-23.169	67.199	368.587	0.000	0.000	0.000
	C308	-21.338	72.246	372.852	0.000	0.000	0.000
	C309	-35.145	-253.358	1219.663	0.000	0.000	0.000
	C310	-32.845	-236.498	1183.472	0.000	0.000	0.000
	C311	-27.835	-54.889	774.847	0.000	0.000	0.000
	C312	-25.536	-38.030	738.656	0.000	0.000	0.000
	C313	15.025	125.947	383.666	0.000	0.000	0.000
	C314	17.324	142.806	347.475	0.000	0.000	0.000
	C315	10.163	253.052	95.589	0.000	0.000	0.000
	C316	12.462	269.912	59.398	0.000	0.000	0.000

ROW A4

GA41	C101	-4.496	38.214	813.965	0.000	0.000	0.000
	C102	-4.973	43.111	810.703	0.000	0.000	0.000
	C103	-6.532	-90.388	562.409	0.000	0.000	0.000
	C104	-7.008	-85.491	559.147	0.000	0.000	0.000
	C105	8.850	99.061	1262.737	0.000	0.000	0.000
	C106	8.374	103.958	1259.476	0.000	0.000	0.000
	C107	4.907	-3.609	996.603	0.000	0.000	0.000
	C108	4.430	1.288	993.341	0.000	0.000	0.000
	C109	-14.046	115.511	1136.074	0.000	0.000	0.000
	C110	-12.904	112.311	1128.289	0.000	0.000	0.000
	C111	-12.933	-4.310	868.693	0.000	0.000	0.000
	C112	-11.791	-7.510	860.908	0.000	0.000	0.000
	C113	16.109	3.851	886.931	0.000	0.000	0.000
	C114	17.251	0.651	879.146	0.000	0.000	0.000
	C115	9.241	-98.933	656.024	0.000	0.000	0.000
	C116	10.383	-102.133	648.239	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C201	-6.385	41.368	633.797	0.000	0.000	0.000
	C202	-7.029	47.979	629.394	0.000	0.000	0.000
	C203	-9.133	-132.246	294.197	0.000	0.000	0.000
	C204	-9.776	-125.635	289.794	0.000	0.000	0.000
	C205	11.633	123.511	1239.641	0.000	0.000	0.000
	C206	10.989	130.121	1235.237	0.000	0.000	0.000
	C207	6.309	-15.094	880.359	0.000	0.000	0.000
	C208	5.665	-8.483	875.956	0.000	0.000	0.000
	C209	-19.277	145.719	1068.645	0.000	0.000	0.000
	C210	-17.736	141.399	1058.135	0.000	0.000	0.000
	C211	-17.775	-16.040	707.680	0.000	0.000	0.000
	C212	-16.233	-20.360	697.171	0.000	0.000	0.000
	C213	21.432	-5.022	732.302	0.000	0.000	0.000
	C214	22.974	-9.342	721.792	0.000	0.000	0.000
	C215	12.161	-143.781	420.578	0.000	0.000	0.000
	C216	13.702	-148.101	410.068	0.000	0.000	0.000
	C301	-6.482	38.247	491.796	0.000	0.000	0.000
	C302	-7.125	44.858	487.393	0.000	0.000	0.000
	C303	-9.229	-135.367	152.195	0.000	0.000	0.000
	C304	-9.873	-128.756	147.792	0.000	0.000	0.000
	C305	11.537	120.389	1097.639	0.000	0.000	0.000
	C306	10.893	127.000	1093.236	0.000	0.000	0.000
	C307	6.213	-18.215	738.357	0.000	0.000	0.000
	C308	5.569	-11.604	733.954	0.000	0.000	0.000
	C309	-19.373	142.598	926.643	0.000	0.000	0.000
	C310	-17.832	138.278	916.133	0.000	0.000	0.000
	C311	-17.871	-19.161	565.679	0.000	0.000	0.000
	C312	-16.330	-23.481	555.169	0.000	0.000	0.000
	C313	21.336	-8.143	590.300	0.000	0.000	0.000
	C314	22.877	-12.463	579.791	0.000	0.000	0.000
	C315	12.065	-146.902	278.576	0.000	0.000	0.000
	C316	13.606	-151.222	268.066	0.000	0.000	0.000
GA42	C101	-3.341	9.367	907.596	0.000	0.000	0.000
	C102	-3.658	9.702	885.465	0.000	0.000	0.000
	C103	-4.785	6.559	696.384	0.000	0.000	0.000
	C104	-5.102	6.895	674.253	0.000	0.000	0.000
	C105	5.457	-9.570	1766.873	0.000	0.000	0.000
	C106	5.140	-9.235	1744.742	0.000	0.000	0.000
	C107	2.805	-7.063	1448.471	0.000	0.000	0.000
	C108	2.488	-6.728	1426.340	0.000	0.000	0.000
	C109	-13.676	0.193	1424.024	0.000	0.000	0.000
	C110	-12.640	0.198	1415.494	0.000	0.000	0.000
	C111	-12.021	0.001	1152.481	0.000	0.000	0.000
	C112	-10.986	0.007	1143.950	0.000	0.000	0.000
	C113	13.979	-0.100	1177.283	0.000	0.000	0.000
	C114	15.014	-0.095	1168.752	0.000	0.000	0.000
	C115	8.382	-0.198	939.065	0.000	0.000	0.000
	C116	9.418	-0.192	930.535	0.000	0.000	0.000
	C201	-4.510	12.645	615.681	0.000	0.000	0.000
	C202	-4.938	13.098	585.805	0.000	0.000	0.000
	C203	-6.459	8.855	330.545	0.000	0.000	0.000
	C204	-6.887	9.308	300.669	0.000	0.000	0.000
	C205	7.367	-12.920	1775.705	0.000	0.000	0.000
	C206	6.939	-12.467	1745.829	0.000	0.000	0.000
	C207	3.787	-9.535	1345.862	0.000	0.000	0.000
	C208	3.359	-9.082	1315.986	0.000	0.000	0.000
	C209	-18.462	0.260	1312.859	0.000	0.000	0.000
	C210	-17.065	0.268	1301.343	0.000	0.000	0.000
	C211	-16.228	0.002	946.275	0.000	0.000	0.000
	C212	-14.831	0.009	934.759	0.000	0.000	0.000
	C213	18.872	-0.135	979.758	0.000	0.000	0.000
	C214	20.270	-0.128	968.242	0.000	0.000	0.000
	C215	11.316	-0.267	658.165	0.000	0.000	0.000
	C216	12.714	-0.260	646.649	0.000	0.000	0.000
	C301	-4.510	12.645	429.551	0.000	0.000	0.000
	C302	-4.938	13.098	399.675	0.000	0.000	0.000
	C303	-6.459	8.855	144.415	0.000	0.000	0.000
	C304	-6.887	9.308	114.539	0.000	0.000	0.000
	C305	7.367	-12.920	1589.576	0.000	0.000	0.000
	C306	6.939	-12.467	1559.700	0.000	0.000	0.000
	C307	3.787	-9.535	1159.732	0.000	0.000	0.000
	C308	3.359	-9.082	1129.856	0.000	0.000	0.000
	C309	-18.462	0.260	1126.730	0.000	0.000	0.000
	C310	-17.065	0.268	1115.214	0.000	0.000	0.000
	C311	-16.228	0.002	760.146	0.000	0.000	0.000
	C312	-14.831	0.009	748.630	0.000	0.000	0.000
	C313	18.872	-0.135	793.629	0.000	0.000	0.000
	C314	20.270	-0.128	782.112	0.000	0.000	0.000
	C315	11.316	-0.267	472.036	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C316	12.714	-0.260	460.519	0.000	0.000	0.000
GA43	C101	-4.060	269.283	437.150	0.000	0.000	0.000
	C102	-4.420	292.606	398.189	0.000	0.000	0.000
	C103	-6.402	314.710	289.258	0.000	0.000	0.000
	C104	-6.761	338.034	250.297	0.000	0.000	0.000
	C105	7.092	-383.087	1624.038	0.000	0.000	0.000
	C106	6.733	-359.764	1585.076	0.000	0.000	0.000
	C107	3.350	-222.544	1286.246	0.000	0.000	0.000
	C108	2.991	-199.220	1247.285	0.000	0.000	0.000
	C109	-14.604	-78.996	1096.969	0.000	0.000	0.000
	C110	-13.460	-75.327	1088.591	0.000	0.000	0.000
	C111	-13.558	24.709	849.976	0.000	0.000	0.000
	C112	-12.414	28.378	841.598	0.000	0.000	0.000
	C113	15.449	8.010	879.015	0.000	0.000	0.000
	C114	16.592	11.679	870.636	0.000	0.000	0.000
	C115	8.547	102.552	658.534	0.000	0.000	0.000
	C116	9.690	106.221	650.156	0.000	0.000	0.000
	C201	-5.482	363.532	134.456	0.000	0.000	0.000
	C202	-5.966	395.019	81.859	0.000	0.000	0.000
	C203	-8.643	424.859	-65.198	0.000	0.000	0.000
	C204	-9.128	456.345	-117.795	0.000	0.000	0.000
	C205	9.575	-517.168	1736.755	0.000	0.000	0.000
	C206	9.090	-485.681	1684.157	0.000	0.000	0.000
	C207	4.522	-300.434	1280.737	0.000	0.000	0.000
	C208	4.038	-268.948	1228.139	0.000	0.000	0.000
	C209	-19.715	-106.644	1025.212	0.000	0.000	0.000
	C210	-18.171	-101.691	1013.902	0.000	0.000	0.000
	C211	-18.303	33.357	691.772	0.000	0.000	0.000
	C212	-16.759	38.310	680.461	0.000	0.000	0.000
	C213	20.856	10.813	730.974	0.000	0.000	0.000
	C214	22.400	15.766	719.663	0.000	0.000	0.000
	C215	11.538	138.445	433.325	0.000	0.000	0.000
	C216	13.082	143.398	422.015	0.000	0.000	0.000
	C301	-5.482	363.532	-4.687	0.000	0.000	0.000
	C302	-5.966	395.019	-57.285	0.000	0.000	0.000
	C303	-8.643	424.859	-204.342	0.000	0.000	0.000
	C304	-9.128	456.345	-256.939	0.000	0.000	0.000
	C305	9.575	-517.168	1597.611	0.000	0.000	0.000
	C306	9.090	-485.681	1545.013	0.000	0.000	0.000
	C307	4.522	-300.434	1141.593	0.000	0.000	0.000
	C308	4.038	-268.948	1088.995	0.000	0.000	0.000
	C309	-19.715	-106.644	886.068	0.000	0.000	0.000
	C310	-18.171	-101.691	874.758	0.000	0.000	0.000
	C311	-18.303	33.357	552.628	0.000	0.000	0.000
	C312	-16.759	38.310	541.318	0.000	0.000	0.000
	C313	20.856	10.813	591.830	0.000	0.000	0.000
	C314	22.400	15.766	580.520	0.000	0.000	0.000
	C315	11.538	138.445	294.181	0.000	0.000	0.000
	C316	13.082	143.398	282.871	0.000	0.000	0.000
GA44	C101	-13.137	3.481	809.380	0.000	0.000	0.000
	C102	-14.498	7.376	806.462	0.000	0.000	0.000
	C103	-9.141	-128.489	542.285	0.000	0.000	0.000
	C104	-10.502	-124.594	539.367	0.000	0.000	0.000
	C105	13.782	100.031	1284.882	0.000	0.000	0.000
	C106	12.421	103.926	1281.964	0.000	0.000	0.000
	C107	11.416	-12.495	1001.510	0.000	0.000	0.000
	C108	10.055	-8.600	998.592	0.000	0.000	0.000
	C109	-18.825	160.722	1284.104	0.000	0.000	0.000
	C110	-17.524	152.146	1264.411	0.000	0.000	0.000
	C111	-13.488	20.063	968.738	0.000	0.000	0.000
	C112	-12.187	11.486	949.044	0.000	0.000	0.000
	C113	16.992	-72.236	765.025	0.000	0.000	0.000
	C114	18.292	-80.812	745.332	0.000	0.000	0.000
	C115	13.223	-166.910	550.556	0.000	0.000	0.000
	C116	14.524	-175.486	530.862	0.000	0.000	0.000
	C201	-17.735	4.699	626.725	0.000	0.000	0.000
	C202	-19.572	9.958	622.786	0.000	0.000	0.000
	C203	-12.341	-173.461	266.147	0.000	0.000	0.000
	C204	-14.178	-168.202	262.207	0.000	0.000	0.000
	C205	18.606	135.042	1268.652	0.000	0.000	0.000
	C206	16.768	140.300	1264.713	0.000	0.000	0.000
	C207	15.411	-16.868	886.101	0.000	0.000	0.000
	C208	13.574	-11.609	882.162	0.000	0.000	0.000
	C209	-25.413	216.975	1267.603	0.000	0.000	0.000
	C210	-23.658	205.397	1241.016	0.000	0.000	0.000
	C211	-18.208	27.085	841.858	0.000	0.000	0.000
	C212	-16.453	15.506	815.272	0.000	0.000	0.000
	C213	22.939	-97.518	566.846	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C214	24.695	-109.096	540.260	0.000	0.000	0.000
	C215	17.852	-225.328	277.313	0.000	0.000	0.000
	C216	19.607	-236.906	250.726	0.000	0.000	0.000
	C301	-17.735	4.699	484.454	0.000	0.000	0.000
	C302	-19.572	9.958	480.515	0.000	0.000	0.000
	C303	-12.341	-173.461	123.875	0.000	0.000	0.000
	C304	-14.178	-168.202	119.936	0.000	0.000	0.000
	C305	18.606	135.042	1126.381	0.000	0.000	0.000
	C306	16.768	140.300	1122.442	0.000	0.000	0.000
	C307	15.411	-16.868	743.830	0.000	0.000	0.000
	C308	13.574	-11.609	739.890	0.000	0.000	0.000
	C309	-25.413	216.975	1125.331	0.000	0.000	0.000
	C310	-23.658	205.397	1098.745	0.000	0.000	0.000
	C311	-18.208	27.085	699.587	0.000	0.000	0.000
	C312	-16.453	15.506	673.001	0.000	0.000	0.000
	C313	22.939	-97.518	424.575	0.000	0.000	0.000
	C314	24.695	-109.096	397.989	0.000	0.000	0.000
	C315	17.852	-225.328	135.041	0.000	0.000	0.000
	C316	19.607	-236.906	108.455	0.000	0.000	0.000
GA45	C101	-1.531	-51.551	916.144	0.000	0.000	0.000
	C102	-1.718	-57.256	894.074	0.000	0.000	0.000
	C103	-1.697	-36.712	688.979	0.000	0.000	0.000
	C104	-1.884	-42.417	666.909	0.000	0.000	0.000
	C105	2.113	55.009	1810.360	0.000	0.000	0.000
	C106	1.926	49.304	1788.290	0.000	0.000	0.000
	C107	1.380	45.285	1472.772	0.000	0.000	0.000
	C108	1.193	39.580	1450.702	0.000	0.000	0.000
	C109	-15.407	-3.281	1595.278	0.000	0.000	0.000
	C110	-14.283	-3.376	1574.326	0.000	0.000	0.000
	C111	-12.011	-0.023	1273.277	0.000	0.000	0.000
	C112	-10.887	-0.117	1252.326	0.000	0.000	0.000
	C113	14.577	1.703	1066.593	0.000	0.000	0.000
	C114	15.702	1.609	1045.641	0.000	0.000	0.000
	C115	10.315	3.370	845.010	0.000	0.000	0.000
	C116	11.439	3.275	824.059	0.000	0.000	0.000
	C201	-2.066	-69.594	617.986	0.000	0.000	0.000
	C202	-2.319	-77.296	588.191	0.000	0.000	0.000
	C203	-2.291	-49.561	311.312	0.000	0.000	0.000
	C204	-2.544	-57.263	281.518	0.000	0.000	0.000
	C205	2.852	74.261	1825.177	0.000	0.000	0.000
	C206	2.600	66.560	1795.383	0.000	0.000	0.000
	C207	1.863	61.134	1369.433	0.000	0.000	0.000
	C208	1.610	53.433	1339.639	0.000	0.000	0.000
	C209	-20.800	-4.429	1534.816	0.000	0.000	0.000
	C210	-19.282	-4.557	1506.532	0.000	0.000	0.000
	C211	-16.215	-0.031	1100.116	0.000	0.000	0.000
	C212	-14.697	-0.158	1071.831	0.000	0.000	0.000
	C213	19.679	2.300	821.092	0.000	0.000	0.000
	C214	21.197	2.172	792.807	0.000	0.000	0.000
	C215	13.925	4.549	521.955	0.000	0.000	0.000
	C216	15.443	4.421	493.671	0.000	0.000	0.000
	C301	-2.066	-69.594	429.036	0.000	0.000	0.000
	C302	-2.319	-77.296	399.242	0.000	0.000	0.000
	C303	-2.291	-49.561	122.363	0.000	0.000	0.000
	C304	-2.544	-57.263	92.569	0.000	0.000	0.000
	C305	2.852	74.261	1636.228	0.000	0.000	0.000
	C306	2.600	66.560	1606.434	0.000	0.000	0.000
	C307	1.863	61.134	1180.484	0.000	0.000	0.000
	C308	1.610	53.433	1150.690	0.000	0.000	0.000
	C309	-20.800	-4.429	1345.867	0.000	0.000	0.000
	C310	-19.282	-4.557	1317.583	0.000	0.000	0.000
	C311	-16.215	-0.031	911.166	0.000	0.000	0.000
	C312	-14.697	-0.158	882.882	0.000	0.000	0.000
	C313	19.679	2.300	632.142	0.000	0.000	0.000
	C314	21.197	2.172	603.858	0.000	0.000	0.000
	C315	13.925	4.549	333.006	0.000	0.000	0.000
	C316	15.443	4.421	304.722	0.000	0.000	0.000
GA46	C101	-5.671	262.121	442.787	0.000	0.000	0.000
	C102	-4.605	284.304	403.699	0.000	0.000	0.000
	C103	-8.799	317.176	280.729	0.000	0.000	0.000
	C104	-7.734	339.358	241.642	0.000	0.000	0.000
	C105	-29.402	-381.438	1666.175	0.000	0.000	0.000
	C106	-28.336	-359.255	1627.087	0.000	0.000	0.000
	C107	-26.819	-215.377	1310.194	0.000	0.000	0.000
	C108	-25.754	-193.194	1271.107	0.000	0.000	0.000
	C109	-34.553	-145.726	1259.694	0.000	0.000	0.000
	C110	-33.212	-136.716	1239.400	0.000	0.000	0.000
	C111	-30.602	-19.959	964.984	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C112	-29.261	-10.950	944.690	0.000	0.000	0.000
	C113	-0.856	64.450	772.214	0.000	0.000	0.000
	C114	0.485	73.459	751.920	0.000	0.000	0.000
	C115	-5.333	151.507	568.308	0.000	0.000	0.000
	C116	-3.993	160.517	548.014	0.000	0.000	0.000
	C201	0.972	353.864	133.643	0.000	0.000	0.000
	C202	2.411	383.810	80.875	0.000	0.000	0.000
	C203	-3.251	428.187	-85.134	0.000	0.000	0.000
	C204	-1.813	458.133	-137.902	0.000	0.000	0.000
	C205	-31.065	-514.941	1785.217	0.000	0.000	0.000
	C206	-29.627	-484.995	1732.449	0.000	0.000	0.000
	C207	-27.579	-290.759	1304.644	0.000	0.000	0.000
	C208	-26.140	-260.812	1251.875	0.000	0.000	0.000
	C209	-38.019	-196.730	1236.468	0.000	0.000	0.000
	C210	-36.209	-184.567	1209.071	0.000	0.000	0.000
	C211	-32.685	-26.945	838.610	0.000	0.000	0.000
	C212	-30.875	-14.782	811.213	0.000	0.000	0.000
	C213	7.472	87.007	578.370	0.000	0.000	0.000
	C214	9.282	99.170	550.973	0.000	0.000	0.000
	C215	1.428	204.535	303.097	0.000	0.000	0.000
	C216	3.238	216.698	275.700	0.000	0.000	0.000
	C301	3.607	353.864	-8.072	0.000	0.000	0.000
	C302	5.045	383.810	-60.840	0.000	0.000	0.000
	C303	-0.617	428.187	-226.850	0.000	0.000	0.000
	C304	0.821	458.133	-279.618	0.000	0.000	0.000
	C305	-28.431	-514.941	1643.502	0.000	0.000	0.000
	C306	-26.992	-484.995	1590.734	0.000	0.000	0.000
	C307	-24.944	-290.759	1162.928	0.000	0.000	0.000
	C308	-23.506	-260.812	1110.160	0.000	0.000	0.000
	C309	-35.385	-196.730	1094.752	0.000	0.000	0.000
	C310	-33.575	-184.567	1067.355	0.000	0.000	0.000
	C311	-30.050	-26.945	696.894	0.000	0.000	0.000
	C312	-28.240	-14.782	669.497	0.000	0.000	0.000
	C313	10.106	87.007	436.655	0.000	0.000	0.000
	C314	11.916	99.170	409.257	0.000	0.000	0.000
	C315	4.062	204.535	161.382	0.000	0.000	0.000
	C316	5.872	216.698	133.984	0.000	0.000	0.000

ROW C2

GC21	C101	28.646	283.156	1453.598	0.000	0.000	0.000
	C102	29.700	303.954	1490.923	0.000	0.000	0.000
	C103	25.786	116.500	1097.061	0.000	0.000	0.000
	C104	26.840	137.299	1134.386	0.000	0.000	0.000
	C105	5.204	-205.806	585.090	0.000	0.000	0.000
	C106	6.258	-185.007	622.415	0.000	0.000	0.000
	C107	7.898	-262.564	421.237	0.000	0.000	0.000
	C108	8.952	-241.765	458.562	0.000	0.000	0.000
	C109	0.242	-93.101	702.990	0.000	0.000	0.000
	C110	1.602	-84.226	724.800	0.000	0.000	0.000
	C111	4.263	-178.418	504.763	0.000	0.000	0.000
	C112	5.624	-169.543	526.573	0.000	0.000	0.000
	C113	33.283	157.244	1292.677	0.000	0.000	0.000
	C114	34.644	166.118	1314.487	0.000	0.000	0.000
	C115	29.101	27.523	990.022	0.000	0.000	0.000
	C116	30.461	36.397	1011.832	0.000	0.000	0.000
	C201	29.897	382.260	1496.954	0.000	0.000	0.000
	C202	31.320	410.338	1547.343	0.000	0.000	0.000
	C203	26.036	157.275	1015.629	0.000	0.000	0.000
	C204	27.459	185.354	1066.018	0.000	0.000	0.000
	C205	-1.749	-277.838	324.469	0.000	0.000	0.000
	C206	-0.326	-249.760	374.857	0.000	0.000	0.000
	C207	1.887	-354.461	103.268	0.000	0.000	0.000
	C208	3.310	-326.382	153.656	0.000	0.000	0.000
	C209	-8.449	-125.686	483.634	0.000	0.000	0.000
	C210	-6.612	-113.705	513.078	0.000	0.000	0.000
	C211	-3.019	-240.864	216.028	0.000	0.000	0.000
	C212	-1.183	-228.883	245.472	0.000	0.000	0.000
	C213	36.158	212.279	1279.712	0.000	0.000	0.000
	C214	37.995	224.260	1309.155	0.000	0.000	0.000
	C215	30.511	37.156	871.128	0.000	0.000	0.000
	C216	32.348	49.136	900.571	0.000	0.000	0.000
	C301	27.218	382.260	1354.847	0.000	0.000	0.000
	C302	28.641	410.338	1405.235	0.000	0.000	0.000
	C303	23.357	157.275	873.522	0.000	0.000	0.000
	C304	24.779	185.354	923.910	0.000	0.000	0.000
	C305	-4.428	-277.838	182.361	0.000	0.000	0.000
	C306	-3.005	-249.760	232.750	0.000	0.000	0.000
	C307	-0.792	-354.461	-38.840	0.000	0.000	0.000
	C308	0.631	-326.382	11.549	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C309	-11.128	-125.686	341.526	0.000	0.000	0.000
	C310	-9.291	-113.705	370.970	0.000	0.000	0.000
	C311	-5.699	-240.864	73.920	0.000	0.000	0.000
	C312	-3.862	-228.883	103.364	0.000	0.000	0.000
	C313	33.479	212.279	1137.604	0.000	0.000	0.000
	C314	35.315	224.260	1167.048	0.000	0.000	0.000
	C315	27.832	37.156	729.020	0.000	0.000	0.000
	C316	29.669	49.136	758.464	0.000	0.000	0.000
GC22	C101	-1.576	-49.975	1602.843	0.000	0.000	0.000
	C102	-1.644	-54.991	1625.353	0.000	0.000	0.000
	C103	-1.021	-39.876	1265.931	0.000	0.000	0.000
	C104	-1.089	-44.891	1288.441	0.000	0.000	0.000
	C105	1.415	56.632	1083.894	0.000	0.000	0.000
	C106	1.347	51.616	1106.403	0.000	0.000	0.000
	C107	1.381	42.796	858.192	0.000	0.000	0.000
	C108	1.313	37.780	880.702	0.000	0.000	0.000
	C109	-15.742	-4.709	983.960	0.000	0.000	0.000
	C110	-14.442	-3.910	1009.474	0.000	0.000	0.000
	C111	-11.757	-5.583	770.996	0.000	0.000	0.000
	C112	-10.457	-4.783	796.509	0.000	0.000	0.000
	C113	14.272	5.131	1636.489	0.000	0.000	0.000
	C114	15.572	5.930	1662.002	0.000	0.000	0.000
	C115	10.788	2.409	1307.934	0.000	0.000	0.000
	C116	12.088	3.208	1333.447	0.000	0.000	0.000
	C201	-2.128	-67.467	1543.582	0.000	0.000	0.000
	C202	-2.219	-74.237	1573.970	0.000	0.000	0.000
	C203	-1.379	-53.832	1088.751	0.000	0.000	0.000
	C204	-1.470	-60.603	1119.139	0.000	0.000	0.000
	C205	1.910	76.453	843.000	0.000	0.000	0.000
	C206	1.819	69.682	873.388	0.000	0.000	0.000
	C207	1.864	57.774	538.303	0.000	0.000	0.000
	C208	1.773	51.004	568.692	0.000	0.000	0.000
	C209	-21.252	-6.357	708.091	0.000	0.000	0.000
	C210	-19.497	-5.278	742.533	0.000	0.000	0.000
	C211	-15.872	-7.537	420.588	0.000	0.000	0.000
	C212	-14.117	-6.458	455.031	0.000	0.000	0.000
	C213	19.267	6.927	1589.004	0.000	0.000	0.000
	C214	21.022	8.006	1623.447	0.000	0.000	0.000
	C215	14.563	3.252	1145.454	0.000	0.000	0.000
	C216	16.319	4.331	1179.897	0.000	0.000	0.000
	C301	-2.128	-67.467	1354.191	0.000	0.000	0.000
	C302	-2.219	-74.237	1384.579	0.000	0.000	0.000
	C303	-1.379	-53.832	899.359	0.000	0.000	0.000
	C304	-1.470	-60.603	929.748	0.000	0.000	0.000
	C305	1.910	76.453	653.609	0.000	0.000	0.000
	C306	1.819	69.682	683.997	0.000	0.000	0.000
	C307	1.864	57.774	348.912	0.000	0.000	0.000
	C308	1.773	51.004	379.300	0.000	0.000	0.000
	C309	-21.252	-6.357	518.699	0.000	0.000	0.000
	C310	-19.497	-5.278	553.142	0.000	0.000	0.000
	C311	-15.872	-7.537	231.197	0.000	0.000	0.000
	C312	-14.117	-6.458	265.640	0.000	0.000	0.000
	C313	19.267	6.927	1399.613	0.000	0.000	0.000
	C314	21.022	8.006	1434.056	0.000	0.000	0.000
	C315	14.563	3.252	956.063	0.000	0.000	0.000
	C316	16.319	4.331	990.506	0.000	0.000	0.000
GC23	C101	-12.689	-24.756	1103.496	0.000	0.000	0.000
	C102	-13.768	-22.631	1109.024	0.000	0.000	0.000
	C103	-10.441	86.645	821.952	0.000	0.000	0.000
	C104	-11.520	88.771	827.480	0.000	0.000	0.000
	C105	14.539	-83.017	983.172	0.000	0.000	0.000
	C106	13.460	-80.892	988.700	0.000	0.000	0.000
	C107	10.535	46.070	720.642	0.000	0.000	0.000
	C108	9.456	48.195	726.170	0.000	0.000	0.000
	C109	-19.177	114.626	676.025	0.000	0.000	0.000
	C110	-17.476	102.098	702.903	0.000	0.000	0.000
	C111	-15.526	203.936	472.261	0.000	0.000	0.000
	C112	-13.826	191.407	499.139	0.000	0.000	0.000
	C113	18.050	-180.696	1328.095	0.000	0.000	0.000
	C114	19.751	-193.224	1354.973	0.000	0.000	0.000
	C115	12.710	-38.534	1008.186	0.000	0.000	0.000
	C116	14.411	-51.063	1035.064	0.000	0.000	0.000
	C201	-17.130	-33.421	1022.861	0.000	0.000	0.000
	C202	-18.587	-30.551	1030.324	0.000	0.000	0.000
	C203	-14.095	116.971	642.776	0.000	0.000	0.000
	C204	-15.552	119.841	650.239	0.000	0.000	0.000
	C205	19.628	-112.073	860.423	0.000	0.000	0.000
	C206	18.171	-109.204	867.886	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C207	14.223	62.194	506.008	0.000	0.000	0.000
	C208	12.766	65.064	513.471	0.000	0.000	0.000
	C209	-25.888	154.745	445.775	0.000	0.000	0.000
	C210	-23.593	137.832	482.060	0.000	0.000	0.000
	C211	-20.961	275.313	170.693	0.000	0.000	0.000
	C212	-18.665	258.400	206.979	0.000	0.000	0.000
	C213	24.368	-243.939	1326.070	0.000	0.000	0.000
	C214	26.663	-260.852	1362.355	0.000	0.000	0.000
	C215	17.159	-52.021	894.192	0.000	0.000	0.000
	C216	19.454	-68.935	930.478	0.000	0.000	0.000
	C301	-17.130	-33.421	880.308	0.000	0.000	0.000
	C302	-18.587	-30.551	887.772	0.000	0.000	0.000
	C303	-14.095	116.971	500.224	0.000	0.000	0.000
	C304	-15.552	119.841	507.687	0.000	0.000	0.000
	C305	19.628	-112.073	717.870	0.000	0.000	0.000
	C306	18.171	-109.204	725.334	0.000	0.000	0.000
	C307	14.223	62.194	363.455	0.000	0.000	0.000
	C308	12.766	65.064	370.919	0.000	0.000	0.000
	C309	-25.888	154.745	303.222	0.000	0.000	0.000
	C310	-23.593	137.832	339.508	0.000	0.000	0.000
	C311	-20.961	275.313	28.141	0.000	0.000	0.000
	C312	-18.665	258.400	64.427	0.000	0.000	0.000
	C313	24.368	-243.939	1183.517	0.000	0.000	0.000
	C314	26.663	-260.852	1219.803	0.000	0.000	0.000
	C315	17.159	-52.021	751.640	0.000	0.000	0.000
	C316	19.454	-68.935	787.925	0.000	0.000	0.000
GC24	C101	-4.656	288.314	1421.491	0.000	0.000	0.000
	C102	-4.885	309.613	1457.584	0.000	0.000	0.000
	C103	-1.134	127.826	1084.754	0.000	0.000	0.000
	C104	-1.363	149.125	1120.847	0.000	0.000	0.000
	C105	2.424	-218.668	568.344	0.000	0.000	0.000
	C106	2.195	-197.370	604.437	0.000	0.000	0.000
	C107	4.504	-265.195	420.448	0.000	0.000	0.000
	C108	4.275	-243.897	456.541	0.000	0.000	0.000
	C109	-16.035	-28.505	826.186	0.000	0.000	0.000
	C110	-14.734	-26.018	834.161	0.000	0.000	0.000
	C111	-9.546	-120.577	613.345	0.000	0.000	0.000
	C112	-8.245	-118.090	621.320	0.000	0.000	0.000
	C113	12.903	93.676	1137.252	0.000	0.000	0.000
	C114	14.205	96.163	1145.227	0.000	0.000	0.000
	C115	11.806	-13.507	883.628	0.000	0.000	0.000
	C116	13.108	-11.020	891.603	0.000	0.000	0.000
	C201	-6.285	389.224	1462.271	0.000	0.000	0.000
	C202	-6.595	417.977	1510.996	0.000	0.000	0.000
	C203	-1.531	172.566	1007.675	0.000	0.000	0.000
	C204	-1.840	201.319	1056.401	0.000	0.000	0.000
	C205	3.272	-295.202	310.522	0.000	0.000	0.000
	C206	2.963	-266.449	359.248	0.000	0.000	0.000
	C207	6.081	-358.014	110.863	0.000	0.000	0.000
	C208	5.771	-329.260	159.588	0.000	0.000	0.000
	C209	-21.648	-38.482	658.609	0.000	0.000	0.000
	C210	-19.891	-35.124	669.375	0.000	0.000	0.000
	C211	-12.888	-162.779	371.274	0.000	0.000	0.000
	C212	-11.130	-159.422	382.040	0.000	0.000	0.000
	C213	17.419	126.462	1078.548	0.000	0.000	0.000
	C214	19.176	129.820	1089.314	0.000	0.000	0.000
	C215	15.938	-18.235	736.155	0.000	0.000	0.000
	C216	17.696	-14.877	746.921	0.000	0.000	0.000
	C301	-6.285	389.224	1322.808	0.000	0.000	0.000
	C302	-6.595	417.977	1371.533	0.000	0.000	0.000
	C303	-1.531	172.566	868.212	0.000	0.000	0.000
	C304	-1.840	201.319	916.937	0.000	0.000	0.000
	C305	3.272	-295.202	171.059	0.000	0.000	0.000
	C306	2.963	-266.449	219.784	0.000	0.000	0.000
	C307	6.081	-358.014	-28.601	0.000	0.000	0.000
	C308	5.771	-329.260	20.125	0.000	0.000	0.000
	C309	-21.648	-38.482	519.146	0.000	0.000	0.000
	C310	-19.891	-35.124	529.912	0.000	0.000	0.000
	C311	-12.888	-162.779	231.810	0.000	0.000	0.000
	C312	-11.130	-159.422	242.577	0.000	0.000	0.000
	C313	17.419	126.462	939.085	0.000	0.000	0.000
	C314	19.176	129.820	949.851	0.000	0.000	0.000
	C315	15.938	-18.235	596.692	0.000	0.000	0.000
	C316	17.696	-14.877	607.458	0.000	0.000	0.000
GC25	C101	-3.723	9.274	1569.313	0.000	0.000	0.000
	C102	-3.920	9.569	1590.704	0.000	0.000	0.000
	C103	-1.258	6.745	1253.240	0.000	0.000	0.000
	C104	-1.455	7.040	1274.632	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C105	2.297	-9.666	1062.469	0.000	0.000	0.000
	C106	2.100	-9.370	1083.860	0.000	0.000	0.000
	C107	3.526	-6.917	854.535	0.000	0.000	0.000
	C108	3.329	-6.622	875.926	0.000	0.000	0.000
	C109	-14.691	0.277	1111.270	0.000	0.000	0.000
	C110	-13.501	0.230	1122.320	0.000	0.000	0.000
	C111	-9.428	0.328	883.652	0.000	0.000	0.000
	C112	-8.238	0.281	894.702	0.000	0.000	0.000
	C113	12.294	-0.302	1471.910	0.000	0.000	0.000
	C114	13.484	-0.349	1482.960	0.000	0.000	0.000
	C115	10.586	-0.142	1195.168	0.000	0.000	0.000
	C116	11.776	-0.189	1206.219	0.000	0.000	0.000
	C201	-5.026	12.520	1508.170	0.000	0.000	0.000
	C202	-5.292	12.918	1537.048	0.000	0.000	0.000
	C203	-1.698	9.106	1081.472	0.000	0.000	0.000
	C204	-1.964	9.504	1110.350	0.000	0.000	0.000
	C205	3.101	-13.048	823.930	0.000	0.000	0.000
	C206	2.835	-12.650	852.809	0.000	0.000	0.000
	C207	4.760	-9.338	543.219	0.000	0.000	0.000
	C208	4.494	-8.939	572.098	0.000	0.000	0.000
	C209	-19.833	0.374	889.812	0.000	0.000	0.000
	C210	-18.227	0.310	904.730	0.000	0.000	0.000
	C211	-12.727	0.443	582.527	0.000	0.000	0.000
	C212	-11.121	0.380	597.445	0.000	0.000	0.000
	C213	16.597	-0.407	1376.676	0.000	0.000	0.000
	C214	18.203	-0.471	1391.594	0.000	0.000	0.000
	C215	14.292	-0.191	1003.074	0.000	0.000	0.000
	C216	15.898	-0.255	1017.992	0.000	0.000	0.000
	C301	-5.026	12.520	1321.787	0.000	0.000	0.000
	C302	-5.292	12.918	1350.666	0.000	0.000	0.000
	C303	-1.698	9.106	895.089	0.000	0.000	0.000
	C304	-1.964	9.504	923.968	0.000	0.000	0.000
	C305	3.101	-13.048	637.548	0.000	0.000	0.000
	C306	2.835	-12.650	666.426	0.000	0.000	0.000
	C307	4.760	-9.338	356.837	0.000	0.000	0.000
	C308	4.494	-8.939	385.716	0.000	0.000	0.000
	C309	-19.833	0.374	703.429	0.000	0.000	0.000
	C310	-18.227	0.310	718.347	0.000	0.000	0.000
	C311	-12.727	0.443	396.145	0.000	0.000	0.000
	C312	-11.121	0.380	411.063	0.000	0.000	0.000
	C313	16.597	-0.407	1190.293	0.000	0.000	0.000
	C314	18.203	-0.471	1205.211	0.000	0.000	0.000
	C315	14.292	-0.191	816.692	0.000	0.000	0.000
	C316	15.898	-0.255	831.610	0.000	0.000	0.000
GC26	C101	-2.481	-25.143	1087.986	0.000	0.000	0.000
	C102	-2.813	-21.633	1092.696	0.000	0.000	0.000
	C103	1.250	75.612	825.258	0.000	0.000	0.000
	C104	0.918	79.122	829.967	0.000	0.000	0.000
	C105	6.793	-109.915	973.246	0.000	0.000	0.000
	C106	6.461	-106.406	977.956	0.000	0.000	0.000
	C107	8.588	14.824	727.965	0.000	0.000	0.000
	C108	8.255	18.333	732.675	0.000	0.000	0.000
	C109	-12.929	35.555	811.592	0.000	0.000	0.000
	C110	-11.611	29.114	824.569	0.000	0.000	0.000
	C111	-6.458	131.948	593.286	0.000	0.000	0.000
	C112	-5.140	125.507	606.263	0.000	0.000	0.000
	C113	16.212	-135.298	1184.231	0.000	0.000	0.000
	C114	17.531	-141.740	1197.208	0.000	0.000	0.000
	C115	15.059	-14.653	913.576	0.000	0.000	0.000
	C116	16.378	-21.095	926.553	0.000	0.000	0.000
	C201	-4.964	-25.758	1004.545	0.000	0.000	0.000
	C202	-5.412	-21.020	1010.903	0.000	0.000	0.000
	C203	0.073	110.261	649.862	0.000	0.000	0.000
	C204	-0.375	114.999	656.220	0.000	0.000	0.000
	C205	7.557	-140.201	849.646	0.000	0.000	0.000
	C206	7.108	-135.463	856.004	0.000	0.000	0.000
	C207	9.979	28.197	518.516	0.000	0.000	0.000
	C208	9.531	32.935	524.874	0.000	0.000	0.000
	C209	-19.068	56.184	631.413	0.000	0.000	0.000
	C210	-17.289	47.488	648.932	0.000	0.000	0.000
	C211	-10.332	186.314	336.699	0.000	0.000	0.000
	C212	-8.553	177.618	354.218	0.000	0.000	0.000
	C213	20.273	-174.468	1134.475	0.000	0.000	0.000
	C214	22.052	-183.164	1151.994	0.000	0.000	0.000
	C215	18.716	-11.598	769.091	0.000	0.000	0.000
	C216	20.496	-20.293	786.611	0.000	0.000	0.000
	C301	-5.457	-23.259	862.793	0.000	0.000	0.000
	C302	-5.905	-18.521	869.151	0.000	0.000	0.000
	C303	-0.420	112.760	508.110	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C304	-0.868	117.498	514.468	0.000	0.000	0.000
	C305	7.064	-137.702	707.895	0.000	0.000	0.000
	C306	6.615	-132.964	714.253	0.000	0.000	0.000
	C307	9.486	30.696	376.765	0.000	0.000	0.000
	C308	9.038	35.434	383.123	0.000	0.000	0.000
	C309	-19.561	58.683	489.661	0.000	0.000	0.000
	C310	-17.782	49.987	507.180	0.000	0.000	0.000
	C311	-10.825	188.813	194.948	0.000	0.000	0.000
	C312	-9.045	180.117	212.467	0.000	0.000	0.000
	C313	19.780	-171.969	992.723	0.000	0.000	0.000
	C314	21.559	-180.665	1010.243	0.000	0.000	0.000
	C315	18.223	-9.098	627.340	0.000	0.000	0.000
	C316	20.003	-17.794	644.859	0.000	0.000	0.000

ROW C4

GC41	C101	25.223	3.895	831.896	0.000	0.000	0.000
	C102	26.318	6.297	826.776	0.000	0.000	0.000
	C103	21.442	-129.659	559.975	0.000	0.000	0.000
	C104	22.537	-127.257	554.854	0.000	0.000	0.000
	C105	-1.841	102.516	1313.875	0.000	0.000	0.000
	C106	-0.746	104.918	1308.754	0.000	0.000	0.000
	C107	0.756	-11.627	1025.413	0.000	0.000	0.000
	C108	1.850	-9.224	1020.292	0.000	0.000	0.000
	C109	-6.558	-93.981	738.102	0.000	0.000	0.000
	C110	-5.255	-85.382	757.826	0.000	0.000	0.000
	C111	-2.546	-190.330	518.577	0.000	0.000	0.000
	C112	-1.243	-181.731	538.301	0.000	0.000	0.000
	C113	29.599	166.335	1319.795	0.000	0.000	0.000
	C114	30.902	174.935	1339.519	0.000	0.000	0.000
	C115	24.446	24.275	999.948	0.000	0.000	0.000
	C116	25.749	32.874	1019.672	0.000	0.000	0.000
	C201	28.016	5.258	645.798	0.000	0.000	0.000
	C202	29.494	8.501	638.885	0.000	0.000	0.000
	C203	22.912	-175.040	278.704	0.000	0.000	0.000
	C204	24.389	-171.796	271.791	0.000	0.000	0.000
	C205	-8.520	138.396	1296.469	0.000	0.000	0.000
	C206	-7.042	141.640	1289.556	0.000	0.000	0.000
	C207	-5.015	-15.696	907.046	0.000	0.000	0.000
	C208	-3.537	-12.452	900.133	0.000	0.000	0.000
	C209	-14.889	-126.875	519.176	0.000	0.000	0.000
	C210	-13.130	-115.266	545.804	0.000	0.000	0.000
	C211	-9.472	-256.946	222.818	0.000	0.000	0.000
	C212	-7.713	-245.337	249.445	0.000	0.000	0.000
	C213	33.924	224.553	1304.462	0.000	0.000	0.000
	C214	35.683	236.162	1331.089	0.000	0.000	0.000
	C215	26.967	32.771	872.669	0.000	0.000	0.000
	C216	28.726	44.380	899.296	0.000	0.000	0.000
	C301	26.173	5.258	500.069	0.000	0.000	0.000
	C302	27.651	8.501	493.156	0.000	0.000	0.000
	C303	21.069	-175.040	132.975	0.000	0.000	0.000
	C304	22.546	-171.796	126.063	0.000	0.000	0.000
	C305	-10.363	138.396	1150.740	0.000	0.000	0.000
	C306	-8.885	141.640	1143.827	0.000	0.000	0.000
	C307	-6.858	-15.696	761.317	0.000	0.000	0.000
	C308	-5.380	-12.452	754.404	0.000	0.000	0.000
	C309	-16.732	-126.875	373.447	0.000	0.000	0.000
	C310	-14.973	-115.266	400.075	0.000	0.000	0.000
	C311	-11.315	-256.946	77.089	0.000	0.000	0.000
	C312	-9.556	-245.337	103.716	0.000	0.000	0.000
	C313	32.081	224.553	1158.733	0.000	0.000	0.000
	C314	33.840	236.162	1185.360	0.000	0.000	0.000
	C315	25.124	32.771	726.940	0.000	0.000	0.000
	C316	26.883	44.380	753.567	0.000	0.000	0.000
GC42	C101	1.547	-51.990	946.344	0.000	0.000	0.000
	C102	1.607	-57.115	923.896	0.000	0.000	0.000
	C103	1.815	-37.719	712.212	0.000	0.000	0.000
	C104	1.875	-42.844	689.764	0.000	0.000	0.000
	C105	-2.090	55.407	1850.141	0.000	0.000	0.000
	C106	-2.030	50.282	1827.693	0.000	0.000	0.000
	C107	-1.258	45.024	1505.005	0.000	0.000	0.000
	C108	-1.198	39.898	1482.557	0.000	0.000	0.000
	C109	-15.799	1.846	1046.690	0.000	0.000	0.000
	C110	-14.674	1.930	1067.637	0.000	0.000	0.000
	C111	-11.410	2.937	817.873	0.000	0.000	0.000
	C112	-10.286	3.021	838.821	0.000	0.000	0.000
	C113	14.315	-3.201	1641.247	0.000	0.000	0.000
	C114	15.440	-3.117	1662.195	0.000	0.000	0.000
	C115	10.985	-0.549	1312.519	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C116	12.110	-0.465	1333.466	0.000	0.000	0.000
	C201	2.089	-70.186	642.828	0.000	0.000	0.000
	C202	2.170	-77.106	612.522	0.000	0.000	0.000
	C203	2.450	-50.920	326.750	0.000	0.000	0.000
	C204	2.531	-57.840	296.445	0.000	0.000	0.000
	C205	-2.822	74.800	1862.953	0.000	0.000	0.000
	C206	-2.741	67.880	1832.648	0.000	0.000	0.000
	C207	-1.699	60.782	1397.020	0.000	0.000	0.000
	C208	-1.617	53.862	1366.715	0.000	0.000	0.000
	C209	-21.329	2.493	778.294	0.000	0.000	0.000
	C210	-19.811	2.606	806.574	0.000	0.000	0.000
	C211	-15.404	3.965	469.392	0.000	0.000	0.000
	C212	-13.886	4.078	497.672	0.000	0.000	0.000
	C213	19.326	-4.322	1580.947	0.000	0.000	0.000
	C214	20.844	-4.208	1609.226	0.000	0.000	0.000
	C215	14.830	-0.741	1137.163	0.000	0.000	0.000
	C216	16.348	-0.628	1165.443	0.000	0.000	0.000
	C301	2.089	-70.186	449.015	0.000	0.000	0.000
	C302	2.170	-77.106	418.710	0.000	0.000	0.000
	C303	2.450	-50.920	132.937	0.000	0.000	0.000
	C304	2.531	-57.840	102.632	0.000	0.000	0.000
	C305	-2.822	74.800	1669.140	0.000	0.000	0.000
	C306	-2.741	67.880	1638.835	0.000	0.000	0.000
	C307	-1.699	60.782	1203.207	0.000	0.000	0.000
	C308	-1.617	53.862	1172.902	0.000	0.000	0.000
	C309	-21.329	2.493	584.481	0.000	0.000	0.000
	C310	-19.811	2.606	612.761	0.000	0.000	0.000
	C311	-15.404	3.965	275.579	0.000	0.000	0.000
	C312	-13.886	4.078	303.859	0.000	0.000	0.000
	C313	19.326	-4.322	1387.134	0.000	0.000	0.000
	C314	20.844	-4.208	1415.413	0.000	0.000	0.000
	C315	14.830	-0.741	943.350	0.000	0.000	0.000
	C316	16.348	-0.628	971.630	0.000	0.000	0.000
GC43	C101	-11.532	263.704	465.307	0.000	0.000	0.000
	C102	-12.617	284.730	427.691	0.000	0.000	0.000
	C103	-8.430	322.941	294.820	0.000	0.000	0.000
	C104	-9.516	343.967	257.204	0.000	0.000	0.000
	C105	12.412	-385.736	1700.459	0.000	0.000	0.000
	C106	11.326	-364.710	1662.843	0.000	0.000	0.000
	C107	9.779	-215.044	1335.207	0.000	0.000	0.000
	C108	8.693	-194.018	1297.590	0.000	0.000	0.000
	C109	-17.751	85.542	748.971	0.000	0.000	0.000
	C110	-16.413	76.558	769.229	0.000	0.000	0.000
	C111	-13.275	176.908	536.358	0.000	0.000	0.000
	C112	-11.936	167.924	556.615	0.000	0.000	0.000
	C113	16.260	-151.704	1298.666	0.000	0.000	0.000
	C114	17.598	-160.688	1318.923	0.000	0.000	0.000
	C115	12.234	-21.766	995.633	0.000	0.000	0.000
	C116	13.573	-30.749	1015.890	0.000	0.000	0.000
	C201	-15.568	356.001	151.324	0.000	0.000	0.000
	C202	-17.034	384.386	100.542	0.000	0.000	0.000
	C203	-11.381	435.970	-78.833	0.000	0.000	0.000
	C204	-12.847	464.355	-129.616	0.000	0.000	0.000
	C205	16.756	-520.744	1818.779	0.000	0.000	0.000
	C206	15.290	-492.359	1767.997	0.000	0.000	0.000
	C207	13.201	-290.309	1325.688	0.000	0.000	0.000
	C208	11.736	-261.924	1274.906	0.000	0.000	0.000
	C209	-23.964	115.482	534.270	0.000	0.000	0.000
	C210	-22.157	103.354	561.618	0.000	0.000	0.000
	C211	-17.922	238.826	247.242	0.000	0.000	0.000
	C212	-16.114	226.698	274.590	0.000	0.000	0.000
	C213	21.950	-204.800	1276.358	0.000	0.000	0.000
	C214	23.758	-216.928	1303.705	0.000	0.000	0.000
	C215	16.516	-29.384	867.263	0.000	0.000	0.000
	C216	18.324	-41.512	894.611	0.000	0.000	0.000
	C301	-15.568	356.001	5.724	0.000	0.000	0.000
	C302	-17.034	384.386	-45.059	0.000	0.000	0.000
	C303	-11.381	435.970	-224.434	0.000	0.000	0.000
	C304	-12.847	464.355	-275.216	0.000	0.000	0.000
	C305	16.756	-520.744	1673.179	0.000	0.000	0.000
	C306	15.290	-492.359	1622.397	0.000	0.000	0.000
	C307	13.201	-290.309	1180.088	0.000	0.000	0.000
	C308	11.736	-261.924	1129.306	0.000	0.000	0.000
	C309	-23.964	115.482	388.670	0.000	0.000	0.000
	C310	-22.157	103.354	416.018	0.000	0.000	0.000
	C311	-17.922	238.826	101.642	0.000	0.000	0.000
	C312	-16.114	226.698	128.989	0.000	0.000	0.000
	C313	21.950	-204.800	1130.758	0.000	0.000	0.000
	C314	23.758	-216.928	1158.105	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C315	16.516	-29.384	721.663	0.000	0.000	0.000
	C316	18.324	-41.512	749.011	0.000	0.000	0.000
GC44	C101	5.159	18.402	823.862	0.000	0.000	0.000
	C102	5.483	22.238	819.620	0.000	0.000	0.000
	C103	7.381	-111.874	567.035	0.000	0.000	0.000
	C104	7.706	-108.038	562.792	0.000	0.000	0.000
	C105	-8.276	80.826	1278.394	0.000	0.000	0.000
	C106	-7.952	84.662	1274.151	0.000	0.000	0.000
	C107	-4.141	-23.507	1006.779	0.000	0.000	0.000
	C108	-3.817	-19.670	1002.536	0.000	0.000	0.000
	C109	-16.474	-31.483	862.484	0.000	0.000	0.000
	C110	-15.332	-28.258	870.296	0.000	0.000	0.000
	C111	-9.386	-136.125	625.861	0.000	0.000	0.000
	C112	-8.244	-132.901	633.674	0.000	0.000	0.000
	C113	13.254	104.934	1168.280	0.000	0.000	0.000
	C114	14.396	108.158	1176.093	0.000	0.000	0.000
	C115	12.285	-16.236	896.274	0.000	0.000	0.000
	C116	13.428	-13.012	904.086	0.000	0.000	0.000
	C201	6.965	24.842	642.159	0.000	0.000	0.000
	C202	7.402	30.021	636.431	0.000	0.000	0.000
	C203	9.965	-151.030	295.442	0.000	0.000	0.000
	C204	10.403	-145.852	289.714	0.000	0.000	0.000
	C205	-11.173	109.115	1255.776	0.000	0.000	0.000
	C206	-10.735	114.294	1250.049	0.000	0.000	0.000
	C207	-5.590	-31.734	889.096	0.000	0.000	0.000
	C208	-5.152	-26.555	883.368	0.000	0.000	0.000
	C209	-22.240	-42.502	694.298	0.000	0.000	0.000
	C210	-20.698	-38.149	704.844	0.000	0.000	0.000
	C211	-12.671	-183.769	374.858	0.000	0.000	0.000
	C212	-11.129	-179.416	385.404	0.000	0.000	0.000
	C213	17.893	141.661	1107.123	0.000	0.000	0.000
	C214	19.435	146.014	1117.670	0.000	0.000	0.000
	C215	16.585	-21.919	739.914	0.000	0.000	0.000
	C216	18.127	-17.566	750.461	0.000	0.000	0.000
	C301	6.965	24.842	498.630	0.000	0.000	0.000
	C302	7.402	30.021	492.903	0.000	0.000	0.000
	C303	9.965	-151.030	151.913	0.000	0.000	0.000
	C304	10.403	-145.852	146.186	0.000	0.000	0.000
	C305	-11.173	109.115	1112.248	0.000	0.000	0.000
	C306	-10.735	114.294	1106.520	0.000	0.000	0.000
	C307	-5.590	-31.734	745.568	0.000	0.000	0.000
	C308	-5.152	-26.555	739.840	0.000	0.000	0.000
	C309	-22.240	-42.502	550.769	0.000	0.000	0.000
	C310	-20.698	-38.149	561.316	0.000	0.000	0.000
	C311	-12.671	-183.769	231.329	0.000	0.000	0.000
	C312	-11.129	-179.416	241.876	0.000	0.000	0.000
	C313	17.893	141.661	963.594	0.000	0.000	0.000
	C314	19.435	146.014	974.141	0.000	0.000	0.000
	C315	16.585	-21.919	596.386	0.000	0.000	0.000
	C316	18.127	-17.566	606.932	0.000	0.000	0.000
GC45	C101	3.367	9.395	936.888	0.000	0.000	0.000
	C102	3.556	9.697	915.623	0.000	0.000	0.000
	C103	4.955	6.616	718.287	0.000	0.000	0.000
	C104	5.144	6.918	697.022	0.000	0.000	0.000
	C105	-5.483	-9.593	1804.952	0.000	0.000	0.000
	C106	-5.294	-9.291	1783.688	0.000	0.000	0.000
	C107	-2.685	-7.050	1478.640	0.000	0.000	0.000
	C108	-2.496	-6.748	1457.376	0.000	0.000	0.000
	C109	-14.942	-0.090	1172.264	0.000	0.000	0.000
	C110	-13.907	-0.096	1180.786	0.000	0.000	0.000
	C111	-9.174	-0.162	926.162	0.000	0.000	0.000
	C112	-8.138	-0.169	934.685	0.000	0.000	0.000
	C113	12.473	0.174	1478.500	0.000	0.000	0.000
	C114	13.509	0.167	1487.023	0.000	0.000	0.000
	C115	10.926	0.019	1200.123	0.000	0.000	0.000
	C116	11.962	0.012	1208.646	0.000	0.000	0.000
	C201	4.545	12.683	639.728	0.000	0.000	0.000
	C202	4.801	13.091	611.021	0.000	0.000	0.000
	C203	6.689	8.932	344.616	0.000	0.000	0.000
	C204	6.945	9.339	315.909	0.000	0.000	0.000
	C205	-7.402	-12.951	1811.615	0.000	0.000	0.000
	C206	-7.146	-12.543	1782.907	0.000	0.000	0.000
	C207	-3.625	-9.518	1371.094	0.000	0.000	0.000
	C208	-3.369	-9.110	1342.387	0.000	0.000	0.000
	C209	-20.172	-0.122	957.485	0.000	0.000	0.000
	C210	-18.774	-0.130	968.991	0.000	0.000	0.000
	C211	-12.384	-0.219	625.248	0.000	0.000	0.000
	C212	-10.986	-0.227	636.754	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C213	16.839	0.234	1370.904	0.000	0.000	0.000
	C214	18.237	0.226	1382.410	0.000	0.000	0.000
	C215	14.750	0.025	995.095	0.000	0.000	0.000
	C216	16.148	0.017	1006.601	0.000	0.000	0.000
	C301	4.545	12.683	448.867	0.000	0.000	0.000
	C302	4.801	13.091	420.159	0.000	0.000	0.000
	C303	6.689	8.932	153.755	0.000	0.000	0.000
	C304	6.945	9.339	125.048	0.000	0.000	0.000
	C305	-7.402	-12.951	1620.753	0.000	0.000	0.000
	C306	-7.146	-12.543	1592.046	0.000	0.000	0.000
	C307	-3.625	-9.518	1180.232	0.000	0.000	0.000
	C308	-3.369	-9.110	1151.525	0.000	0.000	0.000
	C309	-20.172	-0.122	766.624	0.000	0.000	0.000
	C310	-18.774	-0.130	778.130	0.000	0.000	0.000
	C311	-12.384	-0.219	434.387	0.000	0.000	0.000
	C312	-10.986	-0.227	445.893	0.000	0.000	0.000
	C313	16.839	0.234	1180.042	0.000	0.000	0.000
	C314	18.237	0.226	1191.548	0.000	0.000	0.000
	C315	14.750	0.025	804.234	0.000	0.000	0.000
	C316	16.148	0.017	815.740	0.000	0.000	0.000
GC46	C101	20.165	275.656	458.601	0.000	0.000	0.000
	C102	20.384	297.174	422.285	0.000	0.000	0.000
	C103	22.683	325.573	301.879	0.000	0.000	0.000
	C104	22.901	347.091	265.563	0.000	0.000	0.000
	C105	8.944	-382.420	1656.465	0.000	0.000	0.000
	C106	9.163	-360.903	1620.149	0.000	0.000	0.000
	C107	12.864	-216.948	1309.065	0.000	0.000	0.000
	C108	13.083	-195.430	1272.749	0.000	0.000	0.000
	C109	-0.358	27.018	869.748	0.000	0.000	0.000
	C110	0.786	23.379	878.086	0.000	0.000	0.000
	C111	6.752	126.277	639.946	0.000	0.000	0.000
	C112	7.896	122.637	648.285	0.000	0.000	0.000
	C113	29.266	-84.400	1143.963	0.000	0.000	0.000
	C114	30.410	-88.039	1152.302	0.000	0.000	0.000
	C115	28.352	23.651	888.550	0.000	0.000	0.000
	C116	29.496	20.012	896.889	0.000	0.000	0.000
	C201	19.122	369.774	151.216	0.000	0.000	0.000
	C202	19.417	398.823	102.189	0.000	0.000	0.000
	C203	22.521	437.162	-60.358	0.000	0.000	0.000
	C204	22.816	466.211	-109.385	0.000	0.000	0.000
	C205	3.974	-518.628	1768.333	0.000	0.000	0.000
	C206	4.269	-489.580	1719.307	0.000	0.000	0.000
	C207	9.266	-295.241	1299.343	0.000	0.000	0.000
	C208	9.561	-266.192	1250.316	0.000	0.000	0.000
	C209	-8.584	34.113	706.264	0.000	0.000	0.000
	C210	-7.039	29.200	717.522	0.000	0.000	0.000
	C211	1.015	168.112	396.032	0.000	0.000	0.000
	C212	2.559	163.199	407.289	0.000	0.000	0.000
	C213	31.408	-116.301	1076.455	0.000	0.000	0.000
	C214	32.953	-121.214	1087.712	0.000	0.000	0.000
	C215	30.174	29.568	731.648	0.000	0.000	0.000
	C216	31.719	24.656	742.906	0.000	0.000	0.000
	C301	16.649	369.054	8.348	0.000	0.000	0.000
	C302	16.944	398.102	-40.679	0.000	0.000	0.000
	C303	20.048	436.441	-203.227	0.000	0.000	0.000
	C304	20.343	465.490	-252.254	0.000	0.000	0.000
	C305	1.500	-519.349	1625.465	0.000	0.000	0.000
	C306	1.795	-490.300	1576.438	0.000	0.000	0.000
	C307	6.792	-295.962	1156.475	0.000	0.000	0.000
	C308	7.087	-266.913	1107.448	0.000	0.000	0.000
	C309	-11.058	33.392	563.396	0.000	0.000	0.000
	C310	-9.513	28.479	574.653	0.000	0.000	0.000
	C311	-1.459	167.391	253.163	0.000	0.000	0.000
	C312	0.086	162.479	264.421	0.000	0.000	0.000
	C313	28.935	-117.022	933.586	0.000	0.000	0.000
	C314	30.479	-121.935	944.844	0.000	0.000	0.000
	C315	27.701	28.847	588.780	0.000	0.000	0.000
	C316	29.245	23.935	600.037	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SEA FASTENING

SF01	C101	-1228.364	709.537	663.967	0.000	0.000	0.000
	C102	-1334.865	770.987	721.504	0.000	0.000	0.000
	C103	-753.462	435.292	406.346	0.000	0.000	0.000
	C104	-859.964	496.742	463.884	0.000	0.000	0.000
	C105	1160.602	-670.440	-626.431	0.000	0.000	0.000
	C106	1054.101	-608.990	-568.894	0.000	0.000	0.000
	C107	1082.361	-625.062	-585.218	0.000	0.000	0.000
	C108	975.859	-563.612	-527.680	0.000	0.000	0.000
	C109	-1385.020	798.415	748.292	0.000	0.000	0.000
	C110	-1274.177	734.461	688.410	0.000	0.000	0.000
	C111	-896.943	517.016	483.793	0.000	0.000	0.000
	C112	-786.100	453.061	423.910	0.000	0.000	0.000
	C113	1144.540	-659.662	-617.683	0.000	0.000	0.000
	C114	1255.383	-723.617	-677.566	0.000	0.000	0.000
	C115	1038.270	-598.559	-561.487	0.000	0.000	0.000
	C116	1149.113	-662.514	-621.370	0.000	0.000	0.000
	C201	-1658.291	957.875	896.355	0.000	0.000	0.000
	C202	-1802.068	1040.832	974.031	0.000	0.000	0.000
	C203	-1017.173	587.644	548.567	0.000	0.000	0.000
	C204	-1160.951	670.601	626.243	0.000	0.000	0.000
	C205	1566.813	-905.094	-845.682	0.000	0.000	0.000
	C206	1423.036	-822.136	-768.007	0.000	0.000	0.000
	C207	1461.188	-843.833	-790.044	0.000	0.000	0.000
	C208	1317.410	-760.876	-712.368	0.000	0.000	0.000
	C209	-1869.777	1077.861	1010.195	0.000	0.000	0.000
	C210	-1720.139	991.522	929.353	0.000	0.000	0.000
	C211	-1210.873	697.971	653.121	0.000	0.000	0.000
	C212	-1061.235	611.632	572.279	0.000	0.000	0.000
	C213	1545.129	-890.544	-833.872	0.000	0.000	0.000
	C214	1694.767	-976.882	-914.714	0.000	0.000	0.000
	C215	1401.665	-808.055	-758.008	0.000	0.000	0.000
	C216	1551.303	-894.394	-838.850	0.000	0.000	0.000
	C301	-1658.291	957.875	896.355	0.000	0.000	0.000
	C302	-1802.068	1040.832	974.031	0.000	0.000	0.000
	C303	-1017.173	587.644	548.567	0.000	0.000	0.000
	C304	-1160.951	670.601	626.243	0.000	0.000	0.000
	C305	1566.813	-905.094	-845.682	0.000	0.000	0.000
	C306	1423.036	-822.136	-768.007	0.000	0.000	0.000
	C307	1461.188	-843.833	-790.044	0.000	0.000	0.000
	C308	1317.410	-760.876	-712.368	0.000	0.000	0.000
	C309	-1869.777	1077.861	1010.195	0.000	0.000	0.000
	C310	-1720.139	991.522	929.353	0.000	0.000	0.000
	C311	-1210.873	697.971	653.121	0.000	0.000	0.000
	C312	-1061.235	611.632	572.279	0.000	0.000	0.000
	C313	1545.129	-890.544	-833.872	0.000	0.000	0.000
	C314	1694.767	-976.882	-914.714	0.000	0.000	0.000
	C315	1401.665	-808.055	-758.008	0.000	0.000	0.000
	C316	1551.303	-894.394	-838.850	0.000	0.000	0.000
SF02	C101	756.937	437.531	-408.663	0.000	0.000	0.000
	C102	850.704	491.633	-459.321	0.000	0.000	0.000
	C103	833.181	481.289	-450.910	0.000	0.000	0.000
	C104	926.948	535.391	-501.568	0.000	0.000	0.000
	C105	-1107.053	-639.543	598.740	0.000	0.000	0.000
	C106	-1013.286	-585.440	548.083	0.000	0.000	0.000
	C107	-599.749	-346.601	323.614	0.000	0.000	0.000
	C108	-505.982	-292.499	272.957	0.000	0.000	0.000
	C109	-1602.895	-924.126	865.999	0.000	0.000	0.000
	C110	-1464.082	-844.033	791.005	0.000	0.000	0.000
	C111	-991.593	-571.627	534.928	0.000	0.000	0.000
	C112	-852.780	-491.534	459.934	0.000	0.000	0.000
	C113	1273.380	734.001	-687.289	0.000	0.000	0.000
	C114	1412.193	814.094	-762.283	0.000	0.000	0.000
	C115	1223.730	705.567	-661.682	0.000	0.000	0.000
	C116	1362.543	785.660	-736.675	0.000	0.000	0.000
	C201	1021.865	590.667	-551.695	0.000	0.000	0.000
	C202	1148.451	663.705	-620.083	0.000	0.000	0.000
	C203	1124.795	649.740	-608.729	0.000	0.000	0.000
	C204	1251.380	722.777	-677.116	0.000	0.000	0.000
	C205	-1494.521	-863.382	808.300	0.000	0.000	0.000
	C206	-1367.936	-790.345	739.912	0.000	0.000	0.000
	C207	-809.661	-467.912	436.879	0.000	0.000	0.000
	C208	-683.075	-394.874	368.492	0.000	0.000	0.000
	C209	-2163.908	-1247.570	1169.098	0.000	0.000	0.000
	C210	-1976.510	-1139.444	1067.857	0.000	0.000	0.000
	C211	-1338.651	-771.697	722.153	0.000	0.000	0.000
	C212	-1151.253	-663.571	620.911	0.000	0.000	0.000
	C213	1719.064	990.901	-927.840	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C214	1906.461	1099.027	-1029.081	0.000	0.000	0.000
	C215	1652.035	952.515	-893.270	0.000	0.000	0.000
	C216	1839.433	1060.641	-994.511	0.000	0.000	0.000
	C301	1021.865	590.667	-551.695	0.000	0.000	0.000
	C302	1148.451	663.705	-620.083	0.000	0.000	0.000
	C303	1124.795	649.740	-608.729	0.000	0.000	0.000
	C304	1251.380	722.777	-677.116	0.000	0.000	0.000
	C305	-1494.521	-863.382	808.300	0.000	0.000	0.000
	C306	-1367.936	-790.345	739.912	0.000	0.000	0.000
	C307	-809.661	-467.912	436.879	0.000	0.000	0.000
	C308	-683.075	-394.874	368.492	0.000	0.000	0.000
	C309	-2163.908	-1247.570	1169.098	0.000	0.000	0.000
	C310	-1976.510	-1139.444	1067.857	0.000	0.000	0.000
	C311	-1338.651	-771.697	722.153	0.000	0.000	0.000
	C312	-1151.253	-663.571	620.911	0.000	0.000	0.000
	C313	1719.064	990.901	-927.840	0.000	0.000	0.000
	C314	1906.461	1099.027	-1029.081	0.000	0.000	0.000
	C315	1652.035	952.515	-893.270	0.000	0.000	0.000
	C316	1839.433	1060.641	-994.511	0.000	0.000	0.000
SF03	C101	-841.064	486.071	454.349	0.000	0.000	0.000
	C102	-935.347	540.471	505.285	0.000	0.000	0.000
	C103	-343.797	198.921	184.646	0.000	0.000	0.000
	C104	-438.080	253.321	235.582	0.000	0.000	0.000
	C105	691.501	-399.775	-372.620	0.000	0.000	0.000
	C106	597.218	-345.376	-321.684	0.000	0.000	0.000
	C107	749.296	-432.888	-404.900	0.000	0.000	0.000
	C108	655.013	-378.488	-353.964	0.000	0.000	0.000
	C109	-1493.248	860.861	806.762	0.000	0.000	0.000
	C110	-1388.316	800.317	750.073	0.000	0.000	0.000
	C111	-898.805	518.090	484.799	0.000	0.000	0.000
	C112	-793.873	457.546	428.110	0.000	0.000	0.000
	C113	1206.905	-695.646	-651.376	0.000	0.000	0.000
	C114	1311.837	-756.190	-708.065	0.000	0.000	0.000
	C115	1146.735	-661.142	-620.085	0.000	0.000	0.000
	C116	1251.667	-721.686	-676.775	0.000	0.000	0.000
	C201	-1135.436	656.196	613.371	0.000	0.000	0.000
	C202	-1262.719	729.636	682.135	0.000	0.000	0.000
	C203	-464.126	268.544	249.272	0.000	0.000	0.000
	C204	-591.409	341.984	318.035	0.000	0.000	0.000
	C205	933.527	-539.697	-503.037	0.000	0.000	0.000
	C206	806.245	-466.257	-434.273	0.000	0.000	0.000
	C207	1011.550	-584.399	-546.615	0.000	0.000	0.000
	C208	884.268	-510.959	-477.851	0.000	0.000	0.000
	C209	-2015.885	1162.163	1089.129	0.000	0.000	0.000
	C210	-1874.227	1080.428	1012.599	0.000	0.000	0.000
	C211	-1213.386	699.421	654.479	0.000	0.000	0.000
	C212	-1071.728	617.687	577.948	0.000	0.000	0.000
	C213	1629.322	-939.122	-879.358	0.000	0.000	0.000
	C214	1770.980	-1020.856	-955.888	0.000	0.000	0.000
	C215	1548.093	-892.542	-837.115	0.000	0.000	0.000
	C216	1689.750	-974.276	-913.646	0.000	0.000	0.000
	C301	-1135.436	656.196	613.371	0.000	0.000	0.000
	C302	-1262.719	729.636	682.135	0.000	0.000	0.000
	C303	-464.126	268.544	249.272	0.000	0.000	0.000
	C304	-591.409	341.984	318.035	0.000	0.000	0.000
	C305	933.527	-539.697	-503.037	0.000	0.000	0.000
	C306	806.245	-466.257	-434.273	0.000	0.000	0.000
	C307	1011.550	-584.399	-546.615	0.000	0.000	0.000
	C308	884.268	-510.959	-477.851	0.000	0.000	0.000
	C309	-2015.885	1162.163	1089.129	0.000	0.000	0.000
	C310	-1874.227	1080.428	1012.599	0.000	0.000	0.000
	C311	-1213.386	699.421	654.479	0.000	0.000	0.000
	C312	-1071.728	617.687	577.948	0.000	0.000	0.000
	C313	1629.322	-939.122	-879.358	0.000	0.000	0.000
	C314	1770.980	-1020.856	-955.888	0.000	0.000	0.000
	C315	1548.093	-892.542	-837.115	0.000	0.000	0.000
	C316	1689.750	-974.276	-913.646	0.000	0.000	0.000
SF04	C101	1205.722	696.473	-651.499	0.000	0.000	0.000
	C102	1313.755	758.807	-709.863	0.000	0.000	0.000
	C103	1110.063	641.045	-600.875	0.000	0.000	0.000
	C104	1218.096	703.378	-659.240	0.000	0.000	0.000
	C105	-1477.897	-853.514	799.469	0.000	0.000	0.000
	C106	-1369.864	-791.180	741.104	0.000	0.000	0.000
	C107	-1008.574	-582.488	544.862	0.000	0.000	0.000
	C108	-900.541	-520.154	486.497	0.000	0.000	0.000
	C109	-1376.901	-793.731	743.906	0.000	0.000	0.000
	C110	-1268.609	-731.248	685.401	0.000	0.000	0.000
	C111	-898.003	-517.627	484.366	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C112	-789.711	-455.144	425.861	0.000	0.000	0.000
	C113	1146.500	660.792	-618.742	0.000	0.000	0.000
	C114	1254.792	723.276	-677.247	0.000	0.000	0.000
	C115	1027.239	592.194	-555.528	0.000	0.000	0.000
	C116	1135.531	654.677	-614.033	0.000	0.000	0.000
	C201	1627.725	940.239	-879.523	0.000	0.000	0.000
	C202	1773.570	1024.389	-958.316	0.000	0.000	0.000
	C203	1498.584	865.411	-811.181	0.000	0.000	0.000
	C204	1644.429	949.561	-889.973	0.000	0.000	0.000
	C205	-1995.161	-1152.244	1079.282	0.000	0.000	0.000
	C206	-1849.316	-1068.094	1000.490	0.000	0.000	0.000
	C207	-1361.576	-786.358	735.563	0.000	0.000	0.000
	C208	-1215.731	-702.208	656.771	0.000	0.000	0.000
	C209	-1858.817	-1071.537	1004.273	0.000	0.000	0.000
	C210	-1712.622	-987.184	925.292	0.000	0.000	0.000
	C211	-1212.304	-698.797	653.894	0.000	0.000	0.000
	C212	-1066.109	-614.445	574.913	0.000	0.000	0.000
	C213	1547.774	892.070	-835.302	0.000	0.000	0.000
	C214	1693.969	976.422	-914.283	0.000	0.000	0.000
	C215	1386.772	799.462	-749.962	0.000	0.000	0.000
	C216	1532.967	883.815	-828.944	0.000	0.000	0.000
	C301	1627.725	940.239	-879.523	0.000	0.000	0.000
	C302	1773.570	1024.389	-958.316	0.000	0.000	0.000
	C303	1498.584	865.411	-811.181	0.000	0.000	0.000
	C304	1644.429	949.561	-889.973	0.000	0.000	0.000
	C305	-1995.161	-1152.244	1079.282	0.000	0.000	0.000
	C306	-1849.316	-1068.094	1000.490	0.000	0.000	0.000
	C307	-1361.576	-786.358	735.563	0.000	0.000	0.000
	C308	-1215.731	-702.208	656.771	0.000	0.000	0.000
	C309	-1858.817	-1071.537	1004.273	0.000	0.000	0.000
	C310	-1712.622	-987.184	925.292	0.000	0.000	0.000
	C311	-1212.304	-698.797	653.894	0.000	0.000	0.000
	C312	-1066.109	-614.445	574.913	0.000	0.000	0.000
	C313	1547.774	892.070	-835.302	0.000	0.000	0.000
	C314	1693.969	976.422	-914.283	0.000	0.000	0.000
	C315	1386.772	799.462	-749.962	0.000	0.000	0.000
	C316	1532.967	883.815	-828.944	0.000	0.000	0.000
SF05	C101	1230.691	710.880	665.224	0.000	0.000	0.000
	C102	1336.094	771.696	722.168	0.000	0.000	0.000
	C103	741.660	428.482	399.970	0.000	0.000	0.000
	C104	847.063	489.298	456.914	0.000	0.000	0.000
	C105	-1149.283	-663.909	-620.316	0.000	0.000	0.000
	C106	-1043.880	-603.093	-563.372	0.000	0.000	0.000
	C107	-1085.476	-626.859	-586.900	0.000	0.000	0.000
	C108	-980.072	-566.042	-529.956	0.000	0.000	0.000
	C109	-1264.601	-728.935	-682.641	0.000	0.000	0.000
	C110	-1154.264	-665.272	-623.032	0.000	0.000	0.000
	C111	-1172.416	-675.959	-634.054	0.000	0.000	0.000
	C112	-1062.079	-612.296	-574.445	0.000	0.000	0.000
	C113	1293.254	745.467	698.811	0.000	0.000	0.000
	C114	1403.591	809.130	758.420	0.000	0.000	0.000
	C115	791.770	456.332	427.068	0.000	0.000	0.000
	C116	902.107	519.995	486.678	0.000	0.000	0.000
	C201	1661.433	959.688	898.053	0.000	0.000	0.000
	C202	1803.728	1041.790	974.927	0.000	0.000	0.000
	C203	1001.241	578.450	539.960	0.000	0.000	0.000
	C204	1143.535	660.552	616.834	0.000	0.000	0.000
	C205	-1551.533	-896.277	-837.427	0.000	0.000	0.000
	C206	-1409.238	-814.175	-760.553	0.000	0.000	0.000
	C207	-1465.392	-846.259	-792.315	0.000	0.000	0.000
	C208	-1323.098	-764.157	-715.441	0.000	0.000	0.000
	C209	-1707.211	-984.063	-921.566	0.000	0.000	0.000
	C210	-1558.257	-898.118	-841.093	0.000	0.000	0.000
	C211	-1582.761	-912.545	-855.973	0.000	0.000	0.000
	C212	-1433.806	-826.600	-775.501	0.000	0.000	0.000
	C213	1745.893	1006.381	943.395	0.000	0.000	0.000
	C214	1894.848	1092.326	1023.867	0.000	0.000	0.000
	C215	1068.889	616.048	576.542	0.000	0.000	0.000
	C216	1217.844	701.993	657.015	0.000	0.000	0.000
	C301	1661.433	959.688	898.053	0.000	0.000	0.000
	C302	1803.728	1041.790	974.927	0.000	0.000	0.000
	C303	1001.241	578.450	539.960	0.000	0.000	0.000
	C304	1143.535	660.552	616.834	0.000	0.000	0.000
	C305	-1551.533	-896.277	-837.427	0.000	0.000	0.000
	C306	-1409.238	-814.175	-760.553	0.000	0.000	0.000
	C307	-1465.392	-846.259	-792.315	0.000	0.000	0.000
	C308	-1323.098	-764.157	-715.441	0.000	0.000	0.000
	C309	-1707.211	-984.063	-921.566	0.000	0.000	0.000
	C310	-1558.257	-898.118	-841.093	0.000	0.000	0.000

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C311	-1582.761	-912.545	-855.973	0.000	0.000	0.000
	C312	-1433.806	-826.600	-775.501	0.000	0.000	0.000
	C313	1745.893	1006.381	943.395	0.000	0.000	0.000
	C314	1894.848	1092.326	1023.867	0.000	0.000	0.000
	C315	1068.889	616.048	576.542	0.000	0.000	0.000
	C316	1217.844	701.993	657.015	0.000	0.000	0.000
SF06	C101	-760.211	439.420	-410.432	0.000	0.000	0.000
	C102	-832.662	481.223	-449.574	0.000	0.000	0.000
	C103	-824.382	476.211	-446.156	0.000	0.000	0.000
	C104	-896.833	518.015	-485.298	0.000	0.000	0.000
	C105	1077.660	-622.583	582.861	0.000	0.000	0.000
	C106	1005.208	-580.780	543.719	0.000	0.000	0.000
	C107	584.124	-337.586	315.173	0.000	0.000	0.000
	C108	511.672	-295.783	276.031	0.000	0.000	0.000
	C109	-1431.601	825.292	-772.862	0.000	0.000	0.000
	C110	-1292.916	745.273	-697.938	0.000	0.000	0.000
	C111	-1370.391	790.188	-741.010	0.000	0.000	0.000
	C112	-1231.706	710.169	-666.086	0.000	0.000	0.000
	C113	1475.200	-850.448	797.107	0.000	0.000	0.000
	C114	1613.884	-930.467	872.031	0.000	0.000	0.000
	C115	877.201	-505.625	473.222	0.000	0.000	0.000
	C116	1015.885	-585.644	548.147	0.000	0.000	0.000
	C201	-1026.285	593.217	-554.083	0.000	0.000	0.000
	C202	-1124.094	649.651	-606.925	0.000	0.000	0.000
	C203	-1112.915	642.885	-602.311	0.000	0.000	0.000
	C204	-1210.725	699.320	-655.152	0.000	0.000	0.000
	C205	1454.841	-840.487	786.862	0.000	0.000	0.000
	C206	1357.031	-784.052	734.021	0.000	0.000	0.000
	C207	788.567	-455.741	425.484	0.000	0.000	0.000
	C208	690.758	-399.306	372.642	0.000	0.000	0.000
	C209	-1932.661	1114.144	-1043.364	0.000	0.000	0.000
	C210	-1745.437	1006.118	-942.217	0.000	0.000	0.000
	C211	-1850.027	1066.754	-1000.363	0.000	0.000	0.000
	C212	-1662.803	958.728	-899.216	0.000	0.000	0.000
	C213	1991.519	-1148.104	1076.094	0.000	0.000	0.000
	C214	2178.744	-1256.130	1177.242	0.000	0.000	0.000
	C215	1184.221	-682.593	638.850	0.000	0.000	0.000
	C216	1371.445	-790.619	739.998	0.000	0.000	0.000
	C301	-1026.285	593.217	-554.083	0.000	0.000	0.000
	C302	-1124.094	649.651	-606.925	0.000	0.000	0.000
	C303	-1112.915	642.885	-602.311	0.000	0.000	0.000
	C304	-1210.725	699.320	-655.152	0.000	0.000	0.000
	C305	1454.841	-840.487	786.862	0.000	0.000	0.000
	C306	1357.031	-784.052	734.021	0.000	0.000	0.000
	C307	788.567	-455.741	425.484	0.000	0.000	0.000
	C308	690.758	-399.306	372.642	0.000	0.000	0.000
	C309	-1932.661	1114.144	-1043.364	0.000	0.000	0.000
	C310	-1745.437	1006.118	-942.217	0.000	0.000	0.000
	C311	-1850.027	1066.754	-1000.363	0.000	0.000	0.000
	C312	-1662.803	958.728	-899.216	0.000	0.000	0.000
	C313	1991.519	-1148.104	1076.094	0.000	0.000	0.000
	C314	2178.744	-1256.130	1177.242	0.000	0.000	0.000
	C315	1184.221	-682.593	638.850	0.000	0.000	0.000
	C316	1371.445	-790.619	739.998	0.000	0.000	0.000
SF07	C101	848.725	490.491	458.488	0.000	0.000	0.000
	C102	922.625	533.131	498.412	0.000	0.000	0.000
	C103	362.602	209.772	194.805	0.000	0.000	0.000
	C104	436.502	252.411	234.729	0.000	0.000	0.000
	C105	-688.974	-398.318	-371.255	0.000	0.000	0.000
	C106	-615.075	-355.679	-331.331	0.000	0.000	0.000
	C107	-734.707	-424.471	-397.018	0.000	0.000	0.000
	C108	-660.807	-381.831	-357.094	0.000	0.000	0.000
	C109	-1352.514	-779.660	-730.136	0.000	0.000	0.000
	C110	-1247.367	-718.992	-673.331	0.000	0.000	0.000
	C111	-1279.357	-737.664	-691.830	0.000	0.000	0.000
	C112	-1174.210	-676.995	-635.024	0.000	0.000	0.000
	C113	1421.202	819.292	767.935	0.000	0.000	0.000
	C114	1526.350	879.961	824.741	0.000	0.000	0.000
	C115	836.119	481.921	451.028	0.000	0.000	0.000
	C116	941.266	542.590	507.834	0.000	0.000	0.000
	C201	1145.779	662.164	618.959	0.000	0.000	0.000
	C202	1245.544	719.726	672.857	0.000	0.000	0.000
	C203	489.513	283.192	262.987	0.000	0.000	0.000
	C204	589.278	340.754	316.885	0.000	0.000	0.000
	C205	-930.116	-537.729	-501.195	0.000	0.000	0.000
	C206	-830.351	-480.166	-447.297	0.000	0.000	0.000
	C207	-991.854	-573.035	-535.974	0.000	0.000	0.000
	C208	-892.090	-515.472	-482.077	0.000	0.000	0.000

	C209	-1825.895	-1052.542	-985.684	0.000	0.000	0.000
	C210	-1683.945	-970.639	-908.996	0.000	0.000	0.000
	C211	-1727.133	-995.846	-933.970	0.000	0.000	0.000
	C212	-1585.183	-913.943	-857.282	0.000	0.000	0.000
	C213	1918.623	1106.045	1036.713	0.000	0.000	0.000
	C214	2060.572	1187.947	1113.400	0.000	0.000	0.000
	C215	1128.760	650.593	608.888	0.000	0.000	0.000
	C216	1270.709	732.496	685.576	0.000	0.000	0.000
	C301	1145.779	662.164	618.959	0.000	0.000	0.000
	C302	1245.544	719.726	672.857	0.000	0.000	0.000
	C303	489.513	283.192	262.987	0.000	0.000	0.000
	C304	589.278	340.754	316.885	0.000	0.000	0.000
	C305	-930.116	-537.729	-501.195	0.000	0.000	0.000
	C306	-830.351	-480.166	-447.297	0.000	0.000	0.000
	C307	-991.854	-573.035	-535.974	0.000	0.000	0.000
	C308	-892.090	-515.472	-482.077	0.000	0.000	0.000
	C309	-1825.895	-1052.542	-985.684	0.000	0.000	0.000
	C310	-1683.945	-970.639	-908.996	0.000	0.000	0.000
	C311	-1727.133	-995.846	-933.970	0.000	0.000	0.000
	C312	-1585.183	-913.943	-857.282	0.000	0.000	0.000
	C313	1918.623	1106.045	1036.713	0.000	0.000	0.000
	C314	2060.572	1187.947	1113.400	0.000	0.000	0.000
	C315	1128.760	650.593	608.888	0.000	0.000	0.000
	C316	1270.709	732.496	685.576	0.000	0.000	0.000
SF08	C101	-1213.547	700.988	-655.727	0.000	0.000	0.000
	C102	-1321.414	763.226	-714.001	0.000	0.000	0.000
	C103	-1126.910	650.766	-609.977	0.000	0.000	0.000
	C104	-1234.777	713.004	-668.252	0.000	0.000	0.000
	C105	1494.497	-863.093	808.437	0.000	0.000	0.000
	C106	1386.631	-800.855	750.162	0.000	0.000	0.000
	C107	1013.843	-585.528	547.708	0.000	0.000	0.000
	C108	905.976	-523.290	489.433	0.000	0.000	0.000
	C109	-1287.044	741.885	-694.766	0.000	0.000	0.000
	C110	-1178.913	679.495	-636.349	0.000	0.000	0.000
	C111	-1175.232	677.585	-635.576	0.000	0.000	0.000
	C112	-1067.102	615.195	-577.159	0.000	0.000	0.000
	C113	1307.692	-753.798	706.612	0.000	0.000	0.000
	C114	1415.823	-816.188	765.029	0.000	0.000	0.000
	C115	816.652	-470.689	440.511	0.000	0.000	0.000
	C116	924.783	-533.079	498.929	0.000	0.000	0.000
	C201	-1638.289	946.334	-885.231	0.000	0.000	0.000
	C202	-1783.909	1030.355	-963.902	0.000	0.000	0.000
	C203	-1521.329	878.534	-823.469	0.000	0.000	0.000
	C204	-1666.949	962.555	-902.140	0.000	0.000	0.000
	C205	2017.572	-1165.175	1091.390	0.000	0.000	0.000
	C206	1871.951	-1081.154	1012.719	0.000	0.000	0.000
	C207	1368.688	-790.462	739.406	0.000	0.000	0.000
	C208	1223.067	-706.442	660.735	0.000	0.000	0.000
	C209	-1737.509	1001.545	-937.934	0.000	0.000	0.000
	C210	-1591.533	917.318	-859.071	0.000	0.000	0.000
	C211	-1586.563	914.739	-858.028	0.000	0.000	0.000
	C212	-1440.587	830.513	-779.164	0.000	0.000	0.000
	C213	1765.384	-1017.628	953.926	0.000	0.000	0.000
	C214	1911.361	-1101.854	1032.789	0.000	0.000	0.000
	C215	1102.481	-635.430	594.690	0.000	0.000	0.000
	C216	1248.457	-719.657	673.554	0.000	0.000	0.000
	C301	-1638.289	946.334	-885.231	0.000	0.000	0.000
	C302	-1783.909	1030.355	-963.902	0.000	0.000	0.000
	C303	-1521.329	878.534	-823.469	0.000	0.000	0.000
	C304	-1666.949	962.555	-902.140	0.000	0.000	0.000
	C305	2017.572	-1165.175	1091.390	0.000	0.000	0.000
	C306	1871.951	-1081.154	1012.719	0.000	0.000	0.000
	C307	1368.688	-790.462	739.406	0.000	0.000	0.000
	C308	1223.067	-706.442	660.735	0.000	0.000	0.000
	C309	-1737.509	1001.545	-937.934	0.000	0.000	0.000
	C310	-1591.533	917.318	-859.071	0.000	0.000	0.000
	C311	-1586.563	914.739	-858.028	0.000	0.000	0.000
	C312	-1440.587	830.513	-779.164	0.000	0.000	0.000
	C313	1765.384	-1017.628	953.926	0.000	0.000	0.000
	C314	1911.361	-1101.854	1032.789	0.000	0.000	0.000
	C315	1102.481	-635.430	594.690	0.000	0.000	0.000
	C316	1248.457	-719.657	673.554	0.000	0.000	0.000

Table 11.2 - Reaction Forces in Transportation Conditions

11.1.2 Grillage Upper layer to Lower layer connection forces

The connection between the beams of grillage at different levels is made effective through dummy elements. Dummy elements and respective end joints are shown in Fig. 9.8. Dummy elements' internal forces for gravity loads, transient loads and their combinations in transportation conditions are fully detailed, for all load combinations, in Appendix C. Dummy elements' internal forces for all load combinations are summarized in following Table 11.3 with reference to STEP 3 analysis.

Internal forces are reported according to member local reference system.

MEMBER	MEMBER END	GROUP	LOAD CASE	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	REMARK
32- 40	32	DUM	C304	**189**	9	41	3	-16	-1	MAX Fx
148- 156	148	DUM	C205	**-1423**	**-142**	47	4	-54	**86**	min Fx - MAX Mz - min Fy
147- 155	147	DUM	C205	-1350	**118**	76	-4	-88	-71	MAX Fy
159- 164	159	DUM	C205	-1207	13	**295**	9	-117	-10	MAX Fz
22- 27	22	DUM	C205	-1185	13	**-289**	-8	115	-11	min Fz
151- 159	151	DUM	C205	-1283	38	153	**10**	-64	-23	MAX Mx
14- 22	14	DUM	C205	-1262	37	-150	**-9**	63	-22	min Mx
151- 159	159	DUM	C205	-1283	38	153	10	**120**	23	MAX My
14- 22	22	DUM	C205	-1262	37	-150	-9	**-118**	22	min My
148- 156	156	DUM	C205	-1423	-142	47	4	2	**-85**	min Mz

Table 11.3 – upper to lower layers connection forces

11.1.3 Seafastening Internal Forces

In the following SACS excerpt, Seafastening internal forces are reported for all load combinations with reference to STEP 3 analysis. Internal forces are reported according to member local reference system.

MEMBER	MEMBER END	GROUP	LOAD CASE	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	REMARK
228-SF06	SF06	SF1	C209	**2463**	-1	0	0	0	0	MAX Fx
228-SF06	SF06	SF1	C214	**-2777**	0	-1	0	0	0	min Fx
176-SF07	176	SF1	C105	881	**6**	4	0	-10	-12	MAX Fy
176-SF07	SF07	SF1	C205	1186	**-2**	0	0	0	0	min Fy
38-SF03	38	SF1	C105	884	-1	**7**	0	-15	0	MAX Fz
38-SF03	SF03	SF1	C205	1190	1	**-1**	0	0	0	min Fz

Table 11.4 – SF internal forces summary Table

38-SF03	38	SF1	C101	-1068.76	0.70	6.15	0.00	-15.02	-0.00
			C102	-1188.94	0.70	6.15	0.00	-15.02	-0.00
			C103	-435.46	0.49	5.24	0.00	-15.02	-0.00
			C104	-555.64	0.49	5.24	0.00	-15.02	-0.00
			C105	884.47	-0.70	7.42	0.00	-15.02	-0.00
			C106	764.29	-0.70	7.42	0.00	-15.02	-0.00
			C107	957.79	-0.49	6.42	0.00	-15.02	-0.00
			C108	837.61	-0.49	6.42	0.00	-15.02	-0.00
			C109	-1897.54	-0.64	6.50	0.00	-15.02	-0.00
			C110	-1763.79	-0.64	6.50	0.00	-15.02	-0.00
			C111	-1141.02	-0.45	5.72	0.00	-15.02	-0.00
			C112	-1007.26	-0.45	5.72	0.00	-15.02	-0.00
			C113	1538.80	0.64	6.86	0.00	-15.02	-0.00
			C114	1672.56	0.64	6.86	0.00	-15.02	-0.00
			C115	1462.44	0.45	5.80	0.00	-15.02	-0.00
			C116	1596.19	0.45	5.80	0.00	-15.02	-0.00
			C201	-1444.32	0.94	5.09	0.00	-12.71	-0.00
			C202	-1606.56	0.94	5.09	0.00	-12.71	-0.00
			C203	-589.37	0.67	3.87	0.00	-12.71	-0.00
			C204	-751.61	0.67	3.87	0.00	-12.71	-0.00
			C205	1192.53	-0.94	6.82	0.00	-12.71	-0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C206	1030.28	-0.94	6.82	0.00	-12.71	-0.00
			C207	1291.52	-0.67	5.46	0.00	-12.71	-0.00
			C208	1129.28	-0.67	5.46	0.00	-12.71	-0.00
			C209	-2563.18	-0.86	5.57	0.00	-12.71	-0.00
			C210	-2382.62	-0.86	5.57	0.00	-12.71	-0.00
			C211	-1541.87	-0.61	4.51	0.00	-12.71	-0.00
			C212	-1361.31	-0.61	4.51	0.00	-12.71	-0.00
			C213	2075.88	0.86	6.05	0.00	-12.71	-0.00
			C214	2256.45	0.86	6.05	0.00	-12.71	-0.00
			C215	1972.79	0.61	4.62	0.00	-12.71	-0.00
			C216	2153.35	0.61	4.62	0.00	-12.71	-0.00
			C301	-1444.78	0.94	4.12	0.00	-10.40	-0.00
			C302	-1607.02	0.94	4.12	0.00	-10.40	-0.00
			C303	-589.83	0.67	2.89	0.00	-10.40	-0.00
			C304	-752.07	0.67	2.89	0.00	-10.40	-0.00
			C305	1192.07	-0.94	5.84	0.00	-10.40	-0.00
			C306	1029.83	-0.94	5.84	0.00	-10.40	-0.00
			C307	1291.06	-0.67	4.48	0.00	-10.40	-0.00
			C308	1128.82	-0.67	4.48	0.00	-10.40	-0.00
			C309	-2563.64	-0.86	4.59	0.00	-10.40	-0.00
			C310	-2383.08	-0.86	4.59	0.00	-10.40	-0.00
			C311	-1542.33	-0.61	3.53	0.00	-10.40	-0.00
			C312	-1361.77	-0.61	3.53	0.00	-10.40	-0.00
			C313	2075.42	0.86	5.07	0.00	-10.40	-0.00
			C314	2255.99	0.86	5.07	0.00	-10.40	-0.00
			C315	1972.33	0.61	3.64	0.00	-10.40	-0.00
			C316	2152.90	0.61	3.64	0.00	-10.40	-0.00
	SF03		C101	-1072.42	-0.68	0.20	0.00	-0.00	0.00
			C102	-1192.60	-0.68	0.20	0.00	-0.00	0.00
			C103	-438.02	-0.48	1.11	0.00	-0.00	0.00
			C104	-558.20	-0.48	1.11	0.00	-0.00	0.00
			C105	881.38	0.68	-1.04	0.00	-0.00	0.00
			C106	761.21	0.68	-1.04	0.00	-0.00	0.00
			C107	955.40	0.48	-0.03	0.00	-0.00	0.00
			C108	835.22	0.48	-0.03	0.00	-0.00	0.00
			C109	-1903.09	0.62	-0.19	0.00	-0.00	0.00
			C110	-1769.33	0.62	-0.19	0.00	-0.00	0.00
			C111	-1145.12	0.44	0.60	0.00	-0.00	0.00
			C112	-1011.37	0.44	0.60	0.00	-0.00	0.00
			C113	1537.80	-0.62	-0.44	0.00	-0.00	0.00
			C114	1671.55	-0.62	-0.44	0.00	-0.00	0.00
			C115	1461.72	-0.44	0.62	0.00	-0.00	0.00
			C116	1595.47	-0.44	0.62	0.00	-0.00	0.00
			C201	-1447.77	-0.92	0.27	0.00	-0.00	0.00
			C202	-1610.01	-0.92	0.27	0.00	-0.00	0.00
			C203	-591.32	-0.65	1.49	0.00	-0.00	0.00
			C204	-753.57	-0.65	1.49	0.00	-0.00	0.00
			C205	1189.87	0.92	-1.40	0.00	-0.00	0.00
			C206	1027.63	0.92	-1.40	0.00	-0.00	0.00
			C207	1289.78	0.65	-0.04	0.00	-0.00	0.00
			C208	1127.54	0.65	-0.04	0.00	-0.00	0.00
			C209	-2569.17	0.84	-0.25	0.00	-0.00	0.00
			C210	-2388.60	0.84	-0.25	0.00	-0.00	0.00
			C211	-1545.91	0.59	0.81	0.00	-0.00	0.00
			C212	-1365.34	0.59	0.81	0.00	-0.00	0.00
			C213	2076.03	-0.84	-0.59	0.00	-0.00	0.00
			C214	2256.60	-0.84	-0.59	0.00	-0.00	0.00
			C215	1973.32	-0.59	0.83	0.00	-0.00	0.00
			C216	2153.88	-0.59	0.83	0.00	-0.00	0.00
			C301	-1447.77	-0.92	0.27	0.00	-0.00	0.00
			C302	-1610.01	-0.92	0.27	0.00	-0.00	0.00
			C303	-591.32	-0.65	1.49	0.00	-0.00	0.00
			C304	-753.57	-0.65	1.49	0.00	-0.00	0.00
			C305	1189.87	0.92	-1.40	0.00	-0.00	0.00
			C306	1027.63	0.92	-1.40	0.00	-0.00	0.00
			C307	1289.78	0.65	-0.04	0.00	-0.00	0.00
			C308	1127.54	0.65	-0.04	0.00	-0.00	0.00
			C309	-2569.17	0.84	-0.25	0.00	-0.00	0.00
			C310	-2388.60	0.84	-0.25	0.00	-0.00	0.00
			C311	-1545.91	0.59	0.81	0.00	-0.00	0.00
			C312	-1365.34	0.59	0.81	0.00	-0.00	0.00
			C313	2076.03	-0.84	-0.59	0.00	-0.00	0.00
			C314	2256.60	-0.84	-0.59	0.00	-0.00	0.00
			C315	1973.32	-0.59	0.83	0.00	-0.00	0.00
			C316	2153.88	-0.59	0.83	0.00	-0.00	0.00
38-SF04	38	SF1	C101	1539.47	0.70	6.45	0.00	-15.02	0.00
			C102	1677.18	0.70	6.45	0.00	-15.02	0.00
			C103	1417.20	0.49	5.45	0.00	-15.02	0.00
			C104	1554.90	0.49	5.45	0.00	-15.02	0.00
			C105	-1880.05	-0.70	7.12	0.00	-15.02	0.00
			C106	-1742.35	-0.70	7.12	0.00	-15.02	0.00
			C107	-1282.38	-0.49	6.21	0.00	-15.02	0.00
			C108	-1144.67	-0.49	6.21	0.00	-15.02	0.00
			C109	-1749.24	0.64	6.50	0.00	-15.02	0.00
			C110	-1611.20	0.64	6.50	0.00	-15.02	0.00
			C111	-1140.00	0.45	5.72	0.00	-15.02	0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C112	-1001.96	0.45	5.72	0.00	-15.02	0.00
		C113	1461.80	-0.64	6.86	0.00	-15.02	0.00
		C114	1599.84	-0.64	6.86	0.00	-15.02	0.00
		C115	1310.12	-0.45	5.80	0.00	-15.02	0.00
		C116	1448.16	-0.45	5.80	0.00	-15.02	0.00
		C201	2076.79	0.94	5.51	0.00	-12.71	0.00
		C202	2262.69	0.94	5.51	0.00	-12.71	0.00
		C203	1911.71	0.67	4.15	0.00	-12.71	0.00
		C204	2097.62	0.67	4.15	0.00	-12.71	0.00
		C205	-2539.57	-0.94	6.40	0.00	-12.71	0.00
		C206	-2353.67	-0.94	6.40	0.00	-12.71	0.00
		C207	-1732.71	-0.67	5.18	0.00	-12.71	0.00
		C208	-1546.80	-0.67	5.18	0.00	-12.71	0.00
		C209	-2362.97	0.86	5.57	0.00	-12.71	0.00
		C210	-2176.62	0.86	5.57	0.00	-12.71	0.00
		C211	-1540.50	0.61	4.51	0.00	-12.71	0.00
		C212	-1354.15	0.61	4.51	0.00	-12.71	0.00
		C213	1971.94	-0.86	6.05	0.00	-12.71	0.00
		C214	2158.29	-0.86	6.05	0.00	-12.71	0.00
		C215	1767.16	-0.61	4.62	0.00	-12.71	0.00
		C216	1953.51	-0.61	4.62	0.00	-12.71	0.00
		C301	2076.33	0.94	4.53	0.00	-10.40	0.00
		C302	2262.23	0.94	4.53	0.00	-10.40	0.00
		C303	1911.26	0.67	3.17	0.00	-10.40	0.00
		C304	2097.16	0.67	3.17	0.00	-10.40	0.00
		C305	-2540.03	-0.94	5.43	0.00	-10.40	0.00
		C306	-2354.13	-0.94	5.43	0.00	-10.40	0.00
		C307	-1733.17	-0.67	4.20	0.00	-10.40	0.00
		C308	-1547.26	-0.67	4.20	0.00	-10.40	0.00
		C309	-2363.43	0.86	4.59	0.00	-10.40	0.00
		C310	-2177.08	0.86	4.59	0.00	-10.40	0.00
		C311	-1540.95	0.61	3.53	0.00	-10.40	0.00
		C312	-1354.60	0.61	3.53	0.00	-10.40	0.00
		C313	1971.48	-0.86	5.07	0.00	-10.40	0.00
		C314	2157.83	-0.86	5.07	0.00	-10.40	0.00
		C315	1766.70	-0.61	3.64	0.00	-10.40	0.00
		C316	1953.05	-0.61	3.64	0.00	-10.40	0.00
	SF04	C101	1537.30	-0.68	-0.07	0.00	0.00	-0.00
		C102	1675.01	-0.68	-0.07	0.00	0.00	-0.00
		C103	1415.71	-0.48	0.94	0.00	0.00	-0.00
		C104	1553.41	-0.48	0.94	0.00	0.00	-0.00
		C105	-1884.63	0.68	-0.77	0.00	0.00	-0.00
		C106	-1746.92	0.68	-0.77	0.00	0.00	-0.00
		C107	-1285.84	0.48	0.13	0.00	0.00	-0.00
		C108	-1148.13	0.48	0.13	0.00	0.00	-0.00
		C109	-1754.78	-0.62	-0.19	0.00	0.00	-0.00
		C110	-1616.75	-0.62	-0.19	0.00	0.00	-0.00
		C111	-1144.10	-0.44	0.60	0.00	0.00	-0.00
		C112	-1006.06	-0.44	0.60	0.00	0.00	-0.00
		C113	1460.80	0.62	-0.44	0.00	0.00	-0.00
		C114	1598.84	0.62	-0.44	0.00	0.00	-0.00
		C115	1309.40	0.44	0.62	0.00	0.00	-0.00
		C116	1447.44	0.44	0.62	0.00	0.00	-0.00
		C201	2075.35	-0.92	-0.09	0.00	0.00	-0.00
		C202	2261.26	-0.92	-0.09	0.00	0.00	-0.00
		C203	1911.20	-0.65	1.27	0.00	0.00	-0.00
		C204	2097.11	-0.65	1.27	0.00	0.00	-0.00
		C205	-2544.24	0.92	-1.04	0.00	0.00	-0.00
		C206	-2358.34	0.92	-1.04	0.00	0.00	-0.00
		C207	-1735.89	0.65	0.18	0.00	0.00	-0.00
		C208	-1549.98	0.65	0.18	0.00	0.00	-0.00
		C209	-2368.96	-0.84	-0.25	0.00	0.00	-0.00
		C210	-2182.61	-0.84	-0.25	0.00	0.00	-0.00
		C211	-1544.53	-0.59	0.81	0.00	0.00	-0.00
		C212	-1358.18	-0.59	0.81	0.00	0.00	-0.00
		C213	1972.09	0.84	-0.59	0.00	0.00	-0.00
		C214	2158.44	0.84	-0.59	0.00	0.00	-0.00
		C215	1767.69	0.59	0.83	0.00	0.00	-0.00
		C216	1954.04	0.59	0.83	0.00	0.00	-0.00
		C301	2075.35	-0.92	-0.09	0.00	0.00	-0.00
		C302	2261.26	-0.92	-0.09	0.00	0.00	-0.00
		C303	1911.20	-0.65	1.27	0.00	0.00	-0.00
		C304	2097.11	-0.65	1.27	0.00	0.00	-0.00
		C305	-2544.24	0.92	-1.04	0.00	0.00	-0.00
		C306	-2358.34	0.92	-1.04	0.00	0.00	-0.00
		C307	-1735.89	0.65	0.18	0.00	0.00	-0.00
		C308	-1549.98	0.65	0.18	0.00	0.00	-0.00
		C309	-2368.96	-0.84	-0.25	0.00	0.00	-0.00
		C310	-2182.61	-0.84	-0.25	0.00	0.00	-0.00
		C311	-1544.53	-0.59	0.81	0.00	0.00	-0.00
		C312	-1358.18	-0.59	0.81	0.00	0.00	-0.00
		C313	1972.09	0.84	-0.59	0.00	0.00	-0.00
		C314	2158.44	0.84	-0.59	0.00	0.00	-0.00
		C315	1767.69	0.59	0.83	0.00	0.00	-0.00
		C316	1954.04	0.59	0.83	0.00	0.00	-0.00
176-SF07	176 SF1	C101	-1078.52	4.27	4.48	-0.00	-9.63	-11.53

	C102	-1172.72	4.27	4.48	-0.00	-9.63	-11.53
	C103	-459.43	3.71	3.74	-0.00	-9.63	-11.53
	C104	-553.63	3.71	3.74	-0.00	-9.63	-11.53
	C105	881.24	6.15	4.22	-0.00	-9.63	-11.53
	C106	787.05	6.15	4.22	-0.00	-9.63	-11.53
	C107	939.20	5.24	3.73	-0.00	-9.63	-11.53
	C108	845.00	5.24	3.73	-0.00	-9.63	-11.53
	C109	1724.37	4.79	4.83	-0.00	-9.63	-11.53
	C110	1590.34	4.79	4.83	-0.00	-9.63	-11.53
	C111	1631.45	4.10	4.01	-0.00	-9.63	-11.53
	C112	1497.42	4.10	4.01	-0.00	-9.63	-11.53
	C113	-1805.67	5.47	3.73	-0.00	-9.63	-11.53
	C114	-1939.70	5.47	3.73	-0.00	-9.63	-11.53
	C115	-1061.07	4.75	3.37	-0.00	-9.63	-11.53
	C116	-1195.10	4.75	3.37	-0.00	-9.63	-11.53
	C201	-1457.51	3.31	3.99	-0.00	-8.15	-9.76
	C202	-1584.67	3.31	3.99	-0.00	-8.15	-9.76
	C203	-621.73	2.54	2.99	-0.00	-8.15	-9.76
	C204	-748.90	2.54	2.99	-0.00	-8.15	-9.76
	C205	1188.18	5.84	3.64	-0.00	-8.15	-9.76
	C206	1061.01	5.84	3.64	-0.00	-8.15	-9.76
	C207	1266.41	4.62	2.98	-0.00	-8.15	-9.76
	C208	1139.25	4.62	2.98	-0.00	-8.15	-9.76
	C209	2326.39	4.00	4.46	-0.00	-8.15	-9.76
	C210	2145.45	4.00	4.46	-0.00	-8.15	-9.76
	C211	2200.95	3.07	3.36	-0.00	-8.15	-9.76
	C212	2020.01	3.07	3.36	-0.00	-8.15	-9.76
	C213	-2439.15	4.92	2.98	-0.00	-8.15	-9.76
	C214	-2620.09	4.92	2.98	-0.00	-8.15	-9.76
	C215	-1433.95	3.94	2.50	-0.00	-8.15	-9.76
	C216	-1614.89	3.94	2.50	-0.00	-8.15	-9.76
	C301	-1457.96	2.56	3.36	-0.00	-6.66	-7.98
	C302	-1585.13	2.56	3.36	-0.00	-6.66	-7.98
	C303	-622.19	1.79	2.37	-0.00	-6.66	-7.98
	C304	-749.36	1.79	2.37	-0.00	-6.66	-7.98
	C305	1187.72	5.08	3.02	-0.00	-6.66	-7.98
	C306	1060.55	5.08	3.02	-0.00	-6.66	-7.98
	C307	1265.96	3.87	2.36	-0.00	-6.66	-7.98
	C308	1138.79	3.87	2.36	-0.00	-6.66	-7.98
	C309	2325.93	3.25	3.83	-0.00	-6.66	-7.98
	C310	2145.00	3.25	3.83	-0.00	-6.66	-7.98
	C311	2200.49	2.32	2.73	-0.00	-6.66	-7.98
	C312	2019.55	2.32	2.73	-0.00	-6.66	-7.98
	C313	-2439.61	4.16	2.36	-0.00	-6.66	-7.98
	C314	-2620.55	4.16	2.36	-0.00	-6.66	-7.98
	C315	-1434.41	3.19	1.87	-0.00	-6.66	-7.98
	C316	-1615.35	3.19	1.87	-0.00	-6.66	-7.98
SF07	C101	-1082.19	0.59	-0.40	-0.00	0.00	0.00
	C102	-1176.38	0.59	-0.40	-0.00	0.00	0.00
	C103	-461.99	1.16	0.34	-0.00	0.00	0.00
	C104	-556.18	1.16	0.34	-0.00	0.00	0.00
	C105	878.16	-1.24	-0.14	-0.00	0.00	0.00
	C106	783.97	-1.24	-0.14	-0.00	0.00	0.00
	C107	936.80	-0.33	0.35	-0.00	0.00	0.00
	C108	842.60	-0.33	0.35	-0.00	0.00	0.00
	C109	1723.45	0.13	-0.71	-0.00	0.00	0.00
	C110	1589.42	0.13	-0.71	-0.00	0.00	0.00
	C111	1630.81	0.82	0.11	-0.00	0.00	0.00
	C112	1496.78	0.82	0.11	-0.00	0.00	0.00
	C113	-1811.29	-0.61	0.30	-0.00	0.00	0.00
	C114	-1945.32	-0.61	0.30	-0.00	0.00	0.00
	C115	-1065.26	0.11	0.67	-0.00	0.00	0.00
	C116	-1199.28	0.11	0.67	-0.00	0.00	0.00
	C201	-1460.95	0.80	-0.54	-0.00	0.00	0.00
	C202	-1588.12	0.80	-0.54	-0.00	0.00	0.00
	C203	-623.68	1.56	0.46	-0.00	0.00	0.00
	C204	-750.85	1.56	0.46	-0.00	0.00	0.00
	C205	1185.52	-1.67	-0.19	-0.00	0.00	0.00
	C206	1058.35	-1.67	-0.19	-0.00	0.00	0.00
	C207	1264.68	-0.45	0.47	-0.00	0.00	0.00
	C208	1137.51	-0.45	0.47	-0.00	0.00	0.00
	C209	2326.65	0.17	-0.95	-0.00	0.00	0.00
	C210	2145.71	0.17	-0.95	-0.00	0.00	0.00
	C211	2201.59	1.11	0.15	-0.00	0.00	0.00
	C212	2020.65	1.11	0.15	-0.00	0.00	0.00
	C213	-2445.24	-0.82	0.41	-0.00	0.00	0.00
	C214	-2626.18	-0.82	0.41	-0.00	0.00	0.00
	C215	-1438.09	0.15	0.90	-0.00	0.00	0.00
	C216	-1619.03	0.15	0.90	-0.00	0.00	0.00
	C301	-1460.95	0.80	-0.54	-0.00	0.00	0.00
	C302	-1588.12	0.80	-0.54	-0.00	0.00	0.00
	C303	-623.68	1.56	0.46	-0.00	0.00	0.00
	C304	-750.85	1.56	0.46	-0.00	0.00	0.00
	C305	1185.52	-1.67	-0.19	-0.00	0.00	0.00
	C306	1058.35	-1.67	-0.19	-0.00	0.00	0.00
	C307	1264.68	-0.45	0.47	-0.00	0.00	0.00

			C308	1137.51	-0.45	0.47	-0.00	0.00	0.00
			C309	2326.65	0.17	-0.95	-0.00	0.00	0.00
			C310	2145.71	0.17	-0.95	-0.00	0.00	0.00
			C311	2201.59	1.11	0.15	-0.00	0.00	0.00
			C312	2020.65	1.11	0.15	-0.00	0.00	0.00
			C313	-2445.24	-0.82	0.41	-0.00	0.00	0.00
			C314	-2626.18	-0.82	0.41	-0.00	0.00	0.00
			C315	-1438.09	0.15	0.90	-0.00	0.00	0.00
			C316	-1619.03	0.15	0.90	-0.00	0.00	0.00
176-SF08	176	SF1	C101	1549.45	4.51	4.67	0.00	-9.63	-11.53
			C102	1686.94	4.51	4.67	0.00	-9.63	-11.53
			C103	1438.67	3.87	3.87	0.00	-9.63	-11.53
			C104	1576.17	3.87	3.87	0.00	-9.63	-11.53
			C105	-1901.21	5.91	4.03	0.00	-9.63	-11.53
			C106	-1763.72	5.91	4.03	0.00	-9.63	-11.53
			C107	-1289.09	5.09	3.60	0.00	-9.63	-11.53
			C108	-1151.60	5.09	3.60	0.00	-9.63	-11.53
			C109	1640.91	5.61	3.85	0.00	-9.63	-11.53
			C110	1503.08	5.61	3.85	0.00	-9.63	-11.53
			C111	1498.72	4.68	3.32	0.00	-9.63	-11.53
			C112	1360.89	4.68	3.32	0.00	-9.63	-11.53
			C113	-1660.98	4.65	4.71	0.00	-9.63	-11.53
			C114	-1798.81	4.65	4.71	0.00	-9.63	-11.53
			C115	-1036.26	4.17	4.07	0.00	-9.63	-11.53
			C116	-1174.09	4.17	4.07	0.00	-9.63	-11.53
			C201	2090.25	3.62	4.25	0.00	-8.15	-9.76
			C202	2275.87	3.62	4.25	0.00	-8.15	-9.76
			C203	1940.71	2.76	3.17	0.00	-8.15	-9.76
			C204	2126.32	2.76	3.17	0.00	-8.15	-9.76
			C205	-2568.14	5.52	3.38	0.00	-8.15	-9.76
			C206	-2382.52	5.52	3.38	0.00	-8.15	-9.76
			C207	-1741.77	4.41	2.81	0.00	-8.15	-9.76
			C208	-1556.16	4.41	2.81	0.00	-8.15	-9.76
			C209	2213.73	5.11	3.14	0.00	-8.15	-9.76
			C210	2027.66	5.11	3.14	0.00	-8.15	-9.76
			C211	2021.77	3.85	2.42	0.00	-8.15	-9.76
			C212	1835.70	3.85	2.42	0.00	-8.15	-9.76
			C213	-2243.82	3.81	4.30	0.00	-8.15	-9.76
			C214	-2429.90	3.81	4.30	0.00	-8.15	-9.76
			C215	-1400.45	3.16	3.43	0.00	-8.15	-9.76
			C216	-1586.52	3.16	3.43	0.00	-8.15	-9.76
			C301	2089.79	2.87	3.62	0.00	-6.66	-7.98
			C302	2275.41	2.87	3.62	0.00	-6.66	-7.98
			C303	1940.25	2.00	2.54	0.00	-6.66	-7.98
			C304	2125.87	2.00	2.54	0.00	-6.66	-7.98
			C305	-2568.60	4.77	2.75	0.00	-6.66	-7.98
			C306	-2382.98	4.77	2.75	0.00	-6.66	-7.98
			C307	-1742.23	3.65	2.18	0.00	-6.66	-7.98
			C308	-1556.61	3.65	2.18	0.00	-6.66	-7.98
			C309	2213.27	4.35	2.51	0.00	-6.66	-7.98
			C310	2027.20	4.35	2.51	0.00	-6.66	-7.98
			C311	2021.31	3.10	1.79	0.00	-6.66	-7.98
			C312	1835.24	3.10	1.79	0.00	-6.66	-7.98
			C313	-2244.28	3.06	3.68	0.00	-6.66	-7.98
			C314	-2430.35	3.06	3.68	0.00	-6.66	-7.98
			C315	-1400.91	2.41	2.81	0.00	-6.66	-7.98
			C316	-1586.98	2.41	2.81	0.00	-6.66	-7.98
		SF08	C101	1547.27	0.39	-0.57	0.00	-0.00	0.00
			C102	1684.77	0.39	-0.57	0.00	-0.00	0.00
			C103	1437.18	1.03	0.23	0.00	-0.00	0.00
			C104	1574.68	1.03	0.23	0.00	-0.00	0.00
			C105	-1905.79	-1.03	0.03	0.00	-0.00	0.00
			C106	-1768.29	-1.03	0.03	0.00	-0.00	0.00
			C107	-1292.56	-0.20	0.46	0.00	-0.00	0.00
			C108	-1155.06	-0.20	0.46	0.00	-0.00	0.00
			C109	1639.99	-0.67	0.25	0.00	-0.00	0.00
			C110	1502.16	-0.67	0.25	0.00	-0.00	0.00
			C111	1498.08	0.26	0.79	0.00	-0.00	0.00
			C112	1360.25	0.26	0.79	0.00	-0.00	0.00
			C113	-1666.60	0.19	-0.65	0.00	-0.00	0.00
			C114	-1804.44	0.19	-0.65	0.00	-0.00	0.00
			C115	-1040.44	0.67	-0.01	0.00	-0.00	0.00
			C116	-1178.27	0.67	-0.01	0.00	-0.00	0.00
			C201	2088.82	0.52	-0.77	0.00	-0.00	0.00
			C202	2274.44	0.52	-0.77	0.00	-0.00	0.00
			C203	1940.20	1.39	0.31	0.00	-0.00	0.00
			C204	2125.81	1.39	0.31	0.00	-0.00	0.00
			C205	-2572.81	-1.39	0.04	0.00	-0.00	0.00
			C206	-2387.19	-1.39	0.04	0.00	-0.00	0.00
			C207	-1744.95	-0.28	0.62	0.00	-0.00	0.00
			C208	-1559.33	-0.28	0.62	0.00	-0.00	0.00
			C209	2213.99	-0.91	0.34	0.00	-0.00	0.00
			C210	2027.92	-0.91	0.34	0.00	-0.00	0.00
			C211	2022.41	0.35	1.06	0.00	-0.00	0.00
			C212	1836.34	0.35	1.06	0.00	-0.00	0.00
			C213	-2249.92	0.26	-0.88	0.00	-0.00	0.00

			C214	-2435.99	0.26	-0.88	0.00	-0.00	0.00
			C215	-1404.60	0.91	-0.01	0.00	-0.00	0.00
			C216	-1590.67	0.91	-0.01	0.00	-0.00	0.00
			C301	2088.82	0.52	-0.77	0.00	-0.00	0.00
			C302	2274.44	0.52	-0.77	0.00	-0.00	0.00
			C303	1940.20	1.39	0.31	0.00	-0.00	0.00
			C304	2125.81	1.39	0.31	0.00	-0.00	0.00
			C305	-2572.81	-1.39	0.04	0.00	-0.00	0.00
			C306	-2387.19	-1.39	0.04	0.00	-0.00	0.00
			C307	-1744.95	-0.28	0.62	0.00	-0.00	0.00
			C308	-1559.33	-0.28	0.62	0.00	-0.00	0.00
			C309	2213.99	-0.91	0.34	0.00	-0.00	0.00
			C310	2027.92	-0.91	0.34	0.00	-0.00	0.00
			C311	2022.41	0.35	1.06	0.00	-0.00	0.00
			C312	1836.34	0.35	1.06	0.00	-0.00	0.00
			C313	-2249.92	0.26	-0.88	0.00	-0.00	0.00
			C314	-2435.99	0.26	-0.88	0.00	-0.00	0.00
			C315	-1404.60	0.91	-0.01	0.00	-0.00	0.00
			C316	-1590.67	0.91	-0.01	0.00	-0.00	0.00
228-SF05	228	SF1	C101	-1565.24	4.54	4.70	0.00	-9.63	-11.53
			C102	-1699.59	4.54	4.70	0.00	-9.63	-11.53
			C103	-942.44	3.97	3.96	0.00	-9.63	-11.53
			C104	-1076.79	3.97	3.96	0.00	-9.63	-11.53
			C105	1467.82	5.88	4.00	0.00	-9.63	-11.53
			C106	1333.47	5.88	4.00	0.00	-9.63	-11.53
			C107	1386.15	4.98	3.51	0.00	-9.63	-11.53
			C108	1251.80	4.98	3.51	0.00	-9.63	-11.53
			C109	1612.31	4.79	4.83	0.00	-9.63	-11.53
			C110	1471.66	4.79	4.83	0.00	-9.63	-11.53
			C111	1495.13	4.10	4.01	0.00	-9.63	-11.53
			C112	1354.49	4.10	4.01	0.00	-9.63	-11.53
			C113	-1642.58	5.47	3.73	0.00	-9.63	-11.53
			C114	-1783.22	5.47	3.73	0.00	-9.63	-11.53
			C115	-1004.54	4.75	3.37	0.00	-9.63	-11.53
			C116	-1145.19	4.75	3.37	0.00	-9.63	-11.53
			C201	-2114.58	3.66	4.29	0.00	-8.15	-9.76
			C202	-2295.95	3.66	4.29	0.00	-8.15	-9.76
			C203	-1273.80	2.90	3.29	0.00	-8.15	-9.76
			C204	-1455.17	2.90	3.29	0.00	-8.15	-9.76
			C205	1980.06	5.48	3.35	0.00	-8.15	-9.76
			C206	1798.68	5.48	3.35	0.00	-8.15	-9.76
			C207	1869.80	4.26	2.69	0.00	-8.15	-9.76
			C208	1688.42	4.26	2.69	0.00	-8.15	-9.76
			C209	2175.11	4.00	4.46	0.00	-8.15	-9.76
			C210	1985.24	4.00	4.46	0.00	-8.15	-9.76
			C211	2016.93	3.07	3.36	0.00	-8.15	-9.76
			C212	1827.06	3.07	3.36	0.00	-8.15	-9.76
			C213	-2218.98	4.92	2.98	0.00	-8.15	-9.76
			C214	-2408.85	4.92	2.98	0.00	-8.15	-9.76
			C215	-1357.63	3.94	2.50	0.00	-8.15	-9.76
			C216	-1547.50	3.94	2.50	0.00	-8.15	-9.76
			C301	-2115.03	2.91	3.66	0.00	-6.66	-7.98
			C302	-2296.41	2.91	3.66	0.00	-6.66	-7.98
			C303	-1274.25	2.15	2.66	0.00	-6.66	-7.98
			C304	-1455.63	2.15	2.66	0.00	-6.66	-7.98
			C305	1979.60	4.73	2.72	0.00	-6.66	-7.98
			C306	1798.23	4.73	2.72	0.00	-6.66	-7.98
			C307	1869.34	3.51	2.06	0.00	-6.66	-7.98
			C308	1687.96	3.51	2.06	0.00	-6.66	-7.98
			C309	2174.65	3.25	3.83	0.00	-6.66	-7.98
			C310	1984.78	3.25	3.83	0.00	-6.66	-7.98
			C311	2016.47	2.32	2.73	0.00	-6.66	-7.98
			C312	1826.60	2.32	2.73	0.00	-6.66	-7.98
			C313	-2219.44	4.16	2.36	0.00	-6.66	-7.98
			C314	-2409.31	4.16	2.36	0.00	-6.66	-7.98
			C315	-1358.09	3.19	1.87	0.00	-6.66	-7.98
			C316	-1547.96	3.19	1.87	0.00	-6.66	-7.98
	SF05		C101	-1569.23	0.33	-0.62	0.00	0.00	0.00
			C102	-1703.58	0.33	-0.62	0.00	0.00	0.00
			C103	-945.32	0.89	0.12	0.00	0.00	0.00
			C104	-1079.68	0.89	0.12	0.00	0.00	0.00
			C105	1465.07	-0.97	0.08	0.00	0.00	0.00
			C106	1330.71	-0.97	0.08	0.00	0.00	0.00
			C107	1384.07	-0.07	0.57	0.00	0.00	0.00
			C108	1249.72	-0.07	0.57	0.00	0.00	0.00
			C109	1611.38	0.13	-0.71	0.00	0.00	0.00
			C110	1470.74	0.13	-0.71	0.00	0.00	0.00
			C111	1494.49	0.82	0.11	0.00	0.00	0.00
			C112	1353.85	0.82	0.11	0.00	0.00	0.00
			C113	-1648.20	-0.61	0.30	0.00	0.00	0.00
			C114	-1788.84	-0.61	0.30	0.00	0.00	0.00
			C115	-1008.72	0.11	0.67	0.00	0.00	0.00
			C116	-1149.37	0.11	0.67	0.00	0.00	0.00
			C201	-2118.46	0.44	-0.83	0.00	0.00	0.00
			C202	-2299.84	0.44	-0.83	0.00	0.00	0.00
			C203	-1276.18	1.20	0.16	0.00	0.00	0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C204	-1457.56	1.20	0.16	0.00	0.00	0.00
			C205	1977.84	-1.31	0.11	0.00	0.00	0.00
			C206	1796.46	-1.31	0.11	0.00	0.00	0.00
			C207	1868.50	-0.09	0.77	0.00	0.00	0.00
			C208	1687.12	-0.09	0.77	0.00	0.00	0.00
			C209	2175.37	0.17	-0.95	0.00	0.00	0.00
			C210	1985.50	0.17	-0.95	0.00	0.00	0.00
			C211	2017.56	1.11	0.15	0.00	0.00	0.00
			C212	1827.70	1.11	0.15	0.00	0.00	0.00
			C213	-2225.07	-0.82	0.41	0.00	0.00	0.00
			C214	-2414.94	-0.82	0.41	0.00	0.00	0.00
			C215	-1361.78	0.15	0.90	0.00	0.00	0.00
			C216	-1551.65	0.15	0.90	0.00	0.00	0.00
			C301	-2118.46	0.44	-0.83	0.00	0.00	0.00
			C302	-2299.84	0.44	-0.83	0.00	0.00	0.00
			C303	-1276.18	1.20	0.16	0.00	0.00	0.00
			C304	-1457.56	1.20	0.16	0.00	0.00	0.00
			C305	1977.84	-1.31	0.11	0.00	0.00	0.00
			C306	1796.46	-1.31	0.11	0.00	0.00	0.00
			C307	1868.50	-0.09	0.77	0.00	0.00	0.00
			C308	1687.12	-0.09	0.77	0.00	0.00	0.00
			C309	2175.37	0.17	-0.95	0.00	0.00	0.00
			C310	1985.50	0.17	-0.95	0.00	0.00	0.00
			C311	2017.56	1.11	0.15	0.00	0.00	0.00
			C312	1827.70	1.11	0.15	0.00	0.00	0.00
			C313	-2225.07	-0.82	0.41	0.00	0.00	0.00
			C314	-2414.94	-0.82	0.41	0.00	0.00	0.00
			C315	-1361.78	0.15	0.90	0.00	0.00	0.00
			C316	-1551.65	0.15	0.90	0.00	0.00	0.00
228-SF06	228	SF1	C101	971.75	4.77	4.89	-0.00	-9.63	-11.53
			C102	1064.11	4.77	4.89	-0.00	-9.63	-11.53
			C103	1053.21	4.13	4.09	-0.00	-9.63	-11.53
			C104	1145.56	4.13	4.09	-0.00	-9.63	-11.53
			C105	-1370.04	5.65	3.81	-0.00	-9.63	-11.53
			C106	-1277.69	5.65	3.81	-0.00	-9.63	-11.53
			C107	-741.50	4.82	3.38	-0.00	-9.63	-11.53
			C108	-649.15	4.82	3.38	-0.00	-9.63	-11.53
			C109	1825.17	5.61	3.85	-0.00	-9.63	-11.53
			C110	1648.40	5.61	3.85	-0.00	-9.63	-11.53
			C111	1747.48	4.68	3.32	-0.00	-9.63	-11.53
			C112	1570.71	4.68	3.32	-0.00	-9.63	-11.53
			C113	-1874.50	4.65	4.71	-0.00	-9.63	-11.53
			C114	-2051.27	4.65	4.71	-0.00	-9.63	-11.53
			C115	-1113.44	4.17	4.07	-0.00	-9.63	-11.53
			C116	-1290.22	4.17	4.07	-0.00	-9.63	-11.53
			C201	1310.37	3.98	4.55	-0.00	-8.15	-9.76
			C202	1435.04	3.98	4.55	-0.00	-8.15	-9.76
			C203	1420.33	3.11	3.47	-0.00	-8.15	-9.76
			C204	1545.01	3.11	3.47	-0.00	-8.15	-9.76
			C205	-1851.06	5.16	3.08	-0.00	-8.15	-9.76
			C206	-1726.39	5.16	3.08	-0.00	-8.15	-9.76
			C207	-1002.53	4.05	2.51	-0.00	-8.15	-9.76
			C208	-877.85	4.05	2.51	-0.00	-8.15	-9.76
			C209	2462.48	5.11	3.14	-0.00	-8.15	-9.76
			C210	2223.84	5.11	3.14	-0.00	-8.15	-9.76
			C211	2357.60	3.85	2.42	-0.00	-8.15	-9.76
			C212	2118.95	3.85	2.42	-0.00	-8.15	-9.76
			C213	-2532.07	3.81	4.30	-0.00	-8.15	-9.76
			C214	-2770.72	3.81	4.30	-0.00	-8.15	-9.76
			C215	-1504.64	3.16	3.43	-0.00	-8.15	-9.76
			C216	-1743.29	3.16	3.43	-0.00	-8.15	-9.76
			C301	1309.91	3.23	3.92	-0.00	-6.66	-7.98
			C302	1434.58	3.23	3.92	-0.00	-6.66	-7.98
			C303	1419.87	2.36	2.84	-0.00	-6.66	-7.98
			C304	1544.55	2.36	2.84	-0.00	-6.66	-7.98
			C305	-1851.52	4.41	2.46	-0.00	-6.66	-7.98
			C306	-1726.84	4.41	2.46	-0.00	-6.66	-7.98
			C307	-1002.99	3.30	1.88	-0.00	-6.66	-7.98
			C308	-878.31	3.30	1.88	-0.00	-6.66	-7.98
			C309	2462.03	4.35	2.51	-0.00	-6.66	-7.98
			C310	2223.38	4.35	2.51	-0.00	-6.66	-7.98
			C311	2357.14	3.10	1.79	-0.00	-6.66	-7.98
			C312	2118.49	3.10	1.79	-0.00	-6.66	-7.98
			C313	-2532.53	3.06	3.68	-0.00	-6.66	-7.98
			C314	-2771.18	3.06	3.68	-0.00	-6.66	-7.98
			C315	-1505.10	2.41	2.81	-0.00	-6.66	-7.98
			C316	-1743.75	2.41	2.81	-0.00	-6.66	-7.98
		SF06	C101	969.26	0.12	-0.79	-0.00	0.00	0.00
			C102	1061.61	0.12	-0.79	-0.00	0.00	0.00
			C103	1051.40	0.76	0.01	-0.00	0.00	0.00
			C104	1143.75	0.76	0.01	-0.00	0.00	0.00
			C105	-1374.30	-0.77	0.25	-0.00	0.00	0.00
			C106	-1281.94	-0.77	0.25	-0.00	0.00	0.00
			C107	-744.65	0.06	0.68	-0.00	0.00	0.00
			C108	-652.29	0.06	0.68	-0.00	0.00	0.00
			C109	1824.25	-0.67	0.25	-0.00	0.00	0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C110	1647.48	-0.67	0.25	-0.00	0.00	0.00
			C111	1746.84	0.26	0.79	-0.00	0.00	0.00
			C112	1570.07	0.26	0.79	-0.00	0.00	0.00
			C113	-1880.12	0.19	-0.65	-0.00	0.00	0.00
			C114	-2056.90	0.19	-0.65	-0.00	0.00	0.00
			C115	-1117.62	0.67	-0.01	-0.00	0.00	0.00
			C116	-1294.40	0.67	-0.01	-0.00	0.00	0.00
			C201	1308.50	0.16	-1.07	-0.00	0.00	0.00
			C202	1433.18	0.16	-1.07	-0.00	0.00	0.00
			C203	1419.39	1.03	0.02	-0.00	0.00	0.00
			C204	1544.06	1.03	0.02	-0.00	0.00	0.00
			C205	-1855.30	-1.03	0.34	-0.00	0.00	0.00
			C206	-1730.62	-1.03	0.34	-0.00	0.00	0.00
			C207	-1005.27	0.08	0.91	-0.00	0.00	0.00
			C208	-880.60	0.08	0.91	-0.00	0.00	0.00
			C209	2462.74	-0.91	0.34	-0.00	0.00	0.00
			C210	2224.09	-0.91	0.34	-0.00	0.00	0.00
			C211	2358.24	0.35	1.06	-0.00	0.00	0.00
			C212	2119.59	0.35	1.06	-0.00	0.00	0.00
			C213	-2538.16	0.26	-0.88	-0.00	0.00	0.00
			C214	-2776.81	0.26	-0.88	-0.00	0.00	0.00
			C215	-1508.79	0.91	-0.01	-0.00	0.00	0.00
			C216	-1747.44	0.91	-0.01	-0.00	0.00	0.00
			C301	1308.50	0.16	-1.07	-0.00	0.00	0.00
			C302	1433.18	0.16	-1.07	-0.00	0.00	0.00
			C303	1419.39	1.03	0.02	-0.00	0.00	0.00
			C304	1544.06	1.03	0.02	-0.00	0.00	0.00
			C305	-1855.30	-1.03	0.34	-0.00	0.00	0.00
			C306	-1730.62	-1.03	0.34	-0.00	0.00	0.00
			C307	-1005.27	0.08	0.91	-0.00	0.00	0.00
			C308	-880.60	0.08	0.91	-0.00	0.00	0.00
			C309	2462.74	-0.91	0.34	-0.00	0.00	0.00
			C310	2224.09	-0.91	0.34	-0.00	0.00	0.00
			C311	2358.24	0.35	1.06	-0.00	0.00	0.00
			C312	2119.59	0.35	1.06	-0.00	0.00	0.00
			C313	-2538.16	0.26	-0.88	-0.00	0.00	0.00
			C314	-2776.81	0.26	-0.88	-0.00	0.00	0.00
			C315	-1508.79	0.91	-0.01	-0.00	0.00	0.00
			C316	-1747.44	0.91	-0.01	-0.00	0.00	0.00
313-SF01	313	SF1	C101	-1562.27	0.70	6.49	-0.00	-15.02	-0.00
			C102	-1698.03	0.70	6.49	-0.00	-15.02	-0.00
			C103	-957.48	0.49	5.59	-0.00	-15.02	-0.00
			C104	-1093.24	0.49	5.59	-0.00	-15.02	-0.00
			C105	1482.25	-0.70	7.08	-0.00	-15.02	-0.00
			C106	1346.50	-0.70	7.08	-0.00	-15.02	-0.00
			C107	1382.18	-0.49	6.07	-0.00	-15.02	-0.00
			C108	1246.43	-0.49	6.07	-0.00	-15.02	-0.00
			C109	-1759.59	-0.64	6.50	-0.00	-15.02	-0.00
			C110	-1618.30	-0.64	6.50	-0.00	-15.02	-0.00
			C111	-1138.64	-0.45	5.72	-0.00	-15.02	-0.00
			C112	-997.36	-0.45	5.72	-0.00	-15.02	-0.00
			C113	1459.31	0.64	6.86	-0.00	-15.02	-0.00
			C114	1600.60	0.64	6.86	-0.00	-15.02	-0.00
			C115	1324.18	0.45	5.80	-0.00	-15.02	-0.00
			C116	1465.47	0.45	5.80	-0.00	-15.02	-0.00
			C201	-2110.57	0.94	5.56	-0.00	-12.71	-0.00
			C202	-2293.84	0.94	5.56	-0.00	-12.71	-0.00
			C203	-1294.11	0.67	4.34	-0.00	-12.71	-0.00
			C204	-1477.37	0.67	4.34	-0.00	-12.71	-0.00
			C205	1999.54	-0.94	6.35	-0.00	-12.71	-0.00
			C206	1816.27	-0.94	6.35	-0.00	-12.71	-0.00
			C207	1864.44	-0.67	4.99	-0.00	-12.71	-0.00
			C208	1681.17	-0.67	4.99	-0.00	-12.71	-0.00
			C209	-2376.95	-0.86	5.57	-0.00	-12.71	-0.00
			C210	-2186.21	-0.86	5.57	-0.00	-12.71	-0.00
			C211	-1538.67	-0.61	4.51	-0.00	-12.71	-0.00
			C212	-1347.93	-0.61	4.51	-0.00	-12.71	-0.00
			C213	1968.56	0.86	6.05	-0.00	-12.71	-0.00
			C214	2159.30	0.86	6.05	-0.00	-12.71	-0.00
			C215	1786.14	0.61	4.62	-0.00	-12.71	-0.00
			C216	1976.88	0.61	4.62	-0.00	-12.71	-0.00
			C301	-2111.03	0.94	4.58	-0.00	-10.40	-0.00
			C302	-2294.30	0.94	4.58	-0.00	-10.40	-0.00
			C303	-1294.56	0.67	3.36	-0.00	-10.40	-0.00
			C304	-1477.83	0.67	3.36	-0.00	-10.40	-0.00
			C305	1999.08	-0.94	5.37	-0.00	-10.40	-0.00
			C306	1815.81	-0.94	5.37	-0.00	-10.40	-0.00
			C307	1863.98	-0.67	4.01	-0.00	-10.40	-0.00
			C308	1680.71	-0.67	4.01	-0.00	-10.40	-0.00
			C309	-2377.40	-0.86	4.59	-0.00	-10.40	-0.00
			C310	-2186.66	-0.86	4.59	-0.00	-10.40	-0.00
			C311	-1539.13	-0.61	3.53	-0.00	-10.40	-0.00
			C312	-1348.39	-0.61	3.53	-0.00	-10.40	-0.00
			C313	1968.11	0.86	5.07	-0.00	-10.40	-0.00
			C314	2158.84	0.86	5.07	-0.00	-10.40	-0.00
			C315	1785.68	0.61	3.64	-0.00	-10.40	-0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C316	1976.42	0.61	3.64	-0.00	-10.40	-0.00
	SF01	C101	-1566.26	-0.68	-0.15	-0.00	-0.00	-0.00
		C102	-1702.02	-0.68	-0.15	-0.00	-0.00	-0.00
		C103	-960.36	-0.48	0.76	-0.00	-0.00	-0.00
		C104	-1096.12	-0.48	0.76	-0.00	-0.00	-0.00
		C105	1479.49	0.68	-0.69	-0.00	-0.00	-0.00
		C106	1343.74	0.68	-0.69	-0.00	-0.00	-0.00
		C107	1380.10	0.48	0.31	-0.00	-0.00	-0.00
		C108	1244.35	0.48	0.31	-0.00	-0.00	-0.00
		C109	-1765.13	0.62	-0.19	-0.00	-0.00	-0.00
		C110	-1623.84	0.62	-0.19	-0.00	-0.00	-0.00
		C111	-1142.75	0.44	0.60	-0.00	-0.00	-0.00
		C112	-1001.46	0.44	0.60	-0.00	-0.00	-0.00
		C113	1458.31	-0.62	-0.44	-0.00	-0.00	-0.00
		C114	1599.59	-0.62	-0.44	-0.00	-0.00	-0.00
		C115	1323.46	-0.44	0.62	-0.00	-0.00	-0.00
		C116	1464.75	-0.44	0.62	-0.00	-0.00	-0.00
		C201	-2114.45	-0.92	-0.20	-0.00	-0.00	-0.00
		C202	-2297.72	-0.92	-0.20	-0.00	-0.00	-0.00
		C203	-1296.49	-0.65	1.03	-0.00	-0.00	-0.00
		C204	-1479.76	-0.65	1.03	-0.00	-0.00	-0.00
		C205	1997.32	0.92	-0.94	-0.00	-0.00	-0.00
		C206	1814.05	0.92	-0.94	-0.00	-0.00	-0.00
		C207	1863.14	0.65	0.42	-0.00	-0.00	-0.00
		C208	1679.87	0.65	0.42	-0.00	-0.00	-0.00
		C209	-2382.93	0.84	-0.25	-0.00	-0.00	-0.00
		C210	-2192.19	0.84	-0.25	-0.00	-0.00	-0.00
		C211	-1542.71	0.59	0.81	-0.00	-0.00	-0.00
		C212	-1351.97	0.59	0.81	-0.00	-0.00	-0.00
		C213	1968.71	-0.84	-0.59	-0.00	-0.00	-0.00
		C214	2159.45	-0.84	-0.59	-0.00	-0.00	-0.00
		C215	1786.67	-0.59	0.83	-0.00	-0.00	-0.00
		C216	1977.41	-0.59	0.83	-0.00	-0.00	-0.00
		C301	-2114.45	-0.92	-0.20	-0.00	-0.00	-0.00
		C302	-2297.72	-0.92	-0.20	-0.00	-0.00	-0.00
		C303	-1296.49	-0.65	1.03	-0.00	-0.00	-0.00
		C304	-1479.76	-0.65	1.03	-0.00	-0.00	-0.00
		C305	1997.32	0.92	-0.94	-0.00	-0.00	-0.00
		C306	1814.05	0.92	-0.94	-0.00	-0.00	-0.00
		C307	1863.14	0.65	0.42	-0.00	-0.00	-0.00
		C308	1679.87	0.65	0.42	-0.00	-0.00	-0.00
		C309	-2382.93	0.84	-0.25	-0.00	-0.00	-0.00
		C310	-2192.19	0.84	-0.25	-0.00	-0.00	-0.00
		C311	-1542.71	0.59	0.81	-0.00	-0.00	-0.00
		C312	-1351.97	0.59	0.81	-0.00	-0.00	-0.00
		C313	1968.71	-0.84	-0.59	-0.00	-0.00	-0.00
		C314	2159.45	-0.84	-0.59	-0.00	-0.00	-0.00
		C315	1786.67	-0.59	0.83	-0.00	-0.00	-0.00
		C316	1977.41	-0.59	0.83	-0.00	-0.00	-0.00
313-SF02	313 SF1	C101	967.58	0.70	6.80	0.00	-15.02	0.00
		C102	1087.10	0.70	6.80	0.00	-15.02	0.00
		C103	1064.43	0.49	5.79	0.00	-15.02	0.00
		C104	1183.95	0.49	5.79	0.00	-15.02	0.00
		C105	-1407.51	-0.70	6.78	0.00	-15.02	0.00
		C106	-1287.99	-0.70	6.78	0.00	-15.02	0.00
		C107	-761.42	-0.49	5.87	0.00	-15.02	0.00
		C108	-641.90	-0.49	5.87	0.00	-15.02	0.00
		C109	-2037.31	0.64	6.50	0.00	-15.02	0.00
		C110	-1860.37	0.64	6.50	0.00	-15.02	0.00
		C111	-1259.29	0.45	5.72	0.00	-15.02	0.00
		C112	-1082.35	0.45	5.72	0.00	-15.02	0.00
		C113	1623.54	-0.64	6.86	0.00	-15.02	0.00
		C114	1800.48	-0.64	6.86	0.00	-15.02	0.00
		C115	1560.58	-0.45	5.80	0.00	-15.02	0.00
		C116	1737.52	-0.45	5.80	0.00	-15.02	0.00
		C201	1304.73	0.94	5.97	0.00	-12.71	0.00
		C202	1466.09	0.94	5.97	0.00	-12.71	0.00
		C203	1435.47	0.67	4.61	0.00	-12.71	0.00
		C204	1596.83	0.67	4.61	0.00	-12.71	0.00
		C205	-1901.64	-0.94	5.94	0.00	-12.71	0.00
		C206	-1740.29	-0.94	5.94	0.00	-12.71	0.00
		C207	-1029.42	-0.67	4.72	0.00	-12.71	0.00
		C208	-868.06	-0.67	4.72	0.00	-12.71	0.00
		C209	-2751.86	0.86	5.57	0.00	-12.71	0.00
		C210	-2512.99	0.86	5.57	0.00	-12.71	0.00
		C211	-1701.55	0.61	4.51	0.00	-12.71	0.00
		C212	-1462.68	0.61	4.51	0.00	-12.71	0.00
		C213	2190.27	-0.86	6.05	0.00	-12.71	0.00
		C214	2429.14	-0.86	6.05	0.00	-12.71	0.00
		C215	2105.28	-0.61	4.62	0.00	-12.71	0.00
		C216	2344.15	-0.61	4.62	0.00	-12.71	0.00
		C301	1304.28	0.94	4.99	0.00	-10.40	0.00
		C302	1465.63	0.94	4.99	0.00	-10.40	0.00
		C303	1435.01	0.67	3.63	0.00	-10.40	0.00
		C304	1596.37	0.67	3.63	0.00	-10.40	0.00
		C305	-1902.10	-0.94	4.96	0.00	-10.40	0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C306	-1740.74	-0.94	4.96	0.00	-10.40	0.00
	C307	-1029.88	-0.67	3.74	0.00	-10.40	0.00
	C308	-868.52	-0.67	3.74	0.00	-10.40	0.00
	C309	-2752.32	0.86	4.59	0.00	-10.40	0.00
	C310	-2513.45	0.86	4.59	0.00	-10.40	0.00
	C311	-1702.00	0.61	3.53	0.00	-10.40	0.00
	C312	-1463.13	0.61	3.53	0.00	-10.40	0.00
	C313	2189.81	-0.86	5.07	0.00	-10.40	0.00
	C314	2428.68	-0.86	5.07	0.00	-10.40	0.00
	C315	2104.82	-0.61	3.64	0.00	-10.40	0.00
	C316	2343.69	-0.61	3.64	0.00	-10.40	0.00
SF02	C101	965.09	-0.68	-0.41	0.00	-0.00	0.00
	C102	1084.61	-0.68	-0.41	0.00	-0.00	0.00
	C103	1062.61	-0.48	0.59	0.00	-0.00	0.00
	C104	1182.14	-0.48	0.59	0.00	-0.00	0.00
	C105	-1411.76	0.68	-0.43	0.00	-0.00	0.00
	C106	-1292.24	0.68	-0.43	0.00	-0.00	0.00
	C107	-764.56	0.48	0.48	0.00	-0.00	0.00
	C108	-645.04	0.48	0.48	0.00	-0.00	0.00
	C109	-2042.85	-0.62	-0.19	0.00	-0.00	0.00
	C110	-1865.91	-0.62	-0.19	0.00	-0.00	0.00
	C111	-1263.39	-0.44	0.60	0.00	-0.00	0.00
	C112	-1086.45	-0.44	0.60	0.00	-0.00	0.00
	C113	1622.54	0.62	-0.44	0.00	-0.00	0.00
	C114	1799.48	0.62	-0.44	0.00	-0.00	0.00
	C115	1559.86	0.44	0.62	0.00	-0.00	0.00
	C116	1736.80	0.44	0.62	0.00	-0.00	0.00
	C201	1302.87	-0.92	-0.56	0.00	-0.00	0.00
	C202	1464.22	-0.92	-0.56	0.00	-0.00	0.00
	C203	1434.53	-0.65	0.80	0.00	-0.00	0.00
	C204	1595.88	-0.65	0.80	0.00	-0.00	0.00
	C205	-1905.88	0.92	-0.58	0.00	-0.00	0.00
	C206	-1744.52	0.92	-0.58	0.00	-0.00	0.00
	C207	-1032.16	0.65	0.65	0.00	-0.00	0.00
	C208	-870.81	0.65	0.65	0.00	-0.00	0.00
	C209	-2757.85	-0.84	-0.25	0.00	-0.00	0.00
	C210	-2518.98	-0.84	-0.25	0.00	-0.00	0.00
	C211	-1705.58	-0.59	0.81	0.00	-0.00	0.00
	C212	-1466.71	-0.59	0.81	0.00	-0.00	0.00
	C213	2190.42	0.84	-0.59	0.00	-0.00	0.00
	C214	2429.29	0.84	-0.59	0.00	-0.00	0.00
	C215	2105.81	0.59	0.83	0.00	-0.00	0.00
	C216	2344.68	0.59	0.83	0.00	-0.00	0.00
	C301	1302.87	-0.92	-0.56	0.00	-0.00	0.00
	C302	1464.22	-0.92	-0.56	0.00	-0.00	0.00
	C303	1434.53	-0.65	0.80	0.00	-0.00	0.00
	C304	1595.88	-0.65	0.80	0.00	-0.00	0.00
	C305	-1905.88	0.92	-0.58	0.00	-0.00	0.00
	C306	-1744.52	0.92	-0.58	0.00	-0.00	0.00
	C307	-1032.16	0.65	0.65	0.00	-0.00	0.00
	C308	-870.81	0.65	0.65	0.00	-0.00	0.00
	C309	-2757.85	-0.84	-0.25	0.00	-0.00	0.00
	C310	-2518.98	-0.84	-0.25	0.00	-0.00	0.00
	C311	-1705.58	-0.59	0.81	0.00	-0.00	0.00
	C312	-1466.71	-0.59	0.81	0.00	-0.00	0.00
	C313	2190.42	0.84	-0.59	0.00	-0.00	0.00
	C314	2429.29	0.84	-0.59	0.00	-0.00	0.00
	C315	2105.81	0.59	0.83	0.00	-0.00	0.00
	C316	2344.68	0.59	0.83	0.00	-0.00	0.00

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

11.2 STRUCTURAL CHECKS

The results of the performed analysis in terms of structural elements' Unity Check (UC) are detailed in the following. Structural checks of BLPH Topside structural elements are not covered by present document and detailed in a separate dedicated report, ref./31/.

All members were checked according to ISO 19902 and Eurocode 3, Ref./6/and /8/, respectively for tubular and non-tubular elements. Members' code checks are reported in the following and show that the structure can withstand Transportation load combinations, with utilization factors below 1.0.

The maximum UC value is equal to 0.91 on member 147-151 for load combination C205. Maximum member UC are reported in following SACS excerpt and figures.

Maximum UCs per member's group are reported in following SACS excerpt.

SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP II - UNITY CHECKS GREATER THAN 0.70 AND LESS THAN 0.90

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS N/MM2	BENDING STRESS Y N/MM2	BENDING STRESS Z N/MM2	SHEAR FORCE FY KN	SHEAR FORCE FZ KN	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
11- 14	GR1	0.884	C205	1.5	5.08	222.40	-119.98	-150.34	1302.95	12.2	23.2	0.846	C206	0.827	C305
14- 16	GR1	0.871	C205	0.9	6.19	225.50	-110.36	1.16	36.93	12.2	13.5	0.836	C206	0.814	C305
16- 12	GR1	0.876	C205	0.0	4.45	226.84	-111.36	127.62	-1335.99	12.2	23.2	0.840	C206	0.818	C305
007- 011	GR1	0.823	C202	1.5	5.37	198.98	121.32	149.21	1160.93	12.2	23.2	0.785	C201	0.762	C302
011- 013	GR1	0.804	C202	0.9	6.27	200.79	110.89	-1.93	22.94	12.2	13.5	0.768	C201	0.743	C102
013- 008	GR1	0.808	C202	0.0	4.62	202.06	111.72	-124.66	-1187.95	12.2	23.2	0.773	C201	0.747	C302
151- 153	GR1	0.895	C205	0.9	6.84	230.23	114.47	-0.69	38.60	12.2	13.5	0.862	C206	0.834	C305
153- 148	GR1	0.899	C205	0.0	5.06	231.60	115.29	-127.85	-1360.30	12.2	23.2	0.866	C206	0.838	C305
191- 194	GR1	0.798	C202	1.5	4.67	193.67	-117.64	-147.74	1133.99	12.2	23.2	0.764	C201	0.740	C302
194- 196	GR1	0.780	C202	0.9	5.56	195.54	-107.54	1.90	23.40	12.2	13.5	0.747	C201	0.722	C302
196- 192	GR1	0.785	C202	0.0	3.96	196.77	-108.38	124.38	-1160.72	12.2	23.2	0.752	C201	0.727	C302
19- 22	GR2	0.856	C205	1.5	-3.46	220.26	-108.82	-71.39	1316.37	12.2	23.2	0.819	C206	0.801	C305
22- 24	GR2	0.733	C205	0.0	-3.01	216.47	-58.85	32.07	44.65	12.2	13.5	0.704	C206	0.680	C105
24- 20	GR2	0.799	C205	0.0	-4.17	230.70	-66.37	44.28	-1386.01	12.2	23.2	0.769	C206	0.741	C305
107- 111	GR2	0.796	C202	1.5	-2.99	197.05	111.67	73.04	1176.70	12.2	23.2	0.758	C201	0.738	C302
113- 108	GR2	0.729	C202	0.0	-3.80	205.35	67.39	-44.72	-1235.24	12.2	23.2	0.699	C201	0.685	C102
155- 159	GR2	0.879	C205	1.5	-3.52	224.63	113.56	74.26	1342.45	12.2	23.2	0.844	C206	0.821	C305
157- 160	GR2	0.710	C205	1.6	-3.48	177.61	97.63	65.90	1069.72	12.2	23.2	0.688	C206	0.659	C105
159- 161	GR2	0.750	C205	0.0	-3.05	220.83	61.15	-33.52	46.39	12.2	13.5	0.724	C206	0.696	C105
161- 156	GR2	0.816	C205	0.0	-4.26	235.49	68.02	-45.01	-1414.82	12.2	23.2	0.788	C206	0.756	C305
199- 202	GR2	0.774	C202	1.5	-2.93	191.88	-108.17	-71.09	1145.96	12.2	23.2	0.740	C201	0.718	C302
204- 200	GR2	0.710	C202	0.0	-3.70	200.12	-65.54	43.84	-1203.67	12.2	23.2	0.682	C201	0.666	C102
36- 38	GR3	0.743	C205	0.8	29.95	158.37	103.73	117.38	827.02	8.2	12.7	0.719	C209	0.714	C206
38- 40	GR3	0.892	C205	0.0	71.86	137.45	-142.83	217.76	-515.93	8.2	12.7	0.855	C206	0.840	C305
176- 178	GR3	0.756	C205	0.0	30.95	161.54	104.37	-117.52	-841.31	8.2	12.7	0.747	C214	0.730	C206
226- 228	GR3	0.773	C214	0.8	53.02	145.42	-100.49	-213.28	637.38	8.2	12.7	0.735	C213	0.720	C314

228- 230 GR3	0.787	C202	0.0	64.01	114.51	-134.53	199.55	-412.37	8.2	12.7	0.751	C201	0.735	C302
311- 313 GR3	0.800	C202	0.8	65.34	117.63	-134.61	-199.55	425.43	8.2	12.7	0.763	C201	0.746	C302
313- 315 GR3	0.773	C209	0.0	53.29	145.77	-99.68	211.76	-638.10	8.2	12.7	0.736	C210	0.719	C309
38-SF03 SF1	0.786	C209	0.0	-206.44	-13.67	0.00	-0.86	5.57	42.9	42.9	0.780	C309	0.732	C210
38-SF04 SF1	0.779	C205	0.0	-204.53	-13.67	0.00	-0.94	6.40	42.9	42.9	0.773	C305	0.726	C209
176-SF07 SF1	0.803	C214	0.0	-211.02	-8.76	-10.50	4.92	2.98	42.9	42.9	0.797	C314	0.749	C213
176-SF08 SF1	0.787	C205	0.0	-206.84	-8.76	-10.50	5.52	3.38	42.9	42.9	0.781	C305	0.746	C214
228-SF05 SF1	0.740	C214	0.0	-194.01	-8.76	-10.50	4.92	2.98	42.9	42.9	0.734	C314	0.706	C202
228-SF06 SF1	0.847	C214	0.0	-223.15	-8.76	-10.50	3.81	4.30	42.9	42.9	0.841	C314	0.776	C213
313-SF01 SF1	0.730	C209	0.0	-191.44	-13.67	0.00	-0.86	5.57	42.9	42.9	0.725	C309	0.706	C202
313-SF02 SF1	0.842	C209	0.0	-221.63	-13.67	0.00	0.86	5.57	42.9	42.9	0.836	C309	0.771	C210
147- 151 GR1	0.908	C205	1.5	5.71	226.98	124.20	153.85	1326.27	12.2	23.2	0.873	C206	0.847	C305
174- 176 GR3	0.907	C205	0.8	73.16	140.49	-143.96	-220.15	528.68	8.2	12.7	0.871	C206	0.853	C305

* * * MEMBER GROUP SUMMARY * * *
ISO 19902:2020 / EC3:2005

GRUP ID	CRITICAL MEMBER	LOAD COND	MAX. UNITY CHECK	DIST FROM END M	* APPLIED STRESSES * AXIAL N/MM2	BEND-Y N/MM2	BEND-Z N/MM2	*** ALLOWABLE STRESSES *** AXIAL N/MM2	EULER N/MM2	BEND-Y N/MM2	BEND-Z N/MM2	CRIT COND	EFFECTIVE LENGTHS KLY M	KLZ M	CM * VALUES * Y	Z
GR1	147- 151	C205	0.91	1.5	5.7	227.0	124.2	322.7	3755.0	357.7	500.7	BN+AX	4.00	1.55	0.00	0.00
GR2	155- 159	C205	0.88	1.5	-3.5	224.6	113.6	322.7	3755.0	357.7	500.7	BN+AX	4.00	1.55	0.59	0.59
GR3	174- 176	C205	0.91	0.8	73.2	140.5	-144.0	.3E+03	.1E+05	.4E+03	.5E+03	BN+AX	2.70	0.85	0.00	0.00
SF1	228-SF06	C214	0.85	0.0	-223.2	-8.8	-10.5	273.9	1101.8	447.5	447.5	ACBI	4.72	4.72	0.85	0.85

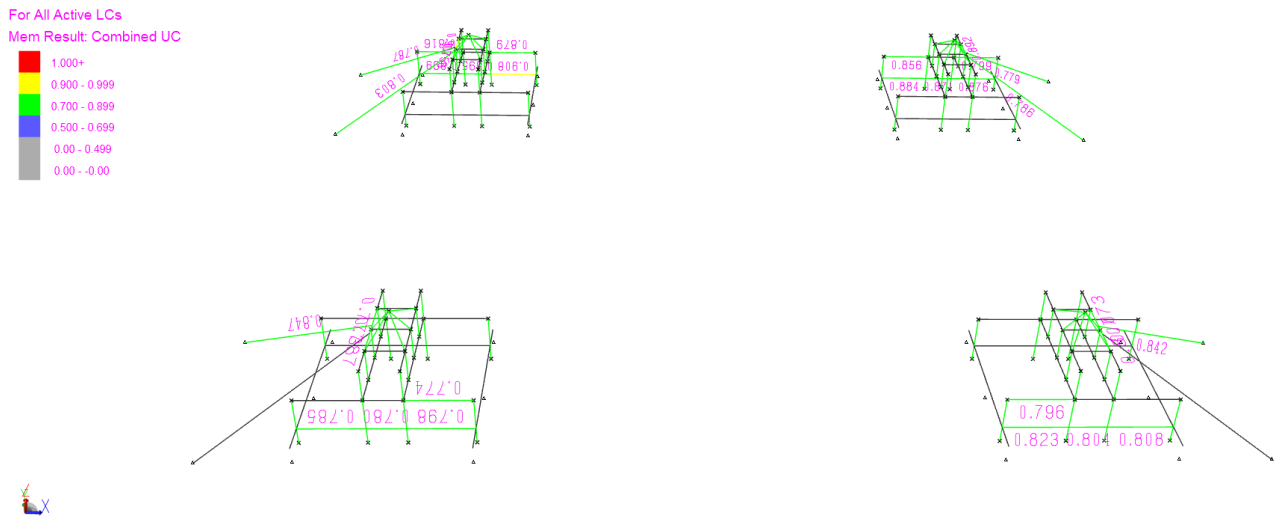


Figure 11.1 -Topside – Member UC > 0.75 – 3D View

11.3 LOCAL CHECKS

Starting from the maximum loads resulting from the transportation analysis, ref./31/, and summarized in the previous section, the local checks of Grillage and Sea Fastenings are performed in the following sections, according to ISO 19902 and Eurocode 3, Ref./6/and /8/.

11.3.1 Grillage

Referring to plans presented in , detail drawings are presented in the following figure (Ref. /28/).

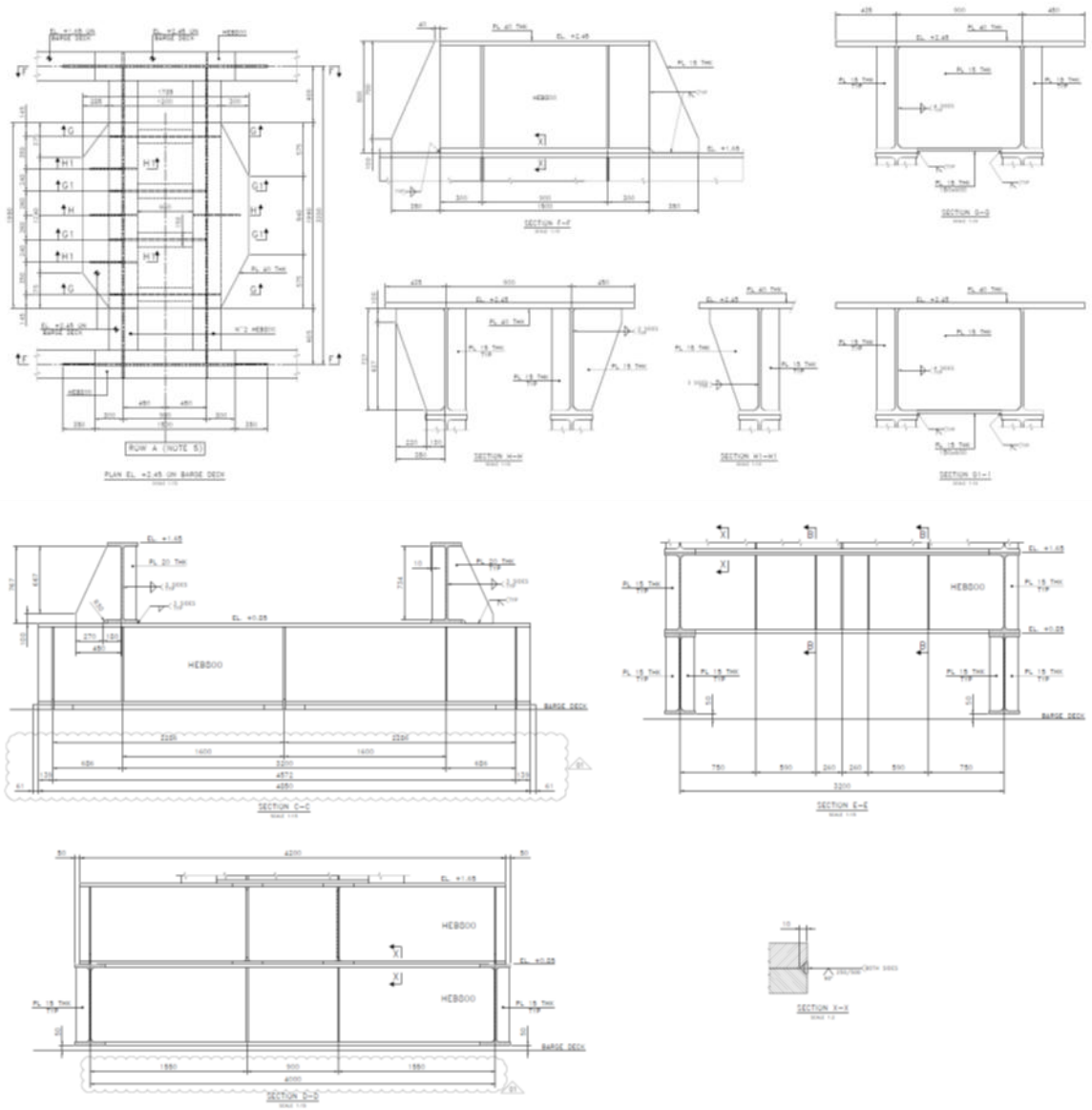


Figure 11.2 - Topside – Grillage Details

Local checks are performed in the following tables using max loads for every connection and ULS loads compared to allowable ones.

Tables 11.6 and 11.7 check the connections between the grillages levels against the loads presented in section 11.1.2, while Tables 11.8 and 11.9 check the connection with barge deck against the loads shown in sectipon 11.1.1.

2. 2nd ORDER BEAMS																		
Rz = Fx =	1423	kN								**2.3 - WING PLATE CHECK LOWER GRILLAGE**								
Vy =	290	kN								Fy	345	MPa	Plate yield strength					
Vz =	142	kN								H	800	mm	Section depth					
										tf	0	mm	Flange thickness					
										B	0	mm	Flange width					
2.1 - 2nd ORDER SUPPORT BEARING CHECK										tw	15	mm	Web thickness					
Fy	345	MPa	Yield strength							W	1.600E+06	mm^3	Section modulus					
L	300	mm	Bearing plate lenght (web direction)							Av	12000	mm^2	Shear area					
tw	15	mm	Web thickness															
B	270	mm	Bearing plate width							F = Rz =	1423	kN	Vertical force					
ts	15	mm	Support beam web thickness							L	270	mm	Wing plates total width					
Ap = L x tw + B x ts =	8550	mm^2	Bearing area							p = R / L =	5270	kN/m	Distributed load acting on wing plate					
										Lw	210	mm	Critical section coordinate					
F = Fz =	1423	kN	Vertical force							M = p x Lw^2 / 2 =	116	kNm	Bending moment					
fp = F / Ap =	166	MPa	< 1.35 x Fy =	465.75	MPa	(UC =	0.36	)		V = p x Lw	1107	kN	Shear force					
										γm0 =	1.10							
2.2 - 2nd ORDER SUPPORT BUCKLING CHECK										fb = M / W =	73	MPa	< Fy/γm0 =	314	MPa	(UC =	0.23	)
Fy	345	MPa	Yield strength							fv = V / Av =	92	MPa	< Fy/√3 γm0=	181.078	MPa	(UC =	0.51	)
tw	15	mm	Web thickness															
L	300	mm	Web effective lenght							Weld								
ts	15	mm	Support beam web thickness							Fy	345	MPa	Plate yield strength					
B = 25 x ts =	375	mm	Bearing plate width							A = 270*20	5400	mm^2	Weld area					
A = L x tw + B x ts =	10125	mm^2	Bearing area															
										V =	290	kN						
N = Fz =	1423	kN	Compressive force							γm2 =	1.25							
λl =	77		Proportionality slenderness							σ = N/A =	205	MPa	< Fy/γm2 =	276	MPa	(UC =	0.74	)
k	0.75		Effective length factor							τ = V/A =	53.7	MPa	< Fy/√3 γm2=	159	MPa	(UC =	0.34	)
l	800	mm	Member length															
r	80.7	mm	Minimum section radius							Fa = Fy/ γm2 =	276	MPa	Allowable stress					
k x l / r =	7		Slenderness ratio															
λ =	0.10		Relative slenderness							σvm = ($σ^2$ + 3$τ^2$)^0.5 =	225	MPa	< Fa =	276	MPa	(UC =	0.82	)
α =	0.49		Stability curve															
Φ =	0.48									**2.4 LATERAL WELD**								
χ =	1.00									Fy	345	MPa	Plate yield strength					
γm1 =	1.10									A = 2X B x tf x 0.7 =	13860	mm^2	Weld area					
Fa = χ*fy/γm1 =	314	MPa	Allowable compressive strength							V =	142	kN						
										γm2 =	1.25							
fa = N / A =	141	MPa	< Fa =	314	MPa	(UC =	0.45	)										
										τ = V/A =	10.2	MPa	< Fy/√3 γm2=	159	MPa	(UC =	0.06	)

Table 11.5 – Grillage 2nd layer check

3. 3rd ORDER BEAMS																		
Rz =	1423	kN								**3.3 - WING PLATE CHECK LOWER GRILLAGE**								
Vx =	142	kN								Fy	345	MPa	Plate yield strength					
Vy =	290	kN								H	800	mm	Section depth					
										tf	0	mm	Flange thickness					
										B	0	mm	Flange width					
3.1 - 3rd ORDER SUPPORT BEARING CHECK										tw	20	mm	Web thickness					
Fy	345	MPa	Yield strength							W	2.133E+06	mm^3	Section modulus					
L	300	mm	Bearing plate lenght (web direction)							Av	16000	mm^2	Shear area					
tw	20	mm	Web thickness															
B	300	mm	Bearing plate width							F = Rz =	1423	kN	Vertical force					
ts	15	mm	Support beam web thickness							L	350	mm	Wing plates total width					
Ap = L x tw + B x ts =	10500	mm^2	Bearing area							p = R / L =	4066	kN/m	Distributed load acting on wing plate					
										Lw	310	mm	Critical section coordinate					
F = Fz =	1423	kN	Vertical force							M = p x Lw^2 / 2 =	195	kNm	Bending moment					
fp = F / Ap =	136	MPa	< 1.35 x Fy =	465.75	MPa	(UC =	0.29	)		V = p x Lw	1260	kN	Shear force					
										γm0 =	1.10							
3.2 - 3rd ORDER SUPPORT BUCKLING CHECK										fb = M / W =	92	MPa	< Fy/γm0 =	314	MPa	(UC =	0.29	)
Fy	345	MPa	Yield strength							fv = V / Av =	79	MPa	< Fy/√3 γm0=	181.078	MPa	(UC =	0.44	)
tw	20	mm	Web thickness															
L	300	mm	Web effective lenght							Weld								
ts	15	mm	Support beam web thickness							Fy	345	MPa	Plate yield strength					
B = 25 x ts =	375	mm	Bearing plate width							A = 300*14*2*0.7	5880	mm^2	Weld area					
A = L x tw + B x ts =	11625	mm^2	Bearing area															
										V =	142	kN						
N = Fz =	1423	kN	Compressive force							γm2 =	1.25							
λl =	77		Proportionality slenderness							σ = N/A =	214	MPa	< Fy/γm2 =	276	MPa	(UC =	0.78	)
k	0.75		Effective length factor							τ = V/A =	24.1	MPa	< Fy/√3 γm2=	159	MPa	(UC =	0.15	)
l	800	mm	Member length															
r	75.4	mm	Minimum section radius							Fa = Fy/ γm2 =	276	MPa	Allowable stress					
k x l / r =	8		Slenderness ratio															
λ =	0.10		Relative slenderness							σvM = (σ^2 + 3τ^2)^0.5 =	218	MPa	< Fa =	276	MPa	(UC =	0.79	)
α =	0.49		Stability curve															
Φ =	0.48									**2.4 LATERAL WELD**								
χ =	1.00									Fy	345	MPa	Plate yield strength					
γm1 =	1.10									A = 2 x 400 x 14 x 0.7 =	7840	mm^2	Weld area					
Fa = χ*fy/γm1 =	314	MPa	Allowable compressive strength							V =	290	kN						
										γm2 =	1.25							
fa = N / A =	122	MPa	< Fa =	314	MPa	(UC =	0.39	)										
										τ = V/A =	37.0	MPa	< Fy/√3 γm2=	159	MPa	(UC =	0.23	)

Table 11.6 – Grillage 3rd layer check

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

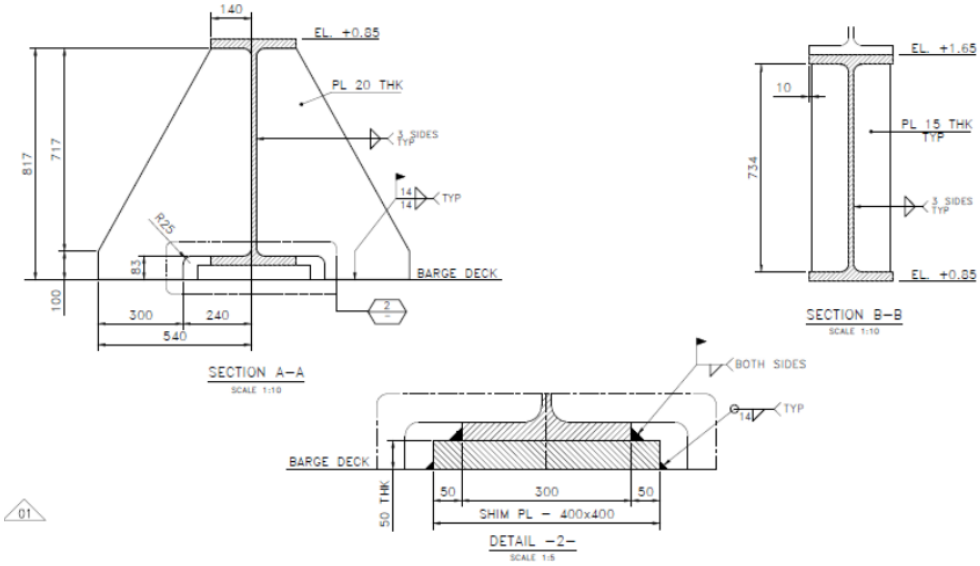


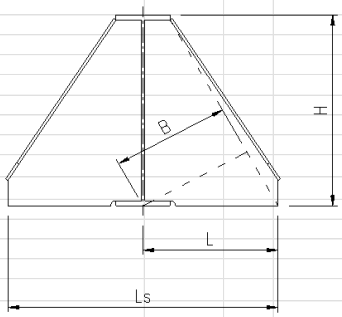
Figure 11.3 - Topside – Grillage – wing plates

1. 1st ORDER BEAMS																		
Rz =	1863	kN																
Vx =	38	kN																
Vy =	521	kN																
1.1 - 1st ORDER SUPPORT BEARING CHECK																		
Fy	345	MPa	Yield strength															
L	400	mm	Bearing plate lenght (web direction)															
tw	17.5	mm	Web thickness															
B	400	mm	Bearing plate width															
ts	20	mm	Support beam web thickness															
Ap = L x tw + B x ts =	15000	mm^2	Bearing area															
F = Fz =	1863	kN	Vertical force															
fp = F / Ap =	124	MPa	< 1.35 x Fy =	465.75	MPa	(UC =	0.27	)										
1.2 - 1st ORDER SUPPORT BUCKLING CHECK																		
Fy	345	MPa	Yield strength															
tw	17.5	mm	Web thickness															
L	300	mm	Web effective lenght															
ts	20	mm	Support beam web thickness															
B = 25 x ts =	500	mm	Bearing plate width															
A = L x tw + B x ts =	15250	mm^2	Bearing area															
N = Fz =	1863	kN	Compressive force															
λl =	77		Proportionality slenderness															
k	0.75		Effective length factor															
l	800	mm	Member length															
r	116.9	mm	Minimum section radius															
k x l / r =	5		Slenderness ratio															
λ =	0.07		Relative slenderness															
α =	0.49		Stability curve															
Φ =	0.47																	
χ =	1.00																	
γm1 =	1.10																	
Fa = χ*fy/γm1 =	314	MPa	Allowable compressive strength															
fa = N / A =	122	MPa	< Fa =	314	MPa	(UC =	0.39	)										

1.3 LONG. WELD								
Fy	235	MPa	Plate yield strength					
A = 2*400*14*0.7	7840	mm^2	Weld area					
V =	38	kN						
γm2 =	1.25							
τ = V/A =	4.8	MPa	< Fy/√3 γm2=	109	MPa	(UC =	0.04	)
1.4 LATERAL WELD								
Fy	235	MPa	Plate yield strength					
A = 2*14*0.7*(300+300)	11760	mm^2	Weld area					
V =	521	kN						
γm2 =	1.25							
τ = V/A =	44.3	MPa	< Fy/√3 γm2=	109	MPa	(UC =	0.41	)

Table 11.7 – Grillage 1st layer check

Fz	1863	kN	Vertical reaction											
										Unstiffened	Stiffened			
									MAX UC =	0.96	0.85			
1 - WING PLATE STRENGTH CHECK														
Fy	345	MPa	Plate yield strength											
H	800	mm	Plate height											
t	20	mm	Plate thickness											
Bf	150	mm	Flange width											
tf	15	mm	Flange thickness											
L	540	mm	Plate base											
W	2.133E+06	mm^3	Section modulus											
Av	16000	mm^2	Shear area											
F = Fz =	1863	kN	Vertical force											
Ls	1080	mm	Support width											
p = F / Ls =	1725	kN/m	Distributed load acting on wing plate											
M = p x L^2 / 2 =	252	kNm	Bending moment											
V = p x L =	932	kN	Shear force											
fb = M / W =	118	MPa	< 0.40 x Fy =	138	MPa	(UC =	0.85	)						
fv = V / Av =	58	MPa	< 0.40 x Fy =	138	MPa	(UC =	0.42	)						
2 - WING PLATE BUCKLING CHECK - UNSTIFFENED PLATE														
Fy	345	MPa	Plate yield strength											
L	540	mm	Plate base											
B	450	mm	Plate width											
t	20	mm	Plate thickness											
r	5.8	mm	Plate radius											
B / r	78	mm	Plate slenderness											
Pa	971	kN	Allowable load											
F = Fz =	1863	kN	Support reaction											
Ls	1080	mm	Support width											
P = F x L / Ls =	932	kN	Wing plate load											
UC = P / Pa =	0.96		< 1.00											



3 - WING PLATE BUCKLING CHECK - STIFFENED PLATE														
Fy	345	MPa	Plate yield strength											
h	300	mm	Section depth											
tf	15	mm	Flange thickness											
Bf	150	mm	Flange width											
t	20	mm	Plate thickness											
A = h x t + Bf x tf =	8250	mm^2	Section area											
r	48.9	mm	Section radius											
L	540	mm	Plate base											
B	450	mm	Plate width											
B / r	9	mm	Plate slenderness											
Pa	1305	kN	Allowable load											
F = Fz =	1863	kN	Support reaction											
Ls	1080	mm	Support width											
P = F x L / Ls =	932	kN	Wing plate load											
UC = P / Pa =	0.71		< 1.00											
θ = atan (H / L) =	56.0	deg	Wing plate angle to horizontal											
R = P / 2 =	466	kN	Vertical force on stiffener											
N = R / sinθ =	562	kN	Axial force on stiffener											
k	1.00		Effective length factor											
l	900	mm	Member length											
Cc	110													
k x l / r =	18		Slenderness ratio											
Fa =	197	MPa	Allowable compressive strength											
fa = N / A =	68	MPa	< Fa =	197	MPa	(UC =	0.35	)						

Table 11.8 – Grillage 1st layer wing plates check

11.3.2 Barge Reactions

Grillage position and strongpoints map of the barge deck are reported in Figure 11.4.

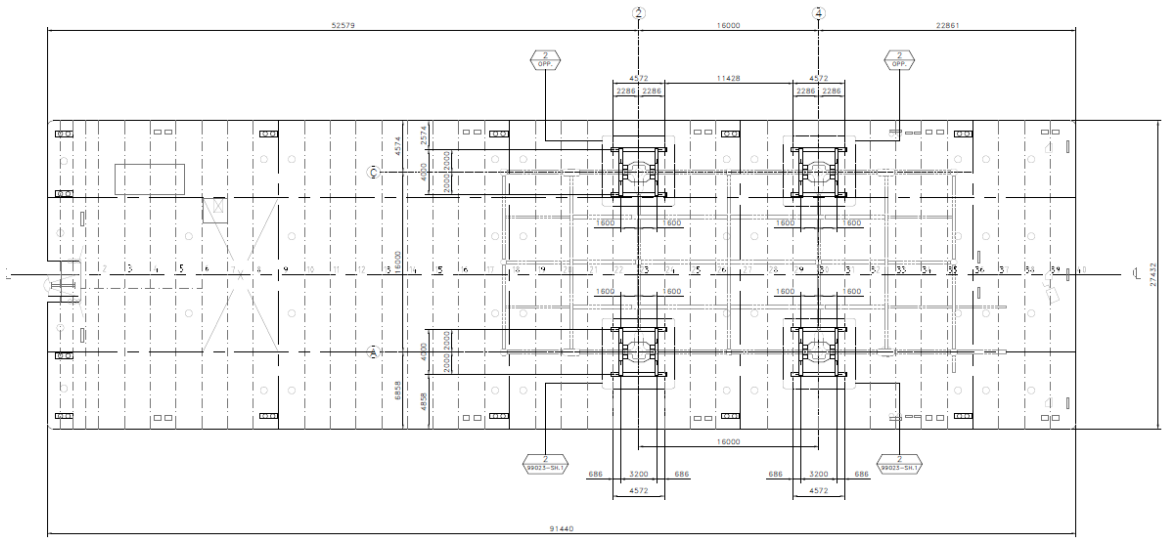
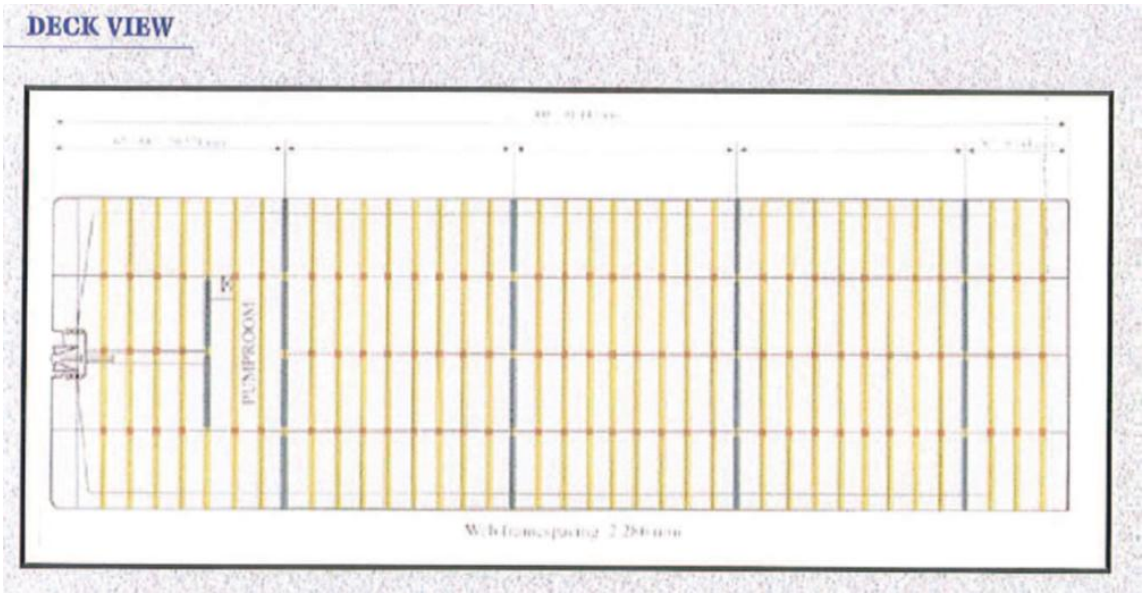


Figure 11.4 -Topside – Grillage disposition on barge deck

Deck load plan is shown in Fig. 11.6 below, from the figure:

- the resistance of barge deck is 160t anywhere of transverse frame
- load is to be distributed at least 1m in frame direction



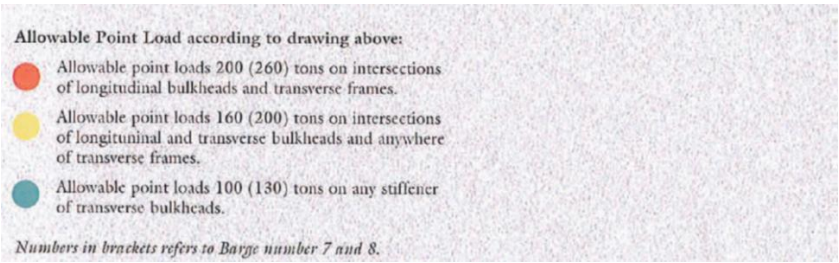


Figure 11.5 -Deck Load Plan

The max. reactions at ULS, as per sec.11.1.1, are compared against MBL in the following table.

STRONGPOINT	MBL [t]	MAX. REACTION [t]	CHECK
Long. BHD – transverse BHD Anywhere transv.frame	160	145	OK

Table 11.9 – Grillage reactions on barge deck – check

11.3.3 Sea Fastening

Sea Fastening is composed by n.2 pipes Φ323.9x12.7mm connected to the barge deck and to the grillage through gusset plates 25mm thk. Each grillage has two Sea fastening pipes.

In the following figure, the main dimensions of the two typical gusset plates per row are represented.

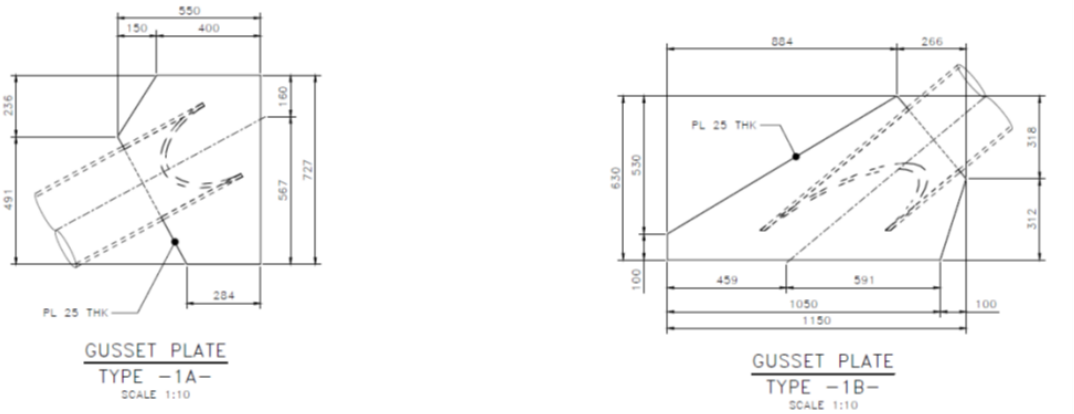


Figure 11.6 -Sea Fastening Gusset Plate

Checks are performed for max. reactions at the Sea Fastening points for each row, reported in sec. 11.1.1.

Max axial force at ULS is 2777 kN, for SF pipes Row C2 fwd. Max. reactions are reported in the following:

Rx = 1188 kN

Ry = 1177 kN

Rz = 1279 kN

Check of Bottom weld:

A_V = 1050*20 = 21000 mm^2

W = 20*1050^2/6 = 3.675x10^6 mm^3

F_y = 235 MPa

σ = Rz/A + M/W = 1279000/21000 + 1279000*0.1/3.675x10^6 = 62 MPa < Fy/γ_{m2} = 235/1.25 = 188 MPa OK

fv_x = Rx/A =1188000/21000 = 57 MPa < Fy/$\sqrt{3}$/γ_{m2} = 109 MPa OK

fv_y = Ry/A = 1177000/21000 = 56 MPa< Fy/$\sqrt{3}$/γ_{m2} = 109 MPa OK

$\sigma_{VM} = \sqrt{(\sigma^2 + 3*(\tau_x^2 + \tau_y^2))}$ = 151.6 MPa < fa = Fy/γ_{m2} = 235/1.25 = 188 MPa OK UC = 151.6/188 = 0.80

Gusset plate checks

Fs	2777	kN	Fastening axial load			Side 1	Side 2								
				MAX UC =		0.72	0.91	Unstiffened							
						NA	NA	Stiffened							
1 - SIDE 1 - STRENGTH CHECK										**4 - SIDE 2 - STRENGTH CHECK**					
Fy	345	MPa	Plate yield strength							Fy	345	MPa	Plate yield strength		
H1	911	mm	Plate height							H2	527	mm	Plate height		
t	25	mm	Plate thickness							t	25	mm	Plate thickness		
L1	200	mm	Plate base							L2	209	mm	Plate base		
A1 = L1 x t =	5000	mm^2	Horizontal section - Section area							A2 = L2 x t =	5225	mm^2	Horizontal section - Section area		
W1 = t x $H1^2$ /6 =	3.458E+06	mm^3	Vertical section - Section modulus							W2 = t x $H2^2$ /6 =	1.157E+06	mm^3	Vertical section - Section modulus		
Av1 = H1 x t =	22775	mm^2	Vertical section - Shear area							Av2 = H2 x t =	13175	mm^2	Vertical section - Shear area		
F = Fs =	2777	kN	Plate force							F = Fs =	2777	kN	Plate force		
Ls	1050	mm	Support width							Ls	1050	mm	Support width		
S1	222	mm	Side 1 lenght							S2	327	mm	Side 2 lenght		
P1 = F x S1 / Ls =	587	kN	Plate 1 load							P2 = F x S2 / Ls =	865	kN	Plate 2 load		
p1 = P1 / L1 =	2936	kN/m	Distributed load acting on wing plate							p2 = P2 / L2 =	4138	kN/m	Distributed load acting on wing plate		
N = P1 =	587	kN	Axial load							N = P2 =	865	kN	Axial load		
M = p1 x $L1^2$ / 2 =	59	kNm	Bending moment							M = p2 x $L2^2$ / 2 =	90	kNm	Bending moment		
V = p1 x L1 =	587	kN	Shear force							V = p2 x L2 =	865	kN	Shear force		
λl =	44		Proportionality slenderness							λl =	44		Proportionality slenderness		
k	2.00		Effective length factor							k	2.00		Effective length factor		
l = H =	150	mm	Member length							l = H =	150	mm	Member length		
r	7.2	mm	Minimum section radius							r	7.2	mm	Minimum section radius		
k x l / r =	42		Slenderness ratio							k x l / r =	42		Slenderness ratio		
λ =	0.94		Relative slenderness							λ =	0.94		Relative slenderness		
α =	0.49		Stability curve							α =	0.49		Stability curve		
Φ =	1.12									Φ =	1.12				
χ =	0.58									χ =	0.58				
γm1 =	1.10									γm1 =	1.10				
Fa = χ*fy/γm1 =	181	MPa	Allowable compressive strength							Fa = χ*fy/γm1 =	181	MPa	Allowable compressive strength		
fa = N / A =	117	MPa	< Fa =	181	MPa	(UC =	0.65)			fa = N / A =	166	MPa	< Fa =	181	MPa (UC = 0.91)
fb = M / W =	17	MPa	< Fy/γm1 =	314	MPa	(UC =	0.05)			fb = M / W =	78	MPa	< Fy/γm1 =	314	MPa (UC = 0.25)
fv = V / Av =	26	MPa	< Fy/√3 γm0=	181	MPa	(UC =	0.14)			fv = V / Av =	66	MPa	< Fy/√3 γm0=	181	MPa (UC = 0.36)
2 - SIDE 1 - BUCKLING CHECK - UNSTIFFENED PLATE										**5 - SIDE 2 - BUCKLING CHECK - UNSTIFFENED PLATE**					
Fy	345	MPa	Plate yield strength							Fy	345	MPa	Plate yield strength		
L1	200	mm	Plate base							L2	209	mm	Plate base		
B1	200	mm	Plate width							B2	300	mm	Plate width		
t	25	mm	Plate thickness							t	25	mm	Plate thickness		
r	7.2	mm	Plate radius							r	7.2	mm	Plate radius		
B1 / r	28	mm	Plate slenderness							B2 / r	42	mm	Plate slenderness		
Pa1	810	kN	Allowable load							Pa2	1648	kN	Allowable load		
P1	587	kN	Plate 1 load							P2	865	kN	Plate 2 load		
UC = P1 / Pa1 =	0.72		< 1.00							UC = P2 / Pa2 =	0.52		< 1.00		

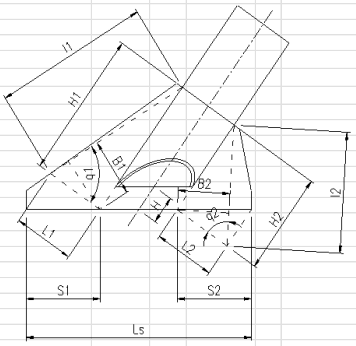


Table 11.10 – gusset plate check

11.3.4 Stoppers

On each Grillage, there are 4 stoppers along roll direction and 4 ones along pitch direction.

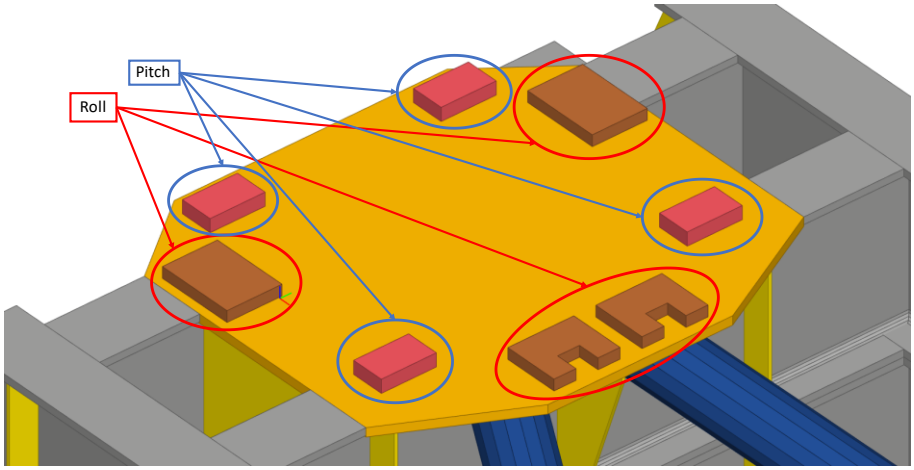


Figure 11.7 -Stoppers on grillage top flange

Roll stoppers are 300x250x50 and 350x250x50 steel parallelepiped. The former has a cubic hole of 100mm sides. Pitch stoppers are 250x150x60 steel parallelepiped.

In the following, stoppers checks are reported, max. Forces applied to the stoppers are:

MEMBER	MEMBER END	GROUP	LOAD CASE	Fx [kN]	Fy [kN]	Fz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]	REMARK
TU01-L005	L005	TS1	C311	**756**	-3447	208	0	208	-3449	MAX Fx
TU04-L015	TU04	TS1	C205	**-10186**	1078	-2379	0	0	0	min Fx
TU01-L005	TU01	TS1	C214	-9931	**4133**	-246	0	0	0	MAX Fy
TU02-L003	TU02	TS1	C209	-9941	**-4103**	-248	0	0	0	min Fy
TU03-L013	TU03	TS1	C202	-2168	473	**2472**	0	0	0	MAX Fz
TU02-L003	TU02	TS1	C205	-3892	27	**-2483**	0	0	0	min Fz

Table 11.11 – stoppers max actions

- Roll (global X): V_x = 4103 kN
- Pitch (global Y): V_y = 2483 kN

<u>Roll Stoppers</u>

Bearing check

A = 300x250 = 75000 mm^2

$\sigma = (V_x/2)/A = (4115/2)/75000 = 25$ MPa < F_y = 345 MPa OK

Weld check

A_w = 700x30x0.7 = 14700 mm^2

$\tau = (V_x/2)/A_w = (4115/2)/14700 = 140$ MPa < $F_y/\sqrt{3}/1.25 = 159$ MPa OK

UC = 0.88

Pitch Stoppers

Bearing check

$A = 150x60 = 9000\ mm^2$

$\sigma = (V_y/2)/A = (2725/2)/9000 = 151\ MPa < F_y = 345\ MPa$ OK

Weld check

$A_w = 500x30x0.7 = 10500\ mm^2$

$\tau = (V_y/2)/A_w = (2725/2)/14700 = 92\ MPa < F_y/\sqrt{3}/1.25 = 159\ MPa$ OK

UC = 0.58

11.3.5 Uplift stiffeners

On each Grillage, there are 6 stiffeners used to prevent the topside uplift.

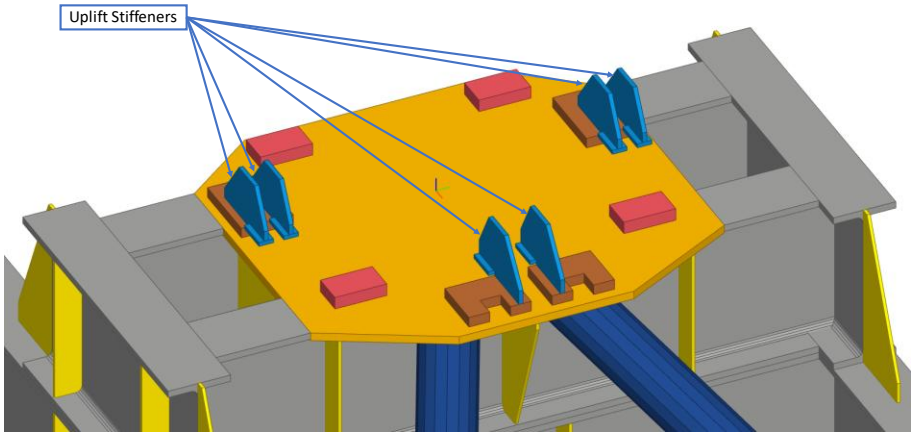


Figure 11.8 -Uplift stiffeners on grillage top flange

Uplift stiffeners are 20mm plates welded on the roll stoppers, having a 150x70x20 plate that is in contact with the topside main beam lower flange in order to prevent uplift.

In the following, stiffeners checks are reported.

Max. uplift force is: $F_z = 756\ kN$

On each stiffener: $F = 756/6 = 126\ kN$

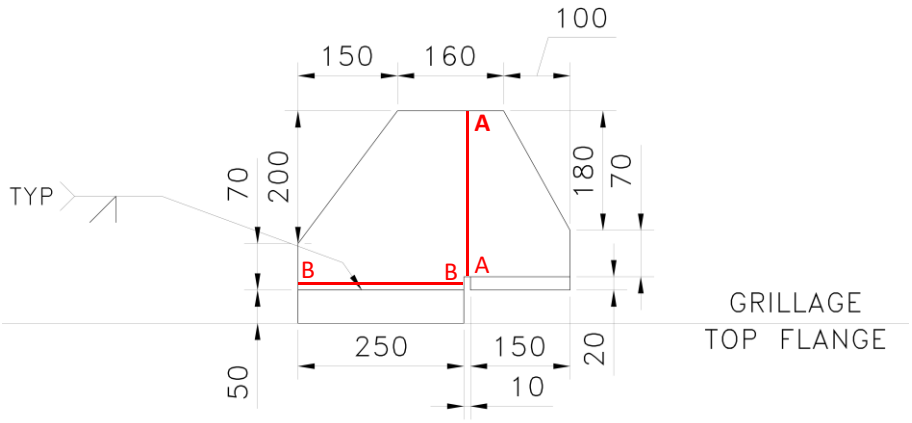


Figure 11.9 -Uplift stiffeners on grillage top flange – detail

Section A-A

A = 250x20 = 5000 mm^2

W = $20x250^2/6 = 0.21x10^6$ mm^3

τ = F/A = 126/5 = 25.2 MPa < $F_y/\sqrt{3}/1.1$ = 181 MPa OK

σ = Fx0.085/W = 10.7/0.21 = 51 MPa < $F_y/1.1$ = 314 MPa OK

UC = 0.16

Section B-B (Weld)

A = 250x20 = 5000 mm^2

W = $20x250^2/6 = 0.21x10^6$ mm^3

σ = F/A + Fx0.21/W = 126/5 + 26.5/0.21 = 25.2 + 126 = 152.5 MPa < $F_y/1.25$ = 276 MPa OK

UC = 0.55

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

APPENDIX A – MEMBER GROUPS AND SECTION PROPERTIES

Following properties are referred to grillage and seafastening elements. Properties for topside are listed in Ref./31/.

TUBULAR MEMBER PROPERTIES

GRP	M/S	JOINT THICK M	WALL THICK CM	OUTSIDE DIAM. CM	E 1000 KN/CM2	G 1000 KN/CM2	AXIAL AREA CM**2	***** MOMENTS OF INERTIA **** X-X CM**4	Y-Y CM**4	Z-Z CM**4	YIELD STRESS KN/CM2	KY	KZ	SHEAR AREA CM**2	RING SPACE M	SECT LENG M	TAPER
DUM	9	0.00	7.000	16.80	20.0	7.9	215.51	7814.6	3907.3	3907.3	36.0	1.0	1.0	215.51	0.00	0.00	
SF1	1	0.00	1.270	32.39	20.5	7.9	124.16	30112.	15056.	15056.	35.5	1.0	1.0	62.08	0.00	0.00	

WIDE FLANGE/WIDE FLANGE COMPACT,MEMBER PROPERTIES

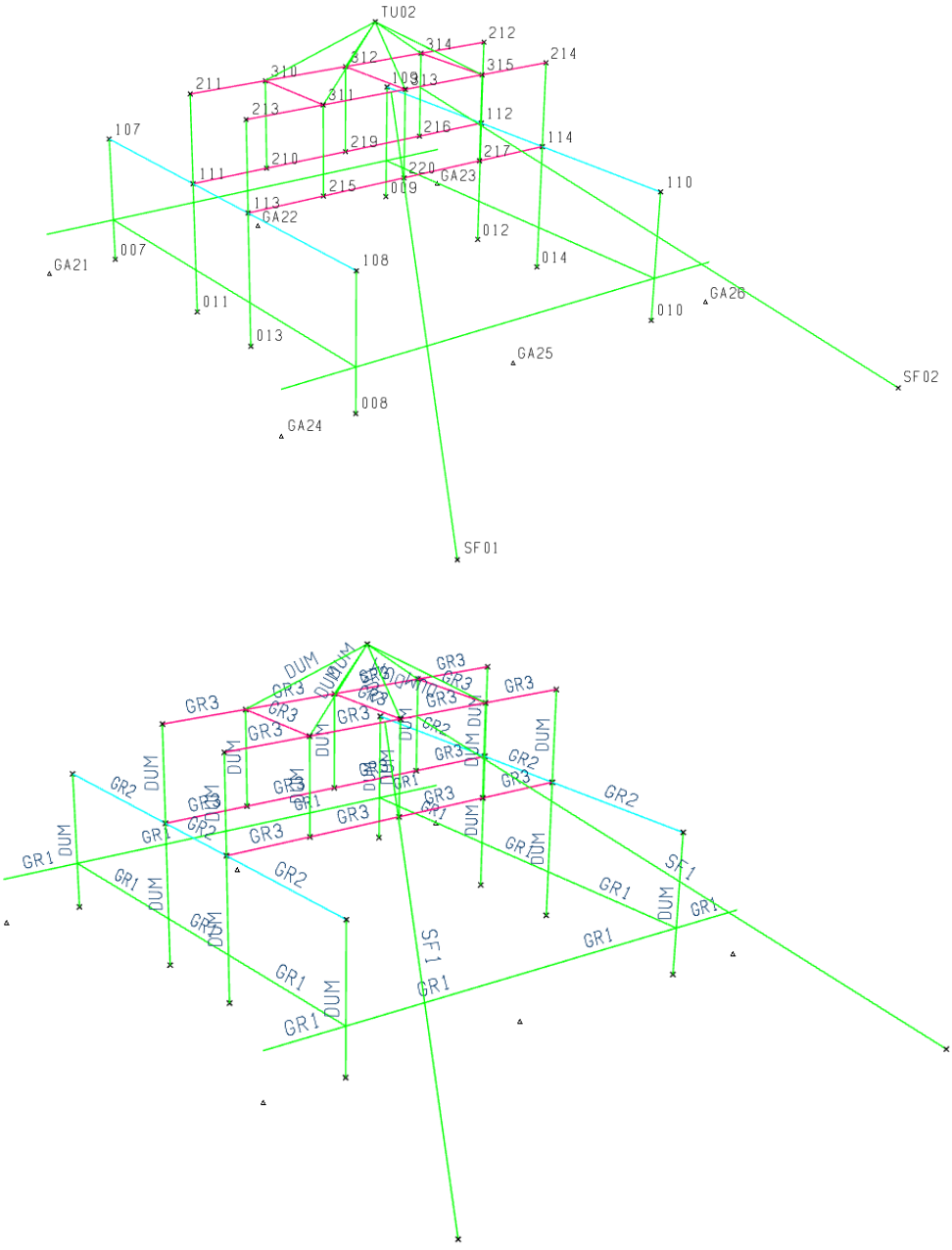
GRP	M/S	** FLANGE ** THICK CM	WIDTH CM	WEB THICK CM	FILET RAD. CM	DEPTH CM	E 1000 KN/CM2	G 1000 KN/CM2	AXIAL AREA CM**2	**** MOMENTS OF INERTIA **** X-X CM**4	Y-Y CM**4	Z-Z CM**4	YIELD STRESS KN/CM2	KY	KZ	FLANGE-BRC TOP M	BOT M	SECT TPR LEN M
GR1	1	3.30	30.00	1.750	3.000	80.00	20.5	7.9	334.2	946.0	0.3591E+06	0.1490E+05	35.5	1.0	1.0	0.0	0.0	0.00
GR2	1	3.30	30.00	1.750	3.000	80.00	20.5	7.9	334.2	946.0	0.3591E+06	0.1490E+05	35.5	1.0	1.0	0.0	0.0	0.00
GR3	1	3.30	30.00	1.750	3.000	80.00	20.5	7.9	334.2	946.0	0.3591E+06	0.1490E+05	35.5	1.0	1.0	0.0	0.0	0.00

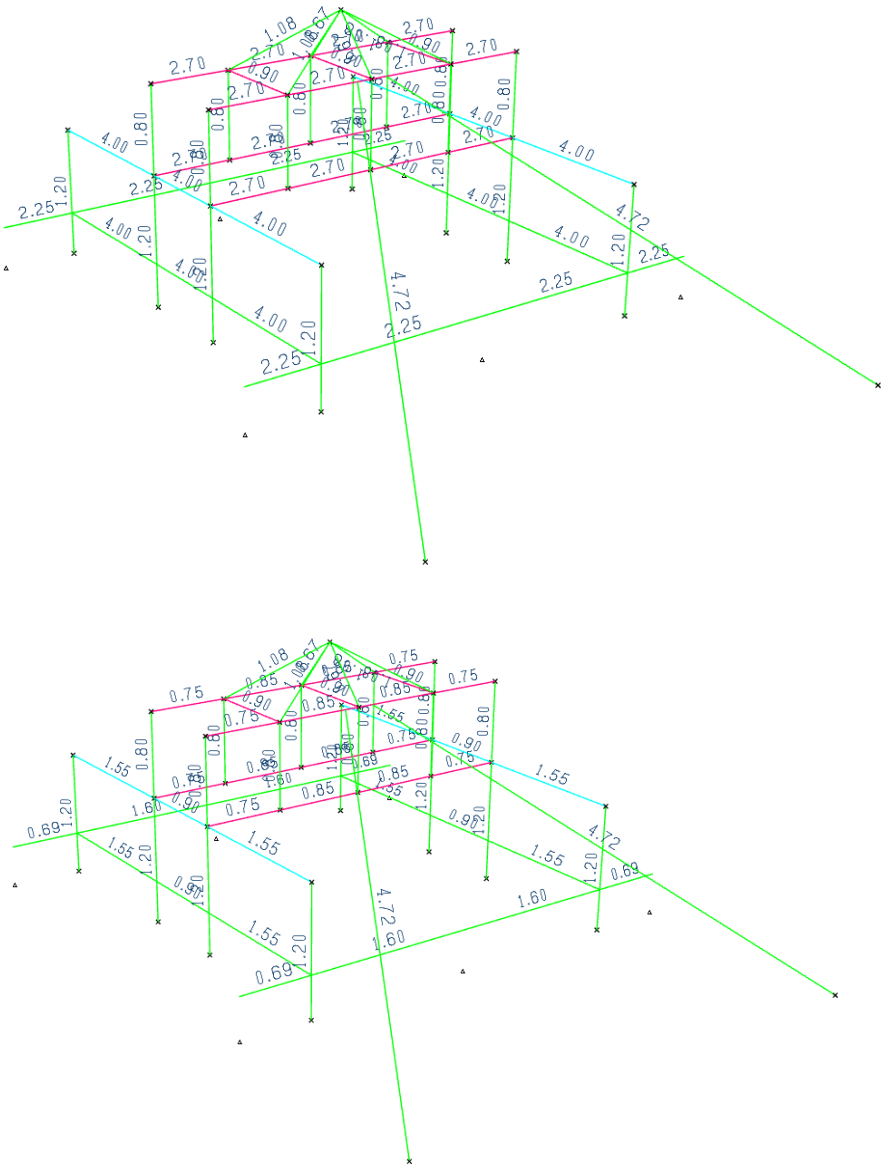
This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

APPENDIX B - WIREFRAME SCHEMES

Wireframe schemes are reported for Grillage and Seafastening only. Topside wireframe schemes are reported in Ref./31/.

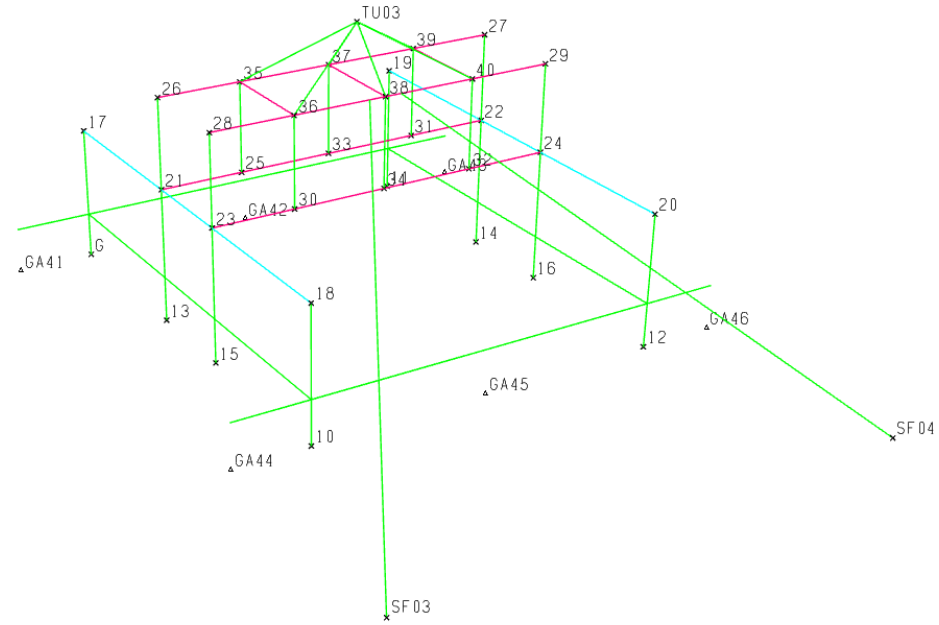
Grillage A-2

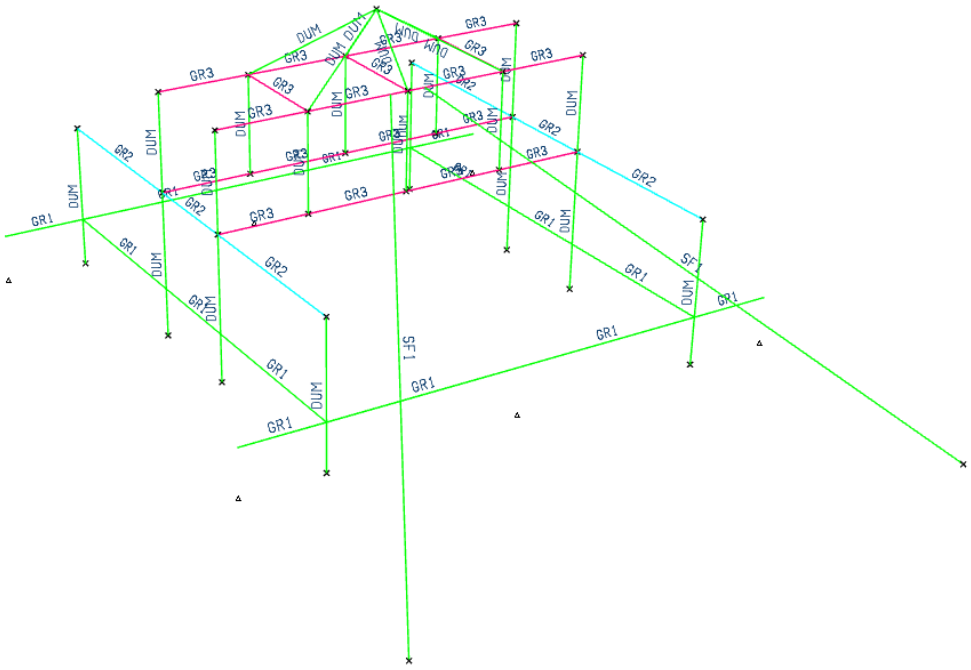


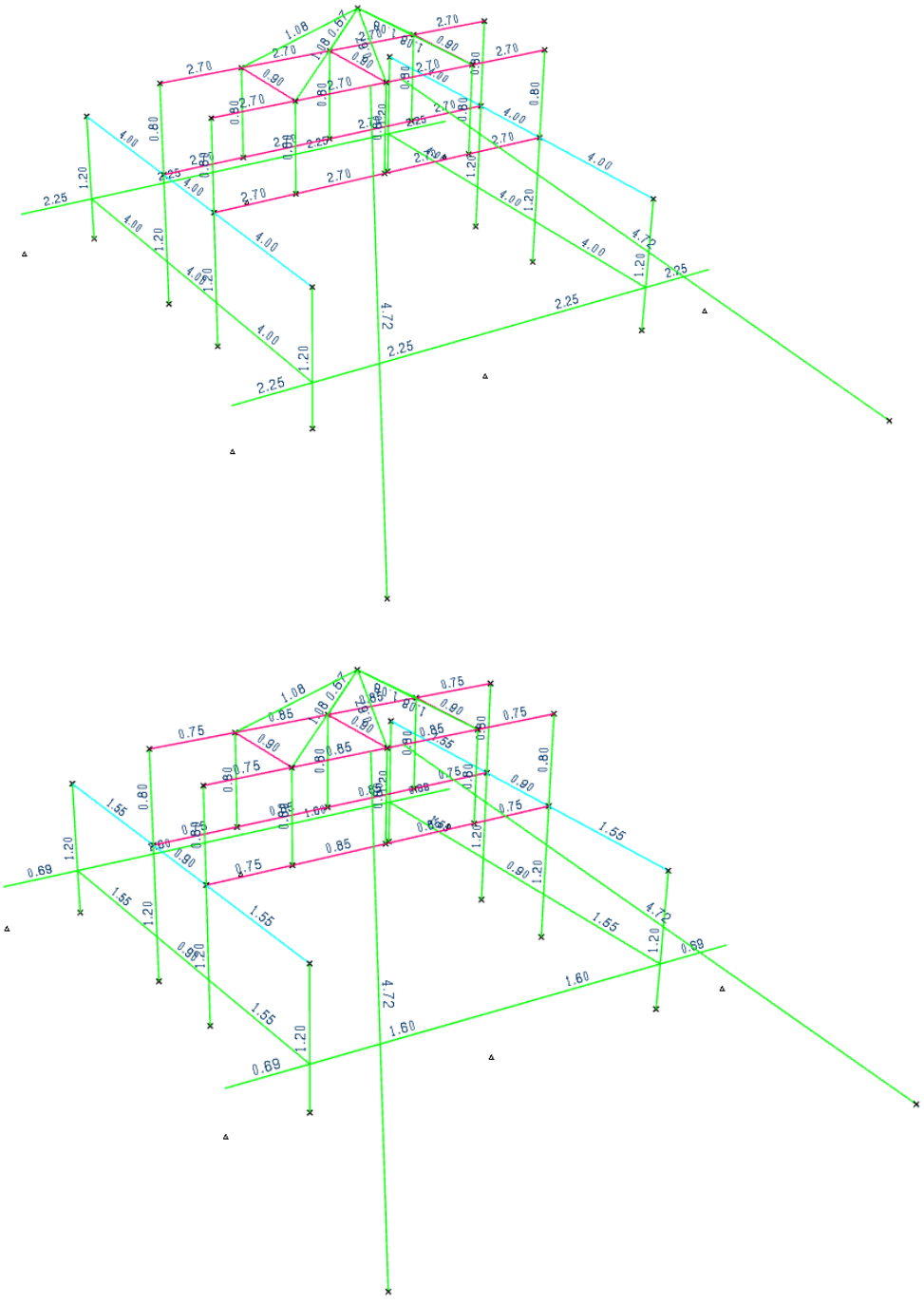


This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Grillage A-4

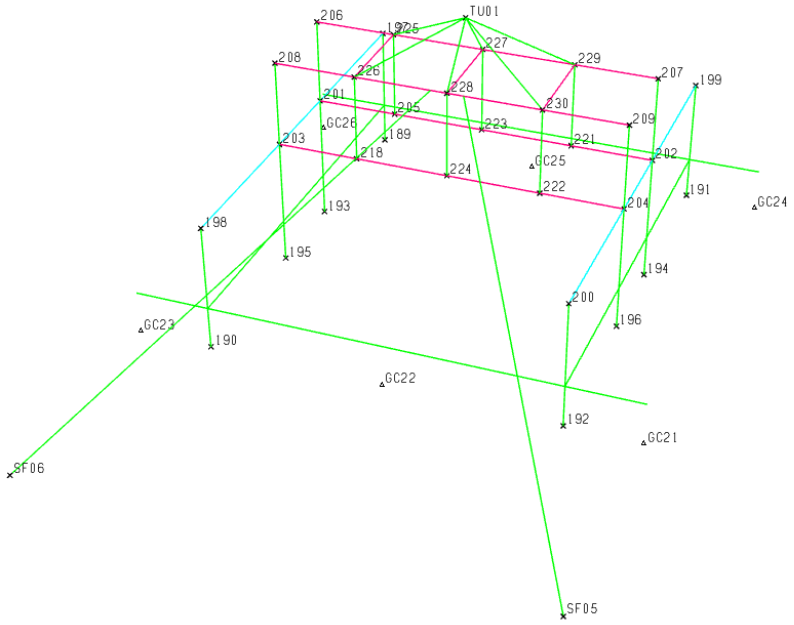


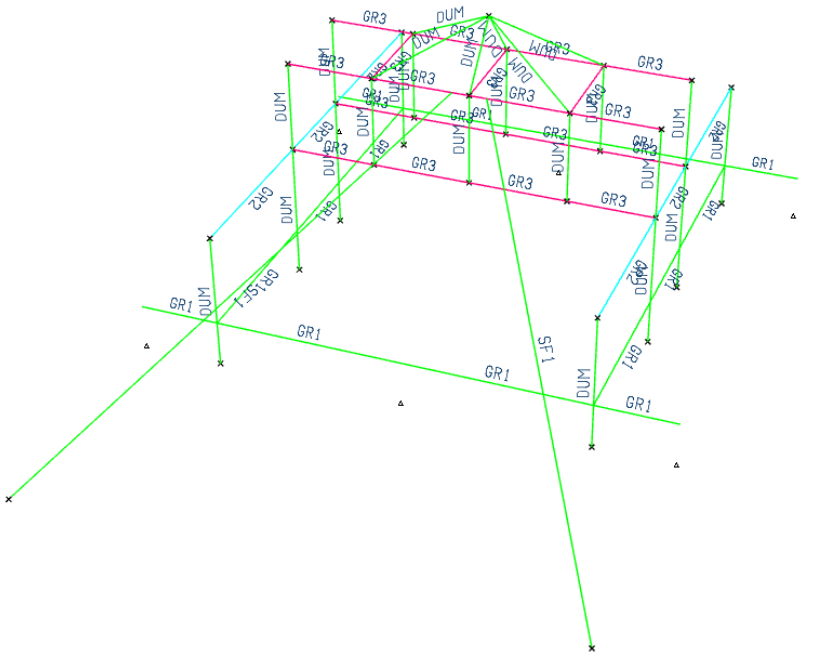


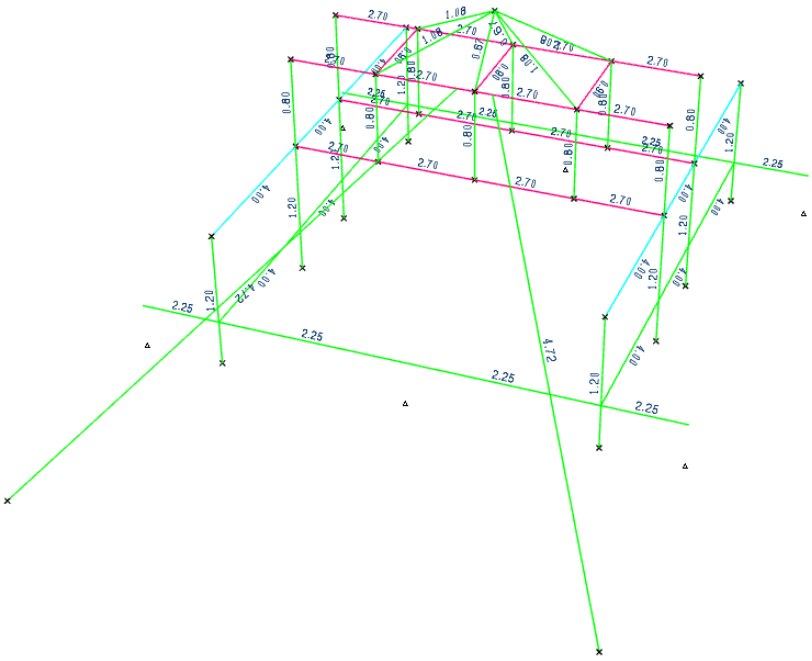


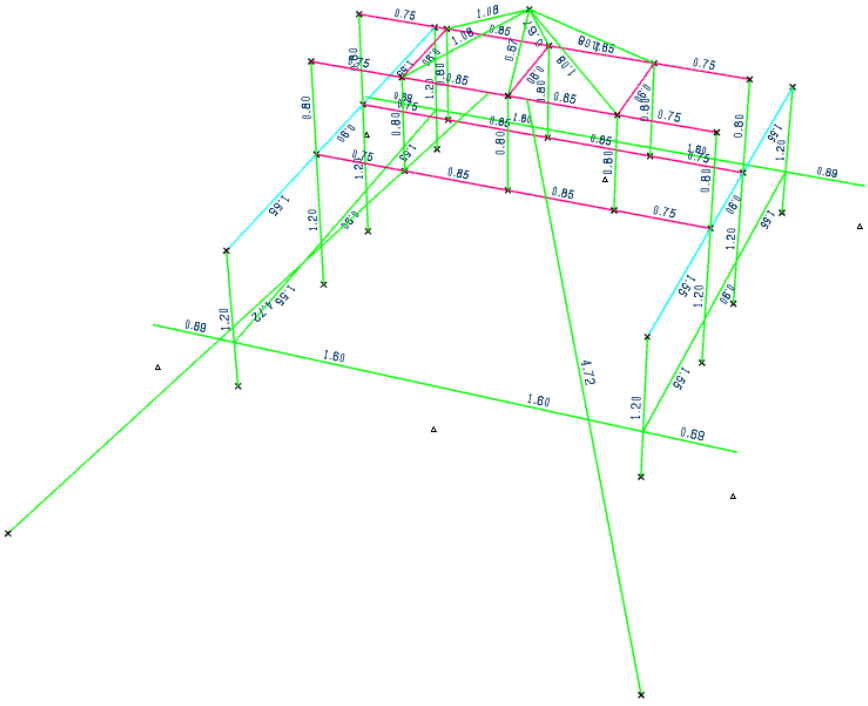
This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Grillage C-2

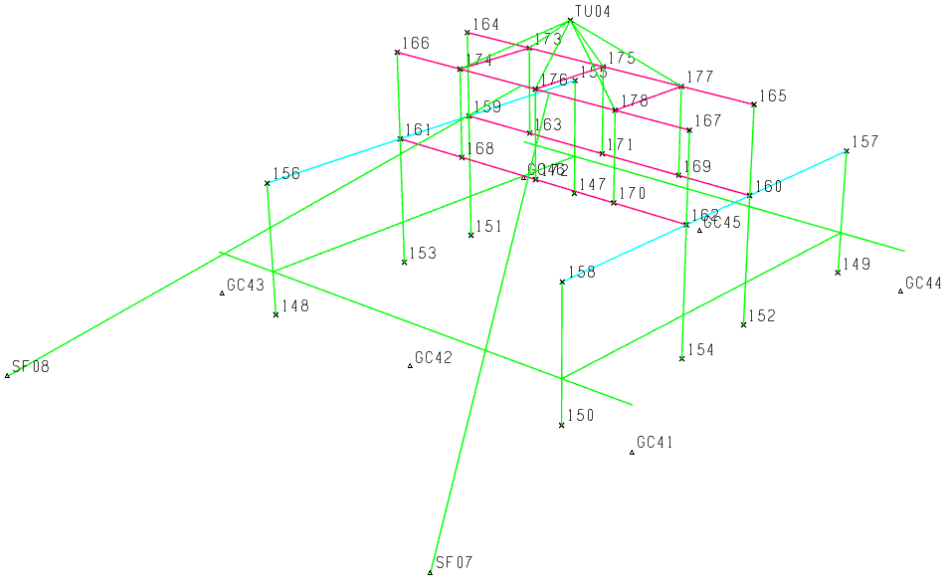

TU01
206
225
227
229
207
199
208
226
228
230
209
201
GC26
205
223
221
202
203
189
218
224
GC25
222
204
191
GC24
193
198
195
194
200
GC23
190
196
GC22
192
GC21
SF06
SF05

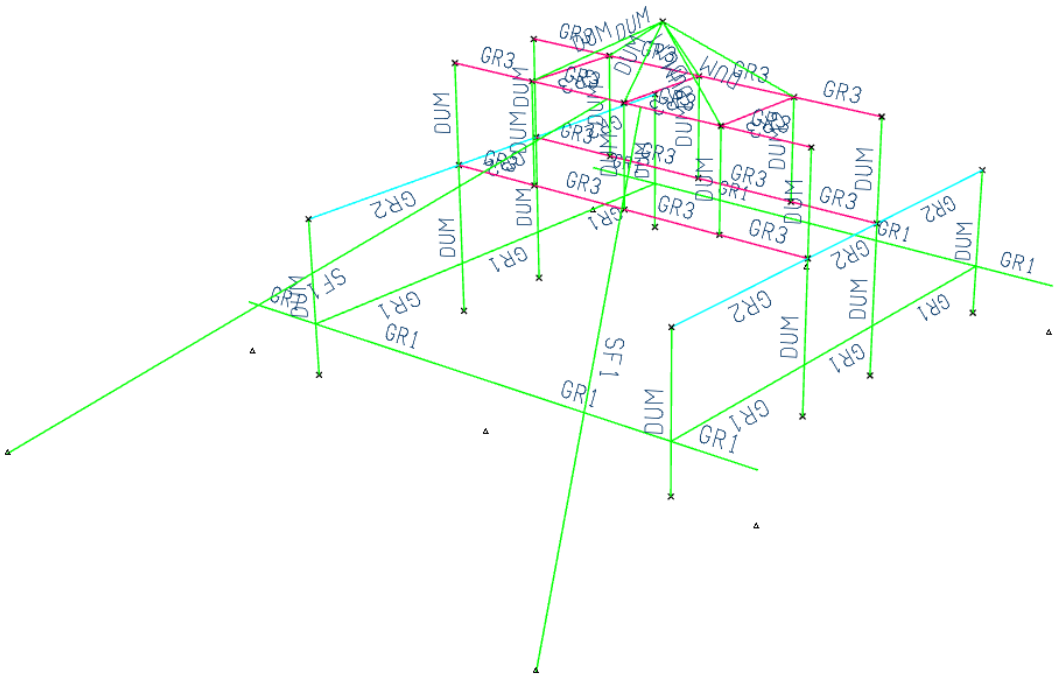

GR3
DUM
GR1
GR2
SF1

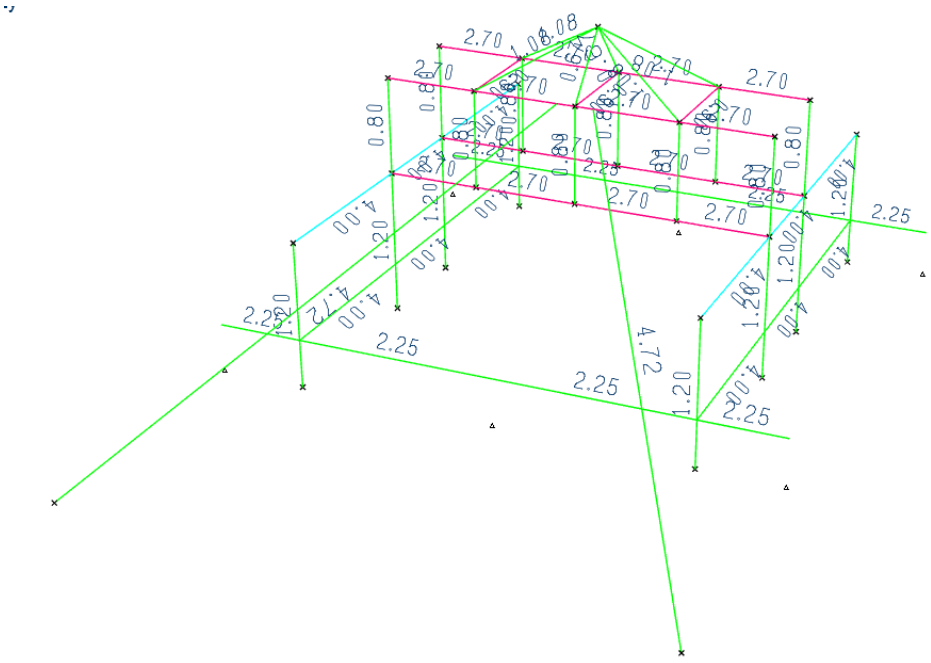


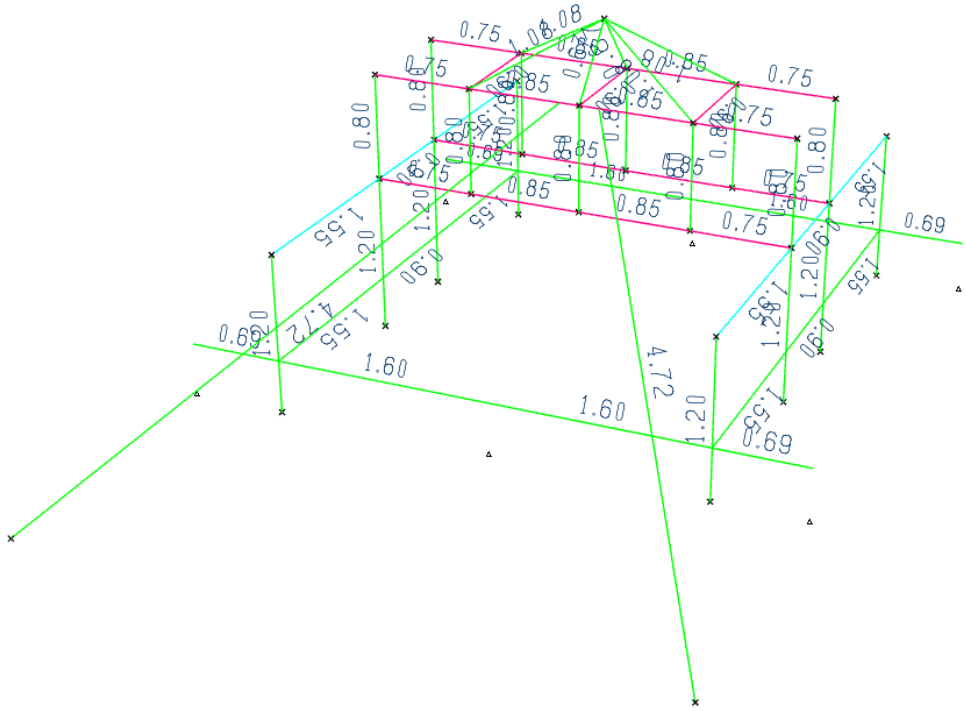


Grillage C-4


TU04
164
166
173
174
175
177
165
176
178
159
167
161
163
171
168
169
157
156
GC46
147
170
160
151
162
GC45
153
158
149
GC44
GC43
148
152
SF08
GC42
154
150
GC41
SF07


GR3
DUM
GR2
GR1
SF1


2.70
2.25
0.80
4.00
1.20
4.72


0.75
0.85
1.60
0.69
0.80
1.55
1.20
4.72

APPENDIX C – UPPER LAYER TO LOWER LAYER GRILLAGES INTERNAL ACTIONS

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
G- 17	G	DUM	C101	-641.94	49.48	55.06	-3.57	-63.82	-29.87
			C102	-635.21	47.83	59.93	-3.97	-69.50	-28.87
			C103	-463.03	33.93	39.85	-2.62	-46.18	-20.49
			C104	-456.30	32.28	44.72	-3.01	-51.86	-19.49
			C105	-1072.45	113.17	-45.80	4.76	53.72	-68.32
			C106	-1065.72	111.51	-40.93	4.36	48.05	-67.32
			C107	-861.39	89.71	-36.65	3.80	43.00	-54.17
			C108	-854.66	88.05	-31.78	3.41	37.33	-53.17
			C109	-916.91	81.48	9.30	0.75	-10.53	-49.30
			C110	-911.93	81.48	9.36	0.71	-10.60	-49.29
			C111	-718.45	62.86	5.61	0.68	-6.30	-38.04
			C112	-713.47	62.87	5.68	0.64	-6.37	-38.03
			C113	-751.87	75.13	4.09	0.08	-4.40	-45.26
			C114	-746.90	75.13	4.16	0.04	-4.47	-45.25
			C115	-574.97	56.19	1.93	0.15	-1.97	-33.86
			C116	-570.00	56.19	2.00	0.11	-2.04	-33.85
			C201	-479.58	30.56	71.45	-5.02	-82.95	-18.45
			C202	-470.49	28.33	78.02	-5.56	-90.61	-17.10
			C203	-238.05	9.57	50.90	-3.73	-59.14	-5.78
			C204	-228.96	7.33	57.48	-4.26	-66.80	-4.43
			C205	-1060.77	116.54	-64.72	6.22	75.74	-70.36
			C206	-1051.68	114.30	-58.14	5.69	68.08	-69.01
			C207	-775.83	84.87	-52.37	4.93	61.25	-51.24
			C208	-766.75	82.63	-45.79	4.40	53.60	-49.89
			C209	-850.78	73.76	9.66	0.81	-11.00	-44.67
			C210	-844.07	73.76	9.75	0.76	-11.10	-44.66
			C211	-582.86	48.63	4.69	0.72	-5.30	-29.47
			C212	-576.15	48.63	4.77	0.67	-5.39	-29.46
			C213	-627.98	65.18	2.63	-0.09	-2.73	-39.22
			C214	-621.27	65.18	2.72	-0.15	-2.82	-39.21
			C215	-389.17	39.62	-0.28	-0.00	0.55	-23.83
			C216	-382.46	39.62	-0.19	-0.05	0.45	-23.82
			C301	-361.40	19.50	70.56	-5.08	-81.97	-11.77
			C302	-352.31	17.26	77.14	-5.62	-89.63	-10.42
			C303	-119.87	-1.50	50.02	-3.79	-58.16	0.90
			C304	-110.78	-3.73	56.60	-4.32	-65.82	2.25
			C305	-942.59	105.47	-65.60	6.16	76.72	-63.68
			C306	-933.50	103.23	-59.02	5.63	69.06	-62.33
			C307	-657.65	73.80	-53.25	4.87	62.23	-44.56
			C308	-648.57	71.56	-46.67	4.34	54.58	-43.21
			C309	-732.60	62.69	8.78	0.75	-10.02	-37.99
			C310	-725.89	62.69	8.87	0.70	-10.12	-37.98
			C311	-464.68	37.56	3.81	0.66	-4.32	-22.79
			C312	-457.97	37.56	3.89	0.61	-4.41	-22.78
			C313	-509.80	54.11	1.75	-0.15	-1.75	-32.54
			C314	-503.09	54.12	1.84	-0.21	-1.84	-32.53
			C315	-270.99	28.55	-1.16	-0.06	1.53	-17.15
			C316	-264.28	28.56	-1.08	-0.11	1.43	-17.14
	17		C101	-641.94	49.48	55.06	-3.57	2.25	29.51
			C102	-635.21	47.83	59.93	-3.97	2.43	28.52
			C103	-463.03	33.93	39.85	-2.62	1.63	20.23
			C104	-456.30	32.28	44.72	-3.01	1.80	19.24
			C105	-1072.45	113.17	-45.80	4.76	-1.23	67.48
			C106	-1065.72	111.51	-40.93	4.36	-1.06	66.49
			C107	-861.39	89.71	-36.65	3.80	-0.98	53.48
			C108	-854.66	88.05	-31.78	3.41	-0.81	52.50
			C109	-916.91	81.48	9.30	0.75	0.63	48.48
			C110	-911.93	81.48	9.36	0.71	0.64	48.48
			C111	-718.45	62.86	5.61	0.68	0.44	37.40
			C112	-713.47	62.87	5.68	0.64	0.44	37.41
			C113	-751.87	75.13	4.09	0.08	0.51	44.89
			C114	-746.90	75.13	4.16	0.04	0.52	44.90
			C115	-574.97	56.19	1.93	0.15	0.35	33.57
			C116	-570.00	56.19	2.00	0.11	0.36	33.58
			C201	-479.58	30.56	71.45	-5.02	2.78	18.23
			C202	-470.49	28.33	78.02	-5.56	3.01	16.89
			C203	-238.05	9.57	50.90	-3.73	1.94	5.70
			C204	-228.96	7.33	57.48	-4.26	2.17	4.36
			C205	-1060.77	116.54	-64.72	6.22	-1.92	69.48
			C206	-1051.68	114.30	-58.14	5.69	-1.69	68.15
			C207	-775.83	84.87	-52.37	4.93	-1.59	50.60

C208	-766.75	82.63	-45.79	4.40	-1.35	49.26
C209	-850.78	73.76	9.66	0.81	0.59	43.84
C210	-844.07	73.76	9.75	0.76	0.60	43.85
C211	-582.86	48.63	4.69	0.72	0.33	28.88
C212	-576.15	48.63	4.77	0.67	0.34	28.89
C213	-627.98	65.18	2.63	-0.09	0.44	39.00
C214	-621.27	65.18	2.72	-0.15	0.44	39.01
C215	-389.17	39.62	-0.28	-0.00	0.21	23.71
C216	-382.46	39.62	-0.19	-0.05	0.22	23.73
C301	-361.40	19.50	70.56	-5.08	2.70	11.63
C302	-352.31	17.26	77.14	-5.62	2.94	10.29
C303	-119.87	-1.50	50.02	-3.79	1.86	-0.90
C304	-110.78	-3.73	56.60	-4.32	2.10	-2.23
C305	-942.59	105.47	-65.60	6.16	-2.00	62.89
C306	-933.50	103.23	-59.02	5.63	-1.77	61.55
C307	-657.65	73.80	-53.25	4.87	-1.66	44.00
C308	-648.57	71.56	-46.67	4.34	-1.43	42.67
C309	-732.60	62.69	8.78	0.75	0.51	37.24
C310	-725.89	62.69	8.87	0.70	0.52	37.25
C311	-464.68	37.56	3.81	0.66	0.25	22.28
C312	-457.97	37.56	3.89	0.61	0.26	22.29
C313	-509.80	54.11	1.75	-0.15	0.36	32.40
C314	-503.09	54.12	1.84	-0.21	0.36	32.41
C315	-270.99	28.55	-1.16	-0.06	0.13	17.12
C316	-264.28	28.56	-1.08	-0.11	0.14	17.13

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2435

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
10- 18	10	DUM	C101	-658.62	-71.85	32.20	2.90	-37.32	43.36
			C102	-653.70	-72.31	35.09	3.26	-40.69	43.64
			C103	-459.72	-52.11	23.15	2.06	-26.86	31.46
			C104	-454.80	-52.57	26.04	2.42	-30.23	31.73
			C105	-1085.11	-91.02	-28.05	-4.72	33.21	54.97
			C106	-1080.19	-91.48	-25.16	-4.36	29.83	55.24
			C107	-859.77	-73.17	-22.54	-3.83	26.66	44.19
			C108	-854.84	-73.63	-19.65	-3.46	23.29	44.47
			C109	-1064.39	-104.99	4.94	-0.28	-5.25	63.27
			C110	-1048.02	-102.97	4.95	-0.29	-5.27	62.06
			C111	-818.89	-81.83	2.78	-0.39	-2.86	49.32
			C112	-802.53	-79.82	2.78	-0.40	-2.88	48.12
			C113	-643.07	-56.13	1.69	-1.16	-1.77	34.00
			C114	-626.71	-54.11	1.69	-1.17	-1.79	32.79
			C115	-480.22	-43.10	0.44	-1.00	-0.39	26.11
			C116	-463.86	-41.09	0.45	-1.01	-0.41	24.90
			C201	-498.04	-60.01	42.08	4.28	-48.92	36.21
			C202	-491.39	-60.63	45.99	4.77	-53.48	36.58
			C203	-229.52	-33.36	29.87	3.14	-34.81	20.14
			C204	-222.88	-33.98	33.77	3.63	-39.36	20.51
			C205	-1073.81	-85.89	-39.25	-6.01	46.28	51.87
			C206	-1067.16	-86.51	-35.35	-5.53	41.72	52.25
			C207	-769.59	-61.79	-31.81	-4.80	37.45	37.33
			C208	-762.94	-62.42	-27.91	-4.32	32.89	37.70
			C209	-1045.83	-104.75	5.29	-0.02	-5.64	63.08
			C210	-1023.73	-102.02	5.30	-0.03	-5.67	61.45
			C211	-714.41	-73.49	2.37	-0.17	-2.41	44.26
			C212	-692.32	-70.77	2.38	-0.18	-2.44	42.62
			C213	-477.06	-38.79	0.90	-1.20	-0.94	23.57
			C214	-454.96	-36.07	0.91	-1.22	-0.97	21.93
			C215	-257.21	-21.20	-0.78	-0.99	0.92	12.92
			C216	-235.12	-18.48	-0.77	-1.00	0.89	11.29
			C301	-378.62	-48.72	41.66	4.39	-48.48	29.39
			C302	-371.98	-49.34	45.57	4.88	-53.04	29.76
			C303	-110.11	-22.06	29.45	3.26	-34.36	13.32
			C304	-103.46	-22.69	33.35	3.74	-38.92	13.69
			C305	-954.39	-74.59	-39.67	-5.90	46.73	45.06
			C306	-947.74	-75.22	-35.77	-5.42	42.17	45.43
			C307	-650.17	-50.50	-32.24	-4.69	37.89	30.51
			C308	-643.53	-51.12	-28.33	-4.21	33.33	30.88
			C309	-926.41	-93.45	4.87	0.09	-5.19	56.26
			C310	-904.32	-90.73	4.88	0.08	-5.22	54.63
			C311	-594.99	-62.20	1.95	-0.05	-1.97	37.44
			C312	-572.90	-59.47	1.96	-0.07	-2.00	35.81
			C313	-357.64	-27.50	0.47	-1.09	-0.50	16.75
			C314	-335.54	-24.77	0.49	-1.11	-0.53	15.11
			C315	-137.79	-9.91	-1.20	-0.88	1.37	6.10
			C316	-115.70	-7.19	-1.19	-0.89	1.34	4.47
	18		C101	-658.62	-71.85	32.20	2.90	1.32	-42.86
			C102	-653.70	-72.31	35.09	3.26	1.41	-43.13

C103	-459.72	-52.11	23.15	2.06	0.92	-31.07
C104	-454.80	-52.57	26.04	2.42	1.01	-31.35
C105	-1085.11	-91.02	-28.05	-4.72	-0.46	-54.25
C106	-1080.19	-91.48	-25.16	-4.36	-0.36	-54.53
C107	-859.77	-73.17	-22.54	-3.83	-0.39	-43.61
C108	-854.84	-73.63	-19.65	-3.46	-0.30	-43.89
C109	-1064.39	-104.99	4.94	-0.28	0.68	-62.72
C110	-1048.02	-102.97	4.95	-0.29	0.67	-61.51
C111	-818.89	-81.83	2.78	-0.39	0.47	-48.88
C112	-802.53	-79.82	2.78	-0.40	0.46	-47.66
C113	-643.07	-56.13	1.69	-1.16	0.25	-33.36
C114	-626.71	-54.11	1.69	-1.17	0.24	-32.15
C115	-480.22	-43.10	0.44	-1.00	0.14	-25.61
C116	-463.86	-41.09	0.45	-1.01	0.13	-24.40
C201	-498.04	-60.01	42.08	4.28	1.58	-35.80
C202	-491.39	-60.63	45.99	4.77	1.70	-36.18
C203	-229.52	-33.36	29.87	3.14	1.03	-19.90
C204	-222.88	-33.98	33.77	3.63	1.16	-20.27
C205	-1073.81	-85.89	-39.25	-6.01	-0.82	-51.19
C206	-1067.16	-86.51	-35.35	-5.53	-0.69	-51.57
C207	-769.59	-61.79	-31.81	-4.80	-0.73	-36.82
C208	-762.94	-62.42	-27.91	-4.32	-0.60	-37.20
C209	-1045.83	-104.75	5.29	-0.02	0.71	-62.62
C210	-1023.73	-102.02	5.30	-0.03	0.70	-60.98
C211	-714.41	-73.49	2.37	-0.17	0.43	-43.93
C212	-692.32	-70.77	2.38	-0.18	0.41	-42.29
C213	-477.06	-38.79	0.90	-1.20	0.14	-22.98
C214	-454.96	-36.07	0.91	-1.22	0.12	-21.35
C215	-257.21	-21.20	-0.78	-0.99	-0.01	-12.52
C216	-235.12	-18.48	-0.77	-1.00	-0.03	-10.89
C301	-378.62	-48.72	41.66	4.39	1.51	-29.07
C302	-371.98	-49.34	45.57	4.88	1.64	-29.44
C303	-110.11	-22.06	29.45	3.26	0.97	-13.16
C304	-103.46	-22.69	33.35	3.74	1.10	-13.54
C305	-954.39	-74.59	-39.67	-5.90	-0.88	-44.46
C306	-947.74	-75.22	-35.77	-5.42	-0.76	-44.83
C307	-650.17	-50.50	-32.24	-4.69	-0.79	-30.09
C308	-643.53	-51.12	-28.33	-4.21	-0.67	-30.46
C309	-926.41	-93.45	4.87	0.09	0.65	-55.88
C310	-904.32	-90.73	4.88	0.08	0.63	-54.25
C311	-594.99	-62.20	1.95	-0.05	0.37	-37.20
C312	-572.90	-59.47	1.96	-0.07	0.35	-35.56
C313	-357.64	-27.50	0.47	-1.09	0.07	-16.25
C314	-335.54	-24.77	0.49	-1.11	0.06	-14.61
C315	-137.79	-9.91	-1.20	-0.88	-0.08	-5.79
C316	-115.70	-7.19	-1.19	-0.89	-0.09	-4.16

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
11- 19	11	DUM	C101	-442.20	44.81	52.38	-4.70	-61.11	-27.09
			C102	-416.39	43.00	57.39	-5.08	-66.93	-26.00
			C103	-318.19	29.64	38.47	-3.47	-44.87	-17.93
			C104	-292.38	27.82	43.48	-3.84	-50.69	-16.83
			C105	-1263.79	111.25	-53.87	2.59	62.19	-67.13
			C106	-1237.97	109.43	-48.86	2.21	56.37	-66.03
			C107	-1014.93	87.55	-42.75	2.04	49.35	-52.83
			C108	-989.12	85.74	-37.73	1.66	43.53	-51.74
			C109	-895.95	78.04	3.27	-1.89	-4.07	-47.23
			C110	-890.66	78.04	3.37	-1.86	-4.19	-47.22
			C111	-708.39	59.52	1.31	-1.38	-1.74	-36.02
			C112	-703.10	59.52	1.41	-1.36	-1.86	-36.01
			C113	-747.58	71.83	-0.16	-0.55	-0.16	-43.27
			C114	-742.29	71.83	-0.06	-0.52	-0.28	-43.26
			C115	-576.26	52.94	-0.89	-0.39	0.77	-31.89
			C116	-570.97	52.94	-0.79	-0.37	0.65	-31.89
			C201	-214.96	25.94	70.14	-5.80	-81.68	-15.71
			C202	-180.12	23.49	76.90	-6.30	-89.54	-14.23
			C203	-47.54	5.46	51.35	-4.13	-59.76	-3.34
			C204	-12.70	3.01	58.12	-4.63	-67.61	-1.86
			C205	-1324.10	115.63	-73.31	4.04	84.78	-69.76
			C206	-1289.25	113.18	-66.54	3.54	76.92	-68.28
			C207	-988.15	83.64	-58.29	3.30	67.44	-50.46
			C208	-953.30	81.19	-51.52	2.80	59.58	-48.98
			C209	-827.52	70.80	3.83	-2.00	-4.68	-42.89
			C210	-820.38	70.80	3.97	-1.96	-4.84	-42.88
			C211	-574.31	45.80	1.19	-1.32	-1.53	-27.76
			C212	-567.17	45.79	1.32	-1.28	-1.69	-27.75
			C213	-627.23	62.41	-0.79	-0.19	0.60	-37.55

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C214	-620.08	62.41	-0.66	-0.15	0.43	-37.53
	C215	-395.94	36.92	-1.78	0.02	1.86	-22.19
	C216	-388.80	36.91	-1.64	0.06	1.69	-22.18
	C301	-98.32	15.39	69.96	-5.63	-81.43	-9.34
	C302	-63.47	12.94	76.73	-6.13	-89.29	-7.86
	C303	69.10	-5.10	51.17	-3.96	-59.51	3.03
	C304	103.95	-7.55	57.94	-4.46	-67.36	4.51
	C305	-1207.46	105.08	-73.48	4.21	85.03	-63.38
	C306	-1172.61	102.63	-66.72	3.71	77.17	-61.91
	C307	-871.51	73.09	-58.46	3.47	67.69	-44.09
	C308	-836.66	70.64	-51.70	2.97	59.83	-42.61
	C309	-710.88	60.25	3.66	-1.83	-4.43	-36.52
	C310	-703.73	60.25	3.79	-1.80	-4.59	-36.51
	C311	-457.67	35.24	1.01	-1.15	-1.28	-21.39
	C312	-450.52	35.24	1.15	-1.11	-1.44	-21.38
	C313	-510.58	51.86	-0.97	-0.02	0.85	-31.18
	C314	-503.44	51.86	-0.83	0.01	0.68	-31.16
	C315	-279.30	26.36	-1.95	0.19	2.11	-15.82
	C316	-272.15	26.36	-1.82	0.22	1.94	-15.81
19	C101	-442.20	44.81	52.38	-4.70	1.75	26.68
	C102	-416.39	43.00	57.39	-5.08	1.94	25.60
	C103	-318.19	29.64	38.47	-3.47	1.29	17.64
	C104	-292.38	27.82	43.48	-3.84	1.48	16.55
	C105	-1263.79	111.25	-53.87	2.59	-2.45	66.37
	C106	-1237.97	109.43	-48.86	2.21	-2.26	65.28
	C107	-1014.93	87.55	-42.75	2.04	-1.95	52.23
	C108	-989.12	85.74	-37.73	1.66	-1.76	51.14
	C109	-895.95	78.04	3.27	-1.89	-0.15	46.43
	C110	-890.66	78.04	3.37	-1.86	-0.15	46.43
	C111	-708.39	59.52	1.31	-1.38	-0.17	35.40
	C112	-703.10	59.52	1.41	-1.36	-0.17	35.41
	C113	-747.58	71.83	-0.16	-0.55	-0.35	42.93
	C114	-742.29	71.83	-0.06	-0.52	-0.35	42.93
	C115	-576.26	52.94	-0.89	-0.39	-0.30	31.64
	C116	-570.97	52.94	-0.79	-0.37	-0.30	31.64
	C201	-214.96	25.94	70.14	-5.80	2.48	15.42
	C202	-180.12	23.49	76.90	-6.30	2.74	13.95
	C203	-47.54	5.46	51.35	-4.13	1.86	3.21
	C204	-12.70	3.01	58.12	-4.63	2.12	1.75
	C205	-1324.10	115.63	-73.31	4.04	-3.19	69.00
	C206	-1289.25	113.18	-66.54	3.54	-2.93	67.53
	C207	-988.15	83.64	-58.29	3.30	-2.51	49.91
	C208	-953.30	81.19	-51.52	2.80	-2.25	48.44
	C209	-827.52	70.80	3.83	-2.00	-0.08	42.07
	C210	-820.38	70.80	3.97	-1.96	-0.08	42.08
	C211	-574.31	45.80	1.19	-1.32	-0.10	27.19
	C212	-567.17	45.79	1.32	-1.28	-0.10	27.20
	C213	-627.23	62.41	-0.79	-0.19	-0.35	37.35
	C214	-620.08	62.41	-0.66	-0.15	-0.36	37.36
	C215	-395.94	36.92	-1.78	0.02	-0.28	22.11
	C216	-388.80	36.91	-1.64	0.06	-0.28	22.11
	C301	-98.32	15.39	69.96	-5.63	2.52	9.13
	C302	-63.47	12.94	76.73	-6.13	2.78	7.66
	C303	69.10	-5.10	51.17	-3.96	1.90	-3.08
	C304	103.95	-7.55	57.94	-4.46	2.16	-4.55
	C305	-1207.46	105.08	-73.48	4.21	-3.15	62.71
	C306	-1172.61	102.63	-66.72	3.71	-2.89	61.24
	C307	-871.51	73.09	-58.46	3.47	-2.47	43.62
	C308	-836.66	70.64	-51.70	2.97	-2.21	42.15
	C309	-710.88	60.25	3.66	-1.83	-0.04	35.78
	C310	-703.73	60.25	3.79	-1.80	-0.04	35.79
	C311	-457.67	35.24	1.01	-1.15	-0.06	20.90
	C312	-450.52	35.24	1.15	-1.11	-0.06	20.91
	C313	-510.58	51.86	-0.97	-0.02	-0.32	31.06
	C314	-503.44	51.86	-0.83	0.01	-0.32	31.07
	C315	-279.30	26.36	-1.95	0.19	-0.24	15.81
	C316	-272.15	26.36	-1.82	0.22	-0.24	15.82

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2437

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
12-	20	12	DUM C101	-429.72	-38.24	28.01	3.28	-32.83	23.06
			C102	-402.18	-35.11	30.97	3.60	-36.28	21.17
			C103	-296.06	-28.91	19.70	2.16	-23.07	17.42
			C104	-268.52	-25.78	22.66	2.48	-26.51	15.53
			C105	-1320.82	-131.53	-35.14	-3.05	40.40	79.33
			C106	-1293.28	-128.40	-32.17	-2.73	36.96	77.44
			C107	-1050.52	-106.49	-28.53	-2.61	32.83	64.22
			C108	-1022.97	-103.36	-25.57	-2.28	29.39	62.33

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C109	-1047.93	-105.28	-1.30	0.09	0.99	63.39
	C110	-1031.19	-103.21	-1.21	0.11	0.90	62.15
	C111	-815.35	-84.18	-2.47	-0.20	2.50	50.69
	C112	-798.61	-82.10	-2.38	-0.18	2.41	49.44
	C113	-646.38	-59.57	-3.15	0.36	3.47	36.01
	C114	-629.64	-57.49	-3.06	0.39	3.38	34.77
	C115	-490.13	-47.59	-3.62	0.00	4.08	28.76
	C116	-473.39	-45.51	-3.53	0.02	3.99	27.51
	C201	-190.76	-13.45	39.05	4.36	-45.61	8.10
	C202	-153.58	-9.22	43.05	4.80	-50.26	5.55
	C203	-10.32	-0.85	27.83	2.85	-32.42	0.50
	C204	26.86	3.38	31.83	3.29	-37.07	-2.05
	C205	-1393.75	-139.39	-46.20	-4.19	53.26	84.07
	C206	-1356.57	-135.16	-42.20	-3.75	48.61	81.52
	C207	-1028.84	-105.59	-37.28	-3.58	43.04	63.68
	C208	-991.66	-101.36	-33.28	-3.14	38.39	61.12
	C209	-1025.35	-103.95	-0.51	0.05	0.06	62.56
	C210	-1002.74	-101.15	-0.39	0.08	-0.07	60.88
	C211	-711.37	-75.47	-2.10	-0.33	2.09	45.40
	C212	-688.77	-72.66	-1.98	-0.30	1.97	43.72
	C213	-483.25	-42.24	-3.02	0.43	3.40	25.60
	C214	-460.65	-39.43	-2.90	0.46	3.28	23.92
	C215	-272.33	-26.07	-3.65	-0.06	4.23	15.80
	C216	-249.72	-23.26	-3.53	-0.03	4.11	14.12
	C301	-71.88	-1.79	39.43	4.34	-46.00	1.07
	C302	-34.69	2.44	43.43	4.78	-50.65	-1.48
	C303	108.56	10.80	28.21	2.83	-32.81	-6.53
	C304	145.75	15.03	32.21	3.27	-37.46	-9.08
	C305	-1274.86	-127.73	-45.82	-4.21	52.87	77.04
	C306	-1237.68	-123.50	-41.82	-3.77	48.22	74.49
	C307	-909.95	-93.93	-36.90	-3.60	42.65	56.65
	C308	-872.77	-89.70	-32.90	-3.16	38.00	54.09
	C309	-906.46	-92.30	-0.13	0.03	-0.33	55.53
	C310	-883.86	-89.49	-0.01	0.06	-0.46	53.85
	C311	-592.48	-63.81	-1.72	-0.35	1.70	38.37
	C312	-569.88	-61.01	-1.60	-0.32	1.57	36.69
	C313	-364.37	-30.58	-2.64	0.41	3.01	18.57
	C314	-341.76	-27.78	-2.52	0.44	2.89	16.89
	C315	-153.44	-14.41	-3.27	-0.08	3.84	8.77
	C316	-130.84	-11.61	-3.15	-0.05	3.71	7.09
20	C101	-429.72	-38.24	28.01	3.28	0.78	-22.83
	C102	-402.18	-35.11	30.97	3.60	0.89	-20.96
	C103	-296.06	-28.91	19.70	2.16	0.57	-17.27
	C104	-268.52	-25.78	22.66	2.48	0.68	-15.40
	C105	-1320.82	-131.53	-35.14	-3.05	-1.76	-78.51
	C106	-1293.28	-128.40	-32.17	-2.73	-1.65	-76.64
	C107	-1050.52	-106.49	-28.53	-2.61	-1.40	-63.57
	C108	-1022.97	-103.36	-25.57	-2.28	-1.29	-61.70
	C109	-1047.93	-105.28	-1.30	0.09	-0.56	-62.95
	C110	-1031.19	-103.21	-1.21	0.11	-0.55	-61.70
	C111	-815.35	-84.18	-2.47	-0.20	-0.47	-50.33
	C112	-798.61	-82.10	-2.38	-0.18	-0.45	-49.08
	C113	-646.38	-59.57	-3.15	0.36	-0.31	-35.46
	C114	-629.64	-57.49	-3.06	0.39	-0.30	-34.22
	C115	-490.13	-47.59	-3.62	0.00	-0.26	-28.34
	C116	-473.39	-45.51	-3.53	0.02	-0.24	-27.10
	C201	-190.76	-13.45	39.05	4.36	1.25	-8.03
	C202	-153.58	-9.22	43.05	4.80	1.40	-5.51
	C203	-10.32	-0.85	27.83	2.85	0.97	-0.52
	C204	26.86	3.38	31.83	3.29	1.12	2.00
	C205	-1393.75	-139.39	-46.20	-4.19	-2.17	-83.20
	C206	-1356.57	-135.16	-42.20	-3.75	-2.03	-80.67
	C207	-1028.84	-105.59	-37.28	-3.58	-1.69	-63.03
	C208	-991.66	-101.36	-33.28	-3.14	-1.54	-60.50
	C209	-1025.35	-103.95	-0.51	0.05	-0.55	-62.19
	C210	-1002.74	-101.15	-0.39	0.08	-0.53	-60.50
	C211	-711.37	-75.47	-2.10	-0.33	-0.43	-45.16
	C212	-688.77	-72.66	-1.98	-0.30	-0.41	-43.47
	C213	-483.25	-42.24	-3.02	0.43	-0.22	-25.09
	C214	-460.65	-39.43	-2.90	0.46	-0.20	-23.40
	C215	-272.33	-26.07	-3.65	-0.06	-0.15	-15.48
	C216	-249.72	-23.26	-3.53	-0.03	-0.13	-13.79
	C301	-71.88	-1.79	39.43	4.34	1.31	-1.07
	C302	-34.69	2.44	43.43	4.78	1.46	1.45
	C303	108.56	10.80	28.21	2.83	1.04	6.44
	C304	145.75	15.03	32.21	3.27	1.19	8.96
	C305	-1274.86	-127.73	-45.82	-4.21	-2.11	-76.24
	C306	-1237.68	-123.50	-41.82	-3.77	-1.96	-73.71
	C307	-909.95	-93.93	-36.90	-3.60	-1.63	-56.07
	C308	-872.77	-89.70	-32.90	-3.16	-1.48	-53.54
	C309	-906.46	-92.30	-0.13	0.03	-0.49	-55.23
	C310	-883.86	-89.49	-0.01	0.06	-0.47	-53.55
	C311	-592.48	-63.81	-1.72	-0.35	-0.37	-38.20
	C312	-569.88	-61.01	-1.60	-0.32	-0.34	-36.52
	C313	-364.37	-30.58	-2.64	0.41	-0.16	-18.13
	C314	-341.76	-27.78	-2.52	0.44	-0.13	-16.45

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C315	-153.44	-14.41	-3.27	-0.08	-0.09	-8.52
		C316	-130.84	-11.61	-3.15	-0.05	-0.06	-6.83

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
13-	21	13	DUM	C101	-633.84	11.41	109.21	6.73	-45.72	-6.85
				C102	-628.63	10.14	118.35	7.26	-49.58	-6.07
				C103	-470.83	6.44	79.59	4.83	-33.33	-3.89
				C104	-465.62	5.16	88.73	5.36	-37.18	-3.11
				C105	-996.86	49.99	-77.16	-3.88	32.97	-30.15
				C106	-991.65	48.72	-68.01	-3.35	29.12	-29.38
				C107	-811.12	38.94	-61.35	-3.12	26.23	-23.51
				C108	-805.92	37.67	-52.21	-2.60	22.37	-22.74
				C109	-791.25	26.64	18.82	2.10	-7.65	-15.80
				C110	-793.35	27.00	19.41	2.10	-7.89	-16.04
				C111	-632.12	19.88	12.19	1.43	-4.91	-11.81
				C112	-634.21	20.24	12.78	1.42	-5.15	-12.05
				C113	-792.92	31.33	20.23	1.16	-8.08	-19.11
				C114	-795.02	31.69	20.82	1.15	-8.32	-19.35
				C115	-616.38	22.66	13.56	0.72	-5.38	-13.86
				C116	-618.48	23.02	14.15	0.72	-5.62	-14.10
				C201	-484.78	2.03	138.58	8.36	-58.17	-1.18
				C202	-477.75	0.31	150.93	9.08	-63.37	-0.13
				C203	-264.72	-4.68	98.60	5.80	-41.43	2.82
				C204	-257.69	-6.41	110.94	6.51	-46.64	3.86
				C205	-974.86	54.11	-113.01	-5.96	48.07	-32.64
				C206	-967.83	52.39	-100.67	-5.24	42.87	-31.60
				C207	-724.11	39.20	-91.68	-4.94	38.96	-23.68
				C208	-717.09	37.48	-79.33	-4.23	33.76	-22.63
				C209	-697.29	22.59	16.56	2.11	-6.77	-13.26
				C210	-700.11	23.07	17.35	2.10	-7.09	-13.59
				C211	-482.46	13.46	7.61	1.21	-3.08	-7.88
				C212	-485.28	13.95	8.41	1.20	-3.40	-8.20
				C213	-699.54	28.92	18.46	0.84	-7.35	-17.73
				C214	-702.37	29.40	19.26	0.83	-7.68	-18.05
				C215	-461.22	17.22	9.46	0.25	-3.70	-10.64
				C216	-464.04	17.71	10.26	0.24	-4.03	-10.97
				C301	-371.52	-2.05	135.88	8.14	-57.08	1.28
				C302	-364.50	-3.77	148.22	8.85	-62.29	2.33
				C303	-151.46	-8.77	95.90	5.57	-40.35	5.28
				C304	-144.44	-10.49	108.24	6.29	-45.55	6.32
				C305	-861.60	50.03	-115.71	-6.18	49.16	-30.18
				C306	-854.58	48.31	-103.37	-5.47	43.95	-29.14
				C307	-610.86	35.12	-94.38	-5.16	40.05	-21.22
				C308	-603.83	33.39	-82.03	-4.45	34.84	-20.17
				C309	-584.03	18.51	13.85	1.89	-5.68	-10.80
				C310	-586.86	18.99	14.65	1.88	-6.00	-11.12
				C311	-369.21	9.38	4.91	0.98	-1.99	-5.42
				C312	-372.03	9.87	5.70	0.98	-2.31	-5.74
				C313	-586.29	24.83	15.76	0.62	-6.27	-15.27
				C314	-589.12	25.32	16.56	0.61	-6.59	-15.59
				C315	-347.96	13.14	6.76	0.03	-2.62	-8.18
				C316	-350.79	13.62	7.55	0.02	-2.94	-8.50
	21			C101	-633.84	11.41	109.21	6.73	85.33	6.85
				C102	-628.63	10.14	118.35	7.26	92.44	6.09
				C103	-470.83	6.44	79.59	4.83	62.18	3.84
				C104	-465.62	5.16	88.73	5.36	69.30	3.08
				C105	-996.86	49.99	-77.16	-3.88	-59.61	29.84
				C106	-991.65	48.72	-68.01	-3.35	-52.50	29.08
				C107	-811.12	38.94	-61.35	-3.12	-47.40	23.22
				C108	-805.92	37.67	-52.21	-2.60	-40.28	22.46
				C109	-791.25	26.64	18.82	2.10	14.93	16.17
				C110	-793.35	27.00	19.41	2.10	15.40	16.36
				C111	-632.12	19.88	12.19	1.43	9.72	12.05
				C112	-634.21	20.24	12.78	1.42	10.18	12.24
				C113	-792.92	31.33	20.23	1.16	16.20	18.49
				C114	-795.02	31.69	20.82	1.15	16.67	18.68
				C115	-616.38	22.66	13.56	0.72	10.90	13.34
				C116	-618.48	23.02	14.15	0.72	11.37	13.53
				C201	-484.78	2.03	138.58	8.36	108.13	1.26
				C202	-477.75	0.31	150.93	9.08	117.74	0.24
				C203	-264.72	-4.68	98.60	5.80	76.89	-2.80
				C204	-257.69	-6.41	110.94	6.51	86.49	-3.83
				C205	-974.86	54.11	-113.01	-5.96	-87.54	32.29
				C206	-967.83	52.39	-100.67	-5.24	-77.93	31.27
				C207	-724.11	39.20	-91.68	-4.94	-71.05	23.36
				C208	-717.09	37.48	-79.33	-4.23	-61.44	22.34
				C209	-697.29	22.59	16.56	2.11	13.10	13.84

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C210	-700.11	23.07	17.35	2.10	13.73	14.10
C211	-482.46	13.46	7.61	1.21	6.06	8.28
C212	-485.28	13.95	8.41	1.20	6.69	8.54
C213	-699.54	28.92	18.46	0.84	14.81	16.97
C214	-702.37	29.40	19.26	0.83	15.44	17.23
C215	-461.22	17.22	9.46	0.25	7.65	10.02
C216	-464.04	17.71	10.26	0.24	8.28	10.28
C301	-371.52	-2.05	135.88	8.14	105.97	-1.18
C302	-364.50	-3.77	148.22	8.85	115.58	-2.20
C303	-151.46	-8.77	95.90	5.57	74.73	-5.24
C304	-144.44	-10.49	108.24	6.29	84.34	-6.26
C305	-861.60	50.03	-115.71	-6.18	-89.70	29.85
C306	-854.58	48.31	-103.37	-5.47	-80.09	28.83
C307	-610.86	35.12	-94.38	-5.16	-73.20	20.92
C308	-603.83	33.39	-82.03	-4.45	-63.60	19.90
C309	-584.03	18.51	13.85	1.89	10.95	11.40
C310	-586.86	18.99	14.65	1.88	11.58	11.66
C311	-369.21	9.38	4.91	0.98	3.90	5.84
C312	-372.03	9.87	5.70	0.98	4.53	6.10
C313	-586.29	24.83	15.76	0.62	12.65	14.53
C314	-589.12	25.32	16.56	0.61	13.28	14.79
C315	-347.96	13.14	6.76	0.03	5.50	7.58
C316	-350.79	13.62	7.55	0.02	6.13	7.84

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2439

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
14- 22	14	DUM	C101	-419.28	18.44	92.12	6.08	-39.08	-11.17
			C102	-393.43	18.15	101.86	6.67	-43.17	-11.00
			C103	-315.79	10.54	66.56	4.70	-28.26	-6.42
			C104	-289.93	10.26	76.30	5.28	-32.35	-6.26
			C105	-1205.83	36.30	-113.92	-6.66	47.31	-21.78
			C106	-1179.97	36.01	-104.18	-6.08	43.22	-21.61
			C107	-979.10	27.28	-91.48	-5.12	37.97	-16.38
			C108	-953.24	26.99	-81.74	-4.54	33.88	-16.22
			C109	-770.33	24.17	2.89	0.01	-1.59	-14.31
			C110	-772.08	24.55	2.61	0.04	-1.48	-14.55
			C111	-622.99	16.85	-1.27	0.05	0.22	-9.97
			C112	-624.74	17.22	-1.55	0.08	0.33	-10.22
			C113	-790.04	28.00	-15.03	-0.01	5.79	-17.09
			C114	-791.79	28.37	-15.30	0.01	5.90	-17.34
			C115	-619.53	19.04	-13.87	0.10	5.41	-11.66
			C116	-621.28	19.42	-14.15	0.12	5.51	-11.91
			C201	-199.69	13.04	127.74	8.19	-53.96	-7.94
			C202	-164.78	12.65	140.89	8.98	-59.48	-7.72
			C203	-59.97	2.39	93.24	6.33	-39.36	-1.54
			C204	-25.06	2.00	106.39	7.11	-44.88	-1.31
			C205	-1261.53	37.16	-150.41	-9.01	62.66	-22.27
			C206	-1226.62	36.77	-137.26	-8.22	57.14	-22.04
			C207	-955.44	24.98	-120.12	-6.93	50.06	-14.98
			C208	-920.53	24.59	-106.97	-6.15	44.53	-14.75
			C209	-673.60	20.79	7.28	0.00	-3.35	-12.18
			C210	-675.96	21.29	6.91	0.03	-3.20	-12.51
			C211	-474.69	10.90	1.67	0.05	-0.91	-6.33
			C212	-477.05	11.41	1.30	0.08	-0.77	-6.66
			C213	-700.21	25.95	-16.90	-0.04	6.61	-15.93
			C214	-702.57	26.46	-17.27	-0.00	6.75	-16.27
			C215	-470.02	13.86	-15.34	0.11	6.09	-8.60
			C216	-472.39	14.37	-15.71	0.15	6.24	-8.94
			C301	-87.82	9.43	128.78	8.19	-54.33	-5.77
			C302	-52.92	9.04	141.93	8.97	-59.85	-5.54
			C303	51.89	-1.23	94.27	6.32	-39.73	0.64
			C304	86.80	-1.62	107.42	7.11	-45.25	0.87
			C305	-1149.67	33.54	-149.38	-9.01	62.29	-20.09
			C306	-1114.76	33.15	-136.23	-8.23	56.77	-19.86
			C307	-843.58	21.37	-119.08	-6.94	49.69	-12.80
			C308	-808.67	20.98	-105.94	-6.15	44.17	-12.58
			C309	-561.74	17.17	8.31	-0.00	-3.72	-10.00
			C310	-564.10	17.68	7.94	0.03	-3.57	-10.33
			C311	-362.83	7.28	2.70	0.05	-1.28	-4.15
			C312	-365.19	7.79	2.33	0.08	-1.14	-4.48
			C313	-588.35	22.33	-15.87	-0.04	6.24	-13.75
			C314	-590.71	22.84	-16.24	-0.01	6.38	-14.09
			C315	-358.16	10.25	-14.31	0.11	5.72	-6.42
			C316	-360.53	10.75	-14.68	0.14	5.87	-6.76
	22		C101	-419.28	18.44	92.12	6.08	71.46	10.95
			C102	-393.43	18.15	101.86	6.67	79.06	10.77
			C103	-315.79	10.54	66.56	4.70	51.61	6.23
			C104	-289.93	10.26	76.30	5.28	59.21	6.05

C105	-1205.83	36.30	-113.92	-6.66	-89.40	21.78
C106	-1179.97	36.01	-104.18	-6.08	-81.80	21.60
C107	-979.10	27.28	-91.48	-5.12	-71.81	16.35
C108	-953.24	26.99	-81.74	-4.54	-64.21	16.17
C109	-770.33	24.17	2.89	0.01	1.88	14.70
C110	-772.08	24.55	2.61	0.04	1.65	14.90
C111	-622.99	16.85	-1.27	0.05	-1.31	10.24
C112	-624.74	17.22	-1.55	0.08	-1.53	10.45
C113	-790.04	28.00	-15.03	-0.01	-12.24	16.51
C114	-791.79	28.37	-15.30	0.01	-12.46	16.71
C115	-619.53	19.04	-13.87	0.10	-11.24	11.19
C116	-621.28	19.42	-14.15	0.12	-11.46	11.40
C201	-199.69	13.04	127.74	8.19	99.33	7.71
C202	-164.78	12.65	140.89	8.98	109.59	7.47
C203	-59.97	2.39	93.24	6.33	72.53	1.33
C204	-25.06	2.00	106.39	7.11	82.78	1.09
C205	-1261.53	37.16	-150.41	-9.01	-117.83	22.32
C206	-1226.62	36.77	-137.26	-8.22	-107.57	22.08
C207	-955.44	24.98	-120.12	-6.93	-94.09	15.00
C208	-920.53	24.59	-106.97	-6.15	-83.83	14.76
C209	-673.60	20.79	7.28	0.00	5.39	12.77
C210	-675.96	21.29	6.91	0.03	5.09	13.04
C211	-474.69	10.90	1.67	0.05	1.09	6.75
C212	-477.05	11.41	1.30	0.08	0.79	7.03
C213	-700.21	25.95	-16.90	-0.04	-13.67	15.21
C214	-702.57	26.46	-17.27	-0.00	-13.97	15.48
C215	-470.02	13.86	-15.34	0.11	-12.32	8.03
C216	-472.39	14.37	-15.71	0.15	-12.62	8.31
C301	-87.82	9.43	128.78	8.19	100.20	5.55
C302	-52.92	9.04	141.93	8.97	110.46	5.31
C303	51.89	-1.23	94.27	6.32	73.40	-0.83
C304	86.80	-1.62	107.42	7.11	83.66	-1.07
C305	-1149.67	33.54	-149.38	-9.01	-116.96	20.16
C306	-1114.76	33.15	-136.23	-8.23	-106.70	19.92
C307	-843.58	21.37	-119.08	-6.94	-93.21	12.83
C308	-808.67	20.98	-105.94	-6.15	-82.96	12.60
C309	-561.74	17.17	8.31	-0.00	6.26	10.61
C310	-564.10	17.68	7.94	0.03	5.96	10.88
C311	-362.83	7.28	2.70	0.05	1.96	4.59
C312	-365.19	7.79	2.33	0.08	1.66	4.86
C313	-588.35	22.33	-15.87	-0.04	-12.80	13.05
C314	-590.71	22.84	-16.24	-0.01	-13.10	13.32
C315	-358.16	10.25	-14.31	0.11	-11.45	5.87
C316	-360.53	10.75	-14.68	0.14	-11.75	6.15

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2440

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
15- 23	15	DUM	C101	-618.09	-33.99	82.09	0.07	-33.46	20.57
			C102	-612.03	-34.84	88.93	0.12	-36.27	21.09
			C103	-416.74	-25.77	57.35	0.07	-23.39	15.56
			C104	-410.69	-26.62	64.19	0.12	-26.20	16.08
			C105	-1084.38	-25.92	-52.40	-1.02	21.99	15.65
			C106	-1078.33	-26.77	-45.56	-0.97	19.18	16.16
			C107	-849.18	-21.62	-43.46	-0.81	18.22	13.02
			C108	-843.13	-22.46	-36.62	-0.76	15.40	13.54
			C109	-1120.57	-42.85	30.68	-0.45	-12.11	26.15
			C110	-1097.68	-41.74	29.99	-0.44	-11.84	25.46
			C111	-851.01	-34.05	19.89	-0.36	-7.80	20.74
			C112	-828.12	-32.94	19.20	-0.35	-7.53	20.05
			C113	-549.64	-17.60	4.76	-0.43	-1.73	10.42
			C114	-526.75	-16.49	4.07	-0.42	-1.46	9.73
			C115	-399.02	-14.35	0.34	-0.33	0.02	8.48
			C116	-376.13	-13.25	-0.35	-0.32	0.29	7.79
			C201	-455.36	-31.97	103.36	0.30	-42.27	19.36
			C202	-447.19	-33.11	112.60	0.37	-46.07	20.06
			C203	-183.55	-20.87	69.96	0.29	-28.67	12.60
			C204	-175.38	-22.01	79.20	0.36	-32.47	13.30
			C205	-1084.86	-21.07	-78.19	-1.17	32.59	12.71
			C206	-1076.69	-22.21	-68.96	-1.10	28.79	13.41
			C207	-767.34	-15.26	-66.13	-0.90	27.49	9.17
			C208	-759.17	-16.41	-56.89	-0.83	23.70	9.87
			C209	-1133.71	-43.93	33.97	-0.40	-13.45	26.89
			C210	-1102.82	-42.43	33.03	-0.39	-13.08	25.96
			C211	-769.81	-32.04	19.40	-0.28	-7.63	19.59
			C212	-738.91	-30.55	18.46	-0.27	-7.26	18.66
			C213	-362.95	-9.84	-1.02	-0.37	0.56	5.66
			C214	-332.06	-8.35	-1.96	-0.37	0.93	4.73
			C215	-159.62	-5.46	-6.99	-0.24	2.92	3.04

	C216	-128.72	-3.96	-7.93	-0.23	3.29	2.11
	C301	-339.62	-27.72	101.09	0.36	-41.38	16.80
	C302	-331.45	-28.86	110.32	0.43	-45.18	17.50
	C303	-67.81	-16.62	67.69	0.36	-27.79	10.03
	C304	-59.64	-17.76	76.92	0.42	-31.58	10.73
	C305	-969.12	-16.82	-80.47	-1.11	33.48	10.14
	C306	-960.95	-17.96	-71.23	-1.04	29.68	10.84
	C307	-651.60	-11.01	-68.40	-0.83	28.38	6.60
	C308	-643.43	-12.15	-59.17	-0.77	24.58	7.30
	C309	-1017.97	-39.68	31.69	-0.34	-12.56	24.32
	C310	-987.08	-38.18	30.75	-0.33	-12.19	23.39
	C311	-654.06	-27.79	17.13	-0.22	-6.75	17.02
	C312	-623.17	-26.30	16.19	-0.21	-6.38	16.09
	C313	-247.21	-5.59	-3.30	-0.31	1.45	3.09
	C314	-216.32	-4.10	-4.24	-0.31	1.82	2.16
	C315	-43.87	-1.21	-9.27	-0.18	3.81	0.47
	C316	-12.98	0.29	-10.21	-0.17	4.18	-0.46
23	C101	-618.09	-33.99	82.09	0.07	65.04	-20.21
	C102	-612.03	-34.84	88.93	0.12	70.44	-20.71
	C103	-416.74	-25.77	57.35	0.07	45.43	-15.36
	C104	-410.69	-26.62	64.19	0.12	50.82	-15.86
	C105	-1084.38	-25.92	-52.40	-1.02	-40.88	-15.45
	C106	-1078.33	-26.77	-45.56	-0.97	-35.49	-15.95
	C107	-849.18	-21.62	-43.46	-0.81	-33.94	-12.91
	C108	-843.13	-22.46	-36.62	-0.76	-28.54	-13.41
	C109	-1120.57	-42.85	30.68	-0.45	24.71	-25.27
	C110	-1097.68	-41.74	29.99	-0.44	24.15	-24.63
	C111	-851.01	-34.05	19.89	-0.36	16.07	-20.11
	C112	-828.12	-32.94	19.20	-0.35	15.51	-19.47
	C113	-549.64	-17.60	4.76	-0.43	3.98	-10.70
	C114	-526.75	-16.49	4.07	-0.42	3.42	-10.06
	C115	-399.02	-14.35	0.34	-0.33	0.43	-8.74
	C116	-376.13	-13.25	-0.35	-0.32	-0.13	-8.10
	C201	-455.36	-31.97	103.36	0.30	81.77	-19.00
	C202	-447.19	-33.11	112.60	0.37	89.05	-19.67
	C203	-183.55	-20.87	69.96	0.29	55.28	-12.44
	C204	-175.38	-22.01	79.20	0.36	62.57	-13.12
	C205	-1084.86	-21.07	-78.19	-1.17	-61.24	-12.57
	C206	-1076.69	-22.21	-68.96	-1.10	-53.95	-13.24
	C207	-767.34	-15.26	-66.13	-0.90	-51.86	-9.14
	C208	-759.17	-16.41	-56.89	-0.83	-44.57	-9.81
	C209	-1133.71	-43.93	33.97	-0.40	27.31	-25.83
	C210	-1102.82	-42.43	33.03	-0.39	26.55	-24.96
	C211	-769.81	-32.04	19.40	-0.28	15.65	-18.86
	C212	-738.91	-30.55	18.46	-0.27	14.89	-18.00
	C213	-362.95	-9.84	-1.02	-0.37	-0.67	-6.15
	C214	-332.06	-8.35	-1.96	-0.37	-1.42	-5.29
	C215	-159.62	-5.46	-6.99	-0.24	-5.47	-3.51
	C216	-128.72	-3.96	-7.93	-0.23	-6.22	-2.65
	C301	-339.62	-27.72	101.09	0.36	79.92	-16.46
	C302	-331.45	-28.86	110.32	0.43	87.20	-17.14
	C303	-67.81	-16.62	67.69	0.36	53.44	-9.91
	C304	-59.64	-17.76	76.92	0.42	60.72	-10.58
	C305	-969.12	-16.82	-80.47	-1.11	-63.08	-10.04
	C306	-960.95	-17.96	-71.23	-1.04	-55.80	-10.71
	C307	-651.60	-11.01	-68.40	-0.83	-53.70	-6.61
	C308	-643.43	-12.15	-59.17	-0.77	-46.42	-7.28
	C309	-1017.97	-39.68	31.69	-0.34	25.47	-23.29
	C310	-987.08	-38.18	30.75	-0.33	24.71	-22.43
	C311	-654.06	-27.79	17.13	-0.22	13.80	-16.33
	C312	-623.17	-26.30	16.19	-0.21	13.05	-15.47
	C313	-247.21	-5.59	-3.30	-0.31	-2.51	-3.62
	C314	-216.32	-4.10	-4.24	-0.31	-3.27	-2.76
	C315	-43.87	-1.21	-9.27	-0.18	-7.31	-0.98
	C316	-12.98	0.29	-10.21	-0.17	-8.07	-0.11

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2441

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
16- 24	16	DUM	C101	-416.00	-12.30	64.54	1.56	-26.54	7.36
			C102	-389.70	-10.72	72.01	1.59	-29.59	6.41
			C103	-273.01	-11.12	47.47	1.37	-19.46	6.64
			C104	-246.70	-9.55	54.94	1.40	-22.52	5.68
			C105	-1297.54	-54.34	-98.34	1.25	39.98	32.93
			C106	-1271.23	-52.77	-90.88	1.28	36.92	31.98
			C107	-1022.15	-45.17	-78.30	1.17	31.87	27.35
			C108	-995.84	-43.59	-70.83	1.20	28.81	26.39
			C109	-1108.32	-44.09	-20.17	1.45	7.94	26.89
			C110	-1085.10	-42.94	-19.24	1.45	7.57	26.18

	C111	-850.33	-36.67	-17.56	1.32	6.99	22.33
	C112	-827.11	-35.52	-16.62	1.31	6.61	21.61
	C113	-555.08	-20.96	-6.76	1.36	2.69	12.45
	C114	-531.86	-19.81	-5.83	1.36	2.32	11.74
	C115	-410.37	-18.42	-6.52	1.24	2.66	10.95
	C116	-387.16	-17.27	-5.58	1.23	2.29	10.23
	C201	-182.85	-1.36	93.43	1.42	-38.33	0.73
	C202	-147.34	0.77	103.52	1.47	-42.45	-0.56
	C203	10.19	0.23	70.39	1.17	-28.77	-0.25
	C204	45.70	2.36	80.47	1.21	-32.90	-1.54
	C205	-1372.92	-58.12	-126.46	1.00	51.47	35.25
	C206	-1337.41	-55.99	-116.38	1.04	47.34	33.96
	C207	-1001.15	-45.73	-99.40	0.89	40.52	27.71
	C208	-965.64	-43.60	-89.32	0.93	36.39	26.42
	C209	-1117.48	-44.28	-20.93	1.27	8.22	27.09
	C210	-1086.13	-42.73	-19.67	1.27	7.72	26.13
	C211	-769.19	-34.26	-17.40	1.09	6.93	20.93
	C212	-737.84	-32.71	-16.14	1.09	6.43	19.96
	C213	-370.61	-13.05	-2.82	1.15	1.14	7.60
	C214	-339.26	-11.50	-1.56	1.15	0.63	6.63
	C215	-175.25	-9.62	-2.49	0.99	1.09	5.56
	C216	-143.91	-8.07	-1.23	0.98	0.59	4.60
	C301	-67.20	3.30	95.36	1.22	-39.09	-2.09
	C302	-31.69	5.42	105.44	1.26	-43.22	-3.38
	C303	125.84	4.89	72.31	0.96	-29.54	-3.06
	C304	161.35	7.01	82.40	1.00	-33.66	-4.35
	C305	-1257.27	-53.46	-124.53	0.79	50.70	32.44
	C306	-1221.76	-51.34	-114.45	0.83	46.58	31.15
	C307	-885.50	-41.07	-97.47	0.68	39.76	24.89
	C308	-849.99	-38.95	-87.39	0.72	35.63	23.60
	C309	-1001.83	-39.62	-19.01	1.06	7.46	24.28
	C310	-970.48	-38.07	-17.75	1.06	6.96	23.32
	C311	-653.54	-29.60	-15.47	0.88	6.17	18.12
	C312	-622.19	-28.05	-14.21	0.88	5.66	17.15
	C313	-254.96	-8.39	-0.89	0.94	0.37	4.79
	C314	-223.61	-6.84	0.37	0.94	-0.13	3.82
	C315	-59.61	-4.96	-0.57	0.78	0.32	2.75
	C316	-28.26	-3.41	0.69	0.77	-0.18	1.78
24	C101	-416.00	-12.30	64.54	1.56	50.91	-7.40
	C102	-389.70	-10.72	72.01	1.59	56.82	-6.46
	C103	-273.01	-11.12	47.47	1.37	37.50	-6.71
	C104	-246.70	-9.55	54.94	1.40	43.41	-5.77
	C105	-1297.54	-54.34	-98.34	1.25	-78.04	-32.28
	C106	-1271.23	-52.77	-90.88	1.28	-72.13	-31.34
	C107	-1022.15	-45.17	-78.30	1.17	-62.09	-26.85
	C108	-995.84	-43.59	-70.83	1.20	-56.19	-25.92
	C109	-1108.32	-44.09	-20.17	1.45	-16.27	-26.02
	C110	-1085.10	-42.94	-19.24	1.45	-15.52	-25.35
	C111	-850.33	-36.67	-17.56	1.32	-14.08	-21.68
	C112	-827.11	-35.52	-16.62	1.31	-13.33	-21.01
	C113	-555.08	-20.96	-6.76	1.36	-5.42	-12.70
	C114	-531.86	-19.81	-5.83	1.36	-4.67	-12.03
	C115	-410.37	-18.42	-6.52	1.24	-5.16	-11.16
	C116	-387.16	-17.27	-5.58	1.23	-4.41	-10.49
	C201	-182.85	-1.36	93.43	1.42	73.80	-0.90
	C202	-147.34	0.77	103.52	1.47	81.77	0.36
	C203	10.19	0.23	70.39	1.17	55.69	0.03
	C204	45.70	2.36	80.47	1.21	63.67	1.29
	C205	-1372.92	-58.12	-126.46	1.00	-100.28	-34.49
	C206	-1337.41	-55.99	-116.38	1.04	-92.31	-33.23
	C207	-1001.15	-45.73	-99.40	0.89	-78.76	-27.17
	C208	-965.64	-43.60	-89.32	0.93	-70.79	-25.91
	C209	-1117.48	-44.28	-20.93	1.27	-16.89	-26.04
	C210	-1086.13	-42.73	-19.67	1.27	-15.88	-25.15
	C211	-769.19	-34.26	-17.40	1.09	-13.95	-20.18
	C212	-737.84	-32.71	-16.14	1.09	-12.94	-19.29
	C213	-370.61	-13.05	-2.82	1.15	-2.25	-8.06
	C214	-339.26	-11.50	-1.56	1.15	-1.24	-7.16
	C215	-175.25	-9.62	-2.49	0.99	-1.90	-5.98
	C216	-143.91	-8.07	-1.23	0.98	-0.89	-5.08
	C301	-67.20	3.30	95.36	1.22	75.34	1.87
	C302	-31.69	5.42	105.44	1.26	83.32	3.13
	C303	125.84	4.89	72.31	0.96	57.24	2.80
	C304	161.35	7.01	82.40	1.00	65.21	4.06
	C305	-1257.27	-53.46	-124.53	0.79	-98.74	-31.72
	C306	-1221.76	-51.34	-114.45	0.83	-90.76	-30.46
	C307	-885.50	-41.07	-97.47	0.68	-77.21	-24.40
	C308	-849.99	-38.95	-87.39	0.72	-69.24	-23.14
	C309	-1001.83	-39.62	-19.01	1.06	-15.35	-23.27
	C310	-970.48	-38.07	-17.75	1.06	-14.34	-22.37
	C311	-653.54	-29.60	-15.47	0.88	-12.40	-17.41
	C312	-622.19	-28.05	-14.21	0.88	-11.39	-16.51
	C313	-254.96	-8.39	-0.89	0.94	-0.70	-5.29
	C314	-223.61	-6.84	0.37	0.94	0.31	-4.39
	C315	-59.61	-4.96	-0.57	0.78	-0.35	-3.20
	C316	-28.26	-3.41	0.69	0.77	0.66	-2.31

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2442

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
21-	26	21	DUM C101	-597.64	3.79	164.78	5.71	-65.21	-3.41
			C102	-590.81	2.45	169.00	6.09	-66.82	-2.38
			C103	-449.54	4.14	122.50	4.16	-48.49	-3.64
			C104	-442.71	2.80	126.72	4.54	-50.10	-2.62
			C105	-977.47	34.49	121.70	-1.66	-49.72	-26.97
			C106	-970.63	33.16	125.92	-1.28	-51.33	-25.94
			C107	-799.13	28.88	100.41	-1.29	-41.00	-22.64
			C108	-792.30	27.55	104.63	-0.91	-42.61	-21.62
			C109	-732.57	-2.41	138.58	1.60	-55.53	1.94
			C110	-737.14	-0.46	139.44	1.70	-55.87	0.39
			C111	-591.11	-0.07	109.94	1.15	-44.09	0.03
			C112	-595.68	1.89	110.80	1.25	-44.43	-1.52
			C113	-794.42	36.81	144.12	2.60	-57.80	-29.28
			C114	-799.00	38.77	144.98	2.69	-58.14	-30.83
			C115	-621.68	29.41	111.56	1.91	-44.77	-23.43
			C116	-626.26	31.36	112.42	2.01	-45.11	-24.98
			C201	-447.86	-3.61	156.26	6.72	-61.49	2.34
			C202	-438.63	-5.42	161.95	7.23	-63.66	3.73
			C203	-247.92	-3.14	99.17	4.63	-38.92	2.02
			C204	-238.70	-4.94	104.87	5.15	-41.09	3.41
			C205	-960.62	37.84	98.10	-3.23	-40.58	-29.47
			C206	-951.40	36.04	103.80	-2.71	-42.75	-28.08
			C207	-719.87	30.27	69.36	-2.73	-28.81	-23.63
			C208	-710.65	28.46	75.06	-2.22	-30.98	-22.24
			C209	-630.01	-11.98	120.88	1.18	-48.42	9.56
			C210	-636.19	-9.35	122.04	1.31	-48.89	7.47
			C211	-439.04	-8.82	82.22	0.57	-32.97	6.98
			C212	-445.21	-6.18	83.38	0.70	-33.43	4.89
			C213	-713.51	40.97	128.36	2.52	-51.49	-32.59
			C214	-719.68	43.61	129.52	2.65	-51.95	-34.68
			C215	-480.32	30.97	84.41	1.60	-33.89	-24.69
			C216	-486.49	33.61	85.57	1.73	-34.35	-26.78
			C301	-338.25	-6.28	136.04	6.42	-53.38	4.46
			C302	-329.03	-8.08	141.74	6.93	-55.55	5.85
			C303	-138.32	-5.80	78.96	4.33	-30.82	4.14
			C304	-129.09	-7.61	84.66	4.85	-32.99	5.53
			C305	-851.01	35.18	77.89	-3.53	-32.47	-27.35
			C306	-841.79	33.37	83.58	-3.01	-34.64	-25.96
			C307	-610.26	27.60	49.14	-3.03	-20.70	-21.51
			C308	-601.04	25.80	54.84	-2.52	-22.87	-20.12
			C309	-520.40	-14.65	100.67	0.88	-40.32	11.68
			C310	-526.58	-12.01	101.83	1.01	-40.78	9.59
			C311	-329.43	-11.48	62.01	0.27	-24.87	9.10
			C312	-335.61	-8.84	63.17	0.40	-25.33	7.01
			C313	-603.90	38.31	108.15	2.22	-43.38	-30.47
			C314	-610.08	40.95	109.31	2.35	-43.85	-32.56
			C315	-370.71	28.31	64.20	1.30	-25.79	-22.57
			C316	-376.89	30.94	65.36	1.42	-26.25	-24.66
	26		C101	-597.64	3.79	164.78	5.71	66.62	-0.38
			C102	-590.81	2.45	169.00	6.09	68.39	-0.42
			C103	-449.54	4.14	122.50	4.16	49.50	-0.33
			C104	-442.71	2.80	126.72	4.54	51.27	-0.38
			C105	-977.47	34.49	121.70	-1.66	47.64	0.63
			C106	-970.63	33.16	125.92	-1.28	49.41	0.58
			C107	-799.13	28.88	100.41	-1.29	39.33	0.46
			C108	-792.30	27.55	104.63	-0.91	41.10	0.42
			C109	-732.57	-2.41	138.58	1.60	55.33	0.01
			C110	-737.14	-0.46	139.44	1.70	55.68	0.03
			C111	-591.11	-0.07	109.94	1.15	43.87	-0.03
			C112	-595.68	1.89	110.80	1.25	44.21	-0.01
			C113	-794.42	36.81	144.12	2.60	57.49	0.17
			C114	-799.00	38.77	144.98	2.69	57.84	0.18
			C115	-621.68	29.41	111.56	1.91	44.48	0.09
			C116	-626.26	31.36	112.42	2.01	44.83	0.11
			C201	-447.86	-3.61	156.26	6.72	63.52	-0.55
			C202	-438.63	-5.42	161.95	7.23	65.91	-0.61
			C203	-247.92	-3.14	99.17	4.63	40.41	-0.49
			C204	-238.70	-4.94	104.87	5.15	42.80	-0.55
			C205	-960.62	37.84	98.10	-3.23	37.90	0.81
			C206	-951.40	36.04	103.80	-2.71	40.29	0.75
			C207	-719.87	30.27	69.36	-2.73	26.68	0.59
			C208	-710.65	28.46	75.06	-2.22	29.07	0.53
			C209	-630.01	-11.98	120.88	1.18	48.28	-0.02
			C210	-636.19	-9.35	122.04	1.31	48.75	-0.00
			C211	-439.04	-8.82	82.22	0.57	32.80	-0.07

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C212	-445.21	-6.18	83.38	0.70	33.27	-0.05
C213	-713.51	40.97	128.36	2.52	51.20	0.19
C214	-719.68	43.61	129.52	2.65	51.67	0.21
C215	-480.32	30.97	84.41	1.60	33.64	0.08
C216	-486.49	33.61	85.57	1.73	34.10	0.10
C301	-338.25	-6.28	136.04	6.42	55.45	-0.56
C302	-329.03	-8.08	141.74	6.93	57.84	-0.62
C303	-138.32	-5.80	78.96	4.33	32.35	-0.50
C304	-129.09	-7.61	84.66	4.85	34.74	-0.56
C305	-851.01	35.18	77.89	-3.53	29.84	0.80
C306	-841.79	33.37	83.58	-3.01	32.23	0.74
C307	-610.26	27.60	49.14	-3.03	18.61	0.58
C308	-601.04	25.80	54.84	-2.52	21.00	0.52
C309	-520.40	-14.65	100.67	0.88	40.21	-0.03
C310	-526.58	-12.01	101.83	1.01	40.68	-0.02
C311	-329.43	-11.48	62.01	0.27	24.74	-0.09
C312	-335.61	-8.84	63.17	0.40	25.20	-0.07
C313	-603.90	38.31	108.15	2.22	43.13	0.17
C314	-610.08	40.95	109.31	2.35	43.60	0.19
C315	-370.71	28.31	64.20	1.30	25.57	0.07
C316	-376.89	30.94	65.36	1.42	26.04	0.09

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2443

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
22- 27	22	DUM	C101	-429.88	18.60	-20.67	3.66	9.23	-14.60
			C102	-406.80	18.89	-11.06	4.13	5.47	-14.81
			C103	-328.37	14.19	-18.11	2.71	7.95	-11.23
			C104	-305.29	14.48	-8.51	3.19	4.19	-11.44
			C105	-1141.38	15.45	-260.34	-6.71	103.59	-12.53
			C106	-1118.30	15.73	-250.73	-6.23	99.82	-12.73
			C107	-931.02	13.14	-211.71	-5.35	84.26	-10.71
			C108	-907.94	13.43	-202.10	-4.87	80.49	-10.91
			C109	-716.38	-3.10	-123.70	-0.35	49.76	2.48
			C110	-720.68	-1.12	-124.33	-0.43	50.01	0.92
			C111	-584.20	-1.68	-102.95	-0.39	41.38	1.27
			C112	-588.50	0.30	-103.58	-0.47	41.64	-0.30
			C113	-792.42	34.71	-141.32	-2.09	56.73	-27.67
			C114	-796.73	36.69	-141.95	-2.17	56.98	-29.24
			C115	-624.43	26.82	-112.80	-1.66	45.26	-21.46
			C116	-628.74	28.80	-113.43	-1.74	45.51	-23.03
			C201	-224.82	17.21	34.81	5.54	-12.73	-13.40
			C202	-193.66	17.60	47.78	6.18	-17.81	-13.68
			C203	-87.80	11.25	38.25	4.26	-14.45	-8.85
			C204	-56.64	11.64	51.22	4.90	-19.54	-9.13
			C205	-1185.36	12.95	-288.75	-8.45	114.66	-10.60
			C206	-1154.20	13.33	-275.78	-7.81	109.57	-10.88
			C207	-901.37	9.84	-223.10	-6.62	88.55	-8.15
			C208	-870.21	10.22	-210.13	-5.97	83.47	-8.42
			C209	-611.60	-12.10	-104.28	0.13	41.98	9.67
			C210	-617.41	-9.42	-105.13	0.02	42.33	7.55
			C211	-433.16	-10.18	-76.28	0.07	30.68	8.03
			C212	-438.97	-7.51	-77.13	-0.03	31.02	5.91
			C213	-714.26	38.95	-128.07	-2.22	51.39	-31.04
			C214	-720.08	41.62	-128.92	-2.33	51.73	-33.16
			C215	-487.48	28.30	-89.57	-1.64	35.91	-22.66
			C216	-493.29	30.98	-90.42	-1.75	36.25	-24.78
			C301	-116.27	14.79	53.96	5.73	-20.42	-11.48
			C302	-85.11	15.18	66.92	6.37	-25.51	-11.75
			C303	20.76	8.84	57.40	4.45	-22.15	-6.93
			C304	51.91	9.23	70.37	5.09	-27.23	-7.20
			C305	-1076.81	10.53	-269.60	-8.27	106.96	-8.68
			C306	-1045.65	10.92	-256.63	-7.62	101.88	-8.95
			C307	-792.82	7.42	-203.96	-6.43	80.86	-6.22
			C308	-761.66	7.81	-190.99	-5.79	75.77	-6.49
			C309	-503.05	-14.51	-85.13	0.31	34.29	11.59
			C310	-508.86	-11.84	-85.98	0.20	34.63	9.48
			C311	-324.60	-12.59	-57.13	0.26	22.98	9.96
			C312	-330.42	-9.92	-57.98	0.15	23.33	7.84
			C313	-605.71	36.53	-108.92	-2.04	43.69	-29.11
			C314	-611.52	39.20	-109.77	-2.15	44.04	-31.23
			C315	-378.93	25.89	-70.42	-1.45	28.22	-20.73
			C316	-384.74	28.56	-71.27	-1.56	28.56	-22.85
	27		C101	-429.88	18.60	-20.67	3.66	-7.30	0.28
			C102	-406.80	18.89	-11.06	4.13	-3.38	0.30
			C103	-328.37	14.19	-18.11	2.71	-6.54	0.12
			C104	-305.29	14.48	-8.51	3.19	-2.62	0.15
			C105	-1141.38	15.45	-260.34	-6.71	-104.68	-0.17
			C106	-1118.30	15.73	-250.73	-6.23	-100.76	-0.15

C107	-931.02	13.14	-211.71	-5.35	-85.11	-0.20
C108	-907.94	13.43	-202.10	-4.87	-81.19	-0.17
C109	-716.38	-3.10	-123.70	-0.35	-49.20	0.00
C110	-720.68	-1.12	-124.33	-0.43	-49.45	0.02
C111	-584.20	-1.68	-102.95	-0.39	-40.98	-0.08
C112	-588.50	0.30	-103.58	-0.47	-41.23	-0.06
C113	-792.42	34.71	-141.32	-2.09	-56.33	0.09
C114	-796.73	36.69	-141.95	-2.17	-56.58	0.11
C115	-624.43	26.82	-112.80	-1.66	-44.98	-0.00
C116	-628.74	28.80	-113.43	-1.74	-45.23	0.01
C201	-224.82	17.21	34.81	5.54	15.12	0.36
C202	-193.66	17.60	47.78	6.18	20.41	0.40
C203	-87.80	11.25	38.25	4.26	16.15	0.15
C204	-56.64	11.64	51.22	4.90	21.44	0.18
C205	-1185.36	12.95	-288.75	-8.45	-116.34	-0.25
C206	-1154.20	13.33	-275.78	-7.81	-111.05	-0.21
C207	-901.37	9.84	-223.10	-6.62	-89.93	-0.28
C208	-870.21	10.22	-210.13	-5.97	-84.64	-0.24
C209	-611.60	-12.10	-104.28	0.13	-41.44	-0.01
C210	-617.41	-9.42	-105.13	0.02	-41.78	0.01
C211	-433.16	-10.18	-76.28	0.07	-30.35	-0.12
C212	-438.97	-7.51	-77.13	-0.03	-30.69	-0.10
C213	-714.26	38.95	-128.07	-2.22	-51.07	0.11
C214	-720.08	41.62	-128.92	-2.33	-51.41	0.14
C215	-487.48	28.30	-89.57	-1.64	-35.75	-0.02
C216	-493.29	30.98	-90.42	-1.75	-36.09	0.01
C301	-116.27	14.79	53.96	5.73	22.74	0.36
C302	-85.11	15.18	66.92	6.37	28.03	0.39
C303	20.76	8.84	57.40	4.45	23.77	0.14
C304	51.91	9.23	70.37	5.09	29.06	0.18
C305	-1076.81	10.53	-269.60	-8.27	-108.72	-0.25
C306	-1045.65	10.92	-256.63	-7.62	-103.43	-0.22
C307	-792.82	7.42	-203.96	-6.43	-82.30	-0.28
C308	-761.66	7.81	-190.99	-5.79	-77.01	-0.24
C309	-503.05	-14.51	-85.13	0.31	-33.82	-0.02
C310	-508.86	-11.84	-85.98	0.20	-34.15	0.01
C311	-324.60	-12.59	-57.13	0.26	-22.72	-0.12
C312	-330.42	-9.92	-57.98	0.15	-23.06	-0.10
C313	-605.71	36.53	-108.92	-2.04	-43.44	0.11
C314	-611.52	39.20	-109.77	-2.15	-43.78	0.13
C315	-378.93	25.89	-70.42	-1.45	-28.12	-0.02
C316	-384.74	28.56	-71.27	-1.56	-28.46	0.00

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2444

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
23- 28	23	DUM	C101	-571.29	-36.50	118.83	-2.55	-46.80	28.37
			C102	-562.66	-38.29	118.90	-2.63	-46.74	29.73
			C103	-378.41	-24.06	79.60	-1.83	-31.32	18.61
			C104	-369.78	-25.85	79.66	-1.92	-31.26	19.97
			C105	-1092.71	-12.63	180.83	-1.57	-73.47	10.70
			C106	-1084.08	-14.42	180.89	-1.66	-73.41	12.06
			C107	-852.42	-8.32	140.59	-1.24	-57.15	7.11
			C108	-843.79	-10.11	140.65	-1.33	-57.09	8.48
			C109	-1125.75	-55.42	203.36	-3.19	-81.51	43.97
			C110	-1100.55	-52.76	198.93	-3.08	-79.73	41.86
			C111	-851.90	-40.53	153.29	-2.46	-61.48	32.12
			C112	-826.69	-37.87	148.85	-2.34	-59.70	30.02
			C113	-506.11	3.72	91.86	-1.00	-36.91	-2.93
			C114	-480.90	6.39	87.42	-0.89	-35.13	-5.03
			C115	-363.04	4.95	65.44	-0.74	-26.33	-3.93
			C116	-337.83	7.61	61.00	-0.63	-24.55	-6.04
			C201	-402.16	-38.30	93.71	-2.50	-36.42	29.59
			C202	-390.51	-40.72	93.80	-2.61	-36.33	31.43
			C203	-141.77	-21.51	40.74	-1.53	-15.51	16.41
			C204	-130.12	-23.92	40.83	-1.64	-15.43	18.25
			C205	-1106.07	-6.07	177.41	-1.17	-72.42	5.74
			C206	-1094.41	-8.49	177.49	-1.29	-72.34	7.58
			C207	-781.68	-0.26	123.08	-0.74	-50.39	0.89
			C208	-770.03	-2.68	123.17	-0.85	-50.31	2.73
			C209	-1150.68	-63.85	207.83	-3.37	-83.27	50.64
			C210	-1116.65	-60.25	201.84	-3.22	-80.87	47.80
			C211	-780.97	-43.74	140.22	-2.37	-56.23	34.66
			C212	-746.94	-40.15	134.24	-2.22	-53.83	31.82
			C213	-314.16	16.00	57.30	-0.41	-23.06	-12.66
			C214	-280.13	19.60	51.31	-0.26	-20.66	-15.50
			C215	-121.01	17.66	21.63	-0.05	-8.78	-14.02
			C216	-86.98	21.25	15.64	0.10	-6.38	-16.86
			C301	-289.46	-34.95	73.34	-2.21	-28.24	26.93

	C302	-277.81	-37.37	73.43	-2.33	-28.16	28.77
	C303	-29.07	-18.15	20.37	-1.24	-7.34	13.76
	C304	-17.42	-20.57	20.46	-1.35	-7.26	15.60
	C305	-993.37	-2.72	157.04	-0.89	-64.25	3.08
	C306	-981.72	-5.14	157.12	-1.00	-64.17	4.92
	C307	-668.99	3.09	102.71	-0.45	-42.22	-1.77
	C308	-657.33	0.67	102.80	-0.56	-42.14	0.07
	C309	-1037.98	-60.49	187.46	-3.08	-75.10	47.98
	C310	-1003.95	-56.90	181.47	-2.93	-72.70	45.14
	C311	-668.27	-40.39	119.85	-2.08	-48.06	32.00
	C312	-634.24	-36.79	113.87	-1.93	-45.66	29.16
	C313	-201.46	19.35	36.93	-0.12	-14.89	-15.32
	C314	-167.43	22.95	30.94	0.03	-12.49	-18.16
	C315	-8.31	21.01	1.26	0.24	-0.61	-16.68
	C316	25.72	24.60	-4.73	0.39	1.79	-19.52
28	C101	-571.29	-36.50	118.83	-2.55	48.26	-0.83
	C102	-562.66	-38.29	118.90	-2.63	48.38	-0.90
	C103	-378.41	-24.06	79.60	-1.83	32.36	-0.64
	C104	-369.78	-25.85	79.66	-1.92	32.47	-0.71
	C105	-1092.71	-12.63	180.83	-1.57	71.19	0.60
	C106	-1084.08	-14.42	180.89	-1.66	71.30	0.53
	C107	-852.42	-8.32	140.59	-1.24	55.31	0.45
	C108	-843.79	-10.11	140.65	-1.33	55.43	0.38
	C109	-1125.75	-55.42	203.36	-3.19	81.18	-0.37
	C110	-1100.55	-52.76	198.93	-3.08	79.41	-0.35
	C111	-851.90	-40.53	153.29	-2.46	61.15	-0.30
	C112	-826.69	-37.87	148.85	-2.34	59.38	-0.28
	C113	-506.11	3.72	91.86	-1.00	36.58	0.05
	C114	-480.90	6.39	87.42	-0.89	34.81	0.08
	C115	-363.04	4.95	65.44	-0.74	26.02	0.03
	C116	-337.83	7.61	61.00	-0.63	24.25	0.05
	C201	-402.16	-38.30	93.71	-2.50	38.55	-1.05
	C202	-390.51	-40.72	93.80	-2.61	38.70	-1.14
	C203	-141.77	-21.51	40.74	-1.53	17.08	-0.79
	C204	-130.12	-23.92	40.83	-1.64	17.23	-0.88
	C205	-1106.07	-6.07	177.41	-1.17	69.50	0.88
	C206	-1094.41	-8.49	177.49	-1.29	69.65	0.78
	C207	-781.68	-0.26	123.08	-0.74	48.07	0.68
	C208	-770.03	-2.68	123.17	-0.85	48.22	0.59
	C209	-1150.68	-63.85	207.83	-3.37	82.99	-0.43
	C210	-1116.65	-60.25	201.84	-3.22	80.60	-0.40
	C211	-780.97	-43.74	140.22	-2.37	55.95	-0.33
	C212	-746.94	-40.15	134.24	-2.22	53.56	-0.30
	C213	-314.16	16.00	57.30	-0.41	22.78	0.14
	C214	-280.13	19.60	51.31	-0.26	20.39	0.17
	C215	-121.01	17.66	21.63	-0.05	8.52	0.11
	C216	-86.98	21.25	15.64	0.10	6.14	0.14
	C301	-289.46	-34.95	73.34	-2.21	30.43	-1.03
	C302	-277.81	-37.37	73.43	-2.33	30.58	-1.12
	C303	-29.07	-18.15	20.37	-1.24	8.96	-0.77
	C304	-17.42	-20.57	20.46	-1.35	9.11	-0.86
	C305	-993.37	-2.72	157.04	-0.89	61.38	0.90
	C306	-981.72	-5.14	157.12	-1.00	61.53	0.80
	C307	-668.99	3.09	102.71	-0.45	39.95	0.71
	C308	-657.33	0.67	102.80	-0.56	40.10	0.61
	C309	-1037.98	-60.49	187.46	-3.08	74.87	-0.41
	C310	-1003.95	-56.90	181.47	-2.93	72.48	-0.38
	C311	-668.27	-40.39	119.85	-2.08	47.83	-0.31
	C312	-634.24	-36.79	113.87	-1.93	45.44	-0.28
	C313	-201.46	19.35	36.93	-0.12	14.65	0.16
	C314	-167.43	22.95	30.94	0.03	12.27	0.20
	C315	-8.31	21.01	1.26	0.24	0.40	0.13
	C316	25.72	24.60	-4.73	0.39	-1.99	0.16

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2445

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
24- 29	24	DUM	C101	-428.14	4.78	-60.89	0.46	25.33	-3.37
			C102	-405.07	7.19	-55.08	0.32	23.09	-5.24
			C103	-276.53	4.97	-38.16	0.40	15.96	-3.71
			C104	-253.46	7.38	-32.35	0.25	13.72	-5.58
			C105	-1243.36	-58.51	-240.48	4.16	95.56	45.96
			C106	-1220.30	-56.10	-234.66	4.01	93.32	44.10
			C107	-974.74	-45.72	-188.99	3.38	75.09	35.85
			C108	-951.68	-43.31	-183.18	3.24	72.84	33.99
			C109	-1116.83	-54.04	-199.05	3.24	79.90	42.89
			C110	-1091.38	-51.30	-194.52	3.13	78.09	40.73
			C111	-851.21	-41.54	-152.33	2.63	61.12	32.89
			C112	-825.77	-38.81	-147.80	2.52	59.30	30.73

	C113	-509.79	1.44	-92.68	1.25	37.21	-1.18
	C114	-484.34	4.17	-88.15	1.14	35.40	-3.34
	C115	-370.93	1.44	-67.98	1.05	27.27	-1.24
	C116	-345.49	4.17	-63.45	0.94	25.45	-3.40
	C201	-209.21	17.95	-15.96	-0.42	7.61	-13.65
	C202	-178.08	21.20	-8.11	-0.61	4.58	-16.17
	C203	-4.54	18.20	14.72	-0.50	-5.04	-14.11
	C204	26.60	21.45	22.57	-0.69	-8.07	-16.63
	C205	-1309.76	-67.50	-258.40	4.58	102.42	52.95
	C206	-1278.63	-64.25	-250.55	4.39	99.39	50.43
	C207	-947.13	-50.23	-188.90	3.53	74.78	39.30
	C208	-916.00	-46.97	-181.05	3.34	71.75	36.78
	C209	-1138.95	-61.45	-202.48	3.34	81.28	48.80
	C210	-1104.59	-57.77	-196.36	3.19	78.83	45.88
	C211	-780.36	-44.59	-139.41	2.52	55.92	35.30
	C212	-746.01	-40.90	-133.29	2.37	53.47	32.39
	C213	-319.45	13.44	-58.88	0.65	23.64	-10.70
	C214	-285.09	17.13	-52.76	0.50	21.20	-13.61
	C215	-131.99	13.44	-25.53	0.38	10.22	-10.78
	C216	-97.63	17.12	-19.41	0.23	7.77	-13.70
	C301	-96.61	21.45	4.27	-0.73	-0.51	-16.43
	C302	-65.48	24.71	12.12	-0.92	-3.54	-18.95
	C303	108.06	21.71	34.95	-0.82	-13.16	-16.89
	C304	139.20	24.96	42.80	-1.01	-16.19	-19.41
	C305	-1197.16	-63.99	-238.17	4.26	94.30	50.17
	C306	-1166.03	-60.74	-230.32	4.07	91.27	47.65
	C307	-834.53	-46.72	-168.67	3.21	66.66	36.52
	C308	-803.39	-43.47	-160.82	3.02	63.63	34.00
	C309	-1026.34	-57.95	-182.25	3.03	73.16	46.02
	C310	-991.99	-54.26	-176.13	2.87	70.71	43.10
	C311	-667.76	-41.08	-119.18	2.21	47.80	32.52
	C312	-633.41	-37.39	-113.06	2.05	45.35	29.61
	C313	-206.84	16.95	-38.65	0.34	15.53	-13.47
	C314	-172.49	20.63	-32.54	0.18	13.08	-16.39
	C315	-19.39	16.95	-5.30	0.07	2.10	-13.56
	C316	14.97	20.63	0.82	-0.09	-0.34	-16.48
29	C101	-428.14	4.78	-60.89	0.46	-23.38	0.45
	C102	-405.07	7.19	-55.08	0.32	-20.97	0.52
	C103	-276.53	4.97	-38.16	0.40	-14.57	0.26
	C104	-253.46	7.38	-32.35	0.25	-12.16	0.32
	C105	-1243.36	-58.51	-240.48	4.16	-96.82	-0.85
	C106	-1220.30	-56.10	-234.66	4.01	-94.41	-0.78
	C107	-974.74	-45.72	-188.99	3.38	-76.11	-0.72
	C108	-951.68	-43.31	-183.18	3.24	-73.70	-0.66
	C109	-1116.83	-54.04	-199.05	3.24	-79.34	-0.34
	C110	-1091.38	-51.30	-194.52	3.13	-77.53	-0.31
	C111	-851.21	-41.54	-152.33	2.63	-60.75	-0.34
	C112	-825.77	-38.81	-147.80	2.52	-58.94	-0.31
	C113	-509.79	1.44	-92.68	1.25	-36.94	-0.03
	C114	-484.34	4.17	-88.15	1.14	-35.13	-0.00
	C115	-370.93	1.44	-67.98	1.05	-27.12	-0.09
	C116	-345.49	4.17	-63.45	0.94	-25.30	-0.07
	C201	-209.21	17.95	-15.96	-0.42	-5.15	0.70
	C202	-178.08	21.20	-8.11	-0.61	-1.91	0.79
	C203	-4.54	18.20	14.72	-0.50	6.74	0.45
	C204	26.60	21.45	22.57	-0.69	9.99	0.53
	C205	-1309.76	-67.50	-258.40	4.58	-104.30	-1.05
	C206	-1278.63	-64.25	-250.55	4.39	-101.05	-0.97
	C207	-947.13	-50.23	-188.90	3.53	-76.34	-0.89
	C208	-916.00	-46.97	-181.05	3.34	-73.09	-0.80
	C209	-1138.95	-61.45	-202.48	3.34	-80.70	-0.36
	C210	-1104.59	-57.77	-196.36	3.19	-78.26	-0.33
	C211	-780.36	-44.59	-139.41	2.52	-55.60	-0.37
	C212	-746.01	-40.90	-133.29	2.37	-53.16	-0.33
	C213	-319.45	13.44	-58.88	0.65	-23.46	0.05
	C214	-285.09	17.13	-52.76	0.50	-21.02	0.09
	C215	-131.99	13.44	-25.53	0.38	-10.20	-0.03
	C216	-97.63	17.12	-19.41	0.23	-7.75	0.00
	C301	-96.61	21.45	4.27	-0.73	2.91	0.73
	C302	-65.48	24.71	12.12	-0.92	6.16	0.82
	C303	108.06	21.71	34.95	-0.82	14.80	0.47
	C304	139.20	24.96	42.80	-1.01	18.05	0.56
	C305	-1197.16	-63.99	-238.17	4.26	-96.23	-1.02
	C306	-1166.03	-60.74	-230.32	4.07	-92.98	-0.94
	C307	-834.53	-46.72	-168.67	3.21	-68.27	-0.86
	C308	-803.39	-43.47	-160.82	3.02	-65.02	-0.78
	C309	-1026.34	-57.95	-182.25	3.03	-72.64	-0.34
	C310	-991.99	-54.26	-176.13	2.87	-70.20	-0.30
	C311	-667.76	-41.08	-119.18	2.21	-47.54	-0.34
	C312	-633.41	-37.39	-113.06	2.05	-45.10	-0.30
	C313	-206.84	16.95	-38.65	0.34	-15.40	0.08
	C314	-172.49	20.63	-32.54	0.18	-12.95	0.12
	C315	-19.39	16.95	-5.30	0.07	-2.14	-0.00
	C316	14.97	20.63	0.82	-0.09	0.31	0.03

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2446

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
25-	35	25	DUM	C101	-391.09	-0.03	150.03	1.71	-59.78	-0.51
				C102	-390.18	-0.20	155.00	1.85	-61.75	-0.50
				C103	-287.24	-1.85	111.14	1.33	-44.29	-0.48
				C104	-286.32	-2.02	116.11	1.47	-46.25	-0.47
				C105	-564.47	6.48	83.58	-1.16	-33.76	-0.76
				C106	-563.55	6.31	88.55	-1.03	-35.72	-0.75
				C107	-457.50	3.95	69.24	-0.86	-27.96	-0.70
				C108	-456.58	3.78	74.21	-0.73	-29.92	-0.68
				C109	-474.54	2.66	114.75	0.14	-45.93	0.45
				C110	-475.32	2.97	115.45	0.16	-46.21	0.35
				C111	-375.60	0.54	90.42	0.14	-36.20	0.25
				C112	-376.38	0.85	91.11	0.16	-36.48	0.15
				C113	-455.62	2.82	117.15	0.52	-46.90	-1.60
				C114	-456.40	3.12	117.84	0.54	-47.18	-1.70
				C115	-351.62	0.75	90.24	0.44	-36.13	-1.31
				C116	-352.41	1.05	90.94	0.46	-36.41	-1.41
				C201	-310.81	-1.15	148.33	2.15	-59.01	-0.39
				C202	-309.57	-1.37	155.04	2.33	-61.66	-0.37
				C203	-170.61	-3.60	95.82	1.64	-38.09	-0.34
				C204	-169.37	-3.83	102.53	1.82	-40.74	-0.33
				C205	-544.87	7.65	58.62	-1.74	-23.87	-0.72
				C206	-543.63	7.42	65.33	-1.55	-26.52	-0.70
				C207	-400.45	4.23	39.26	-1.33	-16.04	-0.63
				C208	-399.21	4.00	45.97	-1.15	-18.69	-0.62
				C209	-423.46	2.49	100.71	0.02	-40.31	0.92
				C210	-424.52	2.91	101.64	0.05	-40.68	0.78
				C211	-289.89	-0.36	67.86	0.03	-27.17	0.64
				C212	-290.95	0.05	68.79	0.06	-27.54	0.50
				C213	-397.92	2.70	103.93	0.53	-41.61	-1.85
				C214	-398.97	3.12	104.87	0.56	-41.99	-1.99
				C215	-257.53	-0.09	67.61	0.42	-27.08	-1.46
				C216	-258.59	0.32	68.55	0.45	-27.45	-1.59
				C301	-244.50	-1.48	131.78	2.10	-52.38	-0.29
				C302	-243.26	-1.71	138.49	2.28	-55.03	-0.27
				C303	-104.30	-3.94	79.27	1.59	-31.46	-0.25
				C304	-103.06	-4.17	85.98	1.77	-34.11	-0.23
				C305	-478.56	7.31	42.06	-1.79	-17.24	-0.62
				C306	-477.32	7.08	48.78	-1.60	-19.89	-0.61
				C307	-334.14	3.89	22.71	-1.38	-9.41	-0.54
				C308	-332.90	3.66	29.42	-1.20	-12.06	-0.52
				C309	-357.15	2.16	84.15	-0.03	-33.68	1.01
				C310	-358.21	2.57	85.09	0.00	-34.06	0.87
				C311	-223.58	-0.70	51.30	-0.02	-20.54	0.73
				C312	-224.64	-0.29	52.24	0.01	-20.92	0.60
				C313	-331.61	2.37	87.38	0.48	-34.98	-1.76
				C314	-332.66	2.78	88.32	0.51	-35.36	-1.89
				C315	-191.22	-0.43	51.06	0.37	-20.45	-1.36
				C316	-192.28	-0.01	52.00	0.40	-20.82	-1.50
	35			C101	-391.09	-0.03	150.03	1.71	60.24	-0.54
				C102	-390.18	-0.20	155.00	1.85	62.25	-0.66
				C103	-287.24	-1.85	111.14	1.33	44.62	-1.96
				C104	-286.32	-2.02	116.11	1.47	46.63	-2.09
				C105	-564.47	6.48	83.58	-1.16	33.10	4.43
				C106	-563.55	6.31	88.55	-1.03	35.12	4.30
				C107	-457.50	3.95	69.24	-0.86	27.43	2.46
				C108	-456.58	3.78	74.21	-0.73	29.45	2.34
				C109	-474.54	2.66	114.75	0.14	45.87	2.58
				C110	-475.32	2.97	115.45	0.16	46.15	2.73
				C111	-375.60	0.54	90.42	0.14	36.13	0.68
				C112	-376.38	0.85	91.11	0.16	36.41	0.83
				C113	-455.62	2.82	117.15	0.52	46.82	0.65
				C114	-456.40	3.12	117.84	0.54	47.09	0.80
				C115	-351.62	0.75	90.24	0.44	36.06	-0.71
				C116	-352.41	1.05	90.94	0.46	36.34	-0.56
				C201	-310.81	-1.15	148.33	2.15	59.66	-1.30
				C202	-309.57	-1.37	155.04	2.33	62.38	-1.47
				C203	-170.61	-3.60	95.82	1.64	38.57	-3.22
				C204	-169.37	-3.83	102.53	1.82	41.29	-3.39
				C205	-544.87	7.65	58.62	-1.74	23.02	5.40
				C206	-543.63	7.42	65.33	-1.55	25.74	5.24
				C207	-400.45	4.23	39.26	-1.33	15.37	2.75
				C208	-399.21	4.00	45.97	-1.15	18.09	2.58
				C209	-423.46	2.49	100.71	0.02	40.26	2.91
				C210	-424.52	2.91	101.64	0.05	40.63	3.11
				C211	-289.89	-0.36	67.86	0.03	27.12	0.35
				C212	-290.95	0.05	68.79	0.06	27.49	0.54
				C213	-397.92	2.70	103.93	0.53	41.54	0.31

C214	-398.97	3.12	104.87	0.56	41.91	0.51
C215	-257.53	-0.09	67.61	0.42	27.01	-1.53
C216	-258.59	0.32	68.55	0.45	27.39	-1.33
C301	-244.50	-1.48	131.78	2.10	53.04	-1.48
C302	-243.26	-1.71	138.49	2.28	55.76	-1.64
C303	-104.30	-3.94	79.27	1.59	31.95	-3.40
C304	-103.06	-4.17	85.98	1.77	34.67	-3.57
C305	-478.56	7.31	42.06	-1.79	16.41	5.23
C306	-477.32	7.08	48.78	-1.60	19.13	5.06
C307	-334.14	3.89	22.71	-1.38	8.75	2.57
C308	-332.90	3.66	29.42	-1.20	11.47	2.41
C309	-357.15	2.16	84.15	-0.03	33.64	2.74
C310	-358.21	2.57	85.09	0.00	34.02	2.93
C311	-223.58	-0.70	51.30	-0.02	20.50	0.17
C312	-224.64	-0.29	52.24	0.01	20.88	0.37
C313	-331.61	2.37	87.38	0.48	34.92	0.14
C314	-332.66	2.78	88.32	0.51	35.30	0.33
C315	-191.22	-0.43	51.06	0.37	20.40	-1.70
C316	-192.28	-0.01	52.00	0.40	20.77	-1.51

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2447

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
30- 36	30	DUM	C101	-435.75	-17.56	102.37	2.73	-40.50	1.46
			C102	-439.83	-18.94	103.00	3.05	-40.70	1.55
			C103	-291.76	-14.24	68.91	1.98	-27.25	0.90
			C104	-295.84	-15.62	69.54	2.30	-27.45	0.99
			C105	-560.17	11.68	141.04	-4.19	-57.00	0.27
			C106	-564.25	10.30	141.67	-3.87	-57.21	0.36
			C107	-433.09	8.32	109.51	-3.36	-44.28	0.10
			C108	-437.17	6.93	110.14	-3.04	-44.48	0.19
			C109	-693.92	-6.58	165.43	-0.44	-66.23	2.40
			C110	-677.87	-6.13	161.86	-0.43	-64.80	2.27
			C111	-520.29	-6.01	124.54	-0.45	-49.88	1.71
			C112	-504.24	-5.56	120.96	-0.44	-48.44	1.58
			C113	-291.64	-1.13	74.87	-0.70	-29.99	-0.53
			C114	-275.59	-0.68	71.29	-0.70	-28.56	-0.66
			C115	-204.36	-1.75	53.22	-0.61	-21.34	-0.54
			C116	-188.31	-1.30	49.65	-0.60	-19.90	-0.67
			C201	-366.34	-21.87	83.91	3.96	-32.94	1.60
			C202	-371.85	-23.74	84.76	4.40	-33.21	1.71
			C203	-171.95	-17.39	38.75	2.95	-15.04	0.84
			C204	-177.46	-19.26	39.60	3.39	-15.32	0.96
			C205	-534.31	17.60	136.12	-5.38	-55.21	-0.01
			C206	-539.82	15.73	136.97	-4.95	-55.49	0.11
			C207	-362.75	13.06	93.56	-4.26	-38.04	-0.24
			C208	-368.26	11.19	94.41	-3.82	-38.31	-0.13
			C209	-714.87	-7.05	169.05	-0.31	-67.67	2.87
			C210	-693.21	-6.45	164.23	-0.31	-65.73	2.69
			C211	-480.47	-6.28	113.84	-0.32	-45.59	1.93
			C212	-458.80	-5.68	109.01	-0.32	-43.66	1.75
			C213	-171.79	0.31	46.78	-0.67	-18.75	-1.10
			C214	-150.13	0.91	41.96	-0.66	-16.81	-1.27
			C215	-53.96	-0.52	17.56	-0.54	-7.06	-1.11
			C216	-32.30	0.08	12.74	-0.54	-5.13	-1.29
			C301	-298.57	-21.31	67.33	4.05	-26.30	1.48
			C302	-304.08	-23.18	68.18	4.48	-26.57	1.60
			C303	-104.19	-16.83	22.17	3.04	-8.40	0.72
			C304	-109.69	-18.70	23.02	3.47	-8.68	0.84
			C305	-466.55	18.16	119.54	-5.30	-48.58	-0.12
			C306	-472.05	16.29	120.39	-4.86	-48.85	-0.01
			C307	-294.99	13.62	76.98	-4.17	-31.40	-0.36
			C308	-300.50	11.75	77.83	-3.74	-31.67	-0.24
			C309	-647.11	-6.49	152.47	-0.22	-61.03	2.75
			C310	-625.44	-5.89	147.65	-0.22	-59.10	2.58
			C311	-412.70	-5.72	97.26	-0.24	-38.95	1.81
			C312	-391.04	-5.12	92.44	-0.23	-37.02	1.64
			C313	-104.03	0.87	30.21	-0.58	-12.11	-1.21
			C314	-82.36	1.47	25.38	-0.58	-10.18	-1.39
			C315	13.80	0.04	0.98	-0.46	-0.43	-1.23
			C316	35.46	0.64	-3.84	-0.45	1.51	-1.40
	36		C101	-435.75	-17.56	102.37	2.73	41.39	-12.58
			C102	-439.83	-18.94	103.00	3.05	41.69	-13.60
			C103	-291.76	-14.24	68.91	1.98	27.88	-10.49
			C104	-295.84	-15.62	69.54	2.30	28.19	-11.51
			C105	-560.17	11.68	141.04	-4.19	55.83	9.62
			C106	-564.25	10.30	141.67	-3.87	56.13	8.60
			C107	-433.09	8.32	109.51	-3.36	43.33	6.76
			C108	-437.17	6.93	110.14	-3.04	43.63	5.73

C109	-693.92	-6.58	165.43	-0.44	66.12	-2.86
C110	-677.87	-6.13	161.86	-0.43	64.69	-2.63
C111	-520.29	-6.01	124.54	-0.45	49.75	-3.10
C112	-504.24	-5.56	120.96	-0.44	48.33	-2.87
C113	-291.64	-1.13	74.87	-0.70	29.90	-1.44
C114	-275.59	-0.68	71.29	-0.70	28.48	-1.21
C115	-204.36	-1.75	53.22	-0.61	21.24	-1.94
C116	-188.31	-1.30	49.65	-0.60	19.81	-1.71
C201	-366.34	-21.87	83.91	3.96	34.19	-15.90
C202	-371.85	-23.74	84.76	4.40	34.60	-17.28
C203	-171.95	-17.39	38.75	2.95	15.95	-13.07
C204	-177.46	-19.26	39.60	3.39	16.36	-14.45
C205	-534.31	17.60	136.12	-5.38	53.68	14.08
C206	-539.82	15.73	136.97	-4.95	54.08	12.69
C207	-362.75	13.06	93.56	-4.26	36.81	10.21
C208	-368.26	11.19	94.41	-3.82	37.21	8.83
C209	-714.87	-7.05	169.05	-0.31	67.57	-2.78
C210	-693.21	-6.45	164.23	-0.31	65.65	-2.47
C211	-480.47	-6.28	113.84	-0.32	45.48	-3.10
C212	-458.80	-5.68	109.01	-0.32	43.55	-2.79
C213	-171.79	0.31	46.78	-0.67	18.68	-0.85
C214	-150.13	0.91	41.96	-0.66	16.75	-0.54
C215	-53.96	-0.52	17.56	-0.54	6.98	-1.53
C216	-32.30	0.08	12.74	-0.54	5.06	-1.22
C301	-298.57	-21.31	67.33	4.05	27.57	-15.56
C302	-304.08	-23.18	68.18	4.48	27.97	-16.94
C303	-104.19	-16.83	22.17	3.04	9.33	-12.74
C304	-109.69	-18.70	23.02	3.47	9.74	-14.12
C305	-466.55	18.16	119.54	-5.30	47.06	14.41
C306	-472.05	16.29	120.39	-4.86	47.46	13.03
C307	-294.99	13.62	76.98	-4.17	30.19	10.54
C308	-300.50	11.75	77.83	-3.74	30.59	9.16
C309	-647.11	-6.49	152.47	-0.22	60.95	-2.44
C310	-625.44	-5.89	147.65	-0.22	59.02	-2.13
C311	-412.70	-5.72	97.26	-0.24	38.85	-2.77
C312	-391.04	-5.12	92.44	-0.23	36.93	-2.46
C313	-104.03	0.87	30.21	-0.58	12.06	-0.52
C314	-82.36	1.47	25.38	-0.58	10.13	-0.21
C315	13.80	0.04	0.98	-0.46	0.36	-1.20
C316	35.46	0.64	-3.84	-0.45	-1.56	-0.89

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2448

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
31- 39	31	DUM	C101	-217.43	-3.46	-0.47	0.82	0.50	-0.27
			C102	-199.73	-3.75	8.89	0.96	-3.23	-0.24
			C103	-161.85	-4.93	-2.79	0.40	1.34	-0.26
			C104	-144.16	-5.22	6.57	0.54	-2.38	-0.24
			C105	-734.35	5.54	-227.26	-1.99	90.74	-0.70
			C106	-716.66	5.24	-217.90	-1.85	87.01	-0.67
			C107	-594.14	2.77	-184.57	-1.74	73.69	-0.62
			C108	-576.44	2.47	-175.21	-1.60	69.97	-0.60
			C109	-457.91	0.37	-99.23	-0.21	39.79	0.61
			C110	-458.42	0.67	-99.69	-0.22	39.97	0.51
			C111	-368.55	-1.68	-83.08	-0.37	33.30	0.40
			C112	-369.06	-1.37	-83.54	-0.39	33.48	0.30
			C113	-453.65	0.63	-114.15	-0.83	45.72	-1.44
			C114	-454.15	0.94	-114.60	-0.84	45.90	-1.54
			C115	-354.56	-1.40	-91.43	-0.82	36.61	-1.15
			C116	-355.06	-1.10	-91.88	-0.84	36.80	-1.25
			C201	-79.88	-4.65	49.91	1.39	-19.58	-0.13
			C202	-55.99	-5.04	62.55	1.57	-24.61	-0.10
			C203	-4.85	-6.63	46.78	0.82	-18.45	-0.12
			C204	19.04	-7.03	59.42	1.01	-23.47	-0.10
			C205	-777.73	7.49	-256.26	-2.41	102.24	-0.71
			C206	-753.84	7.10	-243.62	-2.22	97.22	-0.68
			C207	-588.43	3.75	-198.62	-2.07	79.23	-0.61
			C208	-564.55	3.36	-185.99	-1.88	74.21	-0.58
			C209	-404.53	0.52	-83.42	-0.00	33.46	1.06
			C210	-405.21	0.93	-84.03	-0.02	33.71	0.92
			C211	-283.90	-2.24	-61.62	-0.22	24.70	0.77
			C212	-284.58	-1.83	-62.23	-0.24	24.95	0.64
			C213	-398.77	0.88	-103.55	-0.84	41.47	-1.72
			C214	-399.46	1.29	-104.17	-0.86	41.71	-1.86
			C215	-265.00	-1.87	-72.88	-0.83	29.17	-1.33
			C216	-265.68	-1.46	-73.50	-0.86	29.42	-1.46
			C301	-14.64	-4.64	65.34	1.47	-25.77	-0.06
			C302	9.25	-5.04	77.98	1.66	-30.79	-0.03
			C303	60.38	-6.63	62.22	0.91	-24.63	-0.05

	C304	84.27	-7.02	74.85	1.09	-29.65	-0.03
	C305	-712.49	7.50	-240.83	-2.33	96.06	-0.64
	C306	-688.60	7.10	-228.19	-2.14	91.03	-0.61
	C307	-523.20	3.76	-183.19	-1.98	73.05	-0.54
	C308	-499.31	3.36	-170.55	-1.80	68.02	-0.51
	C309	-339.30	0.53	-67.98	0.08	27.28	1.13
	C310	-339.98	0.94	-68.60	0.06	27.52	0.99
	C311	-218.66	-2.24	-46.19	-0.13	18.52	0.84
	C312	-219.34	-1.83	-46.80	-0.16	18.77	0.71
	C313	-333.54	0.88	-88.12	-0.75	35.28	-1.65
	C314	-334.22	1.29	-88.73	-0.77	35.53	-1.79
	C315	-199.77	-1.86	-57.45	-0.75	22.99	-1.26
	C316	-200.45	-1.45	-58.07	-0.77	23.24	-1.39
39	C101	-217.43	-3.46	-0.47	0.82	0.12	-3.03
	C102	-199.73	-3.75	8.89	0.96	3.89	-3.24
	C103	-161.85	-4.93	-2.79	0.40	-0.89	-4.20
	C104	-144.16	-5.22	6.57	0.54	2.88	-4.42
	C105	-734.35	5.54	-227.26	-1.99	-91.08	3.73
	C106	-716.66	5.24	-217.90	-1.85	-87.31	3.52
	C107	-594.14	2.77	-184.57	-1.74	-73.96	1.60
	C108	-576.44	2.47	-175.21	-1.60	-70.19	1.38
	C109	-457.91	0.37	-99.23	-0.21	-39.60	0.91
	C110	-458.42	0.67	-99.69	-0.22	-39.78	1.05
	C111	-368.55	-1.68	-83.08	-0.37	-33.17	-0.94
	C112	-369.06	-1.37	-83.54	-0.39	-33.35	-0.79
	C113	-453.65	0.63	-114.15	-0.83	-45.60	-0.94
	C114	-454.15	0.94	-114.60	-0.84	-45.78	-0.79
	C115	-354.56	-1.40	-91.43	-0.82	-36.53	-2.27
	C116	-355.06	-1.10	-91.88	-0.84	-36.71	-2.13
	C201	-79.88	-4.65	49.91	1.39	20.34	-3.85
	C202	-55.99	-5.04	62.55	1.57	25.43	-4.14
	C203	-4.85	-6.63	46.78	0.82	18.98	-5.43
	C204	19.04	-7.03	59.42	1.01	24.07	-5.72
	C205	-777.73	7.49	-256.26	-2.41	-102.77	5.28
	C206	-753.84	7.10	-243.62	-2.22	-97.68	5.00
	C207	-588.43	3.75	-198.62	-2.07	-79.67	2.40
	C208	-564.55	3.36	-185.99	-1.88	-74.58	2.11
	C209	-404.53	0.52	-83.42	-0.00	-33.27	1.47
	C210	-405.21	0.93	-84.03	-0.02	-33.52	1.67
	C211	-283.90	-2.24	-61.62	-0.22	-24.59	-1.02
	C212	-284.58	-1.83	-62.23	-0.24	-24.84	-0.83
	C213	-398.77	0.88	-103.55	-0.84	-41.37	-1.02
	C214	-399.46	1.29	-104.17	-0.86	-41.62	-0.83
	C215	-265.00	-1.87	-72.88	-0.83	-29.13	-2.83
	C216	-265.68	-1.46	-73.50	-0.86	-29.38	-2.63
	C301	-14.64	-4.64	65.34	1.47	26.50	-3.78
	C302	9.25	-5.04	77.98	1.66	31.59	-4.06
	C303	60.38	-6.63	62.22	0.91	25.14	-5.36
	C304	84.27	-7.02	74.85	1.09	30.23	-5.64
	C305	-712.49	7.50	-240.83	-2.33	-96.61	5.36
	C306	-688.60	7.10	-228.19	-2.14	-91.52	5.07
	C307	-523.20	3.76	-183.19	-1.98	-73.50	2.47
	C308	-499.31	3.36	-170.55	-1.80	-68.42	2.18
	C309	-339.30	0.53	-67.98	0.08	-27.11	1.55
	C310	-339.98	0.94	-68.60	0.06	-27.36	1.74
	C311	-218.66	-2.24	-46.19	-0.13	-18.43	-0.95
	C312	-219.34	-1.83	-46.80	-0.16	-18.68	-0.76
	C313	-333.54	0.88	-88.12	-0.75	-35.21	-0.95
	C314	-334.22	1.29	-88.73	-0.77	-35.46	-0.75
	C315	-199.77	-1.86	-57.45	-0.75	-22.97	-2.75
	C316	-200.45	-1.45	-58.07	-0.77	-23.22	-2.56

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2449

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
32- 40	32	DUM	C101	-162.14	7.00	-43.78	3.22	18.03	-0.43
			C102	-138.91	8.16	-38.47	3.51	15.96	-0.53
			C103	-97.22	2.90	-26.99	2.19	11.17	-0.42
			C104	-74.00	4.06	-21.69	2.48	9.09	-0.53
			C105	-849.08	-16.53	-201.18	-2.50	80.05	2.42
			C106	-825.85	-15.37	-195.87	-2.21	77.97	2.31
			C107	-667.40	-14.75	-158.30	-2.10	62.97	1.86
			C108	-644.18	-13.59	-153.00	-1.81	60.90	1.75
			C109	-677.59	-6.17	-161.00	0.60	64.52	2.36
			C110	-661.09	-5.68	-157.33	0.61	63.05	2.23
			C111	-519.55	-7.05	-123.49	0.26	49.46	1.78
			C112	-503.05	-6.56	-119.82	0.27	47.99	1.64
			C113	-299.17	-2.95	-75.61	0.33	30.27	-0.40
			C114	-282.66	-2.46	-71.94	0.34	28.80	-0.54

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C115	-219.86	-4.30	-55.70	0.06	22.28	-0.36
	C116	-203.36	-3.81	-52.03	0.07	20.81	-0.49
	C201	2.72	11.82	-5.33	4.17	2.81	-0.99
	C202	34.07	13.39	1.83	4.55	0.01	-1.14
	C203	90.36	6.28	17.33	2.78	-6.46	-0.98
	C204	121.71	7.85	24.49	3.16	-9.26	-1.13
	C205	-924.65	-19.95	-217.82	-3.56	86.52	2.86
	C206	-893.30	-18.38	-210.66	-3.17	83.72	2.71
	C207	-679.38	-17.55	-159.94	-3.02	63.48	2.09
	C208	-648.03	-15.99	-152.78	-2.63	60.68	1.95
	C209	-693.15	-5.97	-163.58	0.63	65.56	2.77
	C210	-670.87	-5.30	-158.62	0.64	63.57	2.60
	C211	-479.79	-7.16	-112.94	0.17	45.24	1.99
	C212	-457.51	-6.50	-107.98	0.18	43.26	1.81
	C213	-182.27	-1.61	-48.31	0.27	19.32	-0.96
	C214	-159.99	-0.95	-43.35	0.28	17.34	-1.14
	C215	-75.20	-3.44	-21.43	-0.10	8.54	-0.89
	C216	-52.93	-2.78	-16.47	-0.09	6.56	-1.07
	C301	70.39	12.54	11.09	4.11	-3.77	-1.11
	C302	101.74	14.11	18.25	4.50	-6.57	-1.26
	C303	158.03	7.01	33.75	2.72	-13.03	-1.11
	C304	189.38	8.57	40.91	3.11	-15.84	-1.25
	C305	-856.98	-19.23	-201.40	-3.61	79.95	2.73
	C306	-825.63	-17.66	-194.24	-3.23	77.15	2.58
	C307	-611.72	-16.83	-143.52	-3.07	56.90	1.97
	C308	-580.37	-15.27	-136.36	-2.69	54.10	1.82
	C309	-625.48	-5.24	-147.16	0.57	58.98	2.65
	C310	-603.20	-4.58	-142.20	0.58	57.00	2.47
	C311	-412.12	-6.44	-96.52	0.11	38.66	1.86
	C312	-389.85	-5.77	-91.56	0.12	36.68	1.68
	C313	-114.60	-0.89	-31.89	0.21	12.75	-1.08
	C314	-92.32	-0.23	-26.93	0.22	10.76	-1.26
	C315	-7.54	-2.72	-5.01	-0.15	1.97	-1.02
	C316	14.74	-2.06	-0.05	-0.14	-0.02	-1.20
40	C101	-162.14	7.00	-43.78	3.22	-16.99	5.18
	C102	-138.91	8.16	-38.47	3.51	-14.82	6.00
	C103	-97.22	2.90	-26.99	2.19	-10.42	1.90
	C104	-74.00	4.06	-21.69	2.48	-8.26	2.72
	C105	-849.08	-16.53	-201.18	-2.50	-80.90	-10.80
	C106	-825.85	-15.37	-195.87	-2.21	-78.73	-9.98
	C107	-667.40	-14.75	-158.30	-2.10	-63.67	-9.95
	C108	-644.18	-13.59	-153.00	-1.81	-61.50	-9.13
	C109	-677.59	-6.17	-161.00	0.60	-64.28	-2.57
	C110	-661.09	-5.68	-157.33	0.61	-62.82	-2.32
	C111	-519.55	-7.05	-123.49	0.26	-49.33	-3.87
	C112	-503.05	-6.56	-119.82	0.27	-47.86	-3.61
	C113	-299.17	-2.95	-75.61	0.33	-30.22	-2.76
	C114	-282.66	-2.46	-71.94	0.34	-28.76	-2.50
	C115	-219.86	-4.30	-55.70	0.06	-22.28	-3.80
	C116	-203.36	-3.81	-52.03	0.07	-20.81	-3.54
	C201	2.72	11.82	-5.33	4.17	-1.45	8.47
	C202	34.07	13.39	1.83	4.55	1.47	9.57
	C203	90.36	6.28	17.33	2.78	7.41	4.05
	C204	121.71	7.85	24.49	3.16	10.33	5.15
	C205	-924.65	-19.95	-217.82	-3.56	-87.73	-13.10
	C206	-893.30	-18.38	-210.66	-3.17	-84.80	-11.99
	C207	-679.38	-17.55	-159.94	-3.02	-64.47	-11.95
	C208	-648.03	-15.99	-152.78	-2.63	-61.54	-10.84
	C209	-693.15	-5.97	-163.58	0.63	-65.30	-2.00
	C210	-670.87	-5.30	-158.62	0.64	-63.32	-1.65
	C211	-479.79	-7.16	-112.94	0.17	-45.11	-3.74
	C212	-457.51	-6.50	-107.98	0.18	-43.13	-3.39
	C213	-182.27	-1.61	-48.31	0.27	-19.32	-2.25
	C214	-159.99	-0.95	-43.35	0.28	-17.34	-1.90
	C215	-75.20	-3.44	-21.43	-0.10	-8.60	-3.65
	C216	-52.93	-2.78	-16.47	-0.09	-6.62	-3.30
	C301	70.39	12.54	11.09	4.11	5.11	8.92
	C302	101.74	14.11	18.25	4.50	8.03	10.02
	C303	158.03	7.01	33.75	2.72	13.96	4.50
	C304	189.38	8.57	40.91	3.11	16.89	5.60
	C305	-856.98	-19.23	-201.40	-3.61	-81.17	-12.65
	C306	-825.63	-17.66	-194.24	-3.23	-78.25	-11.54
	C307	-611.72	-16.83	-143.52	-3.07	-57.91	-11.50
	C308	-580.37	-15.27	-136.36	-2.69	-54.99	-10.39
	C309	-625.48	-5.24	-147.16	0.57	-58.74	-1.55
	C310	-603.20	-4.58	-142.20	0.58	-56.76	-1.20
	C311	-412.12	-6.44	-96.52	0.11	-38.55	-3.29
	C312	-389.85	-5.77	-91.56	0.12	-36.57	-2.94
	C313	-114.60	-0.89	-31.89	0.21	-12.76	-1.80
	C314	-92.32	-0.23	-26.93	0.22	-10.78	-1.45
	C315	-7.54	-2.72	-5.01	-0.15	-2.04	-3.20
	C316	14.74	-2.06	-0.05	-0.14	-0.06	-2.85

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2450

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
33- 37	33	DUM	C101	-495.39	-2.33	71.83	0.84	-28.68	-0.02
			C102	-481.63	-2.65	78.70	0.95	-31.42	-0.02
			C103	-390.19	-7.51	52.07	0.52	-20.79	0.11
			C104	-376.44	-7.82	58.94	0.63	-23.53	0.12
			C105	-978.44	14.90	-68.77	-1.45	27.46	-0.42
			C106	-964.69	14.58	-61.90	-1.34	24.72	-0.42
			C107	-810.85	7.72	-55.17	-1.22	22.03	-0.24
			C108	-797.09	7.40	-48.30	-1.11	19.29	-0.24
			C109	-606.50	31.09	7.56	-0.21	-3.02	-1.06
			C110	-616.06	29.30	7.68	-0.21	-3.06	-0.99
			C111	-508.15	19.19	3.64	-0.27	-1.45	-0.71
			C112	-517.72	17.39	3.75	-0.27	-1.49	-0.64
			C113	-813.34	-18.43	1.56	-0.30	-0.62	0.59
			C114	-822.90	-20.23	1.67	-0.30	-0.66	0.66
			C115	-649.12	-18.42	-0.45	-0.34	0.18	0.54
			C116	-658.69	-20.22	-0.33	-0.33	0.14	0.61
			C201	-331.14	-4.87	95.15	1.27	-37.99	0.05
			C202	-312.57	-5.29	104.43	1.42	-41.69	0.05
			C203	-189.13	-11.85	68.48	0.84	-27.34	0.23
			C204	-170.56	-12.28	77.75	0.98	-31.04	0.24
			C205	-983.26	18.39	-94.66	-1.82	37.80	-0.49
			C206	-964.69	17.97	-85.38	-1.67	34.09	-0.49
			C207	-757.00	8.70	-76.30	-1.51	30.47	-0.25
			C208	-738.44	8.27	-67.03	-1.37	26.77	-0.24
			C209	-481.13	40.26	8.39	-0.14	-3.35	-1.35
			C210	-494.05	37.83	8.55	-0.14	-3.41	-1.26
			C211	-348.36	24.19	3.09	-0.23	-1.23	-0.88
			C212	-361.28	21.76	3.25	-0.23	-1.29	-0.79
			C213	-760.37	-26.61	0.29	-0.27	-0.11	0.87
			C214	-773.28	-29.03	0.44	-0.27	-0.17	0.96
			C215	-538.67	-26.59	-2.42	-0.32	0.97	0.81
			C216	-551.59	-29.02	-2.27	-0.31	0.91	0.90
			C301	-228.04	-5.39	94.59	1.31	-37.77	0.07
			C302	-209.47	-5.82	103.87	1.46	-41.47	0.08
			C303	-86.03	-12.38	67.92	0.88	-27.12	0.25
			C304	-67.46	-12.80	77.20	1.02	-30.82	0.26
			C305	-880.16	17.87	-95.22	-1.77	38.02	-0.47
			C306	-861.60	17.44	-85.94	-1.63	34.32	-0.46
			C307	-653.91	8.18	-76.86	-1.47	30.69	-0.23
			C308	-635.34	7.75	-67.58	-1.33	26.99	-0.22
			C309	-378.04	39.73	7.84	-0.10	-3.13	-1.33
			C310	-390.95	37.31	7.99	-0.10	-3.19	-1.24
			C311	-245.27	23.66	2.54	-0.19	-1.01	-0.86
			C312	-258.18	21.23	2.69	-0.18	-1.07	-0.77
			C313	-657.27	-27.13	-0.27	-0.23	0.11	0.89
			C314	-670.19	-29.56	-0.12	-0.23	0.05	0.98
			C315	-435.58	-27.11	-2.98	-0.27	1.19	0.83
			C316	-448.49	-29.54	-2.83	-0.27	1.13	0.92
	37		C101	-495.39	-2.33	71.83	0.84	28.79	-1.89
			C102	-481.63	-2.65	78.70	0.95	31.54	-2.13
			C103	-390.19	-7.51	52.07	0.52	20.87	-5.89
			C104	-376.44	-7.82	58.94	0.63	23.62	-6.14
			C105	-978.44	14.90	-68.77	-1.45	-27.55	11.50
			C106	-964.69	14.58	-61.90	-1.34	-24.80	11.25
			C107	-810.85	7.72	-55.17	-1.22	-22.10	5.93
			C108	-797.09	7.40	-48.30	-1.11	-19.35	5.69
			C109	-606.50	31.09	7.56	-0.21	3.03	23.82
			C110	-616.06	29.30	7.68	-0.21	3.08	22.45
			C111	-508.15	19.19	3.64	-0.27	1.46	14.64
			C112	-517.72	17.39	3.75	-0.27	1.51	13.27
			C113	-813.34	-18.43	1.56	-0.30	0.63	-14.16
			C114	-822.90	-20.23	1.67	-0.30	0.67	-15.53
			C115	-649.12	-18.42	-0.45	-0.34	-0.18	-14.19
			C116	-658.69	-20.22	-0.33	-0.33	-0.13	-15.56
			C201	-331.14	-4.87	95.15	1.27	38.13	-3.85
			C202	-312.57	-5.29	104.43	1.42	41.85	-4.18
			C203	-189.13	-11.85	68.48	0.84	27.44	-9.25
			C204	-170.56	-12.28	77.75	0.98	31.16	-9.59
			C205	-983.26	18.39	-94.66	-1.82	-37.93	14.22
			C206	-964.69	17.97	-85.38	-1.67	-34.21	13.89
			C207	-757.00	8.70	-76.30	-1.51	-30.57	6.71
			C208	-738.44	8.27	-67.03	-1.37	-26.86	6.38
			C209	-481.13	40.26	8.39	-0.14	3.37	30.85
			C210	-494.05	37.83	8.55	-0.14	3.43	29.00
			C211	-348.36	24.19	3.09	-0.23	1.24	18.47
			C212	-361.28	21.76	3.25	-0.23	1.30	16.61
			C213	-760.37	-26.61	0.29	-0.27	0.12	-20.41
			C214	-773.28	-29.03	0.44	-0.27	0.18	-22.27
			C215	-538.67	-26.59	-2.42	-0.32	-0.97	-20.46

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C216	-551.59	-29.02	-2.27	-0.31	-0.91	-22.31
C301	-228.04	-5.39	94.59	1.31	37.91	-4.24
C302	-209.47	-5.82	103.87	1.46	41.63	-4.58
C303	-86.03	-12.38	67.92	0.88	27.22	-9.65
C304	-67.46	-12.80	77.20	1.02	30.94	-9.98
C305	-880.16	17.87	-95.22	-1.77	-38.15	13.83
C306	-861.60	17.44	-85.94	-1.63	-34.43	13.49
C307	-653.91	8.18	-76.86	-1.47	-30.80	6.31
C308	-635.34	7.75	-67.58	-1.33	-27.08	5.98
C309	-378.04	39.73	7.84	-0.10	3.14	30.46
C310	-390.95	37.31	7.99	-0.10	3.20	28.61
C311	-245.27	23.66	2.54	-0.19	1.02	18.07
C312	-258.18	21.23	2.69	-0.18	1.08	16.22
C313	-657.27	-27.13	-0.27	-0.23	-0.11	-20.81
C314	-670.19	-29.56	-0.12	-0.23	-0.04	-22.66
C315	-435.58	-27.11	-2.98	-0.27	-1.19	-20.86
C316	-448.49	-29.54	-2.83	-0.27	-1.13	-22.71

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2451

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
34- 38	34	DUM	C101	-474.38	-6.53	20.39	-3.50	-7.36	0.17
			C102	-459.07	-6.73	22.47	-3.83	-8.11	0.17
			C103	-313.02	-10.97	14.64	-2.52	-5.29	0.29
			C104	-297.71	-11.17	16.72	-2.85	-6.04	0.29
			C105	-1111.18	7.03	-20.63	3.41	7.41	-0.15
			C106	-1095.87	6.82	-18.55	3.08	6.65	-0.15
			C107	-871.05	1.06	-16.74	2.74	6.01	0.01
			C108	-855.74	0.86	-14.66	2.41	5.26	0.01
			C109	-1046.02	27.57	1.71	-0.33	-0.64	-1.05
			C110	-1023.86	25.58	1.74	-0.34	-0.65	-0.97
			C111	-796.03	15.98	0.52	-0.14	-0.21	-0.67
			C112	-773.87	14.00	0.56	-0.15	-0.22	-0.58
			C113	-501.24	-26.45	-0.11	-0.04	0.02	1.02
			C114	-479.08	-28.44	-0.07	-0.05	0.01	1.10
			C115	-364.79	-24.89	-0.72	0.05	0.24	0.90
			C116	-342.62	-26.88	-0.68	0.05	0.23	0.99
			C201	-289.27	-7.73	27.27	-4.65	-9.83	0.19
			C202	-268.60	-8.01	30.08	-5.09	-10.85	0.19
			C203	-71.43	-13.74	19.50	-3.34	-7.03	0.36
			C204	-50.76	-14.01	22.31	-3.78	-8.05	0.36
			C205	-1148.95	10.56	-28.11	4.68	10.10	-0.24
			C206	-1128.27	10.29	-25.30	4.24	9.08	-0.24
			C207	-824.77	2.51	-22.85	3.77	8.22	-0.03
			C208	-804.09	2.24	-20.05	3.32	7.20	-0.02
			C209	-1060.98	38.29	2.05	-0.38	-0.76	-1.46
			C210	-1031.06	35.61	2.09	-0.38	-0.77	-1.34
			C211	-723.49	22.66	0.44	-0.12	-0.18	-0.93
			C212	-693.57	19.97	0.49	-0.13	-0.19	-0.82
			C213	-325.52	-34.64	-0.40	0.01	0.13	1.34
			C214	-295.60	-37.32	-0.36	0.01	0.11	1.45
			C215	-141.31	-32.53	-1.22	0.14	0.43	1.19
			C216	-111.39	-35.21	-1.18	0.14	0.41	1.30
			C301	-182.05	-7.41	27.19	-4.63	-9.80	0.18
			C302	-161.37	-7.68	30.00	-5.07	-10.81	0.18
			C303	35.79	-13.41	19.42	-3.32	-7.00	0.35
			C304	56.46	-13.68	22.23	-3.76	-8.02	0.35
			C305	-1041.72	10.89	-28.19	4.70	10.13	-0.25
			C306	-1021.05	10.62	-25.38	4.26	9.12	-0.25
			C307	-717.54	2.84	-22.93	3.79	8.25	-0.04
			C308	-696.87	2.56	-20.13	3.34	7.23	-0.03
			C309	-953.76	38.62	1.97	-0.35	-0.73	-1.47
			C310	-923.84	35.94	2.02	-0.36	-0.74	-1.35
			C311	-616.27	22.99	0.37	-0.10	-0.14	-0.95
			C312	-586.35	20.30	0.41	-0.11	-0.16	-0.83
			C313	-218.30	-34.31	-0.48	0.04	0.16	1.32
			C314	-188.38	-36.99	-0.44	0.03	0.15	1.44
			C315	-34.09	-32.20	-1.30	0.17	0.46	1.17
			C316	-4.17	-34.88	-1.26	0.16	0.44	1.29
	38		C101	-474.38	-6.53	20.39	-3.50	8.96	-5.06
			C102	-459.07	-6.73	22.47	-3.83	9.87	-5.22
			C103	-313.02	-10.97	14.64	-2.52	6.42	-8.49
			C104	-297.71	-11.17	16.72	-2.85	7.33	-8.65
			C105	-1111.18	7.03	-20.63	3.41	-9.10	5.47
			C106	-1095.87	6.82	-18.55	3.08	-8.19	5.31
			C107	-871.05	1.06	-16.74	2.74	-7.38	0.85
			C108	-855.74	0.86	-14.66	2.41	-6.47	0.69
			C109	-1046.02	27.57	1.71	-0.33	0.73	21.00
			C110	-1023.86	25.58	1.74	-0.34	0.75	19.49

C111	-796.03	15.98	0.52	-0.14	0.21	12.12
C112	-773.87	14.00	0.56	-0.15	0.23	10.62
C113	-501.24	-26.45	-0.11	-0.04	-0.07	-20.15
C114	-479.08	-28.44	-0.07	-0.05	-0.05	-21.65
C115	-364.79	-24.89	-0.72	0.05	-0.33	-19.01
C116	-342.62	-26.88	-0.68	0.05	-0.32	-20.52
C201	-289.27	-7.73	27.27	-4.65	11.99	-6.00
C202	-268.60	-8.01	30.08	-5.09	13.22	-6.22
C203	-71.43	-13.74	19.50	-3.34	8.57	-10.63
C204	-50.76	-14.01	22.31	-3.78	9.80	-10.84
C205	-1148.95	10.56	-28.11	4.68	-12.38	8.21
C206	-1128.27	10.29	-25.30	4.24	-11.15	7.99
C207	-824.77	2.51	-22.85	3.77	-10.07	1.98
C208	-804.09	2.24	-20.05	3.32	-8.84	1.76
C209	-1060.98	38.29	2.05	-0.38	0.88	29.18
C210	-1031.06	35.61	2.09	-0.38	0.90	27.14
C211	-723.49	22.66	0.44	-0.12	0.18	17.19
C212	-693.57	19.97	0.49	-0.13	0.20	15.16
C213	-325.52	-34.64	-0.40	0.01	-0.19	-26.37
C214	-295.60	-37.32	-0.36	0.01	-0.17	-28.41
C215	-141.31	-32.53	-1.22	0.14	-0.55	-24.84
C216	-111.39	-35.21	-1.18	0.14	-0.53	-26.87
C301	-182.05	-7.41	27.19	-4.63	11.96	-5.75
C302	-161.37	-7.68	30.00	-5.07	13.19	-5.96
C303	35.79	-13.41	19.42	-3.32	8.54	-10.38
C304	56.46	-13.68	22.23	-3.76	9.77	-10.59
C305	-1041.72	10.89	-28.19	4.70	-12.42	8.46
C306	-1021.05	10.62	-25.38	4.26	-11.19	8.24
C307	-717.54	2.84	-22.93	3.79	-10.10	2.23
C308	-696.87	2.56	-20.13	3.34	-8.87	2.02
C309	-953.76	38.62	1.97	-0.35	0.85	29.43
C310	-923.84	35.94	2.02	-0.36	0.87	27.40
C311	-616.27	22.99	0.37	-0.10	0.15	17.44
C312	-586.35	20.30	0.41	-0.11	0.17	15.41
C313	-218.30	-34.31	-0.48	0.04	-0.22	-26.12
C314	-188.38	-36.99	-0.44	0.03	-0.20	-28.15
C315	-34.09	-32.20	-1.30	0.17	-0.58	-24.58
C316	-4.17	-34.88	-1.26	0.16	-0.56	-26.62

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2458

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
007- 107	007	DUM	C101	-1141.85	98.19	50.93	-1.81	-58.81	-59.31
			C102	-1167.67	100.01	55.89	-2.18	-64.57	-60.41
			C103	-889.49	74.11	40.10	-1.29	-46.31	-44.79
			C104	-915.30	75.94	45.06	-1.65	-52.07	-45.89
			C105	-561.75	56.47	-55.18	5.78	64.41	-34.20
			C106	-587.57	58.30	-50.22	5.41	58.65	-35.30
			C107	-433.60	40.96	-41.46	4.55	48.40	-24.83
			C108	-459.42	42.79	-36.50	4.18	42.64	-25.93
			C109	-945.84	82.11	-3.47	2.67	4.33	-49.75
			C110	-940.42	82.05	-2.82	2.58	3.57	-49.70
			C111	-749.12	62.62	-1.37	2.14	1.82	-37.96
			C112	-743.70	62.56	-0.71	2.05	1.06	-37.91
			C113	-746.20	69.99	3.85	0.94	-4.13	-42.22
			C114	-740.78	69.92	4.51	0.85	-4.89	-42.17
			C115	-576.67	51.37	4.53	0.79	-5.00	-31.01
			C116	-571.25	51.30	5.18	0.70	-5.76	-30.96
			C201	-1147.93	97.51	68.25	-3.27	-78.97	-58.88
			C202	-1182.78	99.98	74.95	-3.77	-86.75	-60.37
			C203	-807.24	65.01	53.63	-2.57	-62.09	-39.27
			C204	-842.09	67.47	60.33	-3.06	-69.87	-40.76
			C205	-364.79	41.20	-74.99	6.97	87.39	-24.98
			C206	-399.65	43.67	-68.29	6.47	79.61	-26.46
			C207	-191.80	20.25	-56.47	5.31	65.77	-12.33
			C208	-226.65	22.72	-49.77	4.81	57.99	-13.81
			C209	-883.31	75.81	-5.19	2.77	6.28	-45.98
			C210	-876.00	75.72	-4.30	2.65	5.25	-45.91
			C211	-617.74	49.50	-2.35	2.06	2.89	-30.06
			C212	-610.43	49.41	-1.46	1.94	1.87	-29.99
			C213	-613.80	59.44	4.70	0.45	-5.15	-35.81
			C214	-606.49	59.35	5.59	0.32	-6.17	-35.74
			C215	-384.93	34.31	5.61	0.24	-6.32	-20.68
			C216	-377.62	34.22	6.50	0.12	-7.35	-20.61
			C301	-1027.76	86.81	68.10	-3.52	-78.84	-52.41
			C302	-1062.61	89.28	74.80	-4.02	-86.62	-53.90
			C303	-687.07	54.31	53.48	-2.82	-61.96	-32.80
			C304	-721.92	56.77	60.18	-3.32	-69.74	-34.29

	C305	-244.62	30.50	-75.14	6.72	87.52	-18.51
	C306	-279.47	32.97	-68.44	6.22	79.74	-19.99
	C307	-71.62	9.55	-56.62	5.06	65.90	-5.86
	C308	-106.47	12.02	-49.92	4.56	58.12	-7.34
	C309	-763.14	65.11	-5.34	2.52	6.41	-39.50
	C310	-755.83	65.02	-4.45	2.40	5.38	-39.44
	C311	-497.57	38.80	-2.50	1.81	3.02	-23.59
	C312	-490.25	38.71	-1.61	1.68	2.00	-23.52
	C313	-493.63	48.74	4.55	0.19	-5.01	-29.34
	C314	-486.31	48.65	5.43	0.07	-6.04	-29.27
	C315	-264.76	23.61	5.46	-0.01	-6.19	-14.21
	C316	-257.45	23.52	6.35	-0.14	-7.22	-14.14
107	C101	-1141.85	98.19	50.93	-1.81	2.30	58.51
	C102	-1167.67	100.01	55.89	-2.18	2.49	59.60
	C103	-889.49	74.11	40.10	-1.29	1.81	44.14
	C104	-915.30	75.94	45.06	-1.65	2.00	45.24
	C105	-561.75	56.47	-55.18	5.78	-1.80	33.57
	C106	-587.57	58.30	-50.22	5.41	-1.61	34.66
	C107	-433.60	40.96	-41.46	4.55	-1.35	24.32
	C108	-459.42	42.79	-36.50	4.18	-1.16	25.42
	C109	-945.84	82.11	-3.47	2.67	0.17	48.78
	C110	-940.42	82.05	-2.82	2.58	0.19	48.75
	C111	-749.12	62.62	-1.37	2.14	0.18	37.19
	C112	-743.70	62.56	-0.71	2.05	0.21	37.15
	C113	-746.20	69.99	3.85	0.94	0.49	41.76
	C114	-740.78	69.92	4.51	0.85	0.52	41.73
	C115	-576.67	51.37	4.53	0.79	0.43	30.63
	C116	-571.25	51.30	5.18	0.70	0.46	30.60
	C201	-1147.93	97.51	68.25	-3.27	2.94	58.13
	C202	-1182.78	99.98	74.95	-3.77	3.19	59.61
	C203	-807.24	65.01	53.63	-2.57	2.27	38.74
	C204	-842.09	67.47	60.33	-3.06	2.53	40.21
	C205	-364.79	41.20	-74.99	6.97	-2.60	24.46
	C206	-399.65	43.67	-68.29	6.47	-2.34	25.93
	C207	-191.80	20.25	-56.47	5.31	-1.99	11.98
	C208	-226.65	22.72	-49.77	4.81	-1.74	13.45
	C209	-883.31	75.81	-5.19	2.77	0.05	45.00
	C210	-876.00	75.72	-4.30	2.65	0.09	44.96
	C211	-617.74	49.50	-2.35	2.06	0.08	29.34
	C212	-610.43	49.41	-1.46	1.94	0.11	29.30
	C213	-613.80	59.44	4.70	0.45	0.49	35.52
	C214	-606.49	59.35	5.59	0.32	0.53	35.48
	C215	-384.93	34.31	5.61	0.24	0.41	20.50
	C216	-377.62	34.22	6.50	0.12	0.45	20.45
	C301	-1027.76	86.81	68.10	-3.52	2.88	51.76
	C302	-1062.61	89.28	74.80	-4.02	3.14	53.24
	C303	-687.07	54.31	53.48	-2.82	2.22	32.37
	C304	-721.92	56.77	60.18	-3.32	2.48	33.84
	C305	-244.62	30.50	-75.14	6.72	-2.65	18.09
	C306	-279.47	32.97	-68.44	6.22	-2.40	19.57
	C307	-71.62	9.55	-56.62	5.06	-2.04	5.61
	C308	-106.47	12.02	-49.92	4.56	-1.79	7.08
	C309	-763.14	65.11	-5.34	2.52	0.00	38.63
	C310	-755.83	65.02	-4.45	2.40	0.04	38.59
	C311	-497.57	38.80	-2.50	1.81	0.02	22.97
	C312	-490.25	38.71	-1.61	1.68	0.06	22.93
	C313	-493.63	48.74	4.55	0.19	0.44	29.15
	C314	-486.31	48.65	5.43	0.07	0.48	29.11
	C315	-264.76	23.61	5.46	-0.01	0.36	14.13
	C316	-257.45	23.52	6.35	-0.14	0.40	14.08

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2459

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
008- 108	008	DUM	C101	-1190.48	-120.49	32.75	2.25	-37.69	72.73
			C102	-1217.95	-123.61	35.68	2.57	-41.09	74.61
			C103	-915.66	-95.07	26.32	1.82	-30.32	57.39
			C104	-943.13	-98.18	29.25	2.14	-33.73	59.27
			C105	-563.24	-50.08	-30.34	-4.37	35.62	30.26
			C106	-590.71	-53.19	-27.40	-4.05	32.21	32.14
			C107	-424.06	-40.19	-22.14	-3.26	25.99	24.29
			C108	-451.53	-43.30	-19.21	-2.94	22.58	26.17
			C109	-1105.78	-111.01	0.51	-0.91	-0.05	66.91
			C110	-1087.27	-108.81	0.87	-0.88	-0.48	65.59
			C111	-863.15	-89.06	1.77	-0.60	-1.66	53.69
			C112	-844.64	-86.85	2.13	-0.57	-2.09	52.37
			C113	-647.35	-60.91	4.68	-0.85	-5.25	36.88
			C114	-628.84	-58.70	5.03	-0.82	-5.68	35.56
			C115	-491.50	-48.87	5.11	-0.49	-5.83	29.59

	C116	-472.99	-46.66	5.47	-0.46	-6.26	28.27
	C201	-1204.24	-122.82	42.67	3.42	-49.25	74.12
	C202	-1241.32	-127.02	46.63	3.85	-53.85	76.66
	C203	-833.24	-88.49	33.99	2.84	-39.31	53.42
	C204	-870.32	-92.70	37.95	3.27	-43.91	55.95
	C205	-357.47	-27.76	-42.50	-5.53	49.72	16.79
	C206	-394.55	-31.96	-38.54	-5.09	45.11	19.33
	C207	-169.58	-14.40	-31.44	-4.03	36.71	8.73
	C208	-206.66	-18.61	-27.48	-3.60	32.11	11.27
	C209	-1089.90	-110.02	-0.85	-0.85	1.57	66.27
	C210	-1064.91	-107.04	-0.37	-0.81	0.99	64.48
	C211	-762.35	-80.38	0.85	-0.44	-0.61	48.42
	C212	-737.36	-77.40	1.33	-0.40	-1.19	46.63
	C213	-471.02	-42.38	4.77	-0.76	-5.46	25.73
	C214	-446.03	-39.40	5.25	-0.72	-6.04	23.95
	C215	-260.62	-26.12	5.36	-0.29	-6.23	15.89
	C216	-235.63	-23.15	5.84	-0.25	-6.81	14.11
	C301	-1081.22	-110.65	42.20	3.53	-48.75	66.78
	C302	-1118.30	-114.86	46.16	3.96	-53.35	69.31
	C303	-710.21	-76.33	33.52	2.96	-38.81	46.07
	C304	-747.29	-80.53	37.48	3.39	-43.41	48.61
	C305	-234.44	-15.59	-42.97	-5.41	50.21	9.44
	C306	-271.53	-19.80	-39.01	-4.98	45.61	11.98
	C307	-46.56	-2.24	-31.91	-3.91	37.21	1.38
	C308	-83.64	-6.44	-27.95	-3.48	32.61	3.92
	C309	-966.87	-97.85	-1.32	-0.73	2.06	58.92
	C310	-941.89	-94.88	-0.84	-0.69	1.48	57.14
	C311	-639.32	-68.21	0.38	-0.32	-0.11	41.07
	C312	-614.34	-65.24	0.86	-0.28	-0.69	39.29
	C313	-347.99	-30.21	4.30	-0.65	-4.96	18.39
	C314	-323.01	-27.23	4.78	-0.61	-5.54	16.60
	C315	-137.60	-13.96	4.89	-0.17	-5.74	8.54
	C316	-112.61	-10.98	5.37	-0.13	-6.32	6.76
108	C101	-1190.48	-120.49	32.75	2.25	1.61	-71.86
	C102	-1217.95	-123.61	35.68	2.57	1.72	-73.72
	C103	-915.66	-95.07	26.32	1.82	1.26	-56.69
	C104	-943.13	-98.18	29.25	2.14	1.37	-58.55
	C105	-563.24	-50.08	-30.34	-4.37	-0.78	-29.83
	C106	-590.71	-53.19	-27.40	-4.05	-0.68	-31.69
	C107	-424.06	-40.19	-22.14	-3.26	-0.59	-23.93
	C108	-451.53	-43.30	-19.21	-2.94	-0.48	-25.79
	C109	-1105.78	-111.01	0.51	-0.91	0.56	-66.30
	C110	-1087.27	-108.81	0.87	-0.88	0.56	-64.98
	C111	-863.15	-89.06	1.77	-0.60	0.47	-53.18
	C112	-844.64	-86.85	2.13	-0.57	0.47	-51.86
	C113	-647.35	-60.91	4.68	-0.85	0.36	-36.20
	C114	-628.84	-58.70	5.03	-0.82	0.36	-34.88
	C115	-491.50	-48.87	5.11	-0.49	0.31	-29.05
	C116	-472.99	-46.66	5.47	-0.46	0.30	-27.72
	C201	-1204.24	-122.82	42.67	3.42	1.96	-73.26
	C202	-1241.32	-127.02	46.63	3.85	2.11	-75.77
	C203	-833.24	-88.49	33.99	2.84	1.48	-52.78
	C204	-870.32	-92.70	37.95	3.27	1.63	-55.29
	C205	-357.47	-27.76	-42.50	-5.53	-1.28	-16.52
	C206	-394.55	-31.96	-38.54	-5.09	-1.13	-19.03
	C207	-169.58	-14.40	-31.44	-4.03	-1.01	-8.55
	C208	-206.66	-18.61	-27.48	-3.60	-0.86	-11.06
	C209	-1089.90	-110.02	-0.85	-0.85	0.54	-65.76
	C210	-1064.91	-107.04	-0.37	-0.81	0.54	-63.97
	C211	-762.35	-80.38	0.85	-0.44	0.41	-48.04
	C212	-737.36	-77.40	1.33	-0.40	0.41	-46.25
	C213	-471.02	-42.38	4.77	-0.76	0.27	-25.12
	C214	-446.03	-39.40	5.25	-0.72	0.26	-23.33
	C215	-260.62	-26.12	5.36	-0.29	0.19	-15.46
	C216	-235.63	-23.15	5.84	-0.25	0.19	-13.67
	C301	-1081.22	-110.65	42.20	3.53	1.89	-66.00
	C302	-1118.30	-114.86	46.16	3.96	2.04	-68.51
	C303	-710.21	-76.33	33.52	2.96	1.41	-45.52
	C304	-747.29	-80.53	37.48	3.39	1.56	-48.03
	C305	-234.44	-15.59	-42.97	-5.41	-1.35	-9.27
	C306	-271.53	-19.80	-39.01	-4.98	-1.20	-11.78
	C307	-46.56	-2.24	-31.91	-3.91	-1.08	-1.30
	C308	-83.64	-6.44	-27.95	-3.48	-0.93	-3.81
	C309	-966.87	-97.85	-1.32	-0.73	0.48	-58.50
	C310	-941.89	-94.88	-0.84	-0.69	0.47	-56.72
	C311	-639.32	-68.21	0.38	-0.32	0.35	-40.78
	C312	-614.34	-65.24	0.86	-0.28	0.34	-39.00
	C313	-347.99	-30.21	4.30	-0.65	0.20	-17.86
	C314	-323.01	-27.23	4.78	-0.61	0.20	-16.08
	C315	-137.60	-13.96	4.89	-0.17	0.13	-8.20
	C316	-112.61	-10.98	5.37	-0.13	0.12	-6.42

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2460

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
009- 109	009	DUM	C101	-960.32	98.41	44.48	-4.71	-52.14	-59.42
			C102	-967.25	100.08	49.30	-5.10	-57.75	-60.43
			C103	-744.54	74.56	35.66	-3.77	-41.79	-45.02
			C104	-751.46	76.23	40.48	-4.16	-47.41	-46.03
			C105	-774.76	59.48	-58.33	3.47	67.58	-35.90
			C106	-781.69	61.15	-53.51	3.08	61.97	-36.91
			C107	-592.41	43.59	-43.27	2.53	50.13	-26.32
			C108	-599.34	45.26	-38.45	2.14	44.52	-27.33
			C109	-968.82	83.79	-9.32	-1.01	10.55	-50.69
			C110	-960.76	83.70	-8.62	-1.03	9.72	-50.63
			C111	-760.47	64.20	-5.41	-0.95	6.06	-38.85
			C112	-752.42	64.11	-4.70	-0.96	5.23	-38.78
			C113	-736.47	71.39	0.29	-0.60	-0.69	-43.00
			C114	-728.42	71.30	1.00	-0.62	-1.51	-42.94
			C115	-561.60	52.73	2.38	-0.66	-3.03	-31.77
			C116	-553.55	52.64	3.08	-0.68	-3.86	-31.70
			C201	-901.65	97.05	61.63	-5.95	-72.07	-58.60
			C202	-911.00	99.31	68.14	-6.47	-79.65	-59.96
			C203	-610.33	64.86	49.73	-4.68	-58.11	-39.16
			C204	-619.68	67.11	56.23	-5.21	-65.69	-40.53
			C205	-651.14	44.50	-77.16	5.10	89.54	-26.86
			C206	-660.49	46.75	-70.65	4.57	81.96	-28.22
			C207	-404.97	23.05	-56.83	3.83	65.99	-13.92
			C208	-414.32	25.30	-50.33	3.30	58.41	-15.28
			C209	-913.11	77.32	-11.00	-0.96	12.55	-46.82
			C210	-902.24	77.19	-10.05	-0.98	11.43	-46.73
			C211	-631.85	50.87	-5.72	-0.87	6.48	-30.83
			C212	-620.97	50.75	-4.76	-0.89	5.37	-30.74
			C213	-599.45	60.58	1.97	-0.40	-2.62	-36.44
			C214	-588.58	60.46	2.93	-0.42	-3.73	-36.36
			C215	-363.37	35.39	4.79	-0.48	-5.78	-21.27
			C216	-352.50	35.26	5.75	-0.50	-6.90	-21.19
			C301	-781.10	86.12	62.11	-5.82	-72.59	-52.00
			C302	-790.45	88.38	68.62	-6.35	-80.17	-53.36
			C303	-489.79	53.93	50.21	-4.55	-58.63	-32.57
			C304	-499.14	56.18	56.72	-5.08	-66.20	-33.93
			C305	-530.59	33.57	-76.67	5.22	89.03	-20.26
			C306	-539.95	35.82	-70.17	4.69	81.45	-21.62
			C307	-284.42	12.12	-56.35	3.95	65.47	-7.32
			C308	-293.77	14.37	-49.84	3.43	57.89	-8.68
			C309	-792.56	66.38	-10.52	-0.83	12.03	-40.22
			C310	-781.69	66.26	-9.56	-0.85	10.91	-40.13
			C311	-511.30	39.94	-5.24	-0.75	5.97	-24.23
			C312	-500.42	39.82	-4.28	-0.77	4.85	-24.14
			C313	-478.90	49.65	2.46	-0.28	-3.13	-29.84
			C314	-468.03	49.53	3.41	-0.30	-4.25	-29.76
			C315	-242.83	24.45	5.28	-0.36	-6.30	-14.67
			C316	-231.95	24.33	6.23	-0.38	-7.42	-14.59
	109		C101	-960.32	98.41	44.48	-4.71	1.24	58.67
			C102	-967.25	100.08	49.30	-5.10	1.41	59.67
			C103	-744.54	74.56	35.66	-3.77	1.00	44.45
			C104	-751.46	76.23	40.48	-4.16	1.17	45.45
			C105	-774.76	59.48	-58.33	3.47	-2.41	35.47
			C106	-781.69	61.15	-53.51	3.08	-2.24	36.46
			C107	-592.41	43.59	-43.27	2.53	-1.80	25.99
			C108	-599.34	45.26	-38.45	2.14	-1.63	26.98
			C109	-968.82	83.79	-9.32	-1.01	-0.64	49.85
			C110	-960.76	83.70	-8.62	-1.03	-0.62	49.81
			C111	-760.47	64.20	-5.41	-0.95	-0.44	38.20
			C112	-752.42	64.11	-4.70	-0.96	-0.41	38.15
			C113	-736.47	71.39	0.29	-0.60	-0.34	42.66
			C114	-728.42	71.30	1.00	-0.62	-0.32	42.62
			C115	-561.60	52.73	2.38	-0.66	-0.18	31.51
			C116	-553.55	52.64	3.08	-0.68	-0.16	31.46
			C201	-901.65	97.05	61.63	-5.95	1.88	57.87
			C202	-911.00	99.31	68.14	-6.47	2.11	59.21
			C203	-610.33	64.86	49.73	-4.68	1.56	38.66
			C204	-619.68	67.11	56.23	-5.21	1.79	40.01
			C205	-651.14	44.50	-77.16	5.10	-3.05	26.54
			C206	-660.49	46.75	-70.65	4.57	-2.82	27.88
			C207	-404.97	23.05	-56.83	3.83	-2.21	13.74
			C208	-414.32	25.30	-50.33	3.30	-1.98	15.08
			C209	-913.11	77.32	-11.00	-0.96	-0.66	45.96
			C210	-902.24	77.19	-10.05	-0.98	-0.63	45.90
			C211	-631.85	50.87	-5.72	-0.87	-0.38	30.22
			C212	-620.97	50.75	-4.76	-0.89	-0.35	30.16
			C213	-599.45	60.58	1.97	-0.40	-0.25	36.25
			C214	-588.58	60.46	2.93	-0.42	-0.22	36.19
			C215	-363.37	35.39	4.79	-0.48	-0.03	21.19
			C216	-352.50	35.26	5.75	-0.50	-0.00	21.13

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C301	-781.10	86.12	62.11	-5.82	1.94	51.35
C302	-790.45	88.38	68.62	-6.35	2.18	52.69
C303	-489.79	53.93	50.21	-4.55	1.63	32.15
C304	-499.14	56.18	56.72	-5.08	1.86	33.49
C305	-530.59	33.57	-76.67	5.22	-2.98	20.02
C306	-539.95	35.82	-70.17	4.69	-2.75	21.37
C307	-284.42	12.12	-56.35	3.95	-2.15	7.22
C308	-293.77	14.37	-49.84	3.43	-1.92	8.57
C309	-792.56	66.38	-10.52	-0.83	-0.59	39.44
C310	-781.69	66.26	-9.56	-0.85	-0.56	39.38
C311	-511.30	39.94	-5.24	-0.75	-0.31	23.70
C312	-500.42	39.82	-4.28	-0.77	-0.28	23.64
C313	-478.90	49.65	2.46	-0.28	-0.19	29.74
C314	-468.03	49.53	3.41	-0.30	-0.16	29.67
C315	-242.83	24.45	5.28	-0.36	0.03	14.67
C316	-231.95	24.33	6.23	-0.38	0.06	14.61

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2461

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
010- 110	010	DUM	C101	-971.52	-84.66	26.08	4.04	-30.84	51.09
			C102	-976.60	-84.22	28.94	4.40	-34.19	50.83
			C103	-740.22	-66.20	20.77	3.16	-24.53	39.95
			C104	-745.30	-65.76	23.63	3.52	-27.87	39.68
			C105	-813.00	-89.02	-35.29	-3.42	40.85	53.69
			C106	-818.08	-88.58	-32.43	-3.06	37.51	53.42
			C107	-609.41	-68.85	-26.34	-2.60	30.51	41.52
			C108	-614.49	-68.40	-23.48	-2.24	27.16	41.25
			C109	-1129.76	-113.93	-6.13	-0.10	6.60	68.62
			C110	-1108.12	-111.23	-5.68	-0.04	6.09	67.00
			C111	-873.35	-89.78	-3.83	0.01	4.06	54.08
			C112	-851.71	-87.08	-3.37	0.07	3.55	52.46
			C113	-632.56	-57.66	-0.27	1.01	0.12	34.89
			C114	-610.92	-54.96	0.19	1.07	-0.39	33.27
			C115	-470.38	-44.62	0.94	0.85	-1.21	26.99
			C116	-448.74	-41.92	1.39	0.91	-1.73	25.37
			C201	-908.84	-74.92	36.40	5.21	-42.87	45.22
			C202	-915.70	-74.32	40.27	5.69	-47.38	44.87
			C203	-596.59	-50.00	29.23	4.03	-34.35	30.18
			C204	-603.44	-49.40	33.10	4.51	-38.86	29.82
			C205	-694.84	-80.81	-46.45	-4.86	53.92	48.73
			C206	-701.69	-80.22	-42.59	-4.38	49.40	48.37
			C207	-419.99	-53.57	-34.36	-3.74	39.95	32.30
			C208	-426.84	-52.98	-30.50	-3.26	35.44	31.94
			C209	-1122.46	-114.44	-7.08	-0.38	7.68	68.89
			C210	-1093.25	-110.79	-6.46	-0.29	6.99	66.70
			C211	-776.31	-81.84	-3.97	-0.23	4.25	49.26
			C212	-747.10	-78.20	-3.36	-0.14	3.56	47.07
			C213	-451.25	-38.48	0.84	1.12	-1.07	23.35
			C214	-422.04	-34.84	1.45	1.21	-1.76	21.16
			C215	-232.30	-20.87	2.46	0.90	-2.87	12.69
			C216	-203.09	-17.22	3.08	0.99	-3.57	10.50
			C301	-785.88	-62.90	36.77	5.14	-43.25	37.97
			C302	-792.73	-62.30	40.63	5.62	-47.76	37.61
			C303	-473.62	-37.98	29.60	3.95	-34.72	22.93
			C304	-480.48	-37.38	33.46	4.44	-39.24	22.57
			C305	-571.87	-68.79	-46.08	-4.93	53.54	41.47
			C306	-578.73	-68.20	-42.22	-4.45	49.03	41.12
			C307	-297.03	-41.55	-33.99	-3.82	39.57	25.05
			C308	-303.88	-40.96	-30.13	-3.33	35.06	24.69
			C309	-999.50	-102.42	-6.71	-0.45	7.30	61.64
			C310	-970.29	-98.77	-6.10	-0.37	6.61	59.45
			C311	-653.35	-69.82	-3.61	-0.30	3.87	42.01
			C312	-624.14	-66.18	-2.99	-0.21	3.18	39.82
			C313	-328.28	-26.46	1.20	1.05	-1.45	16.10
			C314	-299.07	-22.81	1.81	1.14	-2.14	13.91
			C315	-109.34	-8.85	2.83	0.83	-3.25	5.44
			C316	-80.13	-5.20	3.44	0.92	-3.94	3.25
	110		C101	-971.52	-84.66	26.08	4.04	0.45	-50.50
			C102	-976.60	-84.22	28.94	4.40	0.54	-50.23
			C103	-740.22	-66.20	20.77	3.16	0.39	-39.49
			C104	-745.30	-65.76	23.63	3.52	0.48	-39.22
			C105	-813.00	-89.02	-35.29	-3.42	-1.50	-53.14
			C106	-818.08	-88.58	-32.43	-3.06	-1.41	-52.88
			C107	-609.41	-68.85	-26.34	-2.60	-1.10	-41.10
			C108	-614.49	-68.40	-23.48	-2.24	-1.01	-40.83
			C109	-1129.76	-113.93	-6.13	-0.10	-0.75	-68.09
			C110	-1108.12	-111.23	-5.68	-0.04	-0.72	-66.47
			C111	-873.35	-89.78	-3.83	0.01	-0.53	-53.66

	C112	-851.71	-87.08	-3.37	0.07	-0.50	-52.04
	C113	-632.56	-57.66	-0.27	1.01	-0.20	-34.31
	C114	-610.92	-54.96	0.19	1.07	-0.17	-32.69
	C115	-470.38	-44.62	0.94	0.85	-0.09	-26.55
	C116	-448.74	-41.92	1.39	0.91	-0.06	-24.93
	C201	-908.84	-74.92	36.40	5.21	0.81	-44.68
	C202	-915.70	-74.32	40.27	5.69	0.93	-44.32
	C203	-596.59	-50.00	29.23	4.03	0.73	-29.82
	C204	-603.44	-49.40	33.10	4.51	0.86	-29.46
	C205	-694.84	-80.81	-46.45	-4.86	-1.82	-48.25
	C206	-701.69	-80.22	-42.59	-4.38	-1.70	-47.89
	C207	-419.99	-53.57	-34.36	-3.74	-1.28	-31.99
	C208	-426.84	-52.98	-30.50	-3.26	-1.16	-31.63
	C209	-1122.46	-114.44	-7.08	-0.38	-0.81	-68.43
	C210	-1093.25	-110.79	-6.46	-0.29	-0.77	-66.25
	C211	-776.31	-81.84	-3.97	-0.23	-0.52	-48.95
	C212	-747.10	-78.20	-3.36	-0.14	-0.47	-46.76
	C213	-451.25	-38.48	0.84	1.12	-0.07	-22.83
	C214	-422.04	-34.84	1.45	1.21	-0.02	-20.64
	C215	-232.30	-20.87	2.46	0.90	0.08	-12.36
	C216	-203.09	-17.22	3.08	0.99	0.13	-10.17
	C301	-785.88	-62.90	36.77	5.14	0.87	-37.51
	C302	-792.73	-62.30	40.63	5.62	1.00	-37.15
	C303	-473.62	-37.98	29.60	3.95	0.80	-22.65
	C304	-480.48	-37.38	33.46	4.44	0.92	-22.29
	C305	-571.87	-68.79	-46.08	-4.93	-1.76	-41.08
	C306	-578.73	-68.20	-42.22	-4.45	-1.64	-40.72
	C307	-297.03	-41.55	-33.99	-3.82	-1.22	-24.82
	C308	-303.88	-40.96	-30.13	-3.33	-1.09	-24.46
	C309	-999.50	-102.42	-6.71	-0.45	-0.75	-61.26
	C310	-970.29	-98.77	-6.10	-0.37	-0.71	-59.07
	C311	-653.35	-69.82	-3.61	-0.30	-0.45	-41.78
	C312	-624.14	-66.18	-2.99	-0.21	-0.41	-39.59
	C313	-328.28	-26.46	1.20	1.05	-0.00	-15.66
	C314	-299.07	-22.81	1.81	1.14	0.04	-13.47
	C315	-109.34	-8.85	2.83	0.83	0.15	-5.18
	C316	-80.13	-5.20	3.44	0.92	0.19	-3.00

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2462

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
011- 111	011	DUM	C101	-1092.54	30.51	104.38	6.30	-43.39	-18.31
			C102	-1118.42	30.81	114.03	6.88	-47.44	-18.49
			C103	-863.20	21.32	82.52	4.79	-34.29	-12.82
			C104	-889.09	21.62	92.17	5.37	-38.34	-12.99
			C105	-519.40	23.14	-100.05	-6.12	42.43	-13.99
			C106	-545.28	23.44	-90.40	-5.54	38.38	-14.16
			C107	-412.71	15.15	-74.85	-4.77	31.76	-9.19
			C108	-438.59	15.45	-65.20	-4.19	27.71	-9.36
			C109	-810.47	25.37	-6.27	0.15	2.99	-15.02
			C110	-813.44	25.70	-4.47	0.20	2.25	-15.24
			C111	-655.03	17.62	-1.88	0.11	1.09	-10.43
			C112	-657.99	17.95	-0.08	0.17	0.34	-10.65
			C113	-786.59	26.32	18.83	0.54	-7.43	-16.08
			C114	-789.55	26.65	20.62	0.60	-8.17	-16.30
			C115	-618.60	17.54	17.66	0.42	-7.04	-10.75
			C116	-621.57	17.86	19.45	0.48	-7.78	-10.98
			C201	-1099.51	29.50	137.03	8.34	-57.14	-17.68
			C202	-1134.45	29.90	150.05	9.12	-62.60	-17.92
			C203	-789.91	17.10	107.51	6.30	-44.86	-10.26
			C204	-824.85	17.50	120.54	7.08	-50.33	-10.50
			C205	-325.77	19.54	-138.96	-8.44	58.72	-11.84
			C206	-360.72	19.95	-125.94	-7.66	53.25	-12.08
			C207	-181.74	8.77	-104.93	-6.61	44.32	-5.36
			C208	-216.68	9.17	-91.91	-5.83	38.85	-5.60
			C209	-718.72	22.56	-12.35	0.02	5.47	-13.24
			C210	-722.73	23.00	-9.92	0.10	4.47	-13.53
			C211	-508.87	12.10	-6.43	-0.02	2.90	-7.04
			C212	-512.87	12.54	-4.00	0.06	1.89	-7.34
			C213	-686.48	23.84	21.52	0.55	-8.59	-14.66
			C214	-690.48	24.28	23.95	0.63	-9.60	-14.96
			C215	-459.69	11.99	19.94	0.40	-8.06	-7.48
			C216	-463.70	12.43	22.37	0.47	-9.07	-7.77
			C301	-984.88	25.93	135.84	8.28	-56.70	-15.53
			C302	-1019.82	26.33	148.86	9.06	-62.17	-15.77
			C303	-675.28	13.53	106.32	6.24	-44.42	-8.11
			C304	-710.22	13.93	119.35	7.02	-49.89	-8.35
			C305	-211.14	15.97	-140.15	-8.49	59.15	-9.69
			C306	-246.08	16.38	-127.12	-7.71	53.69	-9.93

	C307	-67.11	5.20	-106.12	-6.66	44.75	-3.21
	C308	-102.05	5.60	-93.10	-5.88	39.28	-3.45
	C309	-604.09	18.99	-13.54	-0.03	5.91	-11.09
	C310	-608.10	19.43	-11.11	0.05	4.90	-11.38
	C311	-394.24	8.53	-7.62	-0.07	3.34	-4.89
	C312	-398.24	8.97	-5.19	0.00	2.33	-5.19
	C313	-571.85	20.27	20.33	0.50	-8.15	-12.51
	C314	-575.85	20.71	22.76	0.58	-9.16	-12.81
	C315	-345.06	8.42	18.75	0.34	-7.62	-5.33
	C316	-349.07	8.86	21.18	0.42	-8.63	-5.62
111	C101	-1092.54	30.51	104.38	6.30	81.88	18.30
	C102	-1118.42	30.81	114.03	6.88	89.40	18.48
	C103	-863.20	21.32	82.52	4.79	64.74	12.77
	C104	-889.09	21.62	92.17	5.37	72.26	12.96
	C105	-519.40	23.14	-100.05	-6.12	-77.63	13.78
	C106	-545.28	23.44	-90.40	-5.54	-70.10	13.96
	C107	-412.71	15.15	-74.85	-4.77	-58.05	9.00
	C108	-438.59	15.45	-65.20	-4.19	-50.52	9.18
	C109	-810.47	25.37	-6.27	0.15	-4.53	15.43
	C110	-813.44	25.70	-4.47	0.20	-3.12	15.59
	C111	-655.03	17.62	-1.88	0.11	-1.17	10.72
	C112	-657.99	17.95	-0.08	0.17	0.24	10.89
	C113	-786.59	26.32	18.83	0.54	15.16	15.51
	C114	-789.55	26.65	20.62	0.60	16.57	15.68
	C115	-618.60	17.54	17.66	0.42	14.15	10.29
	C116	-621.57	17.86	19.45	0.48	15.56	10.46
	C201	-1099.51	29.50	137.03	8.34	107.30	17.72
	C202	-1134.45	29.90	150.05	9.12	117.46	17.97
	C203	-789.91	17.10	107.51	6.30	84.16	10.26
	C204	-824.85	17.50	120.54	7.08	94.32	10.50
	C205	-325.77	19.54	-138.96	-8.44	-108.04	11.61
	C206	-360.72	19.95	-125.94	-7.66	-97.87	11.86
	C207	-181.74	8.77	-104.93	-6.61	-81.60	5.16
	C208	-216.68	9.17	-91.91	-5.83	-71.44	5.41
	C209	-718.72	22.56	-12.35	0.02	-9.35	13.84
	C210	-722.73	23.00	-9.92	0.10	-7.44	14.07
	C211	-508.87	12.10	-6.43	-0.02	-4.81	7.48
	C212	-512.87	12.54	-4.00	0.06	-2.91	7.71
	C213	-686.48	23.84	21.52	0.55	17.24	13.95
	C214	-690.48	24.28	23.95	0.63	19.14	14.18
	C215	-459.69	11.99	19.94	0.40	15.87	6.91
	C216	-463.70	12.43	22.37	0.47	17.77	7.14
	C301	-984.88	25.93	135.84	8.28	106.31	15.59
	C302	-1019.82	26.33	148.86	9.06	116.47	15.83
	C303	-675.28	13.53	106.32	6.24	83.17	8.12
	C304	-710.22	13.93	119.35	7.02	93.33	8.37
	C305	-211.14	15.97	-140.15	-8.49	-109.03	9.48
	C306	-246.08	16.38	-127.12	-7.71	-98.86	9.73
	C307	-67.11	5.20	-106.12	-6.66	-82.59	3.02
	C308	-102.05	5.60	-93.10	-5.88	-72.43	3.27
	C309	-604.09	18.99	-13.54	-0.03	-10.33	11.70
	C310	-608.10	19.43	-11.11	0.05	-8.43	11.93
	C311	-394.24	8.53	-7.62	-0.07	-5.80	5.35
	C312	-398.24	8.97	-5.19	0.00	-3.90	5.58
	C313	-571.85	20.27	20.33	0.50	16.25	11.82
	C314	-575.85	20.71	22.76	0.58	18.15	12.04
	C315	-345.06	8.42	18.75	0.34	14.88	4.78
	C316	-349.07	8.86	21.18	0.42	16.78	5.00

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2463

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
012- 112	012	DUM	C101	-899.45	41.58	74.89	4.15	-32.00	-25.08
			C102	-904.89	42.85	83.93	4.67	-35.81	-25.86
			C103	-709.79	30.42	59.71	3.44	-25.51	-18.38
			C104	-715.24	31.70	68.75	3.96	-29.32	-19.16
			C105	-753.59	13.31	-116.52	-6.98	48.72	-7.95
			C106	-759.03	14.59	-107.47	-6.45	44.90	-8.72
			C107	-588.14	8.20	-87.24	-5.09	36.46	-4.91
			C108	-593.58	9.48	-78.19	-4.56	32.65	-5.69
			C109	-838.85	25.62	-19.54	-1.89	7.90	-15.15
			C110	-838.96	26.08	-18.73	-1.79	7.55	-15.46
			C111	-670.83	18.47	-12.43	-1.18	4.97	-10.94
			C112	-670.94	18.93	-11.61	-1.08	4.62	-11.24
			C113	-779.58	28.26	-12.27	-0.38	4.71	-17.25
			C114	-779.69	28.72	-11.46	-0.28	4.35	-17.55
			C115	-605.81	19.75	-5.82	0.05	2.09	-12.10
			C116	-605.92	20.21	-5.00	0.15	1.74	-12.40
			C201	-835.75	43.78	107.75	6.05	-45.81	-26.42

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C202	-843.09	45.50	119.96	6.76	-50.96	-27.47
	C203	-579.71	28.72	87.25	5.10	-37.05	-17.37
	C204	-587.06	30.45	99.46	5.80	-42.20	-18.42
	C205	-638.84	5.62	-150.65	-8.97	63.15	-3.29
	C206	-646.18	7.34	-138.44	-8.26	58.01	-4.34
	C207	-415.48	-1.27	-111.12	-6.42	46.61	0.81
	C208	-422.82	0.45	-98.91	-5.71	41.46	-0.24
	C209	-753.94	22.23	-19.73	-2.10	8.05	-13.02
	C210	-754.09	22.85	-18.63	-1.97	7.58	-13.43
	C211	-527.11	12.59	-10.13	-1.14	4.09	-7.33
	C212	-527.26	13.21	-9.03	-1.01	3.62	-7.74
	C213	-673.92	25.80	-9.92	-0.06	3.74	-15.85
	C214	-674.07	26.42	-8.82	0.07	3.27	-16.26
	C215	-439.33	14.32	-1.20	0.52	0.21	-8.89
	C216	-439.48	14.94	-0.10	0.65	-0.27	-9.30
	C301	-720.17	40.01	109.78	6.19	-46.61	-24.15
	C302	-727.52	41.73	121.99	6.89	-51.76	-25.20
	C303	-464.14	24.95	89.28	5.23	-37.85	-15.10
	C304	-471.48	26.68	101.49	5.94	-43.00	-16.15
	C305	-523.26	1.85	-148.62	-8.83	62.36	-1.02
	C306	-530.61	3.57	-136.41	-8.12	57.21	-2.07
	C307	-299.90	-5.05	-109.09	-6.28	45.81	3.08
	C308	-307.25	-3.32	-96.88	-5.57	40.66	2.03
	C309	-638.36	18.46	-17.70	-1.96	7.26	-10.75
	C310	-638.51	19.08	-16.60	-1.83	6.78	-11.16
	C311	-411.53	8.81	-8.10	-1.01	3.30	-5.05
	C312	-411.68	9.44	-7.00	-0.88	2.82	-5.47
	C313	-558.35	22.03	-7.89	0.08	2.94	-13.58
	C314	-558.49	22.65	-6.79	0.21	2.47	-13.99
	C315	-323.76	10.55	0.83	0.65	-0.59	-6.62
	C316	-323.91	11.17	1.93	0.78	-1.06	-7.03
112	C101	-899.45	41.58	74.89	4.15	57.87	24.81
	C102	-904.89	42.85	83.93	4.67	64.91	25.57
	C103	-709.79	30.42	59.71	3.44	46.14	18.13
	C104	-715.24	31.70	68.75	3.96	53.18	18.89
	C105	-753.59	13.31	-116.52	-6.98	-91.10	8.02
	C106	-759.03	14.59	-107.47	-6.45	-84.06	8.78
	C107	-588.14	8.20	-87.24	-5.09	-68.22	4.93
	C108	-593.58	9.48	-78.19	-4.56	-61.18	5.69
	C109	-838.85	25.62	-19.54	-1.89	-15.55	15.58
	C110	-838.96	26.08	-18.73	-1.79	-14.92	15.83
	C111	-670.83	18.47	-12.43	-1.18	-9.95	11.23
	C112	-670.94	18.93	-11.61	-1.08	-9.32	11.48
	C113	-779.58	28.26	-12.27	-0.38	-10.02	16.66
	C114	-779.69	28.72	-11.46	-0.28	-9.39	16.91
	C115	-605.81	19.75	-5.82	0.05	-4.89	11.61
	C116	-605.92	20.21	-5.00	0.15	-4.26	11.86
	C201	-835.75	43.78	107.75	6.05	83.49	26.11
	C202	-843.09	45.50	119.96	6.76	92.99	27.14
	C203	-579.71	28.72	87.25	5.10	67.65	17.09
	C204	-587.06	30.45	99.46	5.80	77.15	18.12
	C205	-638.84	5.62	-150.65	-8.97	-117.62	3.45
	C206	-646.18	7.34	-138.44	-8.26	-108.12	4.47
	C207	-415.48	-1.27	-111.12	-6.42	-86.73	-0.72
	C208	-422.82	0.45	-98.91	-5.71	-77.23	0.30
	C209	-753.94	22.23	-19.73	-2.10	-15.62	13.66
	C210	-754.09	22.85	-18.63	-1.97	-14.78	13.99
	C211	-527.11	12.59	-10.13	-1.14	-8.06	7.78
	C212	-527.26	13.21	-9.03	-1.01	-7.22	8.11
	C213	-673.92	25.80	-9.92	-0.06	-8.16	15.11
	C214	-674.07	26.42	-8.82	0.07	-7.32	15.45
	C215	-439.33	14.32	-1.20	0.52	-1.23	8.29
	C216	-439.48	14.94	-0.10	0.65	-0.39	8.63
	C301	-720.17	40.01	109.78	6.19	85.12	23.86
	C302	-727.52	41.73	121.99	6.89	94.63	24.88
	C303	-464.14	24.95	89.28	5.23	69.29	14.84
	C304	-471.48	26.68	101.49	5.94	78.79	15.86
	C305	-523.26	1.85	-148.62	-8.83	-115.99	1.20
	C306	-530.61	3.57	-136.41	-8.12	-106.48	2.22
	C307	-299.90	-5.05	-109.09	-6.28	-85.09	-2.98
	C308	-307.25	-3.32	-96.88	-5.57	-75.59	-1.95
	C309	-638.36	18.46	-17.70	-1.96	-13.99	11.40
	C310	-638.51	19.08	-16.60	-1.83	-13.14	11.74
	C311	-411.53	8.81	-8.10	-1.01	-6.42	5.52
	C312	-411.68	9.44	-7.00	-0.88	-5.58	5.86
	C313	-558.35	22.03	-7.89	0.08	-6.52	12.86
	C314	-558.49	22.65	-6.79	0.21	-5.68	13.19
	C315	-323.76	10.55	0.83	0.65	0.40	6.04
	C316	-323.91	11.17	1.93	0.78	1.25	6.37

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
013- 113	013	DUM	C101	-1159.83	-51.18	87.98	-1.11	-35.75	31.01
			C102	-1186.03	-52.74	95.37	-1.08	-38.77	31.96
			C103	-879.22	-41.89	68.24	-1.03	-27.76	25.35
			C104	-905.43	-43.45	75.63	-1.00	-30.79	26.30
			C105	-551.87	-16.37	-70.11	-1.59	28.92	9.85
			C106	-578.08	-17.93	-62.71	-1.56	25.89	10.80
			C107	-402.66	-14.95	-53.45	-1.39	22.01	8.98
			C108	-428.86	-16.51	-46.06	-1.37	18.98	9.92
			C109	-1165.43	-46.58	16.95	-1.40	-6.56	28.41
			C110	-1139.17	-45.41	16.97	-1.39	-6.58	27.68
			C111	-896.81	-38.90	14.36	-1.26	-5.62	23.69
			C112	-870.55	-37.73	14.38	-1.25	-5.64	22.96
			C113	-550.39	-22.49	7.94	-1.24	-3.15	13.39
			C114	-524.13	-21.33	7.97	-1.23	-3.17	12.66
			C115	-405.30	-19.86	7.56	-1.12	-3.06	11.82
			C116	-379.04	-18.69	7.59	-1.11	-3.08	11.09
			C201	-1175.52	-52.87	112.74	-0.86	-45.89	32.05
			C202	-1210.90	-54.97	122.73	-0.82	-49.98	33.33
			C203	-796.70	-40.32	86.10	-0.75	-35.12	24.41
			C204	-832.08	-42.43	96.08	-0.71	-39.20	25.69
			C205	-354.78	-5.88	-100.67	-1.50	41.40	3.49
			C206	-390.15	-7.98	-90.69	-1.46	37.32	4.77
			C207	-153.34	-3.96	-78.18	-1.24	32.08	2.31
			C208	-188.72	-6.06	-68.20	-1.20	27.99	3.59
			C209	-1183.08	-46.65	16.86	-1.25	-6.49	28.55
			C210	-1147.63	-45.08	16.89	-1.24	-6.52	27.56
			C211	-820.44	-36.29	13.36	-1.06	-5.22	22.17
			C212	-784.99	-34.71	13.39	-1.05	-5.25	21.19
			C213	-352.78	-14.14	4.70	-1.04	-1.89	8.27
			C214	-317.33	-12.57	4.73	-1.02	-1.92	7.28
			C215	-156.91	-10.59	4.19	-0.87	-1.77	6.15
			C216	-121.46	-9.01	4.22	-0.86	-1.80	5.17
			C301	-1056.36	-47.91	110.91	-0.66	-45.17	29.06
			C302	-1091.74	-50.02	120.89	-0.62	-49.26	30.34
			C303	-677.54	-35.37	84.26	-0.55	-34.40	21.42
			C304	-712.92	-37.47	94.24	-0.51	-38.48	22.70
			C305	-235.62	-0.92	-102.51	-1.30	42.13	0.50
			C306	-270.99	-3.03	-92.52	-1.26	38.04	1.77
			C307	-34.18	1.00	-80.02	-1.05	32.80	-0.69
			C308	-69.56	-1.11	-70.04	-1.01	28.71	0.59
			C309	-1063.92	-41.70	15.02	-1.06	-5.77	25.55
			C310	-1028.47	-40.12	15.05	-1.04	-5.80	24.57
			C311	-701.28	-31.34	11.52	-0.87	-4.50	19.18
			C312	-665.83	-29.76	11.55	-0.85	-4.53	18.19
			C313	-233.62	-9.19	2.86	-0.84	-1.17	5.27
			C314	-198.17	-7.61	2.90	-0.83	-1.20	4.29
			C315	-37.75	-5.63	2.35	-0.68	-1.04	3.16
			C316	-2.30	-4.06	2.38	-0.66	-1.08	2.17
	113		C101	-1159.83	-51.18	87.98	-1.11	69.82	-30.40
			C102	-1186.03	-52.74	95.37	-1.08	75.67	-31.33
			C103	-879.22	-41.89	68.24	-1.03	54.12	-24.91
			C104	-905.43	-43.45	75.63	-1.00	59.97	-25.84
			C105	-551.87	-16.37	-70.11	-1.59	-55.21	-9.79
			C106	-578.08	-17.93	-62.71	-1.56	-49.36	-10.72
			C107	-402.66	-14.95	-53.45	-1.39	-42.13	-8.96
			C108	-428.86	-16.51	-46.06	-1.37	-36.29	-9.88
			C109	-1165.43	-46.58	16.95	-1.40	13.78	-27.48
			C110	-1139.17	-45.41	16.97	-1.39	13.78	-26.81
			C111	-896.81	-38.90	14.36	-1.26	11.61	-22.99
			C112	-870.55	-37.73	14.38	-1.25	11.62	-22.32
			C113	-550.39	-22.49	7.94	-1.24	6.38	-13.60
			C114	-524.13	-21.33	7.97	-1.23	6.39	-12.93
			C115	-405.30	-19.86	7.56	-1.12	6.02	-12.01
			C116	-379.04	-18.69	7.59	-1.11	6.02	-11.34
			C201	-1175.52	-52.87	112.74	-0.86	89.40	-31.39
			C202	-1210.90	-54.97	122.73	-0.82	97.29	-32.63
			C203	-796.70	-40.32	86.10	-0.75	68.20	-23.97
			C204	-832.08	-42.43	96.08	-0.71	76.09	-25.22
			C205	-354.78	-5.88	-100.67	-1.50	-79.40	-3.56
			C206	-390.15	-7.98	-90.69	-1.46	-71.50	-4.81
			C207	-153.34	-3.96	-78.18	-1.24	-61.74	-2.44
			C208	-188.72	-6.06	-68.20	-1.20	-53.85	-3.68
			C209	-1183.08	-46.65	16.86	-1.25	13.74	-27.44
			C210	-1147.63	-45.08	16.89	-1.24	13.74	-26.53
			C211	-820.44	-36.29	13.36	-1.06	10.81	-21.37
			C212	-784.99	-34.71	13.39	-1.05	10.82	-20.47
			C213	-352.78	-14.14	4.70	-1.04	3.75	-8.70
			C214	-317.33	-12.57	4.73	-1.02	3.76	-7.80
			C215	-156.91	-10.59	4.19	-0.87	3.26	-6.55
			C216	-121.46	-9.01	4.22	-0.86	3.27	-5.64
			C301	-1056.36	-47.91	110.91	-0.66	87.91	-28.44
			C302	-1091.74	-50.02	120.89	-0.62	95.81	-29.68

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C303	-677.54	-35.37	84.26	-0.55	66.71	-21.03
C304	-712.92	-37.47	94.24	-0.51	74.61	-22.27
C305	-235.62	-0.92	-102.51	-1.30	-80.88	-0.61
C306	-270.99	-3.03	-92.52	-1.26	-72.99	-1.86
C307	-34.18	1.00	-80.02	-1.05	-63.23	0.51
C308	-69.56	-1.11	-70.04	-1.01	-55.33	-0.73
C309	-1063.92	-41.70	15.02	-1.06	12.25	-24.49
C310	-1028.47	-40.12	15.05	-1.04	12.26	-23.58
C311	-701.28	-31.34	11.52	-0.87	9.33	-18.42
C312	-665.83	-29.76	11.55	-0.85	9.33	-17.52
C313	-233.62	-9.19	2.86	-0.84	2.27	-5.75
C314	-198.17	-7.61	2.90	-0.83	2.27	-4.85
C315	-37.75	-5.63	2.35	-0.68	1.78	-3.60
C316	-2.30	-4.06	2.38	-0.66	1.78	-2.70

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2465

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
014- 114	014	DUM	C101	-967.00	-26.46	50.24	1.27	-21.00	15.96
			C102	-973.16	-25.62	57.01	1.32	-23.79	15.45
			C103	-725.30	-21.89	41.91	1.06	-17.47	13.18
			C104	-731.46	-21.05	48.68	1.11	-20.25	12.67
			C105	-777.96	-42.21	-91.65	0.32	37.37	25.57
			C106	-784.12	-41.37	-84.88	0.37	34.58	25.06
			C107	-571.14	-33.83	-67.01	0.32	27.34	20.47
			C108	-577.30	-32.99	-60.24	0.37	24.56	19.95
			C109	-1189.74	-48.05	-34.14	0.82	13.55	29.31
			C110	-1160.68	-46.55	-32.19	0.82	12.76	28.38
			C111	-908.78	-38.90	-22.84	0.72	9.04	23.69
			C112	-879.72	-37.40	-20.88	0.72	8.25	22.76
			C113	-540.00	-19.82	-0.62	0.79	0.09	11.76
			C114	-510.94	-18.32	1.34	0.79	-0.70	10.83
			C115	-389.24	-16.51	3.77	0.69	-1.65	9.78
			C116	-360.18	-15.00	5.72	0.69	-2.44	8.85
			C201	-913.94	-20.06	74.74	1.32	-31.05	12.09
			C202	-922.26	-18.93	83.88	1.39	-34.81	11.40
			C203	-587.64	-13.89	63.50	1.05	-26.29	8.33
			C204	-595.96	-12.76	72.63	1.11	-30.05	7.64
			C205	-658.74	-41.33	-116.80	0.04	47.74	25.06
			C206	-667.06	-40.19	-107.66	0.11	43.98	24.37
			C207	-379.53	-30.01	-83.54	0.04	34.21	18.17
			C208	-387.85	-28.88	-74.41	0.11	30.45	17.48
			C209	-1214.64	-49.22	-39.17	0.71	15.59	30.11
			C210	-1175.41	-47.19	-36.53	0.71	14.53	28.85
			C211	-835.35	-36.86	-23.91	0.59	9.50	22.52
			C212	-796.12	-34.83	-21.27	0.59	8.43	21.26
			C213	-337.49	-11.10	6.09	0.68	-2.59	6.42
			C214	-298.26	-9.07	8.73	0.68	-3.65	5.16
			C215	-133.97	-6.63	12.01	0.55	-4.93	3.74
			C216	-94.74	-4.60	14.65	0.55	-5.99	2.48
			C301	-794.40	-15.28	76.86	1.20	-31.88	9.20
			C302	-802.71	-14.15	86.00	1.27	-35.64	8.51
			C303	-468.10	-9.11	65.61	0.93	-27.11	5.44
			C304	-476.41	-7.98	74.75	1.00	-30.87	4.75
			C305	-539.20	-36.55	-114.69	-0.08	46.92	22.17
			C306	-547.51	-35.41	-105.55	-0.01	43.16	21.48
			C307	-259.99	-25.23	-81.43	-0.08	33.38	15.28
			C308	-268.30	-24.10	-72.29	-0.01	29.62	14.59
			C309	-1095.09	-44.44	-37.06	0.59	14.77	27.22
			C310	-1055.86	-42.41	-34.42	0.59	13.70	25.96
			C311	-715.80	-32.08	-21.79	0.47	8.67	19.63
			C312	-676.57	-30.05	-19.16	0.47	7.61	18.37
			C313	-217.94	-6.32	8.20	0.56	-3.41	3.53
			C314	-178.71	-4.29	10.84	0.56	-4.48	2.27
			C315	-14.42	-1.85	14.12	0.43	-5.75	0.86
			C316	24.81	0.18	16.76	0.43	-6.82	-0.41
	114		C101	-967.00	-26.46	50.24	1.27	39.28	-15.78
			C102	-973.16	-25.62	57.01	1.32	44.62	-15.29
			C103	-725.30	-21.89	41.91	1.06	32.82	-13.09
			C104	-731.46	-21.05	48.68	1.11	38.16	-12.59
			C105	-777.96	-42.21	-91.65	0.32	-72.61	-25.07
			C106	-784.12	-41.37	-84.88	0.37	-67.27	-24.58
			C107	-571.14	-33.83	-67.01	0.32	-53.08	-20.13
			C108	-577.30	-32.99	-60.24	0.37	-47.74	-19.63
			C109	-1189.74	-48.05	-34.14	0.82	-27.42	-28.35
			C110	-1160.68	-46.55	-32.19	0.82	-25.86	-27.48
			C111	-908.78	-38.90	-22.84	0.72	-18.37	-22.99
			C112	-879.72	-37.40	-20.88	0.72	-16.81	-22.12
			C113	-540.00	-19.82	-0.62	0.79	-0.65	-12.02

C114	-510.94	-18.32	1.34	0.79	0.90	-11.15
C115	-389.24	-16.51	3.77	0.69	2.87	-10.03
C116	-360.18	-15.00	5.72	0.69	4.43	-9.16
C201	-913.94	-20.06	74.74	1.32	58.64	-11.99
C202	-922.26	-18.93	83.88	1.39	65.85	-11.32
C203	-587.64	-13.89	63.50	1.05	49.91	-8.34
C204	-595.96	-12.76	72.63	1.11	57.11	-7.68
C205	-658.74	-41.33	-116.80	0.04	-92.42	-24.53
C206	-667.06	-40.19	-107.66	0.11	-85.21	-23.86
C207	-379.53	-30.01	-83.54	0.04	-66.05	-17.85
C208	-387.85	-28.88	-74.41	0.11	-58.84	-17.18
C209	-1214.64	-49.22	-39.17	0.71	-31.41	-28.95
C210	-1175.41	-47.19	-36.53	0.71	-29.31	-27.78
C211	-835.35	-36.86	-23.91	0.59	-19.19	-21.71
C212	-796.12	-34.83	-21.27	0.59	-17.09	-20.54
C213	-337.49	-11.10	6.09	0.68	4.72	-6.91
C214	-298.26	-9.07	8.73	0.68	6.82	-5.73
C215	-133.97	-6.63	12.01	0.55	9.48	-4.21
C216	-94.74	-4.60	14.65	0.55	11.58	-3.04
C301	-794.40	-15.28	76.86	1.20	60.35	-9.14
C302	-802.71	-14.15	86.00	1.27	67.56	-8.47
C303	-468.10	-9.11	65.61	0.93	51.62	-5.50
C304	-476.41	-7.98	74.75	1.00	58.83	-4.83
C305	-539.20	-36.55	-114.69	-0.08	-90.71	-21.68
C306	-547.51	-35.41	-105.55	-0.01	-83.50	-21.01
C307	-259.99	-25.23	-81.43	-0.08	-64.34	-15.00
C308	-268.30	-24.10	-72.29	-0.01	-57.13	-14.34
C309	-1095.09	-44.44	-37.06	0.59	-29.70	-26.11
C310	-1055.86	-42.41	-34.42	0.59	-27.60	-24.93
C311	-715.80	-32.08	-21.79	0.47	-17.48	-18.87
C312	-676.57	-30.05	-19.16	0.47	-15.38	-17.69
C313	-217.94	-6.32	8.20	0.56	6.43	-4.06
C314	-178.71	-4.29	10.84	0.56	8.53	-2.89
C315	-14.42	-1.85	14.12	0.43	11.19	-1.37
C316	24.81	0.18	16.76	0.43	13.29	-0.19

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2466

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
111- 211	111	DUM	C101	-1038.02	13.02	238.56	6.22	-94.93	-10.65
			C102	-1061.16	12.75	248.12	6.70	-98.68	-10.46
			C103	-825.29	10.74	189.85	4.89	-75.55	-8.85
			C104	-848.43	10.48	199.41	5.36	-79.30	-8.66
			C105	-526.98	19.79	33.94	-3.73	-14.65	-15.52
			C106	-550.11	19.53	43.51	-3.26	-18.40	-15.33
			C107	-422.76	15.54	30.70	-2.80	-13.09	-12.27
			C108	-445.90	15.27	40.26	-2.32	-16.85	-12.08
			C109	-756.34	-3.46	129.95	0.38	-52.30	2.76
			C110	-761.97	-1.30	131.65	0.54	-52.97	1.04
			C111	-616.51	-2.19	108.03	0.42	-43.45	1.66
			C112	-622.14	-0.03	109.73	0.58	-44.12	-0.05
			C113	-790.52	33.11	144.57	2.38	-58.00	-26.45
			C114	-796.15	35.27	146.28	2.54	-58.67	-28.17
			C115	-625.29	25.55	116.48	1.96	-46.70	-20.50
			C116	-630.92	27.71	118.18	2.12	-47.37	-22.22
			C201	-1036.32	10.10	256.75	7.70	-101.92	-8.39
			C202	-1067.56	9.74	269.66	8.34	-106.98	-8.14
			C203	-749.13	7.02	190.99	5.90	-75.76	-5.96
			C204	-780.37	6.67	203.90	6.53	-80.82	-5.71
			C205	-346.41	19.24	-19.49	-5.74	6.46	-14.96
			C206	-377.64	18.89	-6.58	-5.10	1.39	-14.71
			C207	-205.72	13.50	-23.87	-4.48	8.56	-10.58
			C208	-236.96	13.14	-10.96	-3.84	3.49	-10.33
			C209	-656.05	-12.14	110.12	-0.18	-44.38	9.71
			C210	-663.65	-9.23	112.42	0.03	-45.28	7.39
			C211	-467.28	-10.43	80.53	-0.14	-32.43	8.23
			C212	-474.87	-7.52	82.83	0.08	-33.33	5.91
			C213	-702.19	37.22	129.87	2.51	-52.06	-29.72
			C214	-709.79	40.14	132.16	2.72	-52.97	-32.04
			C215	-479.13	27.02	91.94	1.94	-36.82	-21.69
			C216	-486.72	29.94	94.24	2.15	-37.72	-24.01
			C301	-924.87	7.82	236.81	7.48	-93.91	-6.56
			C302	-956.10	7.46	249.72	8.12	-98.97	-6.31
			C303	-637.68	4.74	171.05	5.68	-67.75	-4.13
			C304	-668.92	4.38	183.96	6.32	-72.81	-3.88
			C305	-234.95	16.96	-39.43	-5.95	14.47	-13.13
			C306	-266.19	16.60	-26.52	-5.31	9.40	-12.88
			C307	-94.27	11.21	-43.81	-4.69	16.57	-8.75
			C308	-125.50	10.86	-30.90	-4.05	11.50	-8.50

	C309	-544.60	-14.42	90.18	-0.40	-36.37	11.53
	C310	-552.20	-11.51	92.48	-0.18	-37.27	9.22
	C311	-355.82	-12.72	60.59	-0.35	-24.42	10.06
	C312	-363.42	-9.80	62.89	-0.14	-25.32	7.74
	C313	-590.74	34.94	109.92	2.29	-44.05	-27.89
	C314	-598.33	37.85	112.22	2.51	-44.96	-30.21
	C315	-367.67	24.74	72.00	1.72	-28.81	-19.86
	C316	-375.27	27.65	74.30	1.94	-29.71	-22.18
211	C101	-1038.02	13.02	238.56	6.22	95.92	-0.23
	C102	-1061.16	12.75	248.12	6.70	99.82	-0.26
	C103	-825.29	10.74	189.85	4.89	76.33	-0.26
	C104	-848.43	10.48	199.41	5.36	80.23	-0.28
	C105	-526.98	19.79	33.94	-3.73	12.51	0.32
	C106	-550.11	19.53	43.51	-3.26	16.41	0.29
	C107	-422.76	15.54	30.70	-2.80	11.46	0.16
	C108	-445.90	15.27	40.26	-2.32	15.36	0.13
	C109	-756.34	-3.46	129.95	0.38	51.65	-0.01
	C110	-761.97	-1.30	131.65	0.54	52.35	0.00
	C111	-616.51	-2.19	108.03	0.42	42.97	-0.09
	C112	-622.14	-0.03	109.73	0.58	43.66	-0.08
	C113	-790.52	33.11	144.57	2.38	57.66	0.03
	C114	-796.15	35.27	146.28	2.54	58.36	0.05
	C115	-625.29	25.55	116.48	1.96	46.48	-0.06
	C116	-630.92	27.71	118.18	2.12	47.17	-0.05
	C201	-1036.32	10.10	256.75	7.70	103.48	-0.31
	C202	-1067.56	9.74	269.66	8.34	108.75	-0.34
	C203	-749.13	7.02	190.99	5.90	77.03	-0.34
	C204	-780.37	6.67	203.90	6.53	82.29	-0.38
	C205	-346.41	19.24	-19.49	-5.74	-9.13	0.43
	C206	-377.64	18.89	-6.58	-5.10	-3.87	0.40
	C207	-205.72	13.50	-23.87	-4.48	-10.54	0.22
	C208	-236.96	13.14	-10.96	-3.84	-5.27	0.19
	C209	-656.05	-12.14	110.12	-0.18	43.72	-0.01
	C210	-663.65	-9.23	112.42	0.03	44.65	0.01
	C211	-467.28	-10.43	80.53	-0.14	32.00	-0.12
	C212	-474.87	-7.52	82.83	0.08	32.93	-0.10
	C213	-702.19	37.22	129.87	2.51	51.83	0.05
	C214	-709.79	40.14	132.16	2.72	52.77	0.07
	C215	-479.13	27.02	91.94	1.94	36.74	-0.07
	C216	-486.72	29.94	94.24	2.15	37.67	-0.06
	C301	-924.87	7.82	236.81	7.48	95.54	-0.31
	C302	-956.10	7.46	249.72	8.12	100.80	-0.34
	C303	-637.68	4.74	171.05	5.68	69.09	-0.34
	C304	-668.92	4.38	183.96	6.32	74.35	-0.38
	C305	-234.95	16.96	-39.43	-5.95	-17.07	0.44
	C306	-266.19	16.60	-26.52	-5.31	-11.81	0.40
	C307	-94.27	11.21	-43.81	-4.69	-18.48	0.22
	C308	-125.50	10.86	-30.90	-4.05	-13.22	0.19
	C309	-544.60	-14.42	90.18	-0.40	35.77	-0.01
	C310	-552.20	-11.51	92.48	-0.18	36.71	0.01
	C311	-355.82	-12.72	60.59	-0.35	24.05	-0.12
	C312	-363.42	-9.80	62.89	-0.14	24.99	-0.10
	C313	-590.74	34.94	109.92	2.29	43.89	0.05
	C314	-598.33	37.85	112.22	2.51	44.82	0.07
	C315	-367.67	24.74	72.00	1.72	28.79	-0.07
	C316	-375.27	27.65	74.30	1.94	29.73	-0.05

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2467

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
112- 212	112	DUM	C101	-884.94	29.58	-108.54	1.89	44.40	-23.19
			C102	-891.99	30.92	-104.42	2.27	42.83	-24.22
			C103	-703.20	24.10	-86.29	1.55	35.30	-18.96
			C104	-710.25	25.44	-82.16	1.93	33.73	-20.00
			C105	-708.53	2.19	-189.19	-6.05	74.95	-2.20
			C106	-715.58	3.54	-185.06	-5.67	73.38	-3.23
			C107	-558.31	2.64	-146.71	-4.52	58.16	-2.51
			C108	-565.36	3.98	-142.59	-4.14	56.59	-3.54
			C109	-776.74	-4.59	-147.80	-1.54	59.23	3.61
			C110	-780.12	-2.21	-147.60	-1.58	59.16	1.72
			C111	-627.01	-2.34	-117.46	-1.05	47.11	1.77
			C112	-630.39	0.05	-117.26	-1.09	47.03	-0.12
			C113	-783.07	34.75	-138.73	-2.07	55.71	-27.70
			C114	-786.45	37.14	-138.52	-2.11	55.64	-29.59
			C115	-613.29	27.65	-106.77	-1.41	42.91	-22.10
			C116	-616.67	30.04	-106.56	-1.45	42.84	-23.98
			C201	-828.20	32.15	-79.73	3.37	33.14	-25.08
			C202	-837.72	33.96	-74.16	3.88	31.02	-26.47
			C203	-582.85	24.74	-49.69	2.92	20.85	-19.38

	C204	-592.37	26.56	-44.12	3.42	18.73	-20.77
	C205	-590.04	-4.82	-188.60	-7.34	74.38	3.25
	C206	-599.56	-3.01	-183.03	-6.83	72.26	1.86
	C207	-387.25	-4.22	-131.26	-5.28	51.70	2.83
	C208	-396.77	-2.41	-125.69	-4.77	49.58	1.44
	C209	-682.13	-13.98	-132.73	-1.26	53.16	11.10
	C210	-686.69	-10.76	-132.45	-1.31	53.06	8.55
	C211	-479.99	-10.94	-91.77	-0.60	36.79	8.61
	C212	-484.55	-7.72	-91.49	-0.66	36.69	6.06
	C213	-690.67	39.13	-120.48	-1.97	48.40	-31.18
	C214	-695.23	42.35	-120.20	-2.02	48.30	-33.72
	C215	-461.47	29.55	-77.33	-1.08	31.13	-23.61
	C216	-466.03	32.77	-77.05	-1.13	31.03	-26.15
	C301	-716.30	29.77	-59.33	3.62	24.95	-23.18
	C302	-725.82	31.58	-53.76	4.13	22.83	-24.57
	C303	-470.95	22.37	-29.29	3.17	12.67	-17.48
	C304	-480.48	24.18	-23.72	3.67	10.55	-18.87
	C305	-478.14	-7.20	-168.20	-7.09	66.19	5.15
	C306	-487.67	-5.39	-162.63	-6.58	64.07	3.76
	C307	-275.35	-6.60	-110.86	-5.03	43.52	4.73
	C308	-284.87	-4.78	-105.29	-4.52	41.40	3.34
	C309	-570.23	-16.36	-112.33	-1.01	44.97	13.00
	C310	-574.79	-13.14	-112.05	-1.06	44.87	10.45
	C311	-368.09	-13.32	-71.38	-0.35	28.60	10.51
	C312	-372.65	-10.10	-71.09	-0.41	28.50	7.96
	C313	-578.77	36.76	-100.09	-1.72	40.22	-29.28
	C314	-583.33	39.98	-99.81	-1.77	40.12	-31.82
	C315	-349.57	27.17	-56.94	-0.83	22.94	-21.71
	C316	-354.13	30.39	-56.66	-0.88	22.84	-24.25
212	C101	-884.94	29.58	-108.54	1.89	-42.43	0.47
	C102	-891.99	30.92	-104.42	2.27	-40.70	0.52
	C103	-703.20	24.10	-86.29	1.55	-33.73	0.31
	C104	-710.25	25.44	-82.16	1.93	-32.00	0.36
	C105	-708.53	2.19	-189.19	-6.05	-76.40	-0.45
	C106	-715.58	3.54	-185.06	-5.67	-74.67	-0.40
	C107	-558.31	2.64	-146.71	-4.52	-59.21	-0.40
	C108	-565.36	3.98	-142.59	-4.14	-57.48	-0.36
	C109	-776.74	-4.59	-147.80	-1.54	-59.01	-0.06
	C110	-780.12	-2.21	-147.60	-1.58	-58.92	-0.04
	C111	-627.01	-2.34	-117.46	-1.05	-46.86	-0.10
	C112	-630.39	0.05	-117.26	-1.09	-46.77	-0.08
	C113	-783.07	34.75	-138.73	-2.07	-55.27	0.10
	C114	-786.45	37.14	-138.52	-2.11	-55.18	0.12
	C115	-613.29	27.65	-106.77	-1.41	-42.50	0.03
	C116	-616.67	30.04	-106.56	-1.45	-42.41	0.05
	C201	-828.20	32.15	-79.73	3.37	-30.65	0.63
	C202	-837.72	33.96	-74.16	3.88	-28.31	0.69
	C203	-582.85	24.74	-49.69	2.92	-18.90	0.42
	C204	-592.37	26.56	-44.12	3.42	-16.56	0.47
	C205	-590.04	-4.82	-188.60	-7.34	-76.51	-0.61
	C206	-599.56	-3.01	-183.03	-6.83	-74.17	-0.55
	C207	-387.25	-4.22	-131.26	-5.28	-53.30	-0.55
	C208	-396.77	-2.41	-125.69	-4.77	-50.97	-0.49
	C209	-682.13	-13.98	-132.73	-1.26	-53.03	-0.09
	C210	-686.69	-10.76	-132.45	-1.31	-52.90	-0.06
	C211	-479.99	-10.94	-91.77	-0.60	-36.63	-0.14
	C212	-484.55	-7.72	-91.49	-0.66	-36.50	-0.12
	C213	-690.67	39.13	-120.48	-1.97	-47.98	0.13
	C214	-695.23	42.35	-120.20	-2.02	-47.86	0.16
	C215	-461.47	29.55	-77.33	-1.08	-30.74	0.03
	C216	-466.03	32.77	-77.05	-1.13	-30.61	0.06
	C301	-716.30	29.77	-59.33	3.62	-22.52	0.63
	C302	-725.82	31.58	-53.76	4.13	-20.18	0.69
	C303	-470.95	22.37	-29.29	3.17	-10.76	0.41
	C304	-480.48	24.18	-23.72	3.67	-8.43	0.47
	C305	-478.14	-7.20	-168.20	-7.09	-68.37	-0.61
	C306	-487.67	-5.39	-162.63	-6.58	-66.04	-0.55
	C307	-275.35	-6.60	-110.86	-5.03	-45.17	-0.55
	C308	-284.87	-4.78	-105.29	-4.52	-42.83	-0.49
	C309	-570.23	-16.36	-112.33	-1.01	-44.90	-0.09
	C310	-574.79	-13.14	-112.05	-1.06	-44.77	-0.06
	C311	-368.09	-13.32	-71.38	-0.35	-28.50	-0.15
	C312	-372.65	-10.10	-71.09	-0.41	-28.37	-0.12
	C313	-578.77	36.76	-100.09	-1.72	-39.85	0.13
	C314	-583.33	39.98	-99.81	-1.77	-39.72	0.16
	C315	-349.57	27.17	-56.94	-0.83	-22.61	0.03
	C316	-354.13	30.39	-56.66	-0.88	-22.48	0.06

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2468

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

				********** KN **********			********** KN-M **********		
MEMBER	MEMBER	GROUP	LOAD	FORCE(X)	FORCE(Y)	FORCE(Z)	MOMENT(X)	MOMENT(Y)	MOMENT(Z)

NUMBER	END	ID	CASE						
113- 213	113	DUM	C101	-1110.64	-53.74	215.22	-3.90	-85.52	42.15
			C102	-1133.62	-56.12	221.00	-4.04	-87.75	43.99
			C103	-836.47	-40.75	162.84	-3.11	-64.68	31.88
			C104	-859.45	-43.12	168.63	-3.25	-66.92	33.72
			C105	-569.42	0.03	84.66	-0.80	-34.97	0.45
			C106	-592.40	-2.34	90.44	-0.94	-37.21	2.29
			C107	-411.50	0.67	60.74	-0.71	-25.13	-0.25
			C108	-434.48	-1.71	66.53	-0.85	-27.36	1.59
			C109	-1177.66	-56.96	209.34	-3.46	-84.08	45.21
			C110	-1148.36	-54.08	204.38	-3.34	-82.08	42.93
			C111	-901.30	-44.14	160.74	-2.83	-64.54	34.95
			C112	-871.99	-41.26	155.78	-2.71	-62.54	32.67
			C113	-506.08	-0.47	92.70	-1.40	-37.20	0.28
			C114	-476.78	2.40	87.74	-1.28	-35.20	-2.00
			C115	-366.55	-0.17	67.87	-1.19	-27.21	-0.02
			C116	-337.25	2.71	62.91	-1.07	-25.21	-2.30
			C201	-1118.15	-59.93	221.98	-4.14	-87.93	46.92
			C202	-1149.17	-63.14	229.79	-4.33	-90.95	49.41
			C203	-748.02	-42.39	151.28	-3.08	-59.80	33.05
			C204	-779.04	-45.60	159.09	-3.27	-62.82	35.54
			C205	-387.50	12.67	45.73	0.04	-19.69	-9.38
			C206	-418.53	9.46	53.54	-0.14	-22.71	-6.89
			C207	-174.31	13.53	13.44	0.16	-6.40	-10.32
			C208	-205.33	10.32	21.25	-0.03	-9.42	-7.83
			C209	-1208.63	-64.27	214.05	-3.55	-85.98	51.05
			C210	-1169.07	-60.39	207.35	-3.39	-83.28	47.97
			C211	-835.54	-46.96	148.44	-2.70	-59.61	37.20
			C212	-795.97	-43.08	141.75	-2.54	-56.91	34.12
			C213	-301.99	11.99	56.59	-0.77	-22.69	-9.61
			C214	-262.43	15.87	49.89	-0.61	-19.99	-12.68
			C215	-113.63	12.39	23.06	-0.48	-9.20	-10.01
			C216	-74.07	16.27	16.37	-0.32	-6.51	-13.09
			C301	-1001.75	-56.08	201.05	-3.80	-79.53	43.88
			C302	-1032.77	-59.29	208.86	-3.99	-82.54	46.36
			C303	-631.62	-38.53	130.35	-2.74	-51.40	30.01
			C304	-662.64	-41.74	138.15	-2.93	-54.41	32.49
			C305	-271.10	16.52	24.80	0.39	-11.29	-12.43
			C306	-302.12	13.31	32.60	0.20	-14.30	-9.94
			C307	-57.91	17.38	-7.49	0.50	2.00	-13.37
			C308	-88.93	14.17	0.32	0.31	-1.01	-10.88
			C309	-1092.23	-60.42	193.11	-3.21	-77.58	48.00
			C310	-1052.67	-56.54	186.42	-3.05	-74.88	44.93
			C311	-719.13	-43.11	127.51	-2.36	-51.20	34.15
			C312	-679.57	-39.23	120.81	-2.20	-48.50	31.07
			C313	-185.59	15.84	35.65	-0.42	-14.29	-12.65
			C314	-146.03	19.72	28.96	-0.26	-11.59	-15.73
			C315	2.77	16.25	2.13	-0.14	-0.80	-13.06
			C316	42.33	20.13	-4.57	0.02	1.90	-16.14
	213		C101	-1110.64	-53.74	215.22	-3.90	86.65	-0.84
			C102	-1133.62	-56.12	221.00	-4.04	89.05	-0.90
			C103	-836.47	-40.75	162.84	-3.11	65.59	-0.72
			C104	-859.45	-43.12	168.63	-3.25	67.98	-0.78
			C105	-569.42	0.03	84.66	-0.80	32.76	0.48
			C106	-592.40	-2.34	90.44	-0.94	35.15	0.41
			C107	-411.50	0.67	60.74	-0.71	23.47	0.29
			C108	-434.48	-1.71	66.53	-0.85	25.86	0.23
			C109	-1177.66	-56.96	209.34	-3.46	83.39	-0.36
			C110	-1148.36	-54.08	204.38	-3.34	81.42	-0.34
			C111	-901.30	-44.14	160.74	-2.83	64.05	-0.36
			C112	-871.99	-41.26	155.78	-2.71	62.09	-0.34
			C113	-506.08	-0.47	92.70	-1.40	36.97	-0.10
			C114	-476.78	2.40	87.74	-1.28	35.00	-0.08
			C115	-366.55	-0.17	67.87	-1.19	27.09	-0.16
			C116	-337.25	2.71	62.91	-1.07	25.12	-0.14
			C201	-1118.15	-59.93	221.98	-4.14	89.66	-1.02
			C202	-1149.17	-63.14	229.79	-4.33	92.89	-1.10
			C203	-748.02	-42.39	151.28	-3.08	61.22	-0.86
			C204	-779.04	-45.60	159.09	-3.27	64.45	-0.94
			C205	-387.50	12.67	45.73	0.04	16.90	0.76
			C206	-418.53	9.46	53.54	-0.14	20.13	0.67
			C207	-174.31	13.53	13.44	0.16	4.35	0.50
			C208	-205.33	10.32	21.25	-0.03	7.58	0.42
			C209	-1208.63	-64.27	214.05	-3.55	85.25	-0.37
			C210	-1169.07	-60.39	207.35	-3.39	82.60	-0.34
			C211	-835.54	-46.96	148.44	-2.70	59.15	-0.37
			C212	-795.97	-43.08	141.75	-2.54	56.49	-0.34
			C213	-301.99	11.99	56.59	-0.77	22.58	-0.02
			C214	-262.43	15.87	49.89	-0.61	19.92	0.01
			C215	-113.63	12.39	23.06	-0.48	9.25	-0.10
			C216	-74.07	16.27	16.37	-0.32	6.59	-0.07
			C301	-1001.75	-56.08	201.05	-3.80	81.31	-0.98
			C302	-1032.77	-59.29	208.86	-3.99	84.54	-1.07
			C303	-631.62	-38.53	130.35	-2.74	52.88	-0.82
			C304	-662.64	-41.74	138.15	-2.93	56.11	-0.90

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C305	-271.10	16.52	24.80	0.39	8.55	0.79
		C306	-302.12	13.31	32.60	0.20	11.78	0.71
		C307	-57.91	17.38	-7.49	0.50	-3.99	0.54
		C308	-88.93	14.17	0.32	0.31	-0.76	0.46
		C309	-1092.23	-60.42	193.11	-3.21	76.91	-0.33
		C310	-1052.67	-56.54	186.42	-3.05	74.25	-0.30
		C311	-719.13	-43.11	127.51	-2.36	50.80	-0.34
		C312	-679.57	-39.23	120.81	-2.20	48.15	-0.31
		C313	-185.59	15.84	35.65	-0.42	14.23	0.02
		C314	-146.03	19.72	28.96	-0.26	11.58	0.04
		C315	2.77	16.25	2.13	-0.14	0.90	-0.06
		C316	42.33	20.13	-4.57	0.02	-1.76	-0.04

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2469

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
114- 214	114	DUM	C101	-972.71	-12.18	-160.37	1.53	65.20	10.21
			C102	-981.40	-10.40	-160.34	1.44	65.28	8.85
			C103	-725.95	-7.41	-118.86	1.18	48.38	6.25
			C104	-734.65	-5.62	-118.83	1.09	48.45	4.89
			C105	-727.92	-46.33	-148.47	3.15	58.61	36.09
			C106	-736.62	-44.55	-148.44	3.06	58.68	34.74
			C107	-529.26	-33.59	-108.26	2.41	42.73	26.09
			C108	-537.95	-31.81	-108.23	2.33	42.80	24.74
			C109	-1193.42	-60.95	-216.05	3.53	86.57	48.28
			C110	-1162.12	-57.50	-210.28	3.39	84.27	45.56
			C111	-908.27	-45.57	-163.87	2.77	65.70	36.06
			C112	-876.97	-42.12	-158.10	2.62	63.40	33.33
			C113	-497.11	2.74	-89.34	1.08	35.94	-2.18
			C114	-465.81	6.19	-83.57	0.93	33.64	-4.91
			C115	-353.54	4.21	-62.86	0.81	25.34	-3.39
			C116	-322.24	7.67	-57.09	0.66	23.04	-6.11
			C201	-931.83	-4.09	-147.75	1.03	60.43	4.00
			C202	-943.57	-1.68	-147.70	0.91	60.53	2.17
			C203	-598.71	2.36	-91.71	0.56	37.73	-1.34
			C204	-610.45	4.76	-91.67	0.44	37.82	-3.17
			C205	-601.37	-50.20	-131.69	3.21	51.53	38.95
			C206	-613.11	-47.79	-131.64	3.10	51.63	37.12
			C207	-333.18	-33.00	-77.40	2.22	30.10	25.45
			C208	-344.91	-30.59	-77.35	2.11	30.19	23.62
			C209	-1229.79	-69.93	-222.92	3.73	89.27	55.40
			C210	-1187.54	-65.27	-215.12	3.53	86.17	51.72
			C211	-844.83	-49.17	-152.48	2.70	61.10	38.90
			C212	-802.58	-44.51	-144.68	2.50	57.99	35.22
			C213	-289.77	16.05	-51.86	0.43	20.93	-12.73
			C214	-247.52	20.71	-44.06	0.22	17.82	-16.41
			C215	-95.95	18.04	-16.11	0.05	6.62	-14.35
			C216	-53.70	22.70	-8.32	-0.15	3.51	-18.03
			C301	-815.40	-0.32	-126.76	0.71	52.01	1.01
			C302	-827.14	2.09	-126.71	0.60	52.11	-0.82
			C303	-482.28	6.13	-70.72	0.24	29.30	-4.33
			C304	-494.02	8.53	-70.67	0.12	29.40	-6.16
			C305	-484.94	-46.43	-110.69	2.89	43.11	35.96
			C306	-496.68	-44.02	-110.64	2.78	43.21	34.13
			C307	-216.74	-29.23	-56.41	1.90	21.67	22.46
			C308	-228.48	-26.82	-56.36	1.79	21.77	20.63
			C309	-1113.36	-66.16	-201.92	3.42	80.85	52.42
			C310	-1071.10	-61.50	-194.13	3.22	77.74	48.74
			C311	-728.40	-45.40	-131.48	2.38	52.68	35.91
			C312	-686.14	-40.73	-123.69	2.18	49.57	32.23
			C313	-173.34	19.82	-30.86	0.11	12.51	-15.71
			C314	-131.08	24.48	-23.07	-0.09	9.40	-19.39
			C315	20.48	21.81	4.88	-0.26	-1.81	-17.34
			C316	62.73	26.48	12.68	-0.46	-4.91	-21.02
	214		C101	-972.71	-12.18	-160.37	1.53	-63.09	0.46
			C102	-981.40	-10.40	-160.34	1.44	-62.99	0.53
			C103	-725.95	-7.41	-118.86	1.18	-46.71	0.33
			C104	-734.65	-5.62	-118.83	1.09	-46.61	0.39
			C105	-727.92	-46.33	-148.47	3.15	-60.17	-0.97
			C106	-736.62	-44.55	-148.44	3.06	-60.07	-0.90
			C107	-529.26	-33.59	-108.26	2.41	-43.88	-0.78
			C108	-537.95	-31.81	-108.23	2.33	-43.78	-0.71
			C109	-1193.42	-60.95	-216.05	3.53	-86.27	-0.48
			C110	-1162.12	-57.50	-210.28	3.39	-83.96	-0.44
			C111	-908.27	-45.57	-163.87	2.77	-65.40	-0.40
			C112	-876.97	-42.12	-158.10	2.62	-63.08	-0.36
			C113	-497.11	2.74	-89.34	1.08	-35.53	0.01
			C114	-465.81	6.19	-83.57	0.93	-33.21	0.04
			C115	-353.54	4.21	-62.86	0.81	-24.95	-0.02

C116	-322.24	7.67	-57.09	0.66	-22.63	0.02
C201	-931.83	-4.09	-147.75	1.03	-57.77	0.73
C202	-943.57	-1.68	-147.70	0.91	-57.63	0.82
C203	-598.71	2.36	-91.71	0.56	-35.64	0.54
C204	-610.45	4.76	-91.67	0.44	-35.51	0.64
C205	-601.37	-50.20	-131.69	3.21	-53.82	-1.21
C206	-613.11	-47.79	-131.64	3.10	-53.68	-1.12
C207	-333.18	-33.00	-77.40	2.22	-31.82	-0.95
C208	-344.91	-30.59	-77.35	2.11	-31.69	-0.86
C209	-1229.79	-69.93	-222.92	3.73	-89.06	-0.54
C210	-1187.54	-65.27	-215.12	3.53	-85.93	-0.49
C211	-844.83	-49.17	-152.48	2.70	-60.88	-0.44
C212	-802.58	-44.51	-144.68	2.50	-57.75	-0.39
C213	-289.77	16.05	-51.86	0.43	-20.55	0.11
C214	-247.52	20.71	-44.06	0.22	-17.43	0.16
C215	-95.95	18.04	-16.11	0.05	-6.27	0.08
C216	-53.70	22.70	-8.32	-0.15	-3.14	0.13
C301	-815.40	-0.32	-126.76	0.71	-49.40	0.76
C302	-827.14	2.09	-126.71	0.60	-49.26	0.85
C303	-482.28	6.13	-70.72	0.24	-27.27	0.58
C304	-494.02	8.53	-70.67	0.12	-27.14	0.67
C305	-484.94	-46.43	-110.69	2.89	-45.45	-1.18
C306	-496.68	-44.02	-110.64	2.78	-45.31	-1.08
C307	-216.74	-29.23	-56.41	1.90	-23.45	-0.92
C308	-228.48	-26.82	-56.36	1.79	-23.32	-0.82
C309	-1113.36	-66.16	-201.92	3.42	-80.69	-0.51
C310	-1071.10	-61.50	-194.13	3.22	-77.56	-0.46
C311	-728.40	-45.40	-131.48	2.38	-52.51	-0.41
C312	-686.14	-40.73	-123.69	2.18	-49.38	-0.35
C313	-173.34	19.82	-30.86	0.11	-12.18	0.14
C314	-131.08	24.48	-23.07	-0.09	-9.06	0.20
C315	20.48	21.81	4.88	-0.26	2.10	0.11
C316	62.73	26.48	12.68	-0.46	5.23	0.16

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2470

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
147- 155	147	DUM	C101	-461.70	46.22	-49.97	5.08	58.31	-27.99
			C102	-437.60	44.54	-54.47	5.41	63.55	-26.99
			C103	-331.26	30.44	-36.57	3.88	42.67	-18.46
			C104	-307.17	28.76	-41.07	4.21	47.90	-17.46
			C105	-1291.06	113.31	57.04	-2.26	-65.86	-68.42
			C106	-1266.96	111.64	52.53	-1.93	-60.63	-67.42
			C107	-1035.25	88.96	45.32	-1.67	-52.32	-53.74
			C108	-1011.16	87.29	40.81	-1.34	-47.09	-52.73
			C109	-744.47	71.43	2.98	0.83	-3.11	-43.07
			C110	-749.74	71.43	3.07	0.86	-3.22	-43.08
			C111	-566.33	51.89	3.18	0.71	-3.43	-31.30
			C112	-571.60	51.89	3.28	0.74	-3.54	-31.31
			C113	-935.48	81.91	-0.32	2.22	0.67	-49.61
			C114	-940.75	81.91	-0.23	2.25	0.56	-49.61
			C115	-741.87	62.83	1.09	1.75	-1.04	-38.07
			C116	-747.14	62.83	1.18	1.78	-1.15	-38.08
			C201	-230.55	27.07	-68.29	6.13	79.54	-16.43
			C202	-198.02	24.81	-74.37	6.58	86.60	-15.08
			C203	-54.46	5.76	-50.20	4.51	58.42	-3.57
			C204	-21.93	3.51	-56.28	4.95	65.49	-2.21
			C205	-1350.18	117.64	76.17	-3.78	-88.10	-71.02
			C206	-1317.65	115.38	70.09	-3.33	-81.03	-69.66
			C207	-1004.85	84.77	60.34	-2.98	-69.82	-51.19
			C208	-972.32	82.52	54.26	-2.53	-62.76	-49.83
			C209	-612.29	61.11	3.19	0.40	-3.38	-36.79
			C210	-619.40	61.11	3.31	0.43	-3.53	-36.80
			C211	-371.80	34.72	3.47	0.23	-3.82	-20.90
			C212	-378.91	34.72	3.59	0.27	-3.97	-20.91
			C213	-870.15	75.25	-1.26	2.27	1.72	-45.61
			C214	-877.27	75.25	-1.14	2.31	1.57	-45.62
			C215	-608.78	49.50	0.64	1.64	-0.58	-30.04
			C216	-615.89	49.50	0.77	1.68	-0.73	-30.05
			C301	-110.62	16.28	-68.54	5.91	79.79	-9.91
			C302	-78.10	14.02	-74.62	6.35	86.85	-8.55
			C303	65.46	-5.02	-50.45	4.29	58.67	2.95
			C304	97.99	-7.28	-56.53	4.73	65.73	4.31
			C305	-1230.26	106.85	75.92	-4.00	-87.85	-64.49
			C306	-1197.73	104.60	69.83	-3.55	-80.78	-63.14
			C307	-884.93	73.99	60.09	-3.20	-69.57	-44.67
			C308	-852.40	71.73	54.01	-2.76	-62.51	-43.31
			C309	-492.37	50.32	2.94	0.18	-3.13	-30.27
			C310	-499.48	50.32	3.06	0.21	-3.28	-30.28

	C311	-251.88	23.93	3.21	0.01	-3.57	-14.38
	C312	-258.99	23.93	3.34	0.05	-3.72	-14.39
	C313	-750.23	64.46	-1.52	2.05	1.96	-39.09
	C314	-757.34	64.46	-1.39	2.09	1.82	-39.10
	C315	-488.86	38.71	0.39	1.42	-0.33	-23.51
	C316	-495.97	38.71	0.51	1.46	-0.48	-23.53
155	C101	-461.70	46.22	-49.97	5.08	-1.65	27.47
	C102	-437.60	44.54	-54.47	5.41	-1.82	26.47
	C103	-331.26	30.44	-36.57	3.88	-1.21	18.06
	C104	-307.17	28.76	-41.07	4.21	-1.38	17.06
	C105	-1291.06	113.31	57.04	-2.26	2.58	67.54
	C106	-1266.96	111.64	52.53	-1.93	2.41	66.55
	C107	-1035.25	88.96	45.32	-1.67	2.05	53.02
	C108	-1011.16	87.29	40.81	-1.34	1.88	52.02
	C109	-744.47	71.43	2.98	0.83	0.47	42.65
	C110	-749.74	71.43	3.07	0.86	0.47	42.64
	C111	-566.33	51.89	3.18	0.71	0.39	30.96
	C112	-571.60	51.89	3.28	0.74	0.39	30.95
	C113	-935.48	81.91	-0.32	2.22	0.28	48.68
	C114	-940.75	81.91	-0.23	2.25	0.28	48.67
	C115	-741.87	62.83	1.09	1.75	0.28	37.33
	C116	-747.14	62.83	1.18	1.78	0.28	37.32
	C201	-230.55	27.07	-68.29	6.13	-2.41	16.04
	C202	-198.02	24.81	-74.37	6.58	-2.64	14.70
	C203	-54.46	5.76	-50.20	4.51	-1.82	3.35
	C204	-21.93	3.51	-56.28	4.95	-2.05	2.00
	C205	-1350.18	117.64	76.17	-3.78	3.31	70.15
	C206	-1317.65	115.38	70.09	-3.33	3.07	68.80
	C207	-1004.85	84.77	60.34	-2.98	2.59	50.54
	C208	-972.32	82.52	54.26	-2.53	2.36	49.19
	C209	-612.29	61.11	3.19	0.40	0.45	36.54
	C210	-619.40	61.11	3.31	0.43	0.45	36.53
	C211	-371.80	34.72	3.47	0.23	0.34	20.76
	C212	-378.91	34.72	3.59	0.27	0.34	20.75
	C213	-870.15	75.25	-1.26	2.27	0.20	44.69
	C214	-877.27	75.25	-1.14	2.31	0.20	44.68
	C215	-608.78	49.50	0.64	1.64	0.19	29.36
	C216	-615.89	49.50	0.77	1.68	0.19	29.35
	C301	-110.62	16.28	-68.54	5.91	-2.46	9.62
	C302	-78.10	14.02	-74.62	6.35	-2.70	8.27
	C303	65.46	-5.02	-50.45	4.29	-1.87	-3.08
	C304	97.99	-7.28	-56.53	4.73	-2.11	-4.43
	C305	-1230.26	106.85	75.92	-4.00	3.25	63.73
	C306	-1197.73	104.60	69.83	-3.55	3.02	62.38
	C307	-884.93	73.99	60.09	-3.20	2.54	44.12
	C308	-852.40	71.73	54.01	-2.76	2.30	42.77
	C309	-492.37	50.32	2.94	0.18	0.39	30.11
	C310	-499.48	50.32	3.06	0.21	0.39	30.10
	C311	-251.88	23.93	3.21	0.01	0.29	14.34
	C312	-258.99	23.93	3.34	0.05	0.28	14.33
	C313	-750.23	64.46	-1.52	2.05	0.15	38.26
	C314	-757.34	64.46	-1.39	2.09	0.15	38.25
	C315	-488.86	38.71	0.39	1.42	0.14	22.94
	C316	-495.97	38.71	0.51	1.46	0.13	22.93

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2471

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
148- 156	148	DUM	C101	-450.89	-40.28	-27.72	-3.93	32.50	24.35
			C102	-424.10	-37.23	-30.38	-4.22	35.60	22.51
			C103	-311.01	-30.38	-19.71	-2.84	23.09	18.37
			C104	-284.23	-27.33	-22.38	-3.13	26.18	16.53
			C105	-1350.76	-134.47	35.87	2.45	-41.24	81.16
			C106	-1323.98	-131.42	33.20	2.16	-38.15	79.32
			C107	-1073.63	-108.79	28.91	1.97	-33.27	65.67
			C108	-1046.85	-105.74	26.25	1.67	-30.17	63.83
			C109	-630.59	-57.79	3.65	-0.98	-4.07	35.01
			C110	-647.31	-59.86	3.73	-0.96	-4.15	36.26
			C111	-467.95	-45.23	3.81	-0.65	-4.33	27.41
			C112	-484.66	-47.31	3.89	-0.63	-4.41	28.65
			C113	-1080.65	-107.84	1.87	-0.74	-1.65	65.00
			C114	-1097.37	-109.91	1.95	-0.72	-1.74	66.24
			C115	-841.93	-86.14	2.72	-0.49	-2.79	51.94
			C116	-858.65	-88.22	2.81	-0.47	-2.87	53.18
			C201	-207.72	-15.07	-38.92	-4.92	45.46	9.13
			C202	-171.56	-10.95	-42.52	-5.32	49.64	6.65
			C203	-18.89	-1.70	-28.11	-3.45	32.75	1.06
			C204	17.27	2.42	-31.71	-3.84	36.93	-1.42
			C205	-1422.55	-142.22	46.92	3.68	-54.10	85.83

	C206	-1386.39	-138.10	43.33	3.29	-49.92	83.34
	C207	-1048.42	-107.55	37.54	3.03	-43.33	64.91
	C208	-1012.26	-103.43	33.94	2.64	-39.15	62.42
	C209	-450.32	-38.70	3.43	-0.95	-3.91	23.53
	C210	-472.89	-41.50	3.54	-0.92	-4.03	25.20
	C211	-230.75	-21.74	3.65	-0.49	-4.26	13.26
	C212	-253.32	-24.54	3.76	-0.47	-4.37	14.94
	C213	-1057.90	-106.26	1.02	-0.62	-0.65	64.01
	C214	-1080.47	-109.06	1.14	-0.60	-0.77	65.69
	C215	-735.63	-76.98	2.18	-0.28	-2.18	46.37
	C216	-758.20	-79.78	2.29	-0.25	-2.29	48.05
	C301	-85.28	-3.06	-39.38	-4.81	45.94	1.88
	C302	-49.12	1.06	-42.97	-5.20	50.13	-0.60
	C303	103.55	10.31	-28.56	-3.33	33.23	-6.19
	C304	139.71	14.43	-32.16	-3.73	37.41	-8.67
	C305	-1300.11	-130.21	46.47	3.80	-53.62	78.58
	C306	-1263.95	-126.09	42.87	3.40	-49.43	76.09
	C307	-925.99	-95.54	37.08	3.15	-42.85	57.66
	C308	-889.82	-91.42	33.48	2.75	-38.67	55.18
	C309	-327.89	-26.69	2.97	-0.83	-3.43	16.28
	C310	-350.46	-29.49	3.09	-0.80	-3.54	17.95
	C311	-108.31	-9.74	3.19	-0.38	-3.78	6.01
	C312	-130.88	-12.54	3.30	-0.35	-3.89	7.69
	C313	-935.46	-94.26	0.57	-0.51	-0.17	56.76
	C314	-958.03	-97.06	0.68	-0.48	-0.28	58.44
	C315	-613.19	-64.97	1.72	-0.17	-1.70	39.13
	C316	-635.76	-67.77	1.83	-0.14	-1.81	40.80
156	C101	-450.89	-40.28	-27.72	-3.93	-0.76	-23.99
	C102	-424.10	-37.23	-30.38	-4.22	-0.86	-22.17
	C103	-311.01	-30.38	-19.71	-2.84	-0.57	-18.09
	C104	-284.23	-27.33	-22.38	-3.13	-0.67	-16.26
	C105	-1350.76	-134.47	35.87	2.45	1.80	-80.20
	C106	-1323.98	-131.42	33.20	2.16	1.70	-78.38
	C107	-1073.63	-108.79	28.91	1.97	1.43	-64.88
	C108	-1046.85	-105.74	26.25	1.67	1.32	-63.06
	C109	-630.59	-57.79	3.65	-0.98	0.31	-34.34
	C110	-647.31	-59.86	3.73	-0.96	0.33	-35.58
	C111	-467.95	-45.23	3.81	-0.65	0.25	-26.87
	C112	-484.66	-47.31	3.89	-0.63	0.26	-28.12
	C113	-1080.65	-107.84	1.87	-0.74	0.59	-64.40
	C114	-1097.37	-109.91	1.95	-0.72	0.61	-65.65
	C115	-841.93	-86.14	2.72	-0.49	0.48	-51.44
	C116	-858.65	-88.22	2.81	-0.47	0.50	-52.68
	C201	-207.72	-15.07	-38.92	-4.92	-1.24	-8.95
	C202	-171.56	-10.95	-42.52	-5.32	-1.38	-6.49
	C203	-18.89	-1.70	-28.11	-3.45	-0.98	-0.98
	C204	17.27	2.42	-31.71	-3.84	-1.12	1.48
	C205	-1422.55	-142.22	46.92	3.68	2.21	-84.84
	C206	-1386.39	-138.10	43.33	3.29	2.07	-82.38
	C207	-1048.42	-107.55	37.54	3.03	1.71	-64.15
	C208	-1012.26	-103.43	33.94	2.64	1.57	-61.69
	C209	-450.32	-38.70	3.43	-0.95	0.20	-22.91
	C210	-472.89	-41.50	3.54	-0.92	0.23	-24.59
	C211	-230.75	-21.74	3.65	-0.49	0.12	-12.84
	C212	-253.32	-24.54	3.76	-0.47	0.14	-14.52
	C213	-1057.90	-106.26	1.02	-0.62	0.58	-63.51
	C214	-1080.47	-109.06	1.14	-0.60	0.60	-65.19
	C215	-735.63	-76.98	2.18	-0.28	0.43	-46.00
	C216	-758.20	-79.78	2.29	-0.25	0.46	-47.68
	C301	-85.28	-3.06	-39.38	-4.81	-1.31	-1.79
	C302	-49.12	1.06	-42.97	-5.20	-1.44	0.67
	C303	103.55	10.31	-28.56	-3.33	-1.05	6.18
	C304	139.71	14.43	-32.16	-3.73	-1.18	8.64
	C305	-1300.11	-130.21	46.47	3.80	2.14	-77.68
	C306	-1263.95	-126.09	42.87	3.40	2.01	-75.22
	C307	-925.99	-95.54	37.08	3.15	1.64	-56.99
	C308	-889.82	-91.42	33.48	2.75	1.51	-54.53
	C309	-327.89	-26.69	2.97	-0.83	0.14	-15.76
	C310	-350.46	-29.49	3.09	-0.80	0.16	-17.44
	C311	-108.31	-9.74	3.19	-0.38	0.05	-5.68
	C312	-130.88	-12.54	3.30	-0.35	0.07	-7.36
	C313	-935.46	-94.26	0.57	-0.51	0.51	-56.35
	C314	-958.03	-97.06	0.68	-0.48	0.54	-58.03
	C315	-613.19	-64.97	1.72	-0.17	0.37	-38.84
	C316	-635.76	-67.77	1.83	-0.14	0.39	-40.52

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2472

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M

149- 157	149	DUM	C101	-653.70	48.38	-52.29	3.15	60.60	-29.21
			C102	-646.75	46.85	-56.66	3.51	65.69	-28.28
			C103	-470.27	32.24	-37.54	2.24	43.51	-19.47
			C104	-463.32	30.71	-41.91	2.59	48.60	-18.54
			C105	-1089.20	112.70	49.27	-5.24	-57.76	-68.04
			C106	-1082.25	111.17	44.89	-4.88	-52.67	-67.12
			C107	-873.39	88.61	39.57	-4.24	-46.39	-53.50
			C108	-866.44	87.08	35.20	-3.88	-41.30	-52.58
			C109	-739.08	72.21	-0.72	-0.49	0.48	-43.49
			C110	-744.07	72.20	-0.66	-0.52	0.42	-43.49
			C111	-557.30	52.63	0.97	-0.51	-1.39	-31.70
			C112	-562.29	52.63	1.02	-0.55	-1.45	-31.71
			C113	-946.97	82.82	-6.16	-1.20	6.87	-50.10
			C114	-951.96	82.82	-6.11	-1.24	6.81	-50.11
			C115	-744.49	63.67	-2.98	-1.09	3.23	-38.52
			C116	-749.48	63.67	-2.93	-1.12	3.17	-38.53
			C201	-489.35	29.57	-69.29	4.68	80.45	-17.85
			C202	-479.97	27.51	-75.19	5.16	87.32	-16.60
			C203	-241.72	7.78	-49.38	3.44	57.37	-4.70
			C204	-232.34	5.71	-55.28	3.93	64.25	-3.45
			C205	-1077.27	116.40	67.81	-6.65	-79.34	-70.28
			C206	-1067.89	114.34	61.91	-6.17	-72.47	-69.03
			C207	-785.94	83.88	54.73	-5.29	-64.00	-50.65
			C208	-776.56	81.82	48.82	-4.81	-57.12	-49.40
			C209	-604.62	61.74	0.33	-0.23	-0.72	-37.13
			C210	-611.35	61.73	0.41	-0.28	-0.80	-37.14
			C211	-359.21	35.31	2.61	-0.27	-3.25	-21.22
			C212	-365.94	35.31	2.68	-0.32	-3.33	-21.22
			C213	-885.27	76.07	-7.02	-1.19	7.91	-46.06
			C214	-892.01	76.06	-6.94	-1.24	7.83	-46.06
			C215	-611.92	50.22	-2.72	-1.04	2.99	-30.42
			C216	-618.66	50.21	-2.65	-1.09	2.91	-30.43
			C301	-369.31	18.66	-68.89	4.81	80.03	-11.26
			C302	-359.93	16.59	-74.79	5.30	86.90	-10.01
			C303	-121.68	-3.14	-48.98	3.58	56.96	1.89
			C304	-112.29	-5.20	-54.88	4.06	63.83	3.13
			C305	-957.23	105.49	68.21	-6.52	-79.76	-63.69
			C306	-947.85	103.42	62.31	-6.04	-72.88	-62.44
			C307	-665.90	72.97	55.12	-5.16	-64.41	-44.06
			C308	-656.51	70.90	49.22	-4.68	-57.54	-42.81
			C309	-484.58	50.82	0.73	-0.10	-1.14	-30.54
			C310	-491.31	50.82	0.80	-0.15	-1.22	-30.55
			C311	-239.17	24.39	3.01	-0.14	-3.66	-14.63
			C312	-245.90	24.39	3.08	-0.19	-3.74	-14.64
			C313	-765.23	65.15	-6.62	-1.06	7.49	-39.47
			C314	-771.96	65.15	-6.55	-1.11	7.41	-39.48
			C315	-491.88	39.30	-2.32	-0.91	2.58	-23.83
			C316	-498.61	39.30	-2.25	-0.96	2.50	-23.84
	157		C101	-653.70	48.38	-52.29	3.15	-2.15	28.85
			C102	-646.75	46.85	-56.66	3.51	-2.30	27.94
			C103	-470.27	32.24	-37.54	2.24	-1.54	19.21
			C104	-463.32	30.71	-41.91	2.59	-1.70	18.30
			C105	-1089.20	112.70	49.27	-5.24	1.36	67.20
			C106	-1082.25	111.17	44.89	-4.88	1.20	66.29
			C107	-873.39	88.61	39.57	-4.24	1.09	52.83
			C108	-866.44	87.08	35.20	-3.88	0.94	51.92
			C109	-739.08	72.21	-0.72	-0.49	-0.39	43.16
			C110	-744.07	72.20	-0.66	-0.52	-0.38	43.15
			C111	-557.30	52.63	0.97	-0.51	-0.24	31.45
			C112	-562.29	52.63	1.02	-0.55	-0.23	31.45
			C113	-946.97	82.82	-6.16	-1.20	-0.53	49.28
			C114	-951.96	82.82	-6.11	-1.24	-0.52	49.27
			C115	-744.49	63.67	-2.98	-1.09	-0.35	37.89
			C116	-749.48	63.67	-2.93	-1.12	-0.34	37.88
			C201	-489.35	29.57	-69.29	4.68	-2.70	17.64
			C202	-479.97	27.51	-75.19	5.16	-2.91	16.41
			C203	-241.72	7.78	-49.38	3.44	-1.88	4.63
			C204	-232.34	5.71	-55.28	3.93	-2.09	3.40
			C205	-1077.27	116.40	67.81	-6.65	2.04	69.40
			C206	-1067.89	114.34	61.91	-6.17	1.83	68.17
			C207	-785.94	83.88	54.73	-5.29	1.68	50.01
			C208	-776.56	81.82	48.82	-4.81	1.47	48.78
			C209	-604.62	61.74	0.33	-0.23	-0.32	36.96
			C210	-611.35	61.73	0.41	-0.28	-0.31	36.94
			C211	-359.21	35.31	2.61	-0.27	-0.12	21.15
			C212	-365.94	35.31	2.68	-0.32	-0.11	21.14
			C213	-885.27	76.07	-7.02	-1.19	-0.51	45.22
			C214	-892.01	76.06	-6.94	-1.24	-0.50	45.21
			C215	-611.92	50.22	-2.72	-1.04	-0.27	29.84
			C216	-618.66	50.21	-2.65	-1.09	-0.26	29.83
			C301	-369.31	18.66	-68.89	4.81	-2.64	11.13
			C302	-359.93	16.59	-74.79	5.30	-2.85	9.90
			C303	-121.68	-3.14	-48.98	3.58	-1.82	-1.88
			C304	-112.29	-5.20	-54.88	4.06	-2.03	-3.11
			C305	-957.23	105.49	68.21	-6.52	2.10	62.90
			C306	-947.85	103.42	62.31	-6.04	1.89	61.67

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C307	-665.90	72.97	55.12	-5.16	1.74	43.50
C308	-656.51	70.90	49.22	-4.68	1.53	42.27
C309	-484.58	50.82	0.73	-0.10	-0.26	30.45
C310	-491.31	50.82	0.80	-0.15	-0.25	30.44
C311	-239.17	24.39	3.01	-0.14	-0.06	14.65
C312	-245.90	24.39	3.08	-0.19	-0.05	14.63
C313	-765.23	65.15	-6.62	-1.06	-0.45	38.72
C314	-771.96	65.15	-6.55	-1.11	-0.44	38.70
C315	-491.88	39.30	-2.32	-0.91	-0.21	23.33
C316	-498.61	39.30	-2.25	-0.96	-0.20	23.32

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2473

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
150- 158	150	DUM	C101	-677.35	-76.04	-32.06	-3.19	37.15	45.86
			C102	-670.89	-76.22	-34.66	-3.51	40.18	45.96
			C103	-474.49	-56.08	-23.29	-2.39	27.02	33.82
			C104	-468.03	-56.26	-25.89	-2.71	30.05	33.92
			C105	-1109.32	-95.58	28.60	4.49	-33.86	57.68
			C106	-1102.85	-95.75	26.00	4.17	-30.83	57.79
			C107	-879.76	-77.50	22.76	3.55	-26.93	46.77
			C108	-873.29	-77.68	20.17	3.23	-23.90	46.88
			C109	-622.56	-56.13	-1.17	0.91	1.18	33.97
			C110	-638.94	-58.15	-1.17	0.90	1.17	35.18
			C111	-455.59	-42.89	-0.21	0.71	0.14	25.95
			C112	-471.97	-44.91	-0.21	0.69	0.12	27.16
			C113	-1092.63	-109.36	-4.56	0.06	4.80	65.88
			C114	-1109.01	-111.38	-4.56	0.05	4.78	67.09
			C115	-843.39	-86.00	-2.70	0.13	2.76	51.81
			C116	-859.78	-88.02	-2.70	0.12	2.75	53.02
			C201	-513.81	-63.59	-42.08	-4.54	48.91	38.34
			C202	-505.08	-63.83	-45.58	-4.97	53.00	38.48
			C203	-239.95	-36.64	-30.25	-3.46	35.24	22.08
			C204	-231.22	-36.88	-33.75	-3.89	39.33	22.22
			C205	-1096.96	-89.96	39.81	5.83	-46.94	54.30
			C206	-1088.23	-90.20	36.31	5.40	-42.85	54.44
			C207	-787.05	-65.56	31.93	4.56	-37.59	39.57
			C208	-778.33	-65.80	28.43	4.12	-33.50	39.71
			C209	-439.83	-36.71	-0.37	1.00	0.36	22.29
			C210	-461.95	-39.44	-0.37	0.98	0.33	23.93
			C211	-214.42	-18.83	0.92	0.72	-1.06	11.47
			C212	-236.54	-21.56	0.92	0.71	-1.08	13.10
			C213	-1074.43	-108.57	-4.96	-0.14	5.24	65.36
			C214	-1096.55	-111.30	-4.96	-0.16	5.22	67.00
			C215	-737.96	-77.03	-2.44	-0.06	2.49	46.37
			C216	-760.08	-79.75	-2.44	-0.07	2.47	48.00
			C301	-391.48	-51.66	-41.72	-4.61	48.54	31.14
			C302	-382.76	-51.90	-45.22	-5.04	52.63	31.28
			C303	-117.62	-24.71	-29.88	-3.53	34.86	14.88
			C304	-108.89	-24.95	-33.38	-3.96	38.95	15.03
			C305	-974.63	-78.03	40.17	5.76	-47.32	47.10
			C306	-965.90	-78.27	36.67	5.33	-43.23	47.24
			C307	-664.73	-53.63	32.30	4.49	-37.97	32.37
			C308	-656.00	-53.87	28.80	4.05	-33.88	32.51
			C309	-317.51	-24.78	-0.01	0.93	-0.02	15.09
			C310	-339.63	-27.51	-0.00	0.91	-0.04	16.73
			C311	-92.10	-6.90	1.29	0.65	-1.43	4.27
			C312	-114.22	-9.63	1.29	0.64	-1.46	5.90
			C313	-952.10	-96.64	-4.59	-0.21	4.86	58.17
			C314	-974.22	-99.37	-4.59	-0.23	4.84	59.80
			C315	-615.64	-65.10	-2.07	-0.13	2.11	39.17
			C316	-637.75	-67.82	-2.07	-0.14	2.09	40.81
	158		C101	-677.35	-76.04	-32.06	-3.19	-1.33	-45.39
			C102	-670.89	-76.22	-34.66	-3.51	-1.41	-45.50
			C103	-474.49	-56.08	-23.29	-2.39	-0.93	-33.48
			C104	-468.03	-56.26	-25.89	-2.71	-1.01	-33.59
			C105	-1109.32	-95.58	28.60	4.49	0.46	-57.01
			C106	-1102.85	-95.75	26.00	4.17	0.38	-57.12
			C107	-879.76	-77.50	22.76	3.55	0.38	-46.23
			C108	-873.29	-77.68	20.17	3.23	0.30	-46.34
			C109	-622.56	-56.13	-1.17	0.91	-0.22	-33.39
			C110	-638.94	-58.15	-1.17	0.90	-0.23	-34.60
			C111	-455.59	-42.89	-0.21	0.71	-0.12	-25.51
			C112	-471.97	-44.91	-0.21	0.69	-0.13	-26.73
			C113	-1092.63	-109.36	-4.56	0.06	-0.68	-65.36
			C114	-1109.01	-111.38	-4.56	0.05	-0.69	-66.57
			C115	-843.39	-86.00	-2.70	0.13	-0.48	-51.39
			C116	-859.78	-88.02	-2.70	0.12	-0.49	-52.60
			C201	-513.81	-63.59	-42.08	-4.54	-1.59	-37.97
			C202	-505.08	-63.83	-45.58	-4.97	-1.70	-38.11
			C203	-239.95	-36.64	-30.25	-3.46	-1.05	-21.88
			C204	-231.22	-36.88	-33.75	-3.89	-1.16	-22.03
			C205	-1096.96	-89.96	39.81	5.83	0.82	-53.65
			C206	-1088.23	-90.20	36.31	5.40	0.71	-53.80
			C207	-787.05	-65.56	31.93	4.56	0.72	-39.10
			C208	-778.33	-65.80	28.43	4.12	0.61	-39.24
			C209	-439.83	-36.71	-0.37	1.00	-0.09	-21.76
			C210	-461.95	-39.44	-0.37	0.98	-0.11	-23.40
			C211	-214.42	-18.83	0.92	0.72	0.05	-11.13
			C212	-236.54	-21.56	0.92	0.71	0.03	-12.77
			C213	-1074.43	-108.57	-4.96	-0.14	-0.71	-64.92

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C214	-1096.55	-111.30	-4.96	-0.16	-0.73	-66.56
	C215	-737.96	-77.03	-2.44	-0.06	-0.44	-46.06
	C216	-760.08	-79.75	-2.44	-0.07	-0.46	-47.70
	C301	-391.48	-51.66	-41.72	-4.61	-1.52	-30.85
	C302	-382.76	-51.90	-45.22	-5.04	-1.63	-30.99
	C303	-117.62	-24.71	-29.88	-3.53	-0.99	-14.77
	C304	-108.89	-24.95	-33.38	-3.96	-1.10	-14.91
	C305	-974.63	-78.03	40.17	5.76	0.89	-46.53
	C306	-965.90	-78.27	36.67	5.33	0.78	-46.68
	C307	-664.73	-53.63	32.30	4.49	0.78	-31.98
	C308	-656.00	-53.87	28.80	4.05	0.67	-32.12
	C309	-317.51	-24.78	-0.01	0.93	-0.03	-14.64
	C310	-339.63	-27.51	-0.00	0.91	-0.05	-16.28
	C311	-92.10	-6.90	1.29	0.65	0.11	-4.01
	C312	-114.22	-9.63	1.29	0.64	0.09	-5.65
	C313	-952.10	-96.64	-4.59	-0.21	-0.65	-57.80
	C314	-974.22	-99.37	-4.59	-0.23	-0.67	-59.44
	C315	-615.64	-65.10	-2.07	-0.13	-0.38	-38.94
	C316	-637.75	-67.82	-2.07	-0.14	-0.39	-40.58

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2474

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
151- 159	151	DUM	C101	-434.56	18.81	-90.42	-5.58	38.32	-11.40
			C102	-411.15	18.57	-99.13	-6.11	41.98	-11.26
			C103	-324.59	10.69	-65.92	-4.26	27.95	-6.51
			C104	-301.18	10.45	-74.63	-4.79	31.61	-6.37
			C105	-1228.27	36.87	117.09	7.25	-48.68	-22.12
			C106	-1204.86	36.63	108.37	6.73	-45.02	-21.98
			C107	-994.57	27.61	93.44	5.64	-38.83	-16.58
			C108	-971.16	27.37	84.72	5.12	-35.17	-16.44
			C109	-792.77	27.98	17.93	0.53	-7.05	-17.10
			C110	-790.99	27.60	17.64	0.55	-6.93	-16.85
			C111	-615.29	18.76	15.69	0.35	-6.21	-11.52
			C112	-613.51	18.39	15.40	0.37	-6.10	-11.27
			C113	-809.77	25.88	0.42	0.57	0.18	-15.36
			C114	-807.99	25.51	0.12	0.59	0.29	-15.11
			C115	-656.48	18.37	3.47	0.46	-1.17	-10.90
			C116	-654.70	17.99	3.18	0.48	-1.05	-10.66
			C201	-211.68	13.35	-126.68	-7.79	53.48	-8.13
			C202	-180.08	13.03	-138.45	-8.50	58.42	-7.95
			C203	-63.23	2.39	-93.60	-6.01	39.48	-1.54
			C204	-31.62	2.06	-105.37	-6.72	44.42	-1.35
			C205	-1283.18	37.73	153.45	9.54	-63.97	-22.61
			C206	-1251.58	37.40	141.69	8.83	-59.03	-22.42
			C207	-967.70	25.23	121.52	7.36	-50.68	-15.13
			C208	-936.09	24.90	109.76	6.65	-45.74	-14.94
			C209	-695.26	25.72	19.59	0.45	-7.77	-15.83
			C210	-692.86	25.22	19.19	0.48	-7.61	-15.50
			C211	-455.66	13.28	16.56	0.21	-6.64	-8.29
			C212	-453.27	12.78	16.17	0.25	-6.49	-7.96
			C213	-718.22	22.90	-4.06	0.51	1.98	-13.47
			C214	-715.82	22.39	-4.45	0.54	2.14	-13.14
			C215	-511.27	12.75	0.07	0.37	0.17	-7.47
			C216	-508.87	12.25	-0.32	0.40	0.32	-7.13
			C301	-97.19	9.68	-128.09	-7.87	54.01	-5.92
			C302	-65.58	9.35	-139.86	-8.58	58.95	-5.73
			C303	51.27	-1.29	-95.01	-6.09	40.01	0.68
			C304	82.87	-1.62	-106.78	-6.80	44.95	0.87
			C305	-1168.69	34.05	152.04	9.46	-63.44	-20.39
			C306	-1137.08	33.72	140.28	8.75	-58.50	-20.21
			C307	-853.20	21.55	120.11	7.28	-50.15	-12.91
			C308	-821.60	21.23	108.35	6.57	-45.21	-12.73
			C309	-580.77	22.05	18.18	0.37	-7.24	-13.62
			C310	-578.37	21.54	17.78	0.41	-7.08	-13.28
			C311	-341.17	9.61	15.15	0.14	-6.11	-6.07
			C312	-338.77	9.10	14.76	0.17	-5.95	-5.74
			C313	-603.72	19.22	-5.47	0.43	2.52	-11.26
			C314	-601.32	18.72	-5.86	0.46	2.67	-10.92
			C315	-396.78	9.07	-1.34	0.29	0.70	-5.25
			C316	-394.38	8.57	-1.73	0.32	0.86	-4.92
	159		C101	-434.56	18.81	-90.42	-5.58	-70.18	11.18
			C102	-411.15	18.57	-99.13	-6.11	-76.98	11.03
			C103	-324.59	10.69	-65.92	-4.26	-51.15	6.31
			C104	-301.18	10.45	-74.63	-4.79	-57.95	6.16
			C105	-1228.27	36.87	117.09	7.25	91.83	22.12
			C106	-1204.86	36.63	108.37	6.73	85.03	21.97
			C107	-994.57	27.61	93.44	5.64	73.29	16.55
			C108	-971.16	27.37	84.72	5.12	66.49	16.40

C109	-792.77	27.98	17.93	0.53	14.47	16.47
C110	-790.99	27.60	17.64	0.55	14.23	16.27
C111	-615.29	18.76	15.69	0.35	12.62	11.00
C112	-613.51	18.39	15.40	0.37	12.38	10.80
C113	-809.77	25.88	0.42	0.57	0.67	15.70
C114	-807.99	25.51	0.12	0.59	0.44	15.50
C115	-656.48	18.37	3.47	0.46	3.00	11.13
C116	-654.70	17.99	3.18	0.48	2.76	10.93
C201	-211.68	13.35	-126.68	-7.79	-98.53	7.89
C202	-180.08	13.03	-138.45	-8.50	-107.71	7.69
C203	-63.23	2.39	-93.60	-6.01	-72.85	1.33
C204	-31.62	2.06	-105.37	-6.72	-82.03	1.12
C205	-1283.18	37.73	153.45	9.54	120.17	22.66
C206	-1251.58	37.40	141.69	8.83	110.99	22.46
C207	-967.70	25.23	121.52	7.36	95.15	15.15
C208	-936.09	24.90	109.76	6.65	85.97	14.94
C209	-695.26	25.72	19.59	0.45	15.74	15.04
C210	-692.86	25.22	19.19	0.48	15.42	14.76
C211	-455.66	13.28	16.56	0.21	13.24	7.65
C212	-453.27	12.78	16.17	0.25	12.92	7.38
C213	-718.22	22.90	-4.06	0.51	-2.89	14.01
C214	-715.82	22.39	-4.45	0.54	-3.21	13.73
C215	-511.27	12.75	0.07	0.37	0.25	7.84
C216	-508.87	12.25	-0.32	0.40	-0.06	7.56
C301	-97.19	9.68	-128.09	-7.87	-99.69	5.70
C302	-65.58	9.35	-139.86	-8.58	-108.87	5.49
C303	51.27	-1.29	-95.01	-6.09	-74.01	-0.87
C304	82.87	-1.62	-106.78	-6.80	-83.18	-1.07
C305	-1168.69	34.05	152.04	9.46	119.01	20.47
C306	-1137.08	33.72	140.28	8.75	109.83	20.26
C307	-853.20	21.55	120.11	7.28	93.99	12.95
C308	-821.60	21.23	108.35	6.57	84.81	12.75
C309	-580.77	22.05	18.18	0.37	14.58	12.84
C310	-578.37	21.54	17.78	0.41	14.26	12.57
C311	-341.17	9.61	15.15	0.14	12.08	5.45
C312	-338.77	9.10	14.76	0.17	11.76	5.18
C313	-603.72	19.22	-5.47	0.43	-4.04	11.81
C314	-601.32	18.72	-5.86	0.46	-4.36	11.54
C315	-396.78	9.07	-1.34	0.29	-0.90	5.64
C316	-394.38	8.57	-1.73	0.32	-1.22	5.37

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2475

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
152- 160	152	DUM	C101	-645.56	9.38	-104.67	-6.11	43.77	-5.61
			C102	-640.70	8.25	-112.92	-6.58	47.25	-4.92
			C103	-478.14	4.07	-75.88	-4.26	31.72	-2.45
			C104	-473.28	2.94	-84.13	-4.73	35.20	-1.76
			C105	-1012.72	48.30	82.99	4.57	-35.48	-29.12
			C106	-1007.86	47.17	74.74	4.09	-32.00	-28.44
			C107	-822.41	36.89	66.22	3.76	-28.32	-22.26
			C108	-817.55	35.77	57.97	3.29	-24.84	-21.58
			C109	-790.00	29.00	-14.98	-0.43	5.82	-17.72
			C110	-787.92	28.64	-14.41	-0.44	5.59	-17.48
			C111	-608.57	19.97	-9.13	-0.05	3.47	-12.25
			C112	-606.49	19.61	-8.56	-0.05	3.24	-12.01
			C113	-825.27	26.03	-14.17	-1.46	5.63	-15.44
			C114	-823.19	25.67	-13.60	-1.46	5.40	-15.20
			C115	-662.38	18.97	-8.45	-0.84	3.28	-11.27
			C116	-660.30	18.61	-7.88	-0.84	3.05	-11.03
			C201	-494.56	0.27	-135.10	-7.86	56.66	-0.10
			C202	-488.01	-1.26	-146.24	-8.50	61.36	0.82
			C203	-268.54	-6.90	-96.22	-5.35	40.40	4.16
			C204	-261.99	-8.42	-107.36	-5.99	45.10	5.09
			C205	-990.22	52.80	118.25	6.56	-50.32	-31.84
			C206	-983.67	51.28	107.11	5.92	-45.62	-30.92
			C207	-733.31	37.41	95.60	5.47	-40.65	-22.59
			C208	-726.75	35.89	84.46	4.83	-35.96	-21.67
			C209	-689.55	26.75	-14.01	-0.19	5.44	-16.45
			C210	-686.74	26.26	-13.24	-0.20	5.12	-16.13
			C211	-444.63	14.57	-6.12	0.33	2.26	-9.07
			C212	-441.82	14.08	-5.34	0.32	1.95	-8.74
			C213	-737.17	22.75	-12.92	-1.58	5.17	-13.37
			C214	-734.36	22.26	-12.15	-1.58	4.86	-13.05
			C215	-517.26	13.22	-5.20	-0.74	2.00	-7.74
			C216	-514.46	12.73	-4.43	-0.75	1.69	-7.42
			C301	-379.46	-3.52	-133.20	-7.74	55.92	2.18
			C302	-372.91	-5.04	-144.34	-8.38	60.62	3.10
			C303	-153.45	-10.68	-94.33	-5.23	39.66	6.44

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C304	-146.89	-12.21	-105.47	-5.87	44.36	7.37
		C305	-875.13	49.02	120.15	6.68	-51.06	-29.56
		C306	-868.57	47.49	109.01	6.04	-46.36	-28.64
		C307	-618.21	33.63	97.50	5.59	-41.39	-20.31
		C308	-611.65	32.10	86.36	4.95	-36.70	-19.39
		C309	-574.45	22.97	-12.12	-0.07	4.70	-14.17
		C310	-571.64	22.48	-11.34	-0.08	4.38	-13.85
		C311	-329.53	10.78	-4.22	0.45	1.52	-6.79
		C312	-326.72	10.29	-3.45	0.44	1.21	-6.46
		C313	-622.07	18.96	-11.02	-1.46	4.43	-11.09
		C314	-619.26	18.47	-10.25	-1.47	4.12	-10.77
		C315	-402.17	9.43	-3.30	-0.62	1.26	-5.46
		C316	-399.36	8.95	-2.53	-0.63	0.95	-5.14
	160	C101	-645.56	9.38	-104.67	-6.11	-81.84	5.65
		C102	-640.70	8.25	-112.92	-6.58	-88.26	4.98
		C103	-478.14	4.07	-75.88	-4.26	-59.33	2.44
		C104	-473.28	2.94	-84.13	-4.73	-65.75	1.77
		C105	-1012.72	48.30	82.99	4.57	64.11	28.84
		C106	-1007.86	47.17	74.74	4.09	57.69	28.17
		C107	-822.41	36.89	66.22	3.76	51.15	22.01
		C108	-817.55	35.77	57.97	3.29	44.72	21.34
		C109	-790.00	29.00	-14.98	-0.43	-12.15	17.08
		C110	-787.92	28.64	-14.41	-0.44	-11.70	16.88
		C111	-608.57	19.97	-9.13	-0.05	-7.49	11.72
		C112	-606.49	19.61	-8.56	-0.05	-7.03	11.52
		C113	-825.27	26.03	-14.17	-1.46	-11.37	15.80
		C114	-823.19	25.67	-13.60	-1.46	-10.92	15.61
		C115	-662.38	18.97	-8.45	-0.84	-6.86	11.50
		C116	-660.30	18.61	-7.88	-0.84	-6.41	11.31
		C201	-494.56	0.27	-135.10	-7.86	-105.45	0.22
		C202	-488.01	-1.26	-146.24	-8.50	-114.12	-0.69
		C203	-268.54	-6.90	-96.22	-5.35	-75.07	-4.11
		C204	-261.99	-8.42	-107.36	-5.99	-83.74	-5.02
		C205	-990.22	52.80	118.25	6.56	91.58	31.52
		C206	-983.67	51.28	107.11	5.92	82.91	30.62
		C207	-733.31	37.41	95.60	5.47	74.07	22.30
		C208	-726.75	35.89	84.46	4.83	65.40	21.40
		C209	-689.55	26.75	-14.01	-0.19	-11.38	15.65
		C210	-686.74	26.26	-13.24	-0.20	-10.76	15.39
		C211	-444.63	14.57	-6.12	0.33	-5.08	8.41
		C212	-441.82	14.08	-5.34	0.32	-4.47	8.15
		C213	-737.17	22.75	-12.92	-1.58	-10.33	13.92
		C214	-734.36	22.26	-12.15	-1.58	-9.72	13.66
		C215	-517.26	13.22	-5.20	-0.74	-4.23	8.12
		C216	-514.46	12.73	-4.43	-0.75	-3.62	7.86
		C301	-379.46	-3.52	-133.20	-7.74	-103.92	-2.04
		C302	-372.91	-5.04	-144.34	-8.38	-112.59	-2.95
		C303	-153.45	-10.68	-94.33	-5.23	-73.54	-6.38
		C304	-146.89	-12.21	-105.47	-5.87	-82.21	-7.28
		C305	-875.13	49.02	120.15	6.68	93.12	29.26
		C306	-868.57	47.49	109.01	6.04	84.45	28.35
		C307	-618.21	33.63	97.50	5.59	75.61	20.04
		C308	-611.65	32.10	86.36	4.95	66.94	19.14
		C309	-574.45	22.97	-12.12	-0.07	-9.84	13.39
		C310	-571.64	22.48	-11.34	-0.08	-9.23	13.12
		C311	-329.53	10.78	-4.22	0.45	-3.54	6.15
		C312	-326.72	10.29	-3.45	0.44	-2.93	5.89
		C313	-622.07	18.96	-11.02	-1.46	-8.79	11.66
		C314	-619.26	18.47	-10.25	-1.47	-8.18	11.40
		C315	-402.17	9.43	-3.30	-0.62	-2.70	5.86
		C316	-399.36	8.95	-2.53	-0.63	-2.09	5.59

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2476

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
153- 161	153	DUM	C101	-433.40	-13.24	-65.31	-1.34	26.91	7.94
			C102	-407.08	-11.71	-72.11	-1.37	29.69	7.01
			C103	-284.54	-11.86	-49.03	-1.15	20.16	7.09
			C104	-258.22	-10.32	-55.83	-1.18	22.94	6.16
			C105	-1323.94	-55.68	98.79	-1.02	-40.10	33.75
			C106	-1297.62	-54.14	91.99	-1.05	-37.32	32.82
			C107	-1042.06	-46.26	77.83	-0.95	-31.61	28.02
			C108	-1015.74	-44.72	71.03	-0.97	-28.83	27.08
			C109	-527.38	-20.21	5.36	-1.12	-2.08	11.98
			C110	-550.58	-21.36	6.28	-1.12	-2.45	12.70
			C111	-376.74	-17.47	4.31	-1.00	-1.72	10.35
			C112	-399.94	-18.62	5.23	-1.00	-2.09	11.07
			C113	-1132.00	-44.81	19.89	-1.24	-7.77	27.32
			C114	-1155.20	-45.96	20.81	-1.24	-8.13	28.04

	C115	-868.05	-37.16	16.42	-1.10	-6.46	22.61
	C116	-891.25	-38.30	17.34	-1.11	-6.83	23.33
	C201	-196.68	-2.10	-94.37	-1.24	38.76	1.18
	C202	-161.15	-0.03	-103.55	-1.27	42.51	-0.08
	C203	4.28	-0.23	-72.39	-0.98	29.64	0.04
	C204	39.82	1.85	-81.57	-1.02	33.40	-1.23
	C205	-1398.90	-59.38	127.17	-0.81	-51.70	36.03
	C206	-1363.37	-57.31	117.99	-0.84	-47.95	34.76
	C207	-1018.37	-46.67	98.86	-0.70	-40.25	28.28
	C208	-982.83	-44.60	89.68	-0.74	-36.49	27.02
	C209	-323.55	-11.50	1.03	-0.94	-0.38	6.64
	C210	-354.87	-13.05	2.27	-0.95	-0.87	7.60
	C211	-120.18	-7.80	-0.38	-0.77	0.11	4.44
	C212	-151.50	-9.35	0.86	-0.78	-0.39	5.40
	C213	-1139.78	-44.72	20.64	-1.10	-8.05	27.34
	C214	-1171.10	-46.27	21.88	-1.10	-8.55	28.31
	C215	-783.46	-34.38	15.96	-0.92	-6.29	20.99
	C216	-814.78	-35.93	17.20	-0.92	-6.79	21.95
	C301	-78.08	2.72	-96.26	-1.06	39.50	-1.73
	C302	-42.55	4.79	-105.44	-1.10	43.26	-2.99
	C303	122.88	4.59	-74.29	-0.81	30.38	-2.88
	C304	158.42	6.66	-83.47	-0.84	34.14	-4.14
	C305	-1280.30	-54.57	125.27	-0.63	-50.96	33.11
	C306	-1244.77	-52.49	116.09	-0.67	-47.21	31.85
	C307	-899.77	-41.85	96.97	-0.53	-39.51	25.37
	C308	-864.23	-39.78	87.79	-0.56	-35.75	24.11
	C309	-204.95	-6.69	-0.87	-0.77	0.36	3.72
	C310	-236.27	-8.24	0.37	-0.77	-0.13	4.69
	C311	-1.58	-2.98	-2.28	-0.60	0.85	1.53
	C312	-32.90	-4.53	-1.04	-0.60	0.36	2.49
	C313	-1021.18	-39.90	18.75	-0.92	-7.31	24.43
	C314	-1052.50	-41.45	19.99	-0.93	-7.81	25.40
	C315	-664.86	-29.56	14.06	-0.74	-5.55	18.08
	C316	-696.18	-31.11	15.30	-0.75	-6.04	19.04
161	C101	-433.40	-13.24	-65.31	-1.34	-51.46	-7.95
	C102	-407.08	-11.71	-72.11	-1.37	-56.84	-7.04
	C103	-284.54	-11.86	-49.03	-1.15	-38.68	-7.14
	C104	-258.22	-10.32	-55.83	-1.18	-44.06	-6.23
	C105	-1323.94	-55.68	98.79	-1.02	78.45	-33.06
	C106	-1297.62	-54.14	91.99	-1.05	73.07	-32.15
	C107	-1042.06	-46.26	77.83	-0.95	61.78	-27.49
	C108	-1015.74	-44.72	71.03	-0.97	56.40	-26.58
	C109	-527.38	-20.21	5.36	-1.12	4.34	-12.27
	C110	-550.58	-21.36	6.28	-1.12	5.08	-12.93
	C111	-376.74	-17.47	4.31	-1.00	3.46	-10.61
	C112	-399.94	-18.62	5.23	-1.00	4.19	-11.27
	C113	-1132.00	-44.81	19.89	-1.24	16.10	-26.45
	C114	-1155.20	-45.96	20.81	-1.24	16.83	-27.12
	C115	-868.05	-37.16	16.42	-1.10	13.24	-21.97
	C116	-891.25	-38.30	17.34	-1.11	13.98	-22.64
	C201	-196.68	-2.10	-94.37	-1.24	-74.48	-1.34
	C202	-161.15	-0.03	-103.55	-1.27	-81.74	-0.11
	C203	4.28	-0.23	-72.39	-0.98	-57.23	-0.24
	C204	39.82	1.85	-81.57	-1.02	-64.49	0.99
	C205	-1398.90	-59.38	127.17	-0.81	100.90	-35.24
	C206	-1363.37	-57.31	117.99	-0.84	93.64	-34.01
	C207	-1018.37	-46.67	98.86	-0.70	78.39	-27.72
	C208	-982.83	-44.60	89.68	-0.74	71.13	-26.49
	C209	-323.55	-11.50	1.03	-0.94	0.85	-7.17
	C210	-354.87	-13.05	2.27	-0.95	1.85	-8.06
	C211	-120.18	-7.80	-0.38	-0.77	-0.35	-4.92
	C212	-151.50	-9.35	0.86	-0.78	0.65	-5.82
	C213	-1139.78	-44.72	20.64	-1.10	16.72	-26.32
	C214	-1171.10	-46.27	21.88	-1.10	17.71	-27.21
	C215	-783.46	-34.38	15.96	-0.92	12.86	-20.27
	C216	-814.78	-35.93	17.20	-0.92	13.85	-21.16
	C301	-78.08	2.72	-96.26	-1.06	-76.01	1.53
	C302	-42.55	4.79	-105.44	-1.10	-83.27	2.76
	C303	122.88	4.59	-74.29	-0.81	-58.76	2.63
	C304	158.42	6.66	-83.47	-0.84	-66.02	3.86
	C305	-1280.30	-54.57	125.27	-0.63	99.36	-32.37
	C306	-1244.77	-52.49	116.09	-0.67	92.10	-31.14
	C307	-899.77	-41.85	96.97	-0.53	76.86	-24.85
	C308	-864.23	-39.78	87.79	-0.56	69.60	-23.62
	C309	-204.95	-6.69	-0.87	-0.77	-0.68	-4.30
	C310	-236.27	-8.24	0.37	-0.77	0.31	-5.19
	C311	-1.58	-2.98	-2.28	-0.60	-1.88	-2.05
	C312	-32.90	-4.53	-1.04	-0.60	-0.89	-2.95
	C313	-1021.18	-39.90	18.75	-0.92	15.18	-23.45
	C314	-1052.50	-41.45	19.99	-0.93	16.18	-24.34
	C315	-664.86	-29.56	14.06	-0.74	11.33	-17.40
	C316	-696.18	-31.11	15.30	-0.75	12.32	-18.29

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2477

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
154- 162	154	DUM	C101	-638.39	-37.15	-81.32	0.36	33.20	22.49
			C102	-630.27	-37.79	-87.37	0.32	35.69	22.88
			C103	-433.21	-28.96	-57.21	0.36	23.38	17.50
			C104	-425.08	-29.60	-63.26	0.32	25.88	17.89
			C105	-1110.74	-29.11	54.04	1.46	-22.62	17.58
			C106	-1102.61	-29.75	47.99	1.42	-20.13	17.97
			C107	-871.39	-24.84	44.37	1.25	-18.54	14.98
			C108	-863.26	-25.48	38.31	1.21	-16.05	15.37
			C109	-522.79	-18.82	-1.90	0.85	0.63	11.14
			C110	-545.69	-19.93	-2.61	0.86	0.91	11.83
			C111	-368.28	-15.61	1.87	0.74	-0.85	9.22
			C112	-391.18	-16.73	1.16	0.75	-0.57	9.92
			C113	-1145.32	-45.56	-29.09	0.90	11.51	27.78
			C114	-1168.22	-46.68	-29.80	0.90	11.79	28.47
			C115	-871.96	-36.78	-18.97	0.80	7.48	22.38
			C116	-894.86	-37.89	-19.68	0.81	7.76	23.08
			C201	-472.43	-34.68	-102.98	0.06	42.16	21.01
			C202	-461.46	-35.54	-111.15	0.00	45.52	21.53
			C203	-195.43	-23.62	-70.43	0.06	28.91	14.27
			C204	-184.45	-24.48	-78.61	0.00	32.28	14.80
			C205	-1110.09	-23.82	79.75	1.55	-33.19	14.38
			C206	-1099.12	-24.69	71.58	1.49	-29.83	14.91
			C207	-786.97	-18.06	66.70	1.27	-27.68	10.87
			C208	-776.00	-18.93	58.52	1.20	-24.32	11.40
			C209	-316.36	-9.93	4.23	0.73	-1.80	5.68
			C210	-347.28	-11.43	3.27	0.73	-1.42	6.62
			C211	-107.77	-5.61	9.33	0.58	-3.80	3.10
			C212	-138.69	-7.11	8.37	0.59	-3.43	4.04
			C213	-1156.78	-46.04	-32.48	0.79	12.88	28.15
			C214	-1187.69	-47.54	-33.43	0.79	13.26	29.08
			C215	-787.74	-34.18	-18.81	0.66	7.44	20.87
			C216	-818.66	-35.68	-19.77	0.66	7.81	21.80
			C301	-353.53	-29.95	-100.90	-0.07	41.34	18.15
			C302	-342.56	-30.82	-109.08	-0.13	44.71	18.68
			C303	-76.52	-18.89	-68.35	-0.07	28.10	11.41
			C304	-65.55	-19.76	-76.53	-0.13	31.46	11.94
			C305	-991.19	-19.10	81.83	1.42	-34.00	11.53
			C306	-980.22	-19.96	73.65	1.36	-30.64	12.05
			C307	-668.07	-13.34	68.78	1.14	-28.50	8.02
			C308	-657.10	-14.20	60.60	1.07	-25.13	8.54
			C309	-197.46	-5.21	6.30	0.60	-2.61	2.82
			C310	-228.38	-6.71	5.35	0.60	-2.24	3.76
			C311	11.13	-0.88	11.40	0.45	-4.62	0.24
			C312	-19.79	-2.38	10.45	0.46	-4.24	1.18
			C313	-1037.87	-41.31	-30.40	0.66	12.07	25.29
			C314	-1068.79	-42.81	-31.36	0.66	12.45	26.23
			C315	-668.84	-29.46	-16.74	0.53	6.62	18.01
			C316	-699.76	-30.96	-17.69	0.53	7.00	18.95
	162		C101	-638.39	-37.15	-81.32	0.36	-64.38	-22.09
			C102	-630.27	-37.79	-87.37	0.32	-69.16	-22.47
			C103	-433.21	-28.96	-57.21	0.36	-45.26	-17.25
			C104	-425.08	-29.60	-63.26	0.32	-50.04	-17.63
			C105	-1110.74	-29.11	54.04	1.46	42.23	-17.35
			C106	-1102.61	-29.75	47.99	1.42	37.46	-17.73
			C107	-871.39	-24.84	44.37	1.25	34.71	-14.83
			C108	-863.26	-25.48	38.31	1.21	29.93	-15.21
			C109	-522.79	-18.82	-1.90	0.85	-1.65	-11.45
			C110	-545.69	-19.93	-2.61	0.86	-2.22	-12.09
			C111	-368.28	-15.61	1.87	0.74	1.40	-9.51
			C112	-391.18	-16.73	1.16	0.75	0.83	-10.15
			C113	-1145.32	-45.56	-29.09	0.90	-23.40	-26.90
			C114	-1168.22	-46.68	-29.80	0.90	-23.97	-27.54
			C115	-871.96	-36.78	-18.97	0.80	-15.29	-21.75
			C116	-894.86	-37.89	-19.68	0.81	-15.86	-22.40
			C201	-472.43	-34.68	-102.98	0.06	-81.42	-20.60
			C202	-461.46	-35.54	-111.15	0.00	-87.86	-21.12
			C203	-195.43	-23.62	-70.43	0.06	-55.61	-14.07
			C204	-184.45	-24.48	-78.61	0.00	-62.05	-14.59
			C205	-1110.09	-23.82	79.75	1.55	62.51	-14.20
			C206	-1099.12	-24.69	71.58	1.49	56.07	-14.72
			C207	-786.97	-18.06	66.70	1.27	52.35	-10.80
			C208	-776.00	-18.93	58.52	1.20	45.91	-11.31
			C209	-316.36	-9.93	4.23	0.73	3.27	-6.24
			C210	-347.28	-11.43	3.27	0.73	2.50	-7.10
			C211	-107.77	-5.61	9.33	0.58	7.39	-3.63
			C212	-138.69	-7.11	8.37	0.59	6.62	-4.49
			C213	-1156.78	-46.04	-32.48	0.79	-26.09	-27.10

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C214	-1187.69	-47.54	-33.43	0.79	-26.86	-27.96
C215	-787.74	-34.18	-18.81	0.66	-15.14	-20.15
C216	-818.66	-35.68	-19.77	0.66	-15.91	-21.02
C301	-353.53	-29.95	-100.90	-0.07	-79.74	-17.79
C302	-342.56	-30.82	-109.08	-0.13	-86.19	-18.30
C303	-76.52	-18.89	-68.35	-0.07	-53.93	-11.26
C304	-65.55	-19.76	-76.53	-0.13	-60.37	-11.77
C305	-991.19	-19.10	81.83	1.42	64.19	-11.39
C306	-980.22	-19.96	73.65	1.36	57.75	-11.90
C307	-668.07	-13.34	68.78	1.14	54.03	-7.99
C308	-657.10	-14.20	60.60	1.07	47.59	-8.50
C309	-197.46	-5.21	6.30	0.60	4.95	-3.43
C310	-228.38	-6.71	5.35	0.60	4.18	-4.29
C311	11.13	-0.88	11.40	0.45	9.07	-0.81
C312	-19.79	-2.38	10.45	0.46	8.30	-1.68
C313	-1037.87	-41.31	-30.40	0.66	-24.41	-24.28
C314	-1068.79	-42.81	-31.36	0.66	-25.18	-25.15
C315	-668.84	-29.46	-16.74	0.53	-13.46	-17.34
C316	-699.76	-30.96	-17.69	0.53	-14.23	-18.20

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2478

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
159- 164	159	DUM	C101	-445.76	18.35	25.41	-3.40	-11.12	-14.41
			C102	-425.10	18.79	16.79	-3.82	-7.74	-14.74
			C103	-338.12	13.77	21.21	-2.52	-9.19	-10.91
			C104	-317.47	14.21	12.59	-2.94	-5.81	-11.24
			C105	-1163.72	15.13	267.05	7.03	-106.26	-12.30
			C106	-1143.07	15.58	258.42	6.61	-102.87	-12.63
			C107	-946.79	12.68	216.61	5.61	-86.20	-10.36
			C108	-926.14	13.12	207.99	5.19	-82.82	-10.68
			C109	-799.34	36.33	144.94	2.45	-58.16	-28.98
			C110	-795.02	34.35	144.30	2.37	-57.90	-27.41
			C111	-624.69	28.23	114.68	1.95	-46.00	-22.59
			C112	-620.36	26.25	114.03	1.87	-45.74	-21.03
			C113	-757.30	-1.22	133.39	0.78	-53.63	0.98
			C114	-752.98	-3.19	132.75	0.70	-53.37	2.55
			C115	-619.56	0.11	111.07	0.75	-44.63	-0.16
			C116	-615.24	-1.87	110.42	0.67	-44.37	1.41
			C201	-237.43	17.00	-31.16	-5.35	11.27	-13.25
			C202	-209.55	17.60	-42.80	-5.91	15.84	-13.69
			C203	-92.12	10.82	-36.82	-4.15	13.88	-8.52
			C204	-64.24	11.42	-48.46	-4.71	18.44	-8.96
			C205	-1206.68	12.66	295.05	8.75	-117.16	-10.39
			C206	-1178.80	13.26	283.41	8.18	-112.59	-10.84
			C207	-913.83	9.35	226.96	6.82	-90.09	-7.77
			C208	-885.95	9.94	215.32	6.25	-85.53	-8.21
			C209	-714.77	41.27	130.21	2.56	-52.22	-32.91
			C210	-708.93	38.60	129.34	2.45	-51.87	-30.79
			C211	-478.99	30.34	89.36	1.89	-35.81	-24.29
			C212	-473.15	27.67	88.49	1.78	-35.46	-22.18
			C213	-658.02	-9.41	114.62	0.30	-46.11	7.53
			C214	-652.18	-12.08	113.75	0.19	-45.76	9.65
			C215	-472.07	-7.62	84.49	0.27	-33.96	5.99
			C216	-466.23	-10.29	83.62	0.16	-33.61	8.11
			C301	-126.18	14.63	-51.14	-5.57	19.30	-11.35
			C302	-98.30	15.23	-62.78	-6.14	23.86	-11.80
			C303	19.13	8.45	-56.81	-4.38	21.90	-6.63
			C304	47.01	9.05	-68.45	-4.94	26.47	-7.07
			C305	-1095.43	10.29	275.07	8.52	-109.13	-8.50
			C306	-1067.55	10.89	263.43	7.95	-104.57	-8.94
			C307	-802.58	6.98	206.98	6.59	-82.06	-5.87
			C308	-774.70	7.57	195.34	6.02	-77.50	-6.32
			C309	-603.52	38.90	110.23	2.33	-44.20	-31.01
			C310	-597.68	36.23	109.36	2.23	-43.85	-28.89
			C311	-367.74	27.97	69.37	1.66	-27.79	-22.40
			C312	-361.90	25.30	68.50	1.55	-27.44	-20.28
			C313	-546.77	-11.78	94.63	0.07	-38.08	9.43
			C314	-540.93	-14.45	93.76	-0.04	-37.74	11.54
			C315	-360.82	-9.99	64.50	0.04	-25.93	7.89
			C316	-354.98	-12.66	63.63	-0.07	-25.58	10.01
	164		C101	-445.76	18.35	25.41	-3.40	9.21	0.26
			C102	-425.10	18.79	16.79	-3.82	5.69	0.29
			C103	-338.12	13.77	21.21	-2.52	7.78	0.10
			C104	-317.47	14.21	12.59	-2.94	4.26	0.13
			C105	-1163.72	15.13	267.05	7.03	107.38	-0.19
			C106	-1143.07	15.58	258.42	6.61	103.86	-0.17
			C107	-946.79	12.68	216.61	5.61	87.08	-0.21
			C108	-926.14	13.12	207.99	5.19	83.57	-0.19

C109	-799.34	36.33	144.94	2.45	57.80	0.09
C110	-795.02	34.35	144.30	2.37	57.54	0.07
C111	-624.69	28.23	114.68	1.95	45.74	-0.01
C112	-620.36	26.25	114.03	1.87	45.49	-0.03
C113	-757.30	-1.22	133.39	0.78	53.09	0.01
C114	-752.98	-3.19	132.75	0.70	52.83	-0.01
C115	-619.56	0.11	111.07	0.75	44.23	-0.07
C116	-615.24	-1.87	110.42	0.67	43.97	-0.09
C201	-237.43	17.00	-31.16	-5.35	-13.65	0.35
C202	-209.55	17.60	-42.80	-5.91	-18.40	0.38
C203	-92.12	10.82	-36.82	-4.15	-15.58	0.14
C204	-64.24	11.42	-48.46	-4.71	-20.33	0.17
C205	-1206.68	12.66	295.05	8.75	118.88	-0.26
C206	-1178.80	13.26	283.41	8.18	114.14	-0.23
C207	-913.83	9.35	226.96	6.82	91.48	-0.29
C208	-885.95	9.94	215.32	6.25	86.73	-0.26
C209	-714.77	41.27	130.21	2.56	51.95	0.11
C210	-708.93	38.60	129.34	2.45	51.60	0.09
C211	-478.99	30.34	89.36	1.89	35.67	-0.02
C212	-473.15	27.67	88.49	1.78	35.33	-0.04
C213	-658.02	-9.41	114.62	0.30	45.59	0.00
C214	-652.18	-12.08	113.75	0.19	45.24	-0.02
C215	-472.07	-7.62	84.49	0.27	33.63	-0.10
C216	-466.23	-10.29	83.62	0.16	33.28	-0.12
C301	-126.18	14.63	-51.14	-5.57	-21.62	0.35
C302	-98.30	15.23	-62.78	-6.14	-26.36	0.38
C303	19.13	8.45	-56.81	-4.38	-23.54	0.13
C304	47.01	9.05	-68.45	-4.94	-28.29	0.17
C305	-1095.43	10.29	275.07	8.52	110.92	-0.26
C306	-1067.55	10.89	263.43	7.95	106.17	-0.23
C307	-802.58	6.98	206.98	6.59	83.52	-0.29
C308	-774.70	7.57	195.34	6.02	78.77	-0.26
C309	-603.52	38.90	110.23	2.33	43.98	0.11
C310	-597.68	36.23	109.36	2.23	43.64	0.09
C311	-367.74	27.97	69.37	1.66	27.71	-0.02
C312	-361.90	25.30	68.50	1.55	27.36	-0.04
C313	-546.77	-11.78	94.63	0.07	37.62	0.00
C314	-540.93	-14.45	93.76	-0.04	37.27	-0.02
C315	-360.82	-9.99	64.50	0.04	25.66	-0.10
C316	-354.98	-12.66	63.63	-0.07	25.32	-0.12

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2479

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
160- 165	160	DUM	C101	-609.46	2.09	-165.24	-5.37	65.44	-2.11
			C102	-603.41	1.07	-169.04	-5.72	66.88	-1.33
			C103	-456.84	2.11	-122.69	-3.84	48.61	-2.09
			C104	-450.79	1.09	-126.49	-4.19	50.05	-1.31
			C105	-993.36	32.98	-122.10	2.05	49.93	-25.81
			C106	-987.31	31.96	-125.90	1.70	51.38	-25.03
			C107	-810.34	27.03	-100.60	1.66	41.12	-21.22
			C108	-804.29	26.01	-104.40	1.31	42.57	-20.44
			C109	-795.62	37.16	-142.05	-2.28	57.02	-29.61
			C110	-791.06	35.20	-141.20	-2.18	56.68	-28.06
			C111	-617.87	29.37	-109.15	-1.61	43.84	-23.46
			C112	-613.30	27.42	-108.30	-1.52	43.50	-21.91
			C113	-767.96	-1.82	-142.73	-1.36	57.25	1.43
			C114	-763.39	-3.78	-141.89	-1.26	56.91	2.98
			C115	-622.67	0.26	-113.99	-0.94	45.75	-0.28
			C116	-618.10	-1.69	-113.14	-0.84	45.41	1.27
			C201	-457.65	-5.11	-156.82	-6.45	61.75	3.48
			C202	-449.48	-6.48	-161.95	-6.92	63.70	4.53
			C203	-251.62	-5.07	-99.37	-4.39	39.03	3.51
			C204	-243.45	-6.44	-104.50	-4.86	40.98	4.55
			C205	-975.92	36.60	-98.58	3.57	40.82	-28.52
			C206	-967.75	35.23	-103.71	3.10	42.78	-27.47
			C207	-728.84	28.57	-69.55	3.03	28.92	-22.32
			C208	-720.67	27.19	-74.68	2.56	30.88	-21.27
			C209	-708.97	42.24	-125.51	-2.27	50.39	-33.64
			C210	-702.81	39.60	-124.37	-2.15	49.93	-31.55
			C211	-469.00	31.73	-81.09	-1.38	32.59	-25.34
			C212	-462.84	29.09	-79.95	-1.25	32.14	-23.25
			C213	-671.63	-10.38	-126.44	-1.03	50.70	8.26
			C214	-665.46	-13.02	-125.29	-0.91	50.24	10.36
			C215	-475.48	-7.57	-87.62	-0.46	35.17	5.95
			C216	-469.32	-10.21	-86.48	-0.34	34.72	8.05
			C301	-346.17	-7.52	-136.59	-6.20	53.63	5.41
			C302	-338.00	-8.90	-141.72	-6.67	55.58	6.46
			C303	-140.13	-7.49	-79.14	-4.15	30.91	5.44

	C304	-131.96	-8.86	-84.27	-4.62	32.86	6.49
	C305	-864.43	34.18	-78.35	3.81	32.70	-26.58
	C306	-856.26	32.81	-83.48	3.34	34.66	-25.54
	C307	-617.36	26.15	-49.32	3.28	20.80	-20.39
	C308	-609.19	24.77	-54.45	2.80	22.76	-19.34
	C309	-597.49	39.82	-105.28	-2.03	42.27	-31.71
	C310	-591.32	37.18	-104.14	-1.90	41.81	-29.62
	C311	-357.52	29.31	-60.86	-1.13	24.47	-23.41
	C312	-351.35	26.67	-59.71	-1.01	24.02	-21.32
	C313	-560.14	-12.80	-106.20	-0.79	42.58	10.20
	C314	-553.98	-15.44	-105.06	-0.66	42.12	12.29
	C315	-363.99	-9.99	-67.39	-0.22	27.05	7.89
	C316	-357.83	-12.63	-66.25	-0.10	26.60	9.98
165	C101	-609.46	2.09	-165.24	-5.37	-66.76	-0.44
	C102	-603.41	1.07	-169.04	-5.72	-68.35	-0.48
	C103	-456.84	2.11	-122.69	-3.84	-49.54	-0.40
	C104	-450.79	1.09	-126.49	-4.19	-51.14	-0.44
	C105	-993.36	32.98	-122.10	2.05	-47.75	0.57
	C106	-987.31	31.96	-125.90	1.70	-49.34	0.53
	C107	-810.34	27.03	-100.60	1.66	-39.36	0.40
	C108	-804.29	26.01	-104.40	1.31	-40.95	0.36
	C109	-795.62	37.16	-142.05	-2.28	-56.62	0.12
	C110	-791.06	35.20	-141.20	-2.18	-56.28	0.10
	C111	-617.87	29.37	-109.15	-1.61	-43.48	0.04
	C112	-613.30	27.42	-108.30	-1.52	-43.14	0.02
	C113	-767.96	-1.82	-142.73	-1.36	-56.94	-0.02
	C114	-763.39	-3.78	-141.89	-1.26	-56.60	-0.04
	C115	-622.67	0.26	-113.99	-0.94	-45.44	-0.07
	C116	-618.10	-1.69	-113.14	-0.84	-45.10	-0.08
	C201	-457.65	-5.11	-156.82	-6.45	-63.71	-0.60
	C202	-449.48	-6.48	-161.95	-6.92	-65.86	-0.65
	C203	-251.62	-5.07	-99.37	-4.39	-40.47	-0.55
	C204	-243.45	-6.44	-104.50	-4.86	-42.62	-0.60
	C205	-975.92	36.60	-98.58	3.57	-38.04	0.76
	C206	-967.75	35.23	-103.71	3.10	-40.19	0.71
	C207	-728.84	28.57	-69.55	3.03	-26.72	0.53
	C208	-720.67	27.19	-74.68	2.56	-28.87	0.48
	C209	-708.97	42.24	-125.51	-2.27	-50.02	0.15
	C210	-702.81	39.60	-124.37	-2.15	-49.56	0.13
	C211	-469.00	31.73	-81.09	-1.38	-32.28	0.04
	C212	-462.84	29.09	-79.95	-1.25	-31.82	0.02
	C213	-671.63	-10.38	-126.44	-1.03	-50.45	-0.04
	C214	-665.46	-13.02	-125.29	-0.91	-49.99	-0.06
	C215	-475.48	-7.57	-87.62	-0.46	-34.93	-0.10
	C216	-469.32	-10.21	-86.48	-0.34	-34.47	-0.12
	C301	-346.17	-7.52	-136.59	-6.20	-55.64	-0.61
	C302	-338.00	-8.90	-141.72	-6.67	-57.79	-0.66
	C303	-140.13	-7.49	-79.14	-4.15	-32.40	-0.55
	C304	-131.96	-8.86	-84.27	-4.62	-34.56	-0.60
	C305	-864.43	34.18	-78.35	3.81	-29.98	0.76
	C306	-856.26	32.81	-83.48	3.34	-32.13	0.71
	C307	-617.36	26.15	-49.32	3.28	-18.65	0.53
	C308	-609.19	24.77	-54.45	2.80	-20.80	0.48
	C309	-597.49	39.82	-105.28	-2.03	-41.96	0.15
	C310	-591.32	37.18	-104.14	-1.90	-41.50	0.13
	C311	-357.52	29.31	-60.86	-1.13	-24.21	0.04
	C312	-351.35	26.67	-59.71	-1.01	-23.75	0.02
	C313	-560.14	-12.80	-106.20	-0.79	-42.39	-0.04
	C314	-553.98	-15.44	-105.06	-0.66	-41.93	-0.06
	C315	-363.99	-9.99	-67.39	-0.22	-26.86	-0.10
	C316	-357.83	-12.63	-66.25	-0.10	-26.40	-0.12

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2480

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
161- 166	161	DUM	C101	-447.33	3.42	64.48	-0.56	-26.78	-2.30
			C102	-423.70	5.86	58.74	-0.42	-24.56	-4.20
			C103	-290.33	3.83	40.61	-0.48	-16.96	-2.82
			C104	-266.70	6.27	34.87	-0.34	-14.74	-4.72
			C105	-1271.15	-60.48	245.85	-4.29	-97.72	47.50
			C106	-1247.53	-58.04	240.11	-4.15	-95.49	45.61
			C107	-996.57	-47.40	193.10	-3.49	-76.74	37.17
			C108	-972.94	-44.96	187.36	-3.35	-74.52	35.27
			C109	-481.03	3.62	87.89	-1.19	-35.29	-2.93
			C110	-506.46	0.90	92.42	-1.30	-37.10	-0.77
			C111	-336.77	3.82	62.03	-0.97	-24.90	-3.14
			C112	-362.20	1.09	66.56	-1.09	-26.71	-0.99
			C113	-1139.85	-54.00	203.55	-3.30	-81.71	42.86
			C114	-1165.28	-56.73	208.08	-3.42	-83.52	45.01

	C115	-868.72	-41.21	155.66	-2.68	-62.47	32.63
	C116	-894.15	-43.93	160.19	-2.79	-64.28	34.78
	C201	-224.68	16.88	18.79	0.34	-8.76	-12.82
	C202	-192.79	20.18	11.04	0.53	-5.76	-15.38
	C203	-12.74	17.44	-13.43	0.44	4.49	-13.52
	C204	19.16	20.74	-21.18	0.63	7.50	-16.08
	C205	-1336.85	-69.38	263.65	-4.70	-104.52	54.42
	C206	-1304.95	-66.08	255.90	-4.51	-101.52	51.86
	C207	-966.16	-51.73	192.43	-3.62	-76.21	40.47
	C208	-934.26	-48.43	184.68	-3.44	-73.20	37.91
	C209	-270.18	17.16	50.40	-0.52	-20.25	-13.66
	C210	-304.52	13.48	56.51	-0.67	-22.69	-10.75
	C211	-75.43	17.42	15.49	-0.22	-6.21	-13.95
	C212	-109.76	13.74	21.60	-0.38	-8.66	-11.04
	C213	-1159.59	-60.63	206.54	-3.37	-82.91	48.15
	C214	-1193.92	-64.32	212.65	-3.53	-85.36	51.06
	C215	-793.55	-43.36	141.89	-2.53	-56.93	34.34
	C216	-827.89	-47.04	148.00	-2.68	-59.38	37.25
	C301	-108.89	20.62	-2.05	0.67	-0.40	-15.78
	C302	-77.00	23.92	-9.80	0.86	2.61	-18.34
	C303	103.05	21.19	-34.27	0.78	12.86	-16.48
	C304	134.95	24.48	-42.02	0.96	15.86	-19.04
	C305	-1221.06	-65.64	242.81	-4.37	-96.16	51.46
	C306	-1189.16	-62.34	235.06	-4.18	-93.16	48.90
	C307	-850.37	-47.98	171.59	-3.29	-67.84	37.51
	C308	-818.47	-44.68	163.84	-3.10	-64.84	34.95
	C309	-154.39	20.90	29.56	-0.18	-11.88	-16.63
	C310	-188.73	17.22	35.67	-0.34	-14.33	-13.71
	C311	40.36	21.16	-5.35	0.11	2.15	-16.92
	C312	6.03	17.48	0.76	-0.05	-0.30	-14.00
	C313	-1043.80	-56.89	185.70	-3.04	-74.55	45.18
	C314	-1078.13	-60.57	191.81	-3.20	-76.99	48.10
	C315	-677.77	-39.61	121.05	-2.19	-48.57	31.37
	C316	-712.10	-43.30	127.16	-2.35	-51.01	34.28
166	C101	-447.33	3.42	64.48	-0.56	24.80	0.43
	C102	-423.70	5.86	58.74	-0.42	22.43	0.49
	C103	-290.33	3.83	40.61	-0.48	15.52	0.24
	C104	-266.70	6.27	34.87	-0.34	13.15	0.30
	C105	-1271.15	-60.48	245.85	-4.29	98.96	-0.88
	C106	-1247.53	-58.04	240.11	-4.15	96.59	-0.82
	C107	-996.57	-47.40	193.10	-3.49	77.73	-0.75
	C108	-972.94	-44.96	187.36	-3.35	75.36	-0.69
	C109	-481.03	3.62	87.89	-1.19	35.02	-0.03
	C110	-506.46	0.90	92.42	-1.30	36.83	-0.06
	C111	-336.77	3.82	62.03	-0.97	24.73	-0.09
	C112	-362.20	1.09	66.56	-1.09	26.54	-0.12
	C113	-1139.85	-54.00	203.55	-3.30	81.13	-0.34
	C114	-1165.28	-56.73	208.08	-3.42	82.94	-0.37
	C115	-868.72	-41.21	155.66	-2.68	62.06	-0.34
	C116	-894.15	-43.93	160.19	-2.79	63.87	-0.36
	C201	-224.68	16.88	18.79	0.34	6.27	0.69
	C202	-192.79	20.18	11.04	0.53	3.07	0.77
	C203	-12.74	17.44	-13.43	0.44	-6.25	0.43
	C204	19.16	20.74	-21.18	0.63	-9.45	0.51
	C205	-1336.85	-69.38	263.65	-4.70	106.39	-1.08
	C206	-1304.95	-66.08	255.90	-4.51	103.20	-1.01
	C207	-966.16	-51.73	192.43	-3.62	77.73	-0.91
	C208	-934.26	-48.43	184.68	-3.44	74.54	-0.83
	C209	-270.18	17.16	50.40	-0.52	20.07	0.07
	C210	-304.52	13.48	56.51	-0.67	22.51	0.03
	C211	-75.43	17.42	15.49	-0.22	6.18	-0.02
	C212	-109.76	13.74	21.60	-0.38	8.62	-0.05
	C213	-1159.59	-60.63	206.54	-3.37	82.32	-0.36
	C214	-1193.92	-64.32	212.65	-3.53	84.76	-0.39
	C215	-793.55	-43.36	141.89	-2.53	56.58	-0.35
	C216	-827.89	-47.04	148.00	-2.68	59.02	-0.39
	C301	-108.89	20.62	-2.05	0.67	-2.04	0.72
	C302	-77.00	23.92	-9.80	0.86	-5.23	0.80
	C303	103.05	21.19	-34.27	0.78	-14.56	0.47
	C304	134.95	24.48	-42.02	0.96	-17.75	0.54
	C305	-1221.06	-65.64	242.81	-4.37	98.09	-1.05
	C306	-1189.16	-62.34	235.06	-4.18	94.89	-0.97
	C307	-850.37	-47.98	171.59	-3.29	69.43	-0.88
	C308	-818.47	-44.68	163.84	-3.10	66.23	-0.80
	C309	-154.39	20.90	29.56	-0.18	11.77	0.10
	C310	-188.73	17.22	35.67	-0.34	14.21	0.06
	C311	40.36	21.16	-5.35	0.11	-2.13	0.02
	C312	6.03	17.48	0.76	-0.05	0.32	-0.02
	C313	-1043.80	-56.89	185.70	-3.04	74.01	-0.33
	C314	-1078.13	-60.57	191.81	-3.20	76.46	-0.36
	C315	-677.77	-39.61	121.05	-2.19	48.27	-0.32
	C316	-712.10	-43.30	127.16	-2.35	50.71	-0.35

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
162- 167	162	DUM	C101	-591.07	-38.91	-122.14	2.73	48.14	30.24
			C102	-580.40	-40.24	-121.68	2.79	47.87	31.24
			C103	-394.24	-26.66	-82.35	2.01	32.42	20.62
			C104	-383.57	-27.99	-81.89	2.08	32.16	21.62
			C105	-1118.98	-15.02	-185.07	1.75	75.20	12.56
			C106	-1108.32	-16.36	-184.61	1.81	74.93	13.57
			C107	-874.39	-10.92	-144.23	1.43	58.63	9.13
			C108	-863.73	-12.25	-143.77	1.50	58.37	10.13
			C109	-476.46	5.29	-86.19	1.00	34.65	-4.21
			C110	-501.68	2.62	-90.63	1.11	36.43	-2.10
			C111	-329.44	6.29	-59.21	0.74	23.84	-5.04
			C112	-354.67	3.62	-63.65	0.85	25.62	-2.93
			C113	-1148.05	-56.05	-207.05	3.31	83.01	44.43
			C114	-1173.27	-58.72	-211.49	3.43	84.79	46.54
			C115	-870.21	-41.30	-156.42	2.58	62.75	32.70
			C116	-895.43	-43.97	-160.86	2.69	64.53	34.81
			C201	-418.68	-40.42	-96.53	2.65	37.55	31.23
			C202	-404.28	-42.22	-95.91	2.74	37.20	32.59
			C203	-152.96	-23.88	-42.81	1.69	16.34	18.24
			C204	-138.56	-25.67	-42.19	1.78	15.98	19.60
			C205	-1131.36	-8.17	-181.49	1.33	74.08	7.37
			C206	-1116.96	-9.97	-180.87	1.42	73.73	8.72
			C207	-801.17	-2.63	-126.36	0.90	51.72	2.73
			C208	-786.77	-4.43	-125.74	0.99	51.36	4.09
			C209	-263.96	19.25	-48.00	0.32	19.35	-15.27
			C210	-298.01	15.65	-53.99	0.47	21.75	-12.42
			C211	-65.49	20.60	-11.58	-0.03	4.75	-16.40
			C212	-99.54	17.00	-17.57	0.12	7.16	-13.55
			C213	-1170.60	-63.56	-211.17	3.45	84.63	50.40
			C214	-1204.65	-67.16	-217.16	3.60	87.03	53.24
			C215	-795.52	-43.65	-142.82	2.46	57.27	34.56
			C216	-829.56	-47.25	-148.81	2.61	59.68	37.40
			C301	-302.87	-36.72	-75.66	2.34	29.18	28.30
			C302	-288.48	-38.52	-75.04	2.43	28.82	29.66
			C303	-37.15	-20.18	-21.94	1.37	7.96	15.31
			C304	-22.76	-21.98	-21.32	1.46	7.61	16.67
			C305	-1015.55	-4.47	-160.62	1.02	65.71	4.44
			C306	-1001.16	-6.27	-160.00	1.11	65.35	5.80
			C307	-685.36	1.07	-105.49	0.59	43.34	-0.20
			C308	-670.97	-0.73	-104.87	0.67	42.99	1.16
			C309	-148.16	22.95	-27.13	0.00	10.97	-18.20
			C310	-182.21	19.35	-33.12	0.15	13.38	-15.35
			C311	50.32	24.30	9.29	-0.35	-3.62	-19.32
			C312	16.27	20.70	3.30	-0.20	-1.22	-16.48
			C313	-1054.80	-59.86	-190.29	3.13	76.25	47.47
			C314	-1088.85	-63.46	-196.29	3.28	78.65	50.32
			C315	-679.71	-39.95	-121.95	2.14	48.90	31.63
			C316	-713.76	-43.55	-127.94	2.29	51.30	34.48
	167		C101	-591.07	-38.91	-122.14	2.73	-49.57	-0.89
			C102	-580.40	-40.24	-121.68	2.79	-49.47	-0.95
			C103	-394.24	-26.66	-82.35	2.01	-33.46	-0.71
			C104	-383.57	-27.99	-81.89	2.08	-33.35	-0.77
			C105	-1118.98	-15.02	-185.07	1.75	-72.86	0.54
			C106	-1108.32	-16.36	-184.61	1.81	-72.75	0.48
			C107	-874.39	-10.92	-144.23	1.43	-56.76	0.39
			C108	-863.73	-12.25	-143.77	1.50	-56.65	0.33
			C109	-476.46	5.29	-86.19	1.00	-34.30	0.02
			C110	-501.68	2.62	-90.63	1.11	-36.07	-0.00
			C111	-329.44	6.29	-59.21	0.74	-23.52	-0.01
			C112	-354.67	3.62	-63.65	0.85	-25.30	-0.04
			C113	-1148.05	-56.05	-207.05	3.31	-82.63	-0.41
			C114	-1173.27	-58.72	-211.49	3.43	-84.41	-0.43
			C115	-870.21	-41.30	-156.42	2.58	-62.39	-0.34
			C116	-895.43	-43.97	-160.86	2.69	-64.17	-0.36
			C201	-418.68	-40.42	-96.53	2.65	-39.67	-1.11
			C202	-404.28	-42.22	-95.91	2.74	-39.53	-1.19
			C203	-152.96	-23.88	-42.81	1.69	-17.91	-0.86
			C204	-138.56	-25.67	-42.19	1.78	-17.77	-0.94
			C205	-1131.36	-8.17	-181.49	1.33	-71.11	0.83
			C206	-1116.96	-9.97	-180.87	1.42	-70.97	0.75
			C207	-801.17	-2.63	-126.36	0.90	-49.37	0.63
			C208	-786.77	-4.43	-125.74	0.99	-49.23	0.55
			C209	-263.96	19.25	-48.00	0.32	-19.05	0.13
			C210	-298.01	15.65	-53.99	0.47	-21.44	0.10
			C211	-65.49	20.60	-11.58	-0.03	-4.51	0.08
			C212	-99.54	17.00	-17.57	0.12	-6.90	0.05
			C213	-1170.60	-63.56	-211.17	3.45	-84.31	-0.45
			C214	-1204.65	-67.16	-217.16	3.60	-86.70	-0.48
			C215	-795.52	-43.65	-142.82	2.46	-56.98	-0.36

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C216	-829.56	-47.25	-148.81	2.61	-59.37	-0.39
C301	-302.87	-36.72	-75.66	2.34	-31.35	-1.07
C302	-288.48	-38.52	-75.04	2.43	-31.21	-1.16
C303	-37.15	-20.18	-21.94	1.37	-9.59	-0.83
C304	-22.76	-21.98	-21.32	1.46	-9.45	-0.91
C305	-1015.55	-4.47	-160.62	1.02	-62.79	0.86
C306	-1001.16	-6.27	-160.00	1.11	-62.65	0.78
C307	-685.36	1.07	-105.49	0.59	-41.05	0.66
C308	-670.97	-0.73	-104.87	0.67	-40.91	0.58
C309	-148.16	22.95	-27.13	0.00	-10.73	0.16
C310	-182.21	19.35	-33.12	0.15	-13.12	0.13
C311	50.32	24.30	9.29	-0.35	3.81	0.11
C312	16.27	20.70	3.30	-0.20	1.42	0.08
C313	-1054.80	-59.86	-190.29	3.13	-75.98	-0.42
C314	-1088.85	-63.46	-196.29	3.28	-78.38	-0.45
C315	-679.71	-39.95	-121.95	2.14	-48.66	-0.33
C316	-713.76	-43.55	-127.94	2.29	-51.05	-0.36

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2482

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
163- 173	163	DUM	C101	-226.75	-3.56	4.80	-0.87	-2.22	-0.29
			C102	-210.69	-3.80	-3.61	-0.99	1.12	-0.28
			C103	-167.09	-5.12	5.62	-0.46	-2.47	-0.28
			C104	-151.04	-5.36	-2.79	-0.59	0.87	-0.27
			C105	-748.32	5.51	233.42	1.96	-93.19	-0.72
			C106	-732.27	5.27	225.01	1.84	-89.85	-0.71
			C107	-603.69	2.64	189.07	1.69	-75.49	-0.63
			C108	-587.63	2.40	180.66	1.57	-72.15	-0.62
			C109	-455.10	0.69	117.68	0.82	-47.12	-1.58
			C110	-454.57	0.38	117.21	0.80	-46.93	-1.48
			C111	-351.63	-1.46	93.38	0.80	-37.39	-1.28
			C112	-351.11	-1.76	92.91	0.78	-37.20	-1.18
			C113	-481.46	0.83	107.71	0.19	-43.17	0.49
			C114	-480.94	0.53	107.24	0.17	-42.98	0.59
			C115	-388.31	-1.30	90.11	0.33	-36.11	0.29
			C116	-387.78	-1.60	89.64	0.32	-35.92	0.38
			C201	-87.12	-4.74	-46.60	-1.43	18.26	-0.15
			C202	-65.44	-5.07	-57.95	-1.60	22.78	-0.14
			C203	-6.59	-6.86	-45.49	-0.89	17.93	-0.13
			C204	15.09	-7.18	-56.84	-1.05	22.44	-0.12
			C205	-791.25	7.50	262.04	2.39	-104.54	-0.73
			C206	-769.57	7.17	250.69	2.23	-100.03	-0.72
			C207	-595.99	3.62	202.17	2.02	-80.65	-0.61
			C208	-574.32	3.30	190.82	1.86	-76.14	-0.60
			C209	-395.39	0.99	105.79	0.84	-42.35	-1.89
			C210	-394.69	0.58	105.15	0.82	-42.10	-1.76
			C211	-255.71	-1.91	72.99	0.82	-29.21	-1.48
			C212	-255.01	-2.32	72.35	0.80	-28.96	-1.35
			C213	-430.99	1.18	92.33	-0.01	-37.02	0.90
			C214	-430.28	0.77	91.69	-0.03	-36.76	1.04
			C215	-305.22	-1.69	68.57	0.19	-27.48	0.63
			C216	-304.52	-2.10	67.93	0.17	-27.23	0.76
			C301	-20.25	-4.73	-62.81	-1.51	24.76	-0.08
			C302	1.42	-5.05	-74.16	-1.68	29.27	-0.06
			C303	60.28	-6.84	-61.70	-0.97	24.42	-0.06
			C304	81.96	-7.16	-73.05	-1.13	28.93	-0.04
			C305	-724.38	7.51	245.83	2.31	-98.05	-0.66
			C306	-702.70	7.19	234.48	2.15	-93.54	-0.65
			C307	-529.13	3.64	185.96	1.94	-74.15	-0.54
			C308	-507.45	3.32	174.61	1.78	-69.64	-0.53
			C309	-328.53	1.01	89.58	0.76	-35.86	-1.82
			C310	-327.82	0.59	88.95	0.74	-35.61	-1.68
			C311	-188.85	-1.89	56.78	0.74	-22.72	-1.41
			C312	-188.14	-2.30	56.15	0.72	-22.46	-1.27
			C313	-364.12	1.20	76.12	-0.09	-30.53	0.98
			C314	-363.41	0.79	75.48	-0.11	-30.27	1.11
			C315	-238.36	-1.67	52.36	0.11	-20.99	0.70
			C316	-237.65	-2.09	51.73	0.09	-20.73	0.83
	173		C101	-226.75	-3.56	4.80	-0.87	1.62	-3.14
			C102	-210.69	-3.80	-3.61	-0.99	-1.77	-3.32
			C103	-167.09	-5.12	5.62	-0.46	2.03	-4.38
			C104	-151.04	-5.36	-2.79	-0.59	-1.36	-4.56
			C105	-748.32	5.51	233.42	1.96	93.54	3.69
			C106	-732.27	5.27	225.01	1.84	90.16	3.50
			C107	-603.69	2.64	189.07	1.69	75.77	1.48
			C108	-587.63	2.40	180.66	1.57	72.38	1.30
			C109	-455.10	0.69	117.68	0.82	47.02	-1.03
			C110	-454.57	0.38	117.21	0.80	46.83	-1.17

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C111	-351.63	-1.46	93.38	0.80	37.32	-2.44
C112	-351.11	-1.76	92.91	0.78	37.13	-2.58
C113	-481.46	0.83	107.71	0.19	42.99	1.15
C114	-480.94	0.53	107.24	0.17	42.81	1.01
C115	-388.31	-1.30	90.11	0.33	35.98	-0.75
C116	-387.78	-1.60	89.64	0.32	35.79	-0.90
C201	-87.12	-4.74	-46.60	-1.43	-19.02	-3.95
C202	-65.44	-5.07	-57.95	-1.60	-23.58	-4.19
C203	-6.59	-6.86	-45.49	-0.89	-18.46	-5.62
C204	15.09	-7.18	-56.84	-1.05	-23.03	-5.86
C205	-791.25	7.50	262.04	2.39	105.09	5.26
C206	-769.57	7.17	250.69	2.23	100.52	5.02
C207	-595.99	3.62	202.17	2.02	81.09	2.28
C208	-574.32	3.30	190.82	1.86	76.52	2.04
C209	-395.39	0.99	105.79	0.84	42.28	-1.10
C210	-394.69	0.58	105.15	0.82	42.02	-1.30
C211	-255.71	-1.91	72.99	0.82	29.18	-3.01
C212	-255.01	-2.32	72.35	0.80	28.93	-3.20
C213	-430.99	1.18	92.33	-0.01	36.84	1.85
C214	-430.28	0.77	91.69	-0.03	36.59	1.65
C215	-305.22	-1.69	68.57	0.19	27.37	-0.73
C216	-304.52	-2.10	67.93	0.17	27.12	-0.92
C301	-20.25	-4.73	-62.81	-1.51	-25.49	-3.86
C302	1.42	-5.05	-74.16	-1.68	-30.06	-4.10
C303	60.28	-6.84	-61.70	-0.97	-24.94	-5.53
C304	81.96	-7.16	-73.05	-1.13	-29.50	-5.77
C305	-724.38	7.51	245.83	2.31	98.61	5.35
C306	-702.70	7.19	234.48	2.15	94.05	5.11
C307	-529.13	3.64	185.96	1.94	74.61	2.37
C308	-507.45	3.32	174.61	1.78	70.05	2.13
C309	-328.53	1.01	89.58	0.76	35.80	-1.01
C310	-327.82	0.59	88.95	0.74	35.55	-1.21
C311	-188.85	-1.89	56.78	0.74	22.71	-2.92
C312	-188.14	-2.30	56.15	0.72	22.45	-3.11
C313	-364.12	1.20	76.12	-0.09	30.37	1.93
C314	-363.41	0.79	75.48	-0.11	30.11	1.74
C315	-238.36	-1.67	52.36	0.11	20.90	-0.64
C316	-237.65	-2.09	51.73	0.09	20.65	-0.83

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2483

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
168- 174	168	DUM	C101	-173.26	6.25	46.73	-3.29	-19.22	-0.38
			C102	-150.55	7.34	41.55	-3.55	-17.19	-0.49
			C103	-104.20	2.22	28.96	-2.28	-11.97	-0.39
			C104	-81.48	3.31	23.78	-2.54	-9.94	-0.50
			C105	-866.82	-17.46	205.67	2.47	-81.84	2.49
			C106	-844.11	-16.37	200.49	2.21	-79.81	2.38
			C107	-680.49	-15.59	161.69	2.04	-64.34	1.92
			C108	-657.78	-14.51	156.51	1.79	-62.31	1.80
			C109	-281.11	-3.35	71.85	-0.35	-28.76	-0.53
			C110	-297.58	-3.84	75.51	-0.35	-30.23	-0.40
			C111	-197.65	-4.65	50.94	-0.11	-20.38	-0.49
			C112	-214.12	-5.13	54.61	-0.10	-21.85	-0.36
			C113	-691.06	-6.53	164.76	-0.66	-66.02	2.33
			C114	-707.54	-7.02	168.43	-0.65	-67.49	2.46
			C115	-528.71	-7.31	126.24	-0.35	-50.57	1.73
			C116	-545.19	-7.80	129.90	-0.34	-52.04	1.87
			C201	-5.87	11.23	7.64	-4.23	-3.74	-0.96
			C202	24.80	12.69	0.65	-4.58	-1.00	-1.11
			C203	87.36	5.79	-16.35	-2.87	6.05	-0.96
			C204	118.03	7.25	-23.34	-3.22	8.79	-1.11
			C205	-942.18	-20.78	222.21	3.54	-88.28	2.93
			C206	-911.51	-19.31	215.21	3.20	-85.54	2.78
			C207	-690.63	-18.26	162.84	2.97	-64.65	2.15
			C208	-659.96	-16.79	155.84	2.62	-61.90	2.00
			C209	-151.46	-1.73	41.55	-0.27	-16.62	-1.15
			C210	-173.70	-2.39	46.50	-0.26	-18.60	-0.98
			C211	-38.79	-3.48	13.32	0.06	-5.30	-1.10
			C212	-61.03	-4.14	18.27	0.07	-7.28	-0.92
			C213	-704.90	-6.02	166.98	-0.69	-66.92	2.71
			C214	-727.15	-6.68	171.93	-0.68	-68.90	2.89
			C215	-485.72	-7.09	114.97	-0.27	-46.06	1.90
			C216	-507.97	-7.74	119.92	-0.26	-48.04	2.08
			C301	63.76	12.08	-9.29	-4.17	3.04	-1.09
			C302	94.43	13.54	-16.28	-4.52	5.78	-1.24
			C303	156.99	6.64	-33.28	-2.81	12.83	-1.09
			C304	187.66	8.11	-40.27	-3.16	15.57	-1.24
			C305	-872.55	-19.93	205.28	3.61	-81.50	2.79

	C306	-841.88	-18.46	198.28	3.26	-78.76	2.64
	C307	-621.00	-17.41	145.91	3.03	-57.86	2.01
	C308	-590.33	-15.94	138.91	2.68	-55.12	1.86
	C309	-81.83	-0.88	24.62	-0.21	-9.84	-1.29
	C310	-104.07	-1.54	29.57	-0.20	-11.82	-1.11
	C311	30.84	-2.63	-3.61	0.12	1.48	-1.24
	C312	8.60	-3.29	1.34	0.13	-0.50	-1.06
	C313	-635.27	-5.17	150.05	-0.62	-60.14	2.57
	C314	-657.52	-5.83	155.00	-0.61	-62.12	2.75
	C315	-416.09	-6.23	98.04	-0.21	-39.28	1.77
	C316	-438.34	-6.89	102.99	-0.20	-41.26	1.95
174	C101	-173.26	6.25	46.73	-3.29	18.16	4.62
	C102	-150.55	7.34	41.55	-3.55	16.05	5.37
	C103	-104.20	2.22	28.96	-2.28	11.20	1.39
	C104	-81.48	3.31	23.78	-2.54	9.09	2.15
	C105	-866.82	-17.46	205.67	2.47	82.69	-11.47
	C106	-844.11	-16.37	200.49	2.21	80.58	-10.72
	C107	-680.49	-15.59	161.69	2.04	65.02	-10.56
	C108	-657.78	-14.51	156.51	1.79	62.90	-9.80
	C109	-281.11	-3.35	71.85	-0.35	28.72	-3.21
	C110	-297.58	-3.84	75.51	-0.35	30.18	-3.47
	C111	-197.65	-4.65	50.94	-0.11	20.37	-4.21
	C112	-214.12	-5.13	54.61	-0.10	21.84	-4.46
	C113	-691.06	-6.53	164.76	-0.66	65.79	-2.89
	C114	-707.54	-7.02	168.43	-0.65	67.25	-3.15
	C115	-528.71	-7.31	126.24	-0.35	50.42	-4.12
	C116	-545.19	-7.80	129.90	-0.34	51.88	-4.38
	C201	-5.87	11.23	7.64	-4.23	2.37	8.02
	C202	24.80	12.69	0.65	-4.58	-0.49	9.05
	C203	87.36	5.79	-16.35	-2.87	-7.03	3.67
	C204	118.03	7.25	-23.34	-3.22	-9.88	4.69
	C205	-942.18	-20.78	222.21	3.54	89.49	-13.70
	C206	-911.51	-19.31	215.21	3.20	86.63	-12.67
	C207	-690.63	-18.26	162.84	2.97	65.62	-12.46
	C208	-659.96	-16.79	155.84	2.62	62.77	-11.44
	C209	-151.46	-1.73	41.55	-0.27	16.62	-2.54
	C210	-173.70	-2.39	46.50	-0.26	18.60	-2.89
	C211	-38.79	-3.48	13.32	0.06	5.36	-3.89
	C212	-61.03	-4.14	18.27	0.07	7.33	-4.23
	C213	-704.90	-6.02	166.98	-0.69	66.66	-2.11
	C214	-727.15	-6.68	171.93	-0.68	68.64	-2.46
	C215	-485.72	-7.09	114.97	-0.27	45.92	-3.77
	C216	-507.97	-7.74	119.92	-0.26	47.89	-4.12
	C301	63.76	12.08	-9.29	-4.17	-4.39	8.57
	C302	94.43	13.54	-16.28	-4.52	-7.25	9.59
	C303	156.99	6.64	-33.28	-2.81	-13.79	4.22
	C304	187.66	8.11	-40.27	-3.16	-16.64	5.24
	C305	-872.55	-19.93	205.28	3.61	82.72	-13.15
	C306	-841.88	-18.46	198.28	3.26	79.87	-12.13
	C307	-621.00	-17.41	145.91	3.03	58.86	-11.91
	C308	-590.33	-15.94	138.91	2.68	56.01	-10.89
	C309	-81.83	-0.88	24.62	-0.21	9.86	-1.99
	C310	-104.07	-1.54	29.57	-0.20	11.84	-2.34
	C311	30.84	-2.63	-3.61	0.12	-1.41	-3.34
	C312	8.60	-3.29	1.34	0.13	0.57	-3.69
	C313	-635.27	-5.17	150.05	-0.62	59.90	-1.56
	C314	-657.52	-5.83	155.00	-0.61	61.88	-1.91
	C315	-416.09	-6.23	98.04	-0.21	39.15	-3.22
	C316	-438.34	-6.89	102.99	-0.20	41.13	-3.57

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2484

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
169- 177	169	DUM	C101	-396.43	-1.98	-149.87	-1.87	59.73	-0.41
			C102	-395.44	-2.11	-154.34	-1.99	61.50	-0.40
			C103	-290.16	-3.89	-110.91	-1.50	44.21	-0.37
			C104	-289.18	-4.01	-115.38	-1.62	45.97	-0.37
			C105	-572.00	4.59	-83.14	1.03	33.60	-0.65
			C106	-571.01	4.46	-87.61	0.91	35.37	-0.65
			C107	-462.55	1.97	-68.81	0.72	27.80	-0.58
			C108	-461.56	1.84	-73.28	0.59	29.57	-0.58
			C109	-451.37	1.01	-114.73	-0.68	45.95	-1.60
			C110	-450.60	0.70	-114.05	-0.66	45.68	-1.50
			C111	-344.70	-1.16	-87.69	-0.61	35.13	-1.30
			C112	-343.93	-1.46	-87.01	-0.59	34.86	-1.20
			C113	-492.58	1.26	-117.44	-0.29	47.03	0.46
			C114	-491.81	0.96	-116.75	-0.27	46.75	0.56
			C115	-391.62	-0.92	-93.18	-0.31	37.32	0.26
			C116	-390.85	-1.23	-92.49	-0.29	37.05	0.36

	C201	-315.33	-2.80	-148.39	-2.28	59.04	-0.29
	C202	-314.00	-2.97	-154.43	-2.45	61.43	-0.29
	C203	-171.87	-5.37	-95.79	-1.79	38.08	-0.24
	C204	-170.54	-5.54	-101.83	-1.96	40.47	-0.24
	C205	-552.35	6.07	-58.31	1.63	23.76	-0.63
	C206	-551.02	5.90	-64.35	1.46	26.15	-0.62
	C207	-404.59	2.53	-38.96	1.20	15.93	-0.53
	C208	-403.26	2.36	-45.00	1.04	18.32	-0.53
	C209	-389.50	1.24	-100.95	-0.68	40.43	-1.91
	C210	-388.46	0.83	-100.03	-0.65	40.07	-1.77
	C211	-245.50	-1.68	-64.46	-0.59	25.83	-1.50
	C212	-244.45	-2.10	-63.54	-0.56	25.46	-1.36
	C213	-445.13	1.58	-104.61	-0.16	41.89	0.87
	C214	-444.09	1.17	-103.69	-0.13	41.52	1.01
	C215	-308.84	-1.37	-71.86	-0.19	28.78	0.60
	C216	-307.80	-1.78	-70.94	-0.16	28.42	0.74
	C301	-248.20	-2.84	-131.92	-2.21	52.45	-0.22
	C302	-246.87	-3.01	-137.96	-2.38	54.83	-0.22
	C303	-104.74	-5.41	-79.33	-1.72	31.49	-0.16
	C304	-103.41	-5.58	-85.37	-1.88	33.87	-0.16
	C305	-485.22	6.03	-41.84	1.70	17.17	-0.55
	C306	-483.89	5.86	-47.88	1.53	19.55	-0.55
	C307	-337.46	2.50	-22.49	1.28	9.34	-0.45
	C308	-336.13	2.32	-28.53	1.11	11.72	-0.45
	C309	-322.37	1.20	-84.49	-0.61	33.84	-1.83
	C310	-321.33	0.79	-83.57	-0.58	33.47	-1.70
	C311	-178.37	-1.72	-47.99	-0.52	19.23	-1.42
	C312	-177.32	-2.13	-47.07	-0.49	18.86	-1.28
	C313	-378.00	1.54	-88.15	-0.09	35.29	0.95
	C314	-376.96	1.13	-87.22	-0.06	34.92	1.09
	C315	-241.71	-1.41	-55.39	-0.12	22.19	0.68
	C316	-240.67	-1.82	-54.47	-0.09	21.82	0.82
177	C101	-396.43	-1.98	-149.87	-1.87	-60.16	-1.99
	C102	-395.44	-2.11	-154.34	-1.99	-61.97	-2.09
	C103	-290.16	-3.89	-110.91	-1.50	-44.52	-3.48
	C104	-289.18	-4.01	-115.38	-1.62	-46.33	-3.58
	C105	-572.00	4.59	-83.14	1.03	-32.91	3.02
	C106	-571.01	4.46	-87.61	0.91	-34.72	2.92
	C107	-462.55	1.97	-68.81	0.72	-27.25	0.99
	C108	-461.56	1.84	-73.28	0.59	-29.06	0.89
	C109	-451.37	1.01	-114.73	-0.68	-45.83	-0.79
	C110	-450.60	0.70	-114.05	-0.66	-45.56	-0.94
	C111	-344.70	-1.16	-87.69	-0.61	-35.03	-2.22
	C112	-343.93	-1.46	-87.01	-0.59	-34.75	-2.37
	C113	-492.58	1.26	-117.44	-0.29	-46.92	1.47
	C114	-491.81	0.96	-116.75	-0.27	-46.65	1.32
	C115	-391.62	-0.92	-93.18	-0.31	-37.22	-0.48
	C116	-390.85	-1.23	-92.49	-0.29	-36.95	-0.62
	C201	-315.33	-2.80	-148.39	-2.28	-59.67	-2.54
	C202	-314.00	-2.97	-154.43	-2.45	-62.12	-2.67
	C203	-171.87	-5.37	-95.79	-1.79	-38.55	-4.54
	C204	-170.54	-5.54	-101.83	-1.96	-41.00	-4.67
	C205	-552.35	6.07	-58.31	1.63	-22.88	4.23
	C206	-551.02	5.90	-64.35	1.46	-25.33	4.10
	C207	-404.59	2.53	-38.96	1.20	-15.24	1.50
	C208	-403.26	2.36	-45.00	1.04	-17.68	1.36
	C209	-389.50	1.24	-100.95	-0.68	-40.33	-0.92
	C210	-388.46	0.83	-100.03	-0.65	-39.96	-1.11
	C211	-245.50	-1.68	-64.46	-0.59	-25.74	-2.84
	C212	-244.45	-2.10	-63.54	-0.56	-25.37	-3.04
	C213	-445.13	1.58	-104.61	-0.16	-41.80	2.14
	C214	-444.09	1.17	-103.69	-0.13	-41.43	1.94
	C215	-308.84	-1.37	-71.86	-0.19	-28.70	-0.49
	C216	-307.80	-1.78	-70.94	-0.16	-28.34	-0.69
	C301	-248.20	-2.84	-131.92	-2.21	-53.09	-2.49
	C302	-246.87	-3.01	-137.96	-2.38	-55.54	-2.62
	C303	-104.74	-5.41	-79.33	-1.72	-31.97	-4.49
	C304	-103.41	-5.58	-85.37	-1.88	-34.42	-4.62
	C305	-485.22	6.03	-41.84	1.70	-16.30	4.28
	C306	-483.89	5.86	-47.88	1.53	-18.75	4.14
	C307	-337.46	2.50	-22.49	1.28	-8.66	1.54
	C308	-336.13	2.32	-28.53	1.11	-11.10	1.41
	C309	-322.37	1.20	-84.49	-0.61	-33.75	-0.87
	C310	-321.33	0.79	-83.57	-0.58	-33.38	-1.07
	C311	-178.37	-1.72	-47.99	-0.52	-19.16	-2.80
	C312	-177.32	-2.13	-47.07	-0.49	-18.79	-2.99
	C313	-378.00	1.54	-88.15	-0.09	-35.22	2.19
	C314	-376.96	1.13	-87.22	-0.06	-34.85	1.99
	C315	-241.71	-1.41	-55.39	-0.12	-22.13	-0.44
	C316	-240.67	-1.82	-54.47	-0.09	-21.76	-0.64

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2485

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
170- 178	170	DUM	C101	-448.57	-19.17	-104.99	-2.85	41.55	1.57
			C102	-450.39	-20.37	-105.14	-3.14	41.57	1.63
			C103	-303.16	-16.03	-71.14	-2.14	28.14	1.01
			C104	-304.97	-17.23	-71.29	-2.43	28.15	1.08
			C105	-575.63	10.27	-144.34	4.12	58.33	0.37
			C106	-577.44	9.07	-144.49	3.83	58.35	0.44
			C107	-447.05	6.70	-112.40	3.25	45.44	0.21
			C108	-448.86	5.50	-112.55	2.96	45.45	0.28
			C109	-272.51	-2.13	-70.17	0.60	28.12	-0.62
			C110	-288.58	-2.59	-73.75	0.60	29.55	-0.49
			C111	-183.83	-2.94	-48.13	0.47	19.30	-0.62
			C112	-199.91	-3.39	-51.71	0.47	20.73	-0.49
			C113	-706.62	-7.56	-168.33	0.37	67.40	2.41
			C114	-722.69	-8.02	-171.91	0.37	68.83	2.54
			C115	-531.57	-7.17	-127.05	0.34	50.88	1.72
			C116	-547.65	-7.62	-130.63	0.34	52.32	1.85
			C201	-377.42	-23.28	-86.17	-4.08	33.84	1.69
			C202	-379.87	-24.91	-86.37	-4.47	33.86	1.77
			C203	-181.11	-19.05	-40.48	-3.12	15.73	0.94
			C204	-183.55	-20.67	-40.68	-3.50	15.75	1.03
			C205	-548.94	16.45	-139.29	5.34	56.50	0.08
			C206	-551.39	14.83	-139.49	4.95	56.52	0.17
			C207	-375.37	11.64	-96.17	4.15	39.08	-0.14
			C208	-377.81	10.02	-96.37	3.77	39.11	-0.05
			C209	-139.73	-0.29	-39.16	0.58	15.70	-1.26
			C210	-161.43	-0.90	-43.99	0.58	17.64	-1.09
			C211	-20.02	-1.38	-9.41	0.40	3.80	-1.26
			C212	-41.72	-1.99	-14.24	0.40	5.73	-1.08
			C213	-725.78	-7.62	-171.68	0.27	68.73	2.83
			C214	-747.48	-8.23	-176.51	0.27	70.66	3.01
			C215	-489.47	-7.08	-115.95	0.23	46.44	1.90
			C216	-511.17	-7.69	-120.78	0.23	48.37	2.08
			C301	-307.76	-22.49	-69.20	-4.15	27.05	1.56
			C302	-310.20	-24.12	-69.41	-4.54	27.07	1.64
			C303	-111.44	-18.26	-23.51	-3.19	8.93	0.81
			C304	-113.89	-19.88	-23.71	-3.57	8.96	0.90
			C305	-479.28	17.24	-122.32	5.26	49.70	-0.05
			C306	-481.73	15.62	-122.53	4.88	49.72	0.04
			C307	-305.70	12.43	-79.20	4.08	32.29	-0.27
			C308	-308.15	10.81	-79.40	3.70	32.31	-0.18
			C309	-70.06	0.50	-22.19	0.50	8.90	-1.39
			C310	-91.76	-0.11	-27.02	0.51	10.84	-1.22
			C311	49.65	-0.59	7.56	0.33	-3.00	-1.39
			C312	27.95	-1.20	2.73	0.33	-1.06	-1.21
			C313	-656.11	-6.83	-154.71	0.20	61.93	2.70
			C314	-677.81	-7.44	-159.54	0.20	63.87	2.88
			C315	-419.80	-6.29	-98.98	0.16	39.64	1.77
			C316	-441.50	-6.90	-103.81	0.16	41.58	1.95
	178		C101	-448.57	-19.17	-104.99	-2.85	-42.44	-13.77
			C102	-450.39	-20.37	-105.14	-3.14	-42.54	-14.67
			C103	-303.16	-16.03	-71.14	-2.14	-28.78	-11.81
			C104	-304.97	-17.23	-71.29	-2.43	-28.88	-12.71
			C105	-575.63	10.27	-144.34	4.12	-57.14	8.59
			C106	-577.44	9.07	-144.49	3.83	-57.24	7.69
			C107	-447.05	6.70	-112.40	3.25	-44.48	5.57
			C108	-448.86	5.50	-112.55	2.96	-44.58	4.68
			C109	-272.51	-2.13	-70.17	0.60	-28.02	-2.33
			C110	-288.58	-2.59	-73.75	0.60	-29.45	-2.56
			C111	-183.83	-2.94	-48.13	0.47	-19.20	-2.97
			C112	-199.91	-3.39	-51.71	0.47	-20.63	-3.20
			C113	-706.62	-7.56	-168.33	0.37	-67.27	-3.64
			C114	-722.69	-8.02	-171.91	0.37	-68.70	-3.87
			C115	-531.57	-7.17	-127.05	0.34	-50.76	-4.01
			C116	-547.65	-7.62	-130.63	0.34	-52.18	-4.24
			C201	-377.42	-23.28	-86.17	-4.08	-35.09	-16.94
			C202	-379.87	-24.91	-86.37	-4.47	-35.23	-18.15
			C203	-181.11	-19.05	-40.48	-3.12	-16.65	-14.30
			C204	-183.55	-20.67	-40.68	-3.50	-16.79	-15.51
			C205	-548.94	16.45	-139.29	5.34	-54.94	13.24
			C206	-551.39	14.83	-139.49	4.95	-55.08	12.03
			C207	-375.37	11.64	-96.17	4.15	-37.85	9.17
			C208	-377.81	10.02	-96.37	3.77	-37.99	7.96
			C209	-139.73	-0.29	-39.16	0.58	-15.63	-1.49
			C210	-161.43	-0.90	-43.99	0.58	-17.56	-1.81
			C211	-20.02	-1.38	-9.41	0.40	-3.73	-2.36
			C212	-41.72	-1.99	-14.24	0.40	-5.65	-2.68
			C213	-725.78	-7.62	-171.68	0.27	-68.62	-3.26

		C214	-747.48	-8.23	-176.51	0.27	-70.55	-3.58
		C215	-489.47	-7.08	-115.95	0.23	-46.32	-3.76
		C216	-511.17	-7.69	-120.78	0.23	-48.25	-4.08
		C301	-307.76	-22.49	-69.20	-4.15	-28.32	-16.44
		C302	-310.20	-24.12	-69.41	-4.54	-28.46	-17.65
		C303	-111.44	-18.26	-23.51	-3.19	-9.87	-13.79
		C304	-113.89	-19.88	-23.71	-3.57	-10.01	-15.00
		C305	-479.28	17.24	-122.32	5.26	-48.16	13.75
		C306	-481.73	15.62	-122.53	4.88	-48.30	12.53
		C307	-305.70	12.43	-79.20	4.08	-31.07	9.68
		C308	-308.15	10.81	-79.40	3.70	-31.21	8.47
		C309	-70.06	0.50	-22.19	0.50	-8.85	-0.99
		C310	-91.76	-0.11	-27.02	0.51	-10.78	-1.30
		C311	49.65	-0.59	7.56	0.33	3.05	-1.86
		C312	27.95	-1.20	2.73	0.33	1.12	-2.17
		C313	-656.11	-6.83	-154.71	0.20	-61.84	-2.76
		C314	-677.81	-7.44	-159.54	0.20	-63.77	-3.07
		C315	-419.80	-6.29	-98.98	0.16	-39.54	-3.26
		C316	-441.50	-6.90	-103.81	0.16	-41.47	-3.57

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2486

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
171- 175	171	DUM	C101	-509.32	-3.01	-69.59	-1.07	27.78	-0.03
			C102	-497.59	-3.48	-75.76	-1.17	30.25	-0.02
			C103	-399.05	-8.24	-50.51	-0.76	20.17	0.10
			C104	-387.32	-8.71	-56.69	-0.86	22.63	0.11
			C105	-996.85	14.45	72.02	1.23	-28.76	-0.44
			C106	-985.12	13.98	65.85	1.13	-26.29	-0.43
			C107	-823.93	7.21	57.63	0.99	-23.01	-0.26
			C108	-812.20	6.74	51.45	0.90	-20.55	-0.25
			C109	-825.46	-21.74	1.38	0.08	-0.55	0.67
			C110	-815.89	-19.94	1.48	0.08	-0.59	0.60
			C111	-655.60	-21.75	2.69	0.10	-1.08	0.62
			C112	-646.02	-19.95	2.80	0.10	-1.12	0.56
			C113	-646.70	29.51	-4.70	-0.02	1.87	-1.03
			C114	-637.12	31.31	-4.60	-0.01	1.83	-1.09
			C115	-543.99	17.52	-1.50	0.04	0.60	-0.68
			C116	-534.42	19.31	-1.40	0.04	0.56	-0.74
			C201	-342.43	-5.45	-93.52	-1.47	37.34	0.04
			C202	-326.60	-6.09	-101.85	-1.60	40.67	0.05
			C203	-193.57	-12.50	-67.77	-1.05	27.06	0.22
			C204	-177.73	-13.14	-76.10	-1.18	30.39	0.24
			C205	-1000.61	18.13	97.65	1.64	-38.99	-0.51
			C206	-984.77	17.49	89.32	1.50	-35.66	-0.50
			C207	-767.16	8.35	78.22	1.32	-31.23	-0.27
			C208	-751.33	7.71	69.89	1.19	-27.91	-0.25
			C209	-769.23	-30.73	2.29	0.09	-0.92	0.98
			C210	-756.31	-28.30	2.43	0.09	-0.97	0.89
			C211	-539.91	-30.75	4.06	0.11	-1.62	0.92
			C212	-526.99	-28.32	4.20	0.12	-1.68	0.83
			C213	-527.90	38.45	-5.92	-0.04	2.36	-1.30
			C214	-514.97	40.88	-5.78	-0.04	2.31	-1.39
			C215	-389.24	22.26	-1.61	0.02	0.64	-0.83
			C216	-376.32	24.69	-1.47	0.03	0.59	-0.92
			C301	-237.05	-5.87	-93.39	-1.48	37.29	0.06
			C302	-221.21	-6.51	-101.72	-1.61	40.62	0.08
			C303	-88.18	-12.93	-67.64	-1.06	27.01	0.24
			C304	-72.35	-13.56	-75.98	-1.19	30.33	0.26
			C305	-895.22	17.71	97.78	1.63	-39.04	-0.49
			C306	-879.38	17.07	89.45	1.50	-35.71	-0.47
			C307	-661.78	7.92	78.35	1.31	-31.29	-0.24
			C308	-645.94	7.29	70.02	1.18	-27.96	-0.23
			C309	-663.84	-31.15	2.42	0.08	-0.97	1.01
			C310	-650.92	-28.72	2.56	0.08	-1.02	0.92
			C311	-434.53	-31.17	4.19	0.11	-1.68	0.95
			C312	-421.60	-28.74	4.33	0.11	-1.73	0.85
			C313	-422.51	38.03	-5.79	-0.05	2.31	-1.28
			C314	-409.58	40.46	-5.65	-0.05	2.26	-1.37
			C315	-283.86	21.84	-1.48	0.02	0.59	-0.81
			C316	-270.93	24.27	-1.34	0.02	0.53	-0.90
	175		C101	-509.32	-3.01	-69.59	-1.07	-27.89	-2.44
			C102	-497.59	-3.48	-75.76	-1.17	-30.36	-2.81
			C103	-399.05	-8.24	-50.51	-0.76	-20.24	-6.49
			C104	-387.32	-8.71	-56.69	-0.86	-22.72	-6.85
			C105	-996.85	14.45	72.02	1.23	28.86	11.13
			C106	-985.12	13.98	65.85	1.13	26.38	10.76
			C107	-823.93	7.21	57.63	0.99	23.09	5.51
			C108	-812.20	6.74	51.45	0.90	20.62	5.14

C109	-825.46	-21.74	1.38	0.08	0.55	-16.72
C110	-815.89	-19.94	1.48	0.08	0.59	-15.35
C111	-655.60	-21.75	2.69	0.10	1.08	-16.78
C112	-646.02	-19.95	2.80	0.10	1.12	-15.41
C113	-646.70	29.51	-4.70	-0.02	-1.88	22.58
C114	-637.12	31.31	-4.60	-0.01	-1.84	23.95
C115	-543.99	17.52	-1.50	0.04	-0.60	13.34
C116	-534.42	19.31	-1.40	0.04	-0.56	14.71
C201	-342.43	-5.45	-93.52	-1.47	-37.48	-4.32
C202	-326.60	-6.09	-101.85	-1.60	-40.82	-4.82
C203	-193.57	-12.50	-67.77	-1.05	-27.16	-9.78
C204	-177.73	-13.14	-76.10	-1.18	-30.50	-10.28
C205	-1000.61	18.13	97.65	1.64	39.13	13.99
C206	-984.77	17.49	89.32	1.50	35.79	13.50
C207	-767.16	8.35	78.22	1.32	31.34	6.41
C208	-751.33	7.71	69.89	1.19	28.00	5.91
C209	-769.23	-30.73	2.29	0.09	0.92	-23.60
C210	-756.31	-28.30	2.43	0.09	0.97	-21.75
C211	-539.91	-30.75	4.06	0.11	1.63	-23.68
C212	-526.99	-28.32	4.20	0.12	1.68	-21.83
C213	-527.90	38.45	-5.92	-0.04	-2.37	29.46
C214	-514.97	40.88	-5.78	-0.04	-2.32	31.31
C215	-389.24	22.26	-1.61	0.02	-0.64	16.98
C216	-376.32	24.69	-1.47	0.03	-0.59	18.83
C301	-237.05	-5.87	-93.39	-1.48	-37.42	-4.64
C302	-221.21	-6.51	-101.72	-1.61	-40.76	-5.13
C303	-88.18	-12.93	-67.64	-1.06	-27.11	-10.10
C304	-72.35	-13.56	-75.98	-1.19	-30.45	-10.59
C305	-895.22	17.71	97.78	1.63	39.18	13.68
C306	-879.38	17.07	89.45	1.50	35.84	13.19
C307	-661.78	7.92	78.35	1.31	31.40	6.09
C308	-645.94	7.29	70.02	1.18	28.06	5.60
C309	-663.84	-31.15	2.42	0.08	0.97	-23.91
C310	-650.92	-28.72	2.56	0.08	1.02	-22.06
C311	-434.53	-31.17	4.19	0.11	1.68	-23.99
C312	-421.60	-28.74	4.33	0.11	1.73	-22.14
C313	-422.51	38.03	-5.79	-0.05	-2.32	29.14
C314	-409.58	40.46	-5.65	-0.05	-2.27	31.00
C315	-283.86	21.84	-1.48	0.02	-0.59	16.66
C316	-270.93	24.27	-1.34	0.02	-0.54	18.52

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2487

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
172- 176	172	DUM	C101	-491.06	-7.39	-20.17	3.43	7.26	0.16
			C102	-474.72	-7.78	-22.03	3.73	7.94	0.17
			C103	-325.11	-11.84	-14.62	2.49	5.26	0.29
			C104	-308.78	-12.23	-16.49	2.79	5.94	0.30
			C105	-1135.00	6.37	21.16	-3.53	-7.61	-0.16
			C106	-1118.66	5.98	19.29	-3.23	-6.94	-0.15
			C107	-889.84	0.38	17.03	-2.82	-6.13	-0.01
			C108	-873.50	-0.00	15.16	-2.52	-5.45	0.00
			C109	-474.00	-30.07	0.55	-0.06	-0.19	1.12
			C110	-496.16	-28.08	0.58	-0.06	-0.21	1.04
			C111	-332.91	-28.48	0.94	-0.12	-0.34	1.01
			C112	-355.08	-26.49	0.97	-0.13	-0.35	0.92
			C113	-1067.32	25.50	-1.29	0.23	0.47	-1.00
			C114	-1089.48	27.48	-1.26	0.23	0.46	-1.08
			C115	-812.72	13.86	-0.33	0.08	0.12	-0.61
			C116	-834.88	15.85	-0.30	0.08	0.11	-0.69
			C201	-302.90	-8.47	-27.16	4.61	9.78	0.18
			C202	-280.85	-8.99	-29.68	5.01	10.69	0.20
			C203	-78.87	-14.48	-19.67	3.34	7.08	0.35
			C204	-56.82	-15.00	-22.19	3.74	8.00	0.37
			C205	-1172.22	10.11	28.63	-4.79	-10.30	-0.26
			C206	-1150.16	9.59	26.11	-4.39	-9.39	-0.24
			C207	-841.25	2.03	23.05	-3.83	-8.30	-0.04
			C208	-819.20	1.51	20.53	-3.42	-7.39	-0.03
			C209	-279.87	-39.08	0.80	-0.10	-0.29	1.48
			C210	-309.79	-36.39	0.84	-0.11	-0.30	1.37
			C211	-89.41	-36.94	1.34	-0.19	-0.48	1.33
			C212	-119.32	-34.25	1.38	-0.19	-0.50	1.21
			C213	-1080.85	35.93	-1.68	0.29	0.61	-1.38
			C214	-1110.77	38.61	-1.64	0.28	0.60	-1.50
			C215	-737.14	20.23	-0.38	0.08	0.14	-0.86
			C216	-767.06	22.91	-0.34	0.08	0.12	-0.97
			C301	-192.97	-8.01	-27.14	4.60	9.77	0.17
			C302	-170.91	-8.53	-29.66	5.00	10.68	0.19
			C303	31.06	-14.02	-19.65	3.33	7.07	0.34

		C304	53.11	-14.54	-22.17	3.73	7.99	0.36
		C305	-1062.28	10.57	28.65	-4.80	-10.31	-0.27
		C306	-1040.23	10.05	26.12	-4.40	-9.40	-0.25
		C307	-731.32	2.49	23.07	-3.83	-8.31	-0.05
		C308	-709.27	1.97	20.55	-3.43	-7.39	-0.04
		C309	-169.94	-38.62	0.82	-0.11	-0.29	1.47
		C310	-199.86	-35.93	0.86	-0.12	-0.31	1.36
		C311	20.53	-36.48	1.36	-0.20	-0.49	1.32
		C312	-9.39	-33.79	1.40	-0.20	-0.50	1.20
		C313	-970.92	36.39	-1.66	0.28	0.60	-1.39
		C314	-1000.84	39.08	-1.62	0.28	0.59	-1.51
		C315	-627.21	20.69	-0.36	0.08	0.13	-0.87
		C316	-657.13	23.37	-0.32	0.07	0.12	-0.98
	176	C101	-491.06	-7.39	-20.17	3.43	-8.87	-5.75
		C102	-474.72	-7.78	-22.03	3.73	-9.69	-6.05
		C103	-325.11	-11.84	-14.62	2.49	-6.43	-9.19
		C104	-308.78	-12.23	-16.49	2.79	-7.25	-9.49
		C105	-1135.00	6.37	21.16	-3.53	9.31	4.93
		C106	-1118.66	5.98	19.29	-3.23	8.50	4.63
		C107	-889.84	0.38	17.03	-2.82	7.49	0.30
		C108	-873.50	-0.00	15.16	-2.52	6.67	0.00
		C109	-474.00	-30.07	0.55	-0.06	0.24	-22.93
		C110	-496.16	-28.08	0.58	-0.06	0.26	-21.43
		C111	-332.91	-28.48	0.94	-0.12	0.42	-21.78
		C112	-355.08	-26.49	0.97	-0.13	0.43	-20.27
		C113	-1067.32	25.50	-1.29	0.23	-0.56	19.40
		C114	-1089.48	27.48	-1.26	0.23	-0.55	20.90
		C115	-812.72	13.86	-0.33	0.08	-0.14	10.48
		C116	-834.88	15.85	-0.30	0.08	-0.13	11.99
		C201	-302.90	-8.47	-27.16	4.61	-11.95	-6.59
		C202	-280.85	-8.99	-29.68	5.01	-13.06	-6.99
		C203	-78.87	-14.48	-19.67	3.34	-8.65	-11.23
		C204	-56.82	-15.00	-22.19	3.74	-9.76	-11.63
		C205	-1172.22	10.11	28.63	-4.79	12.60	7.83
		C206	-1150.16	9.59	26.11	-4.39	11.50	7.43
		C207	-841.25	2.03	23.05	-3.83	10.14	1.58
		C208	-819.20	1.51	20.53	-3.42	9.04	1.18
		C209	-279.87	-39.08	0.80	-0.10	0.35	-29.78
		C210	-309.79	-36.39	0.84	-0.11	0.37	-27.75
		C211	-89.41	-36.94	1.34	-0.19	0.59	-28.23
		C212	-119.32	-34.25	1.38	-0.19	0.61	-26.19
		C213	-1080.85	35.93	-1.68	0.29	-0.73	27.36
		C214	-1110.77	38.61	-1.64	0.28	-0.72	29.40
		C215	-737.14	20.23	-0.38	0.08	-0.16	15.33
		C216	-767.06	22.91	-0.34	0.08	-0.14	17.36
		C301	-192.97	-8.01	-27.14	4.60	-11.94	-6.23
		C302	-170.91	-8.53	-29.66	5.00	-13.05	-6.63
		C303	31.06	-14.02	-19.65	3.33	-8.65	-10.87
		C304	53.11	-14.54	-22.17	3.73	-9.75	-11.27
		C305	-1062.28	10.57	28.65	-4.80	12.61	8.19
		C306	-1040.23	10.05	26.12	-4.40	11.50	7.79
		C307	-731.32	2.49	23.07	-3.83	10.15	1.94
		C308	-709.27	1.97	20.55	-3.43	9.04	1.54
		C309	-169.94	-38.62	0.82	-0.11	0.36	-29.42
		C310	-199.86	-35.93	0.86	-0.12	0.38	-27.39
		C311	20.53	-36.48	1.36	-0.20	0.60	-27.87
		C312	-9.39	-33.79	1.40	-0.20	0.62	-25.83
		C313	-970.92	36.39	-1.66	0.28	-0.73	27.72
		C314	-1000.84	39.08	-1.62	0.28	-0.71	29.75
		C315	-627.21	20.69	-0.36	0.08	-0.15	15.68
		C316	-657.13	23.37	-0.32	0.07	-0.14	17.72

				********** KN **********			********** KN-M **********	
MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X)	FORCE(Y)	FORCE(Z)	MOMENT(X)	MOMENT(Y)	MOMENT(Z)
189- 197	189	DUM	C101	-936.68	97.70	-42.73	4.50	50.09	-59.00
			C102	-943.92	99.25	-47.00	4.85	55.07	-59.94
			C103	-728.12	74.52	-33.24	3.51	38.98	-45.01
			C104	-735.35	76.06	-37.52	3.86	43.96	-45.94
			C105	-760.17	59.97	59.27	-3.61	-68.67	-36.21
			C106	-767.40	61.51	54.99	-3.26	-63.69	-37.15
			C107	-585.51	44.78	44.93	-2.72	-52.06	-27.05
			C108	-592.74	46.33	40.65	-2.37	-47.08	-27.98
			C109	-698.65	70.03	0.62	0.41	-0.37	-42.19
			C110	-706.79	70.13	1.34	0.39	-1.21	-42.25
			C111	-531.05	52.04	-0.82	0.42	1.22	-31.36
			C112	-539.19	52.14	-0.10	0.41	0.38	-31.42
			C113	-954.20	84.77	10.38	0.84	-11.77	-51.29
			C114	-962.33	84.87	11.10	0.82	-12.61	-51.36
			C115	-752.94	65.83	7.15	0.73	-8.07	-39.83
			C116	-761.07	65.93	7.87	0.71	-8.91	-39.90
			C201	-877.64	96.03	-60.23	5.77	70.44	-58.00
			C202	-887.40	98.12	-66.00	6.24	77.17	-59.26

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C203	-596.07	64.74	-47.43	4.44	55.44	-39.10
	C204	-605.84	66.82	-53.20	4.91	62.16	-40.36
	C205	-639.34	45.09	77.46	-5.17	-89.89	-27.23
	C206	-649.11	47.18	71.69	-4.70	-83.17	-28.49
	C207	-403.55	24.59	58.10	-3.98	-67.46	-14.86
	C208	-413.32	26.68	52.33	-3.50	-60.74	-16.12
	C209	-556.29	58.67	-1.72	0.25	2.32	-35.29
	C210	-567.27	58.81	-0.75	0.23	1.19	-35.38
	C211	-330.03	34.39	-3.66	0.27	4.46	-20.67
	C212	-341.01	34.53	-2.69	0.25	3.33	-20.76
	C213	-901.28	78.58	11.47	0.83	-13.08	-47.58
	C214	-912.26	78.71	12.43	0.81	-14.21	-47.67
	C215	-629.58	53.01	7.10	0.68	-8.07	-32.12
	C216	-640.56	53.14	8.07	0.66	-9.21	-32.21
	C301	-759.50	85.08	-61.01	5.68	71.30	-51.38
	C302	-769.27	87.17	-66.78	6.15	78.03	-52.64
	C303	-477.94	53.79	-48.21	4.35	56.30	-32.49
	C304	-487.70	55.87	-53.98	4.82	63.02	-33.75
	C305	-521.21	34.14	76.68	-5.27	-89.03	-20.61
	C306	-530.98	36.23	70.91	-4.79	-82.31	-21.87
	C307	-285.42	13.64	57.32	-4.07	-66.60	-8.25
	C308	-295.19	15.73	51.55	-3.59	-59.88	-9.51
	C309	-438.16	47.72	-2.50	0.16	3.18	-28.68
	C310	-449.14	47.86	-1.53	0.14	2.05	-28.77
	C311	-211.90	23.44	-4.44	0.18	5.32	-14.06
	C312	-222.88	23.58	-3.47	0.16	4.19	-14.15
	C313	-783.15	67.63	10.69	0.73	-12.21	-40.97
	C314	-794.13	67.76	11.66	0.71	-13.35	-41.06
	C315	-511.45	42.06	6.32	0.59	-7.21	-25.50
	C316	-522.43	42.19	7.29	0.57	-8.35	-25.59
197	C101	-936.68	97.70	-42.73	4.50	-1.18	58.24
	C102	-943.92	99.25	-47.00	4.85	-1.33	59.16
	C103	-728.12	74.52	-33.24	3.51	-0.91	44.41
	C104	-735.35	76.06	-37.52	3.86	-1.07	45.33
	C105	-760.17	59.97	59.27	-3.61	2.45	35.75
	C106	-767.40	61.51	54.99	-3.26	2.30	36.67
	C107	-585.51	44.78	44.93	-2.72	1.86	26.69
	C108	-592.74	46.33	40.65	-2.37	1.71	27.61
	C109	-698.65	70.03	0.62	0.41	0.37	41.85
	C110	-706.79	70.13	1.34	0.39	0.39	41.90
	C111	-531.05	52.04	-0.82	0.42	0.24	31.09
	C112	-539.19	52.14	-0.10	0.41	0.26	31.14
	C113	-954.20	84.77	10.38	0.84	0.69	50.44
	C114	-962.33	84.87	11.10	0.82	0.71	50.49
	C115	-752.94	65.83	7.15	0.73	0.51	39.16
	C116	-761.07	65.93	7.87	0.71	0.53	39.21
	C201	-877.64	96.03	-60.23	5.77	-1.83	57.25
	C202	-887.40	98.12	-66.00	6.24	-2.04	58.49
	C203	-596.07	64.74	-47.43	4.44	-1.48	38.58
	C204	-605.84	66.82	-53.20	4.91	-1.68	39.82
	C205	-639.34	45.09	77.46	-5.17	3.06	26.88
	C206	-649.11	47.18	71.69	-4.70	2.85	28.13
	C207	-403.55	24.59	58.10	-3.98	2.27	14.65
	C208	-413.32	26.68	52.33	-3.50	2.06	15.90
	C209	-556.29	58.67	-1.72	0.25	0.26	35.12
	C210	-567.27	58.81	-0.75	0.23	0.29	35.18
	C211	-330.03	34.39	-3.66	0.27	0.08	20.60
	C212	-341.01	34.53	-2.69	0.25	0.11	20.67
	C213	-901.28	78.58	11.47	0.83	0.68	46.71
	C214	-912.26	78.71	12.43	0.81	0.71	46.78
	C215	-629.58	53.01	7.10	0.68	0.44	31.49
	C216	-640.56	53.14	8.07	0.66	0.47	31.56
	C301	-759.50	85.08	-61.01	5.68	-1.91	50.72
	C302	-769.27	87.17	-66.78	6.15	-2.11	51.96
	C303	-477.94	53.79	-48.21	4.35	-1.55	32.05
	C304	-487.70	55.87	-53.98	4.82	-1.76	33.30
	C305	-521.21	34.14	76.68	-5.27	2.98	20.36
	C306	-530.98	36.23	70.91	-4.79	2.78	21.60
	C307	-285.42	13.64	57.32	-4.07	2.19	8.13
	C308	-295.19	15.73	51.55	-3.59	1.99	9.37
	C309	-438.16	47.72	-2.50	0.16	0.18	28.59
	C310	-449.14	47.86	-1.53	0.14	0.21	28.66
	C311	-211.90	23.44	-4.44	0.18	0.00	14.07
	C312	-222.88	23.58	-3.47	0.16	0.03	14.14
	C313	-783.15	67.63	10.69	0.73	0.61	40.18
	C314	-794.13	67.76	11.66	0.71	0.64	40.25
	C315	-511.45	42.06	6.32	0.59	0.37	24.97
	C316	-522.43	42.19	7.29	0.57	0.40	25.03

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2495

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
190- 198	190	DUM	C101	-942.66	-80.16	-25.73	-4.28	30.43	48.42
			C102	-949.38	-80.02	-28.27	-4.59	33.39	48.33
			C103	-718.41	-62.37	-20.03	-3.36	23.66	37.68
			C104	-725.13	-62.23	-22.57	-3.68	26.62	37.59
			C105	-791.42	-84.89	35.15	3.11	-40.69	51.23
			C106	-798.14	-84.75	32.62	2.79	-37.73	51.15
			C107	-595.42	-65.44	26.62	2.32	-30.84	39.50
			C108	-602.14	-65.29	24.08	2.00	-27.87	39.41
			C109	-574.65	-49.77	0.08	-1.32	0.07	30.17
			C110	-596.33	-52.47	0.54	-1.25	-0.45	31.79
			C111	-419.53	-37.39	-0.75	-1.12	0.96	22.68
			C112	-441.21	-40.09	-0.29	-1.05	0.44	24.30
			C113	-1097.20	-108.25	6.03	-0.22	-6.50	65.24
			C114	-1118.89	-110.95	6.49	-0.16	-7.02	66.86
			C115	-847.82	-84.78	4.12	-0.30	-4.42	51.11
			C116	-869.51	-87.48	4.58	-0.23	-4.94	52.73
			C201	-880.55	-70.80	-36.16	-5.41	42.58	42.77
			C202	-889.63	-70.60	-39.58	-5.84	46.58	42.65
			C203	-577.81	-46.78	-28.46	-4.18	33.44	28.27
			C204	-586.89	-46.58	-31.88	-4.61	37.44	28.16
			C205	-676.38	-77.18	46.03	4.56	-53.44	46.57
			C206	-685.45	-76.99	42.61	4.13	-49.44	46.45
			C207	-411.78	-50.92	34.51	3.49	-40.13	30.73
			C208	-420.85	-50.73	31.09	3.07	-36.13	30.62
			C209	-383.74	-29.76	-1.32	-1.42	1.59	18.13
			C210	-413.01	-33.41	-0.70	-1.33	0.89	20.32
			C211	-174.33	-13.05	-2.43	-1.15	2.79	8.02
			C212	-203.60	-16.70	-1.81	-1.06	2.09	10.21
			C213	-1089.19	-108.71	6.72	0.06	-7.28	65.48
			C214	-1118.46	-112.36	7.34	0.15	-7.98	67.67
			C215	-752.52	-77.03	4.15	-0.04	-4.47	46.40
			C216	-781.80	-80.68	4.77	0.05	-5.18	48.59
			C301	-760.85	-59.37	-36.59	-5.30	43.03	35.87
			C302	-769.92	-59.18	-40.02	-5.73	47.03	35.75
			C303	-458.10	-35.35	-28.89	-4.07	33.89	21.37
			C304	-467.18	-35.16	-32.32	-4.50	37.90	21.26
			C305	-556.67	-65.75	45.60	4.67	-52.98	39.67
			C306	-565.75	-65.56	42.18	4.24	-48.98	39.55
			C307	-292.07	-39.49	34.08	3.60	-39.67	23.83
			C308	-301.15	-39.30	30.65	3.18	-35.67	23.72
			C309	-264.03	-18.34	-1.75	-1.31	2.05	11.23
			C310	-293.30	-21.99	-1.13	-1.22	1.34	13.42
			C311	-54.62	-1.63	-2.86	-1.04	3.25	1.12
			C312	-83.89	-5.27	-2.24	-0.95	2.55	3.31
			C313	-969.48	-97.29	6.28	0.17	-6.82	58.58
			C314	-998.75	-100.94	6.90	0.26	-7.53	60.77
			C315	-632.82	-65.61	3.71	0.07	-4.02	39.51
			C316	-662.09	-69.25	4.33	0.16	-4.72	41.69
	198		C101	-942.66	-80.16	-25.73	-4.28	-0.45	-47.78
			C102	-949.38	-80.02	-28.27	-4.59	-0.53	-47.69
			C103	-718.41	-62.37	-20.03	-3.36	-0.38	-37.17
			C104	-725.13	-62.23	-22.57	-3.68	-0.46	-37.08
			C105	-791.42	-84.89	35.15	3.11	1.49	-50.64
			C106	-798.14	-84.75	32.62	2.79	1.41	-50.55
			C107	-595.42	-65.44	26.62	2.32	1.10	-39.02
			C108	-602.14	-65.29	24.08	2.00	1.02	-38.94
			C109	-574.65	-49.77	0.08	-1.32	0.16	-29.55
			C110	-596.33	-52.47	0.54	-1.25	0.19	-31.17
			C111	-419.53	-37.39	-0.75	-1.12	0.07	-22.19
			C112	-441.21	-40.09	-0.29	-1.05	0.10	-23.81
			C113	-1097.20	-108.25	6.03	-0.22	0.73	-64.65
			C114	-1118.89	-110.95	6.49	-0.16	0.76	-66.28
			C115	-847.82	-84.78	4.12	-0.30	0.53	-50.63
			C116	-869.51	-87.48	4.58	-0.23	0.56	-52.25
			C201	-880.55	-70.80	-36.16	-5.41	-0.82	-42.19
			C202	-889.63	-70.60	-39.58	-5.84	-0.92	-42.07
			C203	-577.81	-46.78	-28.46	-4.18	-0.72	-27.86
			C204	-586.89	-46.58	-31.88	-4.61	-0.82	-27.75
			C205	-676.38	-77.18	46.03	4.56	1.80	-46.05
			C206	-685.45	-76.99	42.61	4.13	1.69	-45.93
			C207	-411.78	-50.92	34.51	3.49	1.28	-30.37
			C208	-420.85	-50.73	31.09	3.07	1.17	-30.26
			C209	-383.74	-29.76	-1.32	-1.42	0.01	-17.58
			C210	-413.01	-33.41	-0.70	-1.33	0.05	-19.77
			C211	-174.33	-13.05	-2.43	-1.15	-0.12	-7.65
			C212	-203.60	-16.70	-1.81	-1.06	-0.08	-9.84
			C213	-1089.19	-108.71	6.72	0.06	0.78	-64.97

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

C214	-1118.46	-112.36	7.34	0.15	0.82	-67.16
C215	-752.52	-77.03	4.15	-0.04	0.50	-46.03
C216	-781.80	-80.68	4.77	0.05	0.55	-48.22
C301	-760.85	-59.37	-36.59	-5.30	-0.88	-35.38
C302	-769.92	-59.18	-40.02	-5.73	-0.99	-35.26
C303	-458.10	-35.35	-28.89	-4.07	-0.78	-21.05
C304	-467.18	-35.16	-32.32	-4.50	-0.89	-20.93
C305	-556.67	-65.75	45.60	4.67	1.74	-39.23
C306	-565.75	-65.56	42.18	4.24	1.63	-39.12
C307	-292.07	-39.49	34.08	3.60	1.22	-23.56
C308	-301.15	-39.30	30.65	3.18	1.11	-23.44
C309	-264.03	-18.34	-1.75	-1.31	-0.05	-10.77
C310	-293.30	-21.99	-1.13	-1.22	-0.01	-12.96
C311	-54.62	-1.63	-2.86	-1.04	-0.18	-0.83
C312	-83.89	-5.27	-2.24	-0.95	-0.14	-3.02
C313	-969.48	-97.29	6.28	0.17	0.71	-58.16
C314	-998.75	-100.94	6.90	0.26	0.76	-60.35
C315	-632.82	-65.61	3.71	0.07	0.44	-39.22
C316	-662.09	-69.25	4.33	0.16	0.48	-41.41

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2496

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
191- 199	191	DUM	C101	-1112.82	96.32	-49.44	2.41	57.10	-58.12
			C102	-1136.83	98.00	-53.86	2.73	62.22	-59.13
			C103	-865.21	72.89	-38.00	1.84	43.88	-43.98
			C104	-889.21	74.57	-42.41	2.16	49.01	-45.00
			C105	-545.08	55.83	55.76	-5.11	-65.08	-33.74
			C106	-569.09	57.52	51.35	-4.79	-59.95	-34.76
			C107	-421.96	41.00	42.70	-3.94	-49.84	-24.78
			C108	-445.97	42.68	38.29	-3.62	-44.71	-25.80
			C109	-706.05	67.49	-3.11	-0.24	3.28	-40.64
			C110	-711.52	67.57	-2.45	-0.33	2.51	-40.69
			C111	-541.38	49.53	-3.19	-0.14	3.45	-29.82
			C112	-546.84	49.61	-2.52	-0.23	2.68	-29.88
			C113	-928.69	81.96	4.17	-1.98	-5.14	-49.59
			C114	-934.15	82.04	4.83	-2.08	-5.91	-49.64
			C115	-736.53	63.10	2.69	-1.51	-3.36	-38.17
			C116	-742.00	63.17	3.36	-1.60	-4.13	-38.23
			C201	-1119.63	95.51	-67.05	3.79	77.58	-57.62
			C202	-1152.04	97.79	-73.01	4.22	84.50	-58.99
			C203	-785.35	63.88	-51.60	3.01	59.74	-38.54
			C204	-817.76	66.15	-57.56	3.45	66.65	-39.91
			C205	-353.17	40.85	74.97	-6.37	-87.36	-24.71
			C206	-385.58	43.13	69.02	-5.93	-80.44	-26.08
			C207	-186.97	20.83	57.34	-4.78	-66.79	-12.62
			C208	-219.38	23.10	51.39	-4.35	-59.87	-13.99
			C209	-570.49	56.59	-4.50	0.21	4.93	-34.02
			C210	-577.87	56.70	-3.60	0.09	3.89	-34.10
			C211	-348.18	32.35	-4.61	0.35	5.16	-19.42
			C212	-355.55	32.45	-3.71	0.23	4.11	-19.49
			C213	-871.05	76.13	5.32	-2.15	-6.44	-46.10
			C214	-878.42	76.23	6.22	-2.27	-7.48	-46.17
			C215	-611.64	50.66	3.33	-1.50	-4.04	-30.69
			C216	-619.01	50.76	4.23	-1.63	-5.08	-30.76
			C301	-1002.78	84.97	-67.14	3.95	77.73	-51.26
			C302	-1035.19	87.25	-73.10	4.38	84.65	-52.63
			C303	-668.50	53.34	-51.69	3.17	59.89	-32.17
			C304	-700.91	55.61	-57.65	3.61	66.81	-33.54
			C305	-236.32	30.31	74.88	-6.20	-87.21	-18.35
			C306	-268.74	32.59	68.93	-5.77	-80.29	-19.72
			C307	-70.12	10.29	57.25	-4.62	-66.63	-6.25
			C308	-102.53	12.56	51.30	-4.19	-59.72	-7.62
			C309	-453.64	46.05	-4.59	0.38	5.08	-27.66
			C310	-461.02	46.16	-3.69	0.25	4.04	-27.73
			C311	-231.33	21.80	-4.70	0.51	5.31	-13.06
			C312	-238.70	21.91	-3.80	0.39	4.26	-13.13
			C313	-754.20	65.59	5.23	-1.98	-6.29	-39.73
			C314	-761.57	65.69	6.13	-2.11	-7.33	-39.81
			C315	-494.79	40.12	3.24	-1.34	-3.89	-24.33
			C316	-502.16	40.22	4.14	-1.47	-4.93	-24.40
	199		C101	-1112.82	96.32	-49.44	2.41	-2.23	57.46
			C102	-1136.83	98.00	-53.86	2.73	-2.40	58.47
			C103	-865.21	72.89	-38.00	1.84	-1.72	43.48
			C104	-889.21	74.57	-42.41	2.16	-1.89	44.49
			C105	-545.08	55.83	55.76	-5.11	1.83	33.25
			C106	-569.09	57.52	51.35	-4.79	1.66	34.26
			C107	-421.96	41.00	42.70	-3.94	1.40	24.42
			C108	-445.97	42.68	38.29	-3.62	1.23	25.42

C109	-706.05	67.49	-3.11	-0.24	-0.45	40.35
C110	-711.52	67.57	-2.45	-0.33	-0.42	40.39
C111	-541.38	49.53	-3.19	-0.14	-0.38	29.61
C112	-546.84	49.61	-2.52	-0.23	-0.35	29.65
C113	-928.69	81.96	4.17	-1.98	-0.14	48.77
C114	-934.15	82.04	4.83	-2.08	-0.11	48.81
C115	-736.53	63.10	2.69	-1.51	-0.13	37.55
C116	-742.00	63.17	3.36	-1.60	-0.11	37.58
C201	-1119.63	95.51	-67.05	3.79	-2.88	56.99
C202	-1152.04	97.79	-73.01	4.22	-3.11	58.35
C203	-785.35	63.88	-51.60	3.01	-2.19	38.12
C204	-817.76	66.15	-57.56	3.45	-2.41	39.48
C205	-353.17	40.85	74.97	-6.37	2.61	24.31
C206	-385.58	43.13	69.02	-5.93	2.38	25.67
C207	-186.97	20.83	57.34	-4.78	2.03	12.38
C208	-219.38	23.10	51.39	-4.35	1.80	13.74
C209	-570.49	56.59	-4.50	0.21	-0.48	33.89
C210	-577.87	56.70	-3.60	0.09	-0.44	33.94
C211	-348.18	32.35	-4.61	0.35	-0.37	19.39
C212	-355.55	32.45	-3.71	0.23	-0.33	19.44
C213	-871.05	76.13	5.32	-2.15	-0.05	45.26
C214	-878.42	76.23	6.22	-2.27	-0.01	45.31
C215	-611.64	50.66	3.33	-1.50	-0.05	30.10
C216	-619.01	50.76	4.23	-1.63	-0.01	30.15
C301	-1002.78	84.97	-67.14	3.95	-2.84	50.71
C302	-1035.19	87.25	-73.10	4.38	-3.07	52.07
C303	-668.50	53.34	-51.69	3.17	-2.14	31.84
C304	-700.91	55.61	-57.65	3.61	-2.37	33.19
C305	-236.32	30.31	74.88	-6.20	2.65	18.03
C306	-268.74	32.59	68.93	-5.77	2.42	19.39
C307	-70.12	10.29	57.25	-4.62	2.07	6.09
C308	-102.53	12.56	51.30	-4.19	1.84	7.45
C309	-453.64	46.05	-4.59	0.38	-0.44	27.61
C310	-461.02	46.16	-3.69	0.25	-0.40	27.66
C311	-231.33	21.80	-4.70	0.51	-0.33	13.11
C312	-238.70	21.91	-3.80	0.39	-0.29	13.16
C313	-754.20	65.59	5.23	-1.98	-0.01	38.97
C314	-761.57	65.69	6.13	-2.11	0.03	39.02
C315	-494.79	40.12	3.24	-1.34	-0.01	23.82
C316	-502.16	40.22	4.14	-1.47	0.03	23.87

SACS (2023) Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2497

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
192- 200	192	DUM	C101	-1158.75	-117.04	-32.20	-2.88	37.06	70.59
			C102	-1185.35	-120.06	-34.81	-3.16	40.09	72.40
			C103	-888.04	-91.82	-25.40	-2.40	29.26	55.37
			C104	-914.65	-94.84	-28.01	-2.69	32.29	57.19
			C105	-542.71	-47.62	30.36	3.70	-35.64	28.71
			C106	-569.32	-50.63	27.75	3.41	-32.61	30.53
			C107	-407.98	-37.95	22.56	2.65	-26.47	22.88
			C108	-434.58	-40.97	19.95	2.36	-23.44	24.70
			C109	-590.21	-54.64	-4.53	0.18	5.12	33.05
			C110	-608.72	-56.84	-4.17	0.21	4.68	34.37
			C111	-438.55	-42.81	-4.60	-0.13	5.27	25.89
			C112	-457.06	-45.01	-4.24	-0.10	4.83	27.20
			C113	-1073.74	-106.92	-0.39	0.26	-0.08	64.39
			C114	-1092.26	-109.12	-0.03	0.30	-0.51	65.70
			C115	-835.16	-85.17	-1.28	0.01	1.10	51.29
			C116	-853.67	-87.37	-0.92	0.04	0.66	52.61
			C201	-1173.84	-119.63	-42.24	-3.96	48.75	72.15
			C202	-1209.76	-123.70	-45.76	-4.34	52.85	74.60
			C203	-808.39	-85.58	-33.06	-3.31	38.23	51.61
			C204	-844.31	-89.65	-36.58	-3.70	42.32	54.06
			C205	-342.19	-25.90	42.22	4.92	-49.38	15.62
			C206	-378.12	-29.98	38.70	4.54	-45.29	18.08
			C207	-160.30	-12.85	31.69	3.50	-37.01	7.74
			C208	-196.22	-16.92	28.17	3.12	-32.91	10.20
			C209	-406.31	-35.38	-4.89	0.17	5.63	21.47
			C210	-431.30	-38.35	-4.40	0.21	5.04	23.25
			C211	-201.57	-19.41	-4.98	-0.24	5.84	11.80
			C212	-226.57	-22.38	-4.50	-0.20	5.25	13.58
			C213	-1059.09	-105.96	0.71	0.29	-1.38	63.78
			C214	-1084.08	-108.93	1.19	0.33	-1.96	65.56
			C215	-736.99	-76.59	-0.49	-0.06	0.21	46.09
			C216	-761.98	-79.56	-0.01	-0.01	-0.38	47.87
			C301	-1054.61	-107.91	-41.86	-3.98	48.36	65.08
			C302	-1090.53	-111.98	-45.38	-4.36	52.46	67.53
			C303	-689.16	-73.86	-32.68	-3.33	37.84	44.54

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C304	-725.08	-77.93	-36.21	-3.72	41.94	47.00
	C305	-222.97	-14.18	42.59	4.90	-49.77	8.55
	C306	-258.89	-18.26	39.07	4.52	-45.68	11.01
	C307	-41.07	-1.13	32.07	3.48	-37.39	0.68
	C308	-76.99	-5.20	28.55	3.09	-33.30	3.13
	C309	-287.08	-23.66	-4.51	0.15	5.24	14.40
	C310	-312.07	-26.63	-4.02	0.19	4.66	16.18
	C311	-82.35	-7.69	-4.61	-0.26	5.45	4.73
	C312	-107.34	-10.66	-4.12	-0.22	4.86	6.51
	C313	-939.86	-94.24	1.08	0.26	-1.76	56.71
	C314	-964.85	-97.21	1.57	0.31	-2.35	58.49
	C315	-617.77	-64.87	-0.12	-0.08	-0.18	39.03
	C316	-642.76	-67.84	0.37	-0.04	-0.77	40.81
200	C101	-1158.75	-117.04	-32.20	-2.88	-1.58	-69.87
	C102	-1185.35	-120.06	-34.81	-3.16	-1.68	-71.67
	C103	-888.04	-91.82	-25.40	-2.40	-1.22	-54.82
	C104	-914.65	-94.84	-28.01	-2.69	-1.32	-56.62
	C105	-542.71	-47.62	30.36	3.70	0.80	-28.43
	C106	-569.32	-50.63	27.75	3.41	0.70	-30.23
	C107	-407.98	-37.95	22.56	2.65	0.61	-22.66
	C108	-434.58	-40.97	19.95	2.36	0.51	-24.46
	C109	-590.21	-54.64	-4.53	0.18	-0.32	-32.52
	C110	-608.72	-56.84	-4.17	0.21	-0.32	-33.84
	C111	-438.55	-42.81	-4.60	-0.13	-0.26	-25.48
	C112	-457.06	-45.01	-4.24	-0.10	-0.26	-26.80
	C113	-1073.74	-106.92	-0.39	0.26	-0.54	-63.92
	C114	-1092.26	-109.12	-0.03	0.30	-0.54	-65.24
	C115	-835.16	-85.17	-1.28	0.01	-0.43	-50.91
	C116	-853.67	-87.37	-0.92	0.04	-0.44	-52.23
	C201	-1173.84	-119.63	-42.24	-3.96	-1.93	-71.41
	C202	-1209.76	-123.70	-45.76	-4.34	-2.07	-73.84
	C203	-808.39	-85.58	-33.06	-3.31	-1.44	-51.09
	C204	-844.31	-89.65	-36.58	-3.70	-1.57	-53.52
	C205	-342.19	-25.90	42.22	4.92	1.28	-15.46
	C206	-378.12	-29.98	38.70	4.54	1.14	-17.90
	C207	-160.30	-12.85	31.69	3.50	1.02	-7.68
	C208	-196.22	-16.92	28.17	3.12	0.89	-10.11
	C209	-406.31	-35.38	-4.89	0.17	-0.23	-20.98
	C210	-431.30	-38.35	-4.40	0.21	-0.24	-22.77
	C211	-201.57	-19.41	-4.98	-0.24	-0.15	-11.49
	C212	-226.57	-22.38	-4.50	-0.20	-0.15	-13.27
	C213	-1059.09	-105.96	0.71	0.29	-0.53	-63.37
	C214	-1084.08	-108.93	1.19	0.33	-0.53	-65.16
	C215	-736.99	-76.59	-0.49	-0.06	-0.38	-45.82
	C216	-761.98	-79.56	-0.01	-0.01	-0.39	-47.60
	C301	-1054.61	-107.91	-41.86	-3.98	-1.87	-64.41
	C302	-1090.53	-111.98	-45.38	-4.36	-2.00	-66.84
	C303	-689.16	-73.86	-32.68	-3.33	-1.38	-44.09
	C304	-725.08	-77.93	-36.21	-3.72	-1.51	-46.52
	C305	-222.97	-14.18	42.59	4.90	1.34	-8.47
	C306	-258.89	-18.26	39.07	4.52	1.21	-10.90
	C307	-41.07	-1.13	32.07	3.48	1.09	-0.68
	C308	-76.99	-5.20	28.55	3.09	0.95	-3.11
	C309	-287.08	-23.66	-4.51	0.15	-0.17	-13.99
	C310	-312.07	-26.63	-4.02	0.19	-0.17	-15.77
	C311	-82.35	-7.69	-4.61	-0.26	-0.08	-4.49
	C312	-107.34	-10.66	-4.12	-0.22	-0.09	-6.28
	C313	-939.86	-94.24	1.08	0.26	-0.46	-56.38
	C314	-964.85	-97.21	1.57	0.31	-0.47	-58.16
	C315	-617.77	-64.87	-0.12	-0.08	-0.32	-38.82
	C316	-642.76	-67.84	0.37	-0.04	-0.32	-40.61

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2498

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) (KN)	FORCE(Y) (KN)	FORCE(Z) (KN)	MOMENT(X) (KN-M)	MOMENT(Y) (KN-M)	MOMENT(Z) (KN-M)
193- 201	193	DUM	C101	-875.55	42.47	-72.41	-3.80	30.92	-25.63
			C102	-880.73	43.60	-80.47	-4.26	34.32	-26.31
			C103	-693.17	31.56	-55.88	-3.01	23.87	-19.08
			C104	-698.36	32.69	-63.94	-3.47	27.27	-19.76
			C105	-738.96	14.88	117.62	7.25	-49.21	-8.91
			C106	-744.15	16.01	109.56	6.79	-45.81	-9.59
			C107	-581.22	10.03	89.79	5.45	-37.56	-6.03
			C108	-586.41	11.16	81.72	4.99	-34.16	-6.71
			C109	-750.86	29.41	13.68	0.61	-5.32	-17.98
			C110	-750.85	28.95	14.51	0.71	-5.68	-17.68
			C111	-584.44	21.16	8.55	0.27	-3.26	-12.98
			C112	-584.43	20.70	9.38	0.36	-3.62	-12.68
			C113	-830.59	27.75	21.37	2.17	-8.68	-16.48
			C114	-830.58	27.29	22.20	2.27	-9.04	-16.18

	C115	-669.65	20.84	15.62	1.54	-6.32	-12.40
	C116	-669.64	20.38	16.45	1.64	-6.68	-12.10
	C201	-811.59	44.35	-105.86	-5.77	44.99	-26.77
	C202	-818.59	45.87	-116.74	-6.39	49.58	-27.69
	C203	-565.39	29.62	-83.54	-4.70	35.46	-17.92
	C204	-572.39	31.14	-94.43	-5.32	40.05	-18.85
	C205	-627.20	7.10	150.68	9.15	-63.19	-4.20
	C206	-634.21	8.62	139.79	8.52	-58.60	-5.12
	C207	-414.25	0.55	113.10	6.71	-47.46	-0.31
	C208	-421.25	2.07	102.22	6.09	-42.87	-1.23
	C209	-643.27	26.72	10.36	0.18	-3.94	-16.45
	C210	-643.25	26.10	11.48	0.32	-4.43	-16.04
	C211	-418.59	15.58	3.43	-0.28	-1.16	-9.70
	C212	-418.58	14.96	4.56	-0.15	-1.65	-9.29
	C213	-750.89	24.48	20.74	2.29	-8.48	-14.42
	C214	-750.88	23.86	21.86	2.42	-8.97	-14.01
	C215	-533.63	15.14	12.98	1.44	-5.29	-8.91
	C216	-533.62	14.52	14.10	1.57	-5.78	-8.50
	C301	-698.49	40.38	-108.33	-5.96	45.98	-24.38
	C302	-705.49	41.90	-119.22	-6.59	50.57	-25.30
	C303	-452.29	25.65	-86.02	-4.90	36.45	-15.53
	C304	-459.29	27.18	-96.90	-5.52	41.04	-16.45
	C305	-514.10	3.13	148.20	8.95	-62.20	-1.81
	C306	-521.11	4.66	137.32	8.33	-57.61	-2.73
	C307	-301.15	-3.41	110.63	6.52	-46.47	2.08
	C308	-308.15	-1.89	99.74	5.90	-41.88	1.16
	C309	-530.17	22.75	7.88	-0.01	-2.95	-14.06
	C310	-530.15	22.13	9.01	0.12	-3.44	-13.65
	C311	-305.49	11.61	0.96	-0.48	-0.17	-7.31
	C312	-305.48	10.99	2.08	-0.35	-0.66	-6.90
	C313	-637.79	20.51	18.26	2.09	-7.49	-12.03
	C314	-637.78	19.89	19.39	2.22	-7.98	-11.62
	C315	-420.53	11.17	10.50	1.25	-4.30	-6.52
	C316	-420.52	10.56	11.63	1.38	-4.79	-6.11
201	C101	-875.55	42.47	-72.41	-3.80	-55.97	25.34
	C102	-880.73	43.60	-80.47	-4.26	-62.24	26.01
	C103	-693.17	31.56	-55.88	-3.01	-43.18	18.80
	C104	-698.36	32.69	-63.94	-3.47	-49.46	19.47
	C105	-738.96	14.88	117.62	7.25	91.94	8.95
	C106	-744.15	16.01	109.56	6.79	85.66	9.62
	C107	-581.22	10.03	89.79	5.45	70.19	6.01
	C108	-586.41	11.16	81.72	4.99	63.91	6.68
	C109	-750.86	29.41	13.68	0.61	11.09	17.31
	C110	-750.85	28.95	14.51	0.71	11.73	17.06
	C111	-584.44	21.16	8.55	0.27	7.00	12.41
	C112	-584.43	20.70	9.38	0.36	7.64	12.16
	C113	-830.59	27.75	21.37	2.17	16.95	16.82
	C114	-830.58	27.29	22.20	2.27	17.60	16.58
	C115	-669.65	20.84	15.62	1.54	12.42	12.60
	C116	-669.64	20.38	16.45	1.64	13.06	12.36
	C201	-811.59	44.35	-105.86	-5.77	-82.04	26.45
	C202	-818.59	45.87	-116.74	-6.39	-90.52	27.35
	C203	-565.39	29.62	-83.54	-4.70	-64.78	17.62
	C204	-572.39	31.14	-94.43	-5.32	-73.26	18.53
	C205	-627.20	7.10	150.68	9.15	117.63	4.32
	C206	-634.21	8.62	139.79	8.52	109.15	5.23
	C207	-414.25	0.55	113.10	6.71	88.26	0.35
	C208	-421.25	2.07	102.22	6.09	79.79	1.26
	C209	-643.27	26.72	10.36	0.18	8.48	15.61
	C210	-643.25	26.10	11.48	0.32	9.35	15.28
	C211	-418.59	15.58	3.43	-0.28	2.96	8.99
	C212	-418.58	14.96	4.56	-0.15	3.82	8.66
	C213	-750.89	24.48	20.74	2.29	16.40	14.95
	C214	-750.88	23.86	21.86	2.42	17.27	14.62
	C215	-533.63	15.14	12.98	1.44	10.28	9.26
	C216	-533.62	14.52	14.10	1.57	11.14	8.93
	C301	-698.49	40.38	-108.33	-5.96	-84.02	24.08
	C302	-705.49	41.90	-119.22	-6.59	-92.50	24.98
	C303	-452.29	25.65	-86.02	-4.90	-66.76	15.25
	C304	-459.29	27.18	-96.90	-5.52	-75.24	16.16
	C305	-514.10	3.13	148.20	8.95	115.65	1.95
	C306	-521.11	4.66	137.32	8.33	107.17	2.86
	C307	-301.15	-3.41	110.63	6.52	86.28	-2.01
	C308	-308.15	-1.89	99.74	5.90	77.81	-1.11
	C309	-530.17	22.75	7.88	-0.01	6.50	13.24
	C310	-530.15	22.13	9.01	0.12	7.37	12.91
	C311	-305.49	11.61	0.96	-0.48	0.98	6.62
	C312	-305.48	10.99	2.08	-0.35	1.84	6.29
	C313	-637.79	20.51	18.26	2.09	14.42	12.59
	C314	-637.78	19.89	19.39	2.22	15.28	12.25
	C315	-420.53	11.17	10.50	1.25	8.30	6.89
	C316	-420.52	10.56	11.63	1.38	9.16	6.56

SACS (2023)

Company: TECON S.r.l.
DATE 27-FEB-2025 TIME 12:15:10 PST PAGE 2499

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
194- 202	194	DUM	C101	-1068.53	30.25	-104.33	-6.03	43.35	-18.16
			C102	-1091.87	30.51	-112.86	-6.55	46.93	-18.31
			C103	-843.79	21.44	-81.37	-4.46	33.79	-12.89
			C104	-867.14	21.70	-89.91	-4.98	37.37	-13.04
			C105	-508.25	23.39	98.21	6.28	-41.68	-14.14
			C106	-531.59	23.64	89.67	5.76	-38.09	-14.29
			C107	-406.38	15.79	74.19	4.99	-31.51	-9.58
			C108	-429.72	16.05	65.65	4.47	-27.93	-9.73
			C109	-761.08	26.16	-20.73	-0.33	8.21	-16.01
			C110	-758.18	25.85	-18.92	-0.27	7.45	-15.79
			C111	-597.82	17.76	-18.50	-0.15	7.36	-10.92
			C112	-594.92	17.44	-16.68	-0.09	6.61	-10.70
			C113	-805.19	26.21	4.15	0.03	-2.13	-15.55
			C114	-802.29	25.89	5.96	0.09	-2.89	-15.33
			C115	-654.11	18.82	0.89	0.13	-0.71	-11.18
			C116	-651.20	18.50	2.70	0.18	-1.46	-10.96
			C201	-1075.55	29.08	-137.03	-8.11	57.13	-17.43
			C202	-1107.06	29.43	-148.56	-8.81	61.97	-17.63
			C203	-772.16	17.18	-106.04	-5.99	44.22	-10.31
			C204	-803.67	17.53	-117.56	-6.68	49.06	-10.51
			C205	-319.17	19.81	136.39	8.51	-57.65	-12.00
			C206	-350.68	20.16	124.87	7.82	-52.82	-12.20
			C207	-181.66	9.56	103.96	6.77	-43.93	-5.84
			C208	-213.17	9.91	92.44	6.08	-39.09	-6.05
			C209	-660.50	23.56	-24.18	-0.41	9.69	-14.53
			C210	-656.59	23.13	-21.73	-0.33	8.67	-14.23
			C211	-440.10	12.21	-21.16	-0.17	8.55	-7.65
			C212	-436.18	11.78	-18.71	-0.09	7.53	-7.36
			C213	-720.05	23.62	9.41	0.08	-4.27	-13.90
			C214	-716.13	23.19	11.85	0.16	-5.29	-13.61
			C215	-516.08	13.65	5.01	0.21	-2.34	-8.01
			C216	-512.16	13.22	7.45	0.29	-3.36	-7.71
			C301	-963.50	25.49	-135.87	-8.10	56.70	-15.26
			C302	-995.01	25.84	-147.39	-8.79	61.54	-15.46
			C303	-660.11	13.59	-104.88	-5.98	43.80	-8.15
			C304	-691.62	13.94	-116.40	-6.67	48.64	-8.35
			C305	-207.12	16.22	137.55	8.52	-58.08	-9.84
			C306	-238.63	16.57	126.03	7.83	-53.24	-10.04
			C307	-69.61	5.97	105.13	6.78	-44.36	-3.68
			C308	-101.12	6.32	93.60	6.09	-39.52	-3.88
			C309	-548.46	19.97	-23.02	-0.40	9.27	-12.36
			C310	-544.54	19.54	-20.57	-0.32	8.25	-12.07
			C311	-328.05	8.62	-20.00	-0.16	8.13	-5.49
			C312	-324.13	8.19	-17.55	-0.08	7.11	-5.19
			C313	-608.00	20.03	10.57	0.09	-4.69	-11.74
			C314	-604.08	19.60	13.02	0.17	-5.71	-11.45
			C315	-404.03	10.05	6.17	0.22	-2.77	-5.84
			C316	-400.12	9.62	8.62	0.30	-3.78	-5.55
	202		C101	-1068.53	30.25	-104.33	-6.03	-81.84	18.15
			C102	-1091.87	30.51	-112.86	-6.55	-88.50	18.31
			C103	-843.79	21.44	-81.37	-4.46	-63.86	12.84
			C104	-867.14	21.70	-89.91	-4.98	-70.51	13.00
			C105	-508.25	23.39	98.21	6.28	76.17	13.92
			C106	-531.59	23.64	89.67	5.76	69.51	14.08
			C107	-406.38	15.79	74.19	4.99	57.51	9.38
			C108	-429.72	16.05	65.65	4.47	50.85	9.54
			C109	-761.08	26.16	-20.73	-0.33	-16.67	15.39
			C110	-758.18	25.85	-18.92	-0.27	-15.25	15.22
			C111	-597.82	17.76	-18.50	-0.15	-14.83	10.40
			C112	-594.92	17.44	-16.68	-0.09	-13.41	10.23
			C113	-805.19	26.21	4.15	0.03	2.85	15.90
			C114	-802.29	25.89	5.96	0.09	4.27	15.74
			C115	-654.11	18.82	0.89	0.13	0.36	11.41
			C116	-651.20	18.50	2.70	0.18	1.78	11.24
			C201	-1075.55	29.08	-137.03	-8.11	-107.31	17.47
			C202	-1107.06	29.43	-148.56	-8.81	-116.30	17.69
			C203	-772.16	17.18	-106.04	-5.99	-83.02	10.30
			C204	-803.67	17.53	-117.56	-6.68	-92.01	10.52
			C205	-319.17	19.81	136.39	8.51	106.01	11.77
			C206	-350.68	20.16	124.87	7.82	97.02	11.99
			C207	-181.66	9.56	103.96	6.77	80.82	5.63
			C208	-213.17	9.91	92.44	6.08	71.83	5.84
			C209	-660.50	23.56	-24.18	-0.41	-19.33	13.74
			C210	-656.59	23.13	-21.73	-0.33	-17.41	13.52
			C211	-440.10	12.21	-21.16	-0.17	-16.84	7.01
			C212	-436.18	11.78	-18.71	-0.09	-14.92	6.78
			C213	-720.05	23.62	9.41	0.08	7.02	14.44

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C214	-716.13	23.19	11.85	0.16	8.94	14.21
	C215	-516.08	13.65	5.01	0.21	3.67	8.37
	C216	-512.16	13.22	7.45	0.29	5.58	8.15
	C301	-963.50	25.49	-135.87	-8.10	-106.34	15.32
	C302	-995.01	25.84	-147.39	-8.79	-115.33	15.54
	C303	-660.11	13.59	-104.88	-5.98	-82.05	8.16
	C304	-691.62	13.94	-116.40	-6.67	-91.04	8.37
	C305	-207.12	16.22	137.55	8.52	106.99	9.62
	C306	-238.63	16.57	126.03	7.83	98.00	9.84
	C307	-69.61	5.97	105.13	6.78	81.79	3.48
	C308	-101.12	6.32	93.60	6.09	72.80	3.70
	C309	-548.46	19.97	-23.02	-0.40	-18.35	11.60
	C310	-544.54	19.54	-20.57	-0.32	-16.44	11.37
	C311	-328.05	8.62	-20.00	-0.16	-15.87	4.86
	C312	-324.13	8.19	-17.55	-0.08	-13.95	4.64
	C313	-608.00	20.03	10.57	0.09	7.99	12.29
	C314	-604.08	19.60	13.02	0.17	9.91	12.07
	C315	-404.03	10.05	6.17	0.22	4.64	6.22
	C316	-400.12	9.62	8.62	0.30	6.56	6.00

SACS-IV SYSTEM MEMBER FORCES AND MOMENTS

MEMBER NUMBER	MEMBER END	GROUP ID	LOAD CASE	FORCE(X) KN	FORCE(Y) KN	FORCE(Z) KN	MOMENT(X) KN-M	MOMENT(Y) KN-M	MOMENT(Z) KN-M
195- 203	195	DUM	C101	-936.57	-23.65	-49.90	-1.03	20.88	14.27
			C102	-944.90	-23.03	-55.82	-1.07	23.32	13.89
			C103	-701.52	-19.33	-40.55	-0.82	16.94	11.63
			C104	-709.84	-18.71	-46.47	-0.87	19.37	11.26
			C105	-754.17	-39.30	90.86	-0.09	-37.02	23.81
			C106	-762.49	-38.68	84.94	-0.14	-34.58	23.43
			C107	-554.56	-31.20	67.32	-0.09	-27.44	18.87
			C108	-562.89	-30.58	61.40	-0.14	-25.00	18.50
			C109	-472.62	-15.24	-1.35	-0.55	0.73	8.96
			C110	-501.70	-16.74	0.61	-0.55	-0.07	9.90
			C111	-328.52	-12.18	-4.74	-0.45	2.05	7.14
			C112	-357.60	-13.68	-2.77	-0.45	1.26	8.07
			C113	-1148.47	-44.19	32.83	-0.59	-13.00	26.95
			C114	-1177.55	-45.69	34.79	-0.59	-13.79	27.88
			C115	-874.21	-35.30	22.56	-0.49	-8.91	21.49
			C116	-903.29	-36.81	24.53	-0.49	-9.70	22.42
			C201	-884.44	-17.60	-74.63	-1.12	31.02	10.60
			C202	-895.68	-16.76	-82.62	-1.18	34.31	10.09
			C203	-567.12	-11.77	-62.00	-0.84	25.69	7.04
			C204	-578.36	-10.94	-70.00	-0.90	28.98	6.53
			C205	-638.20	-38.73	115.40	0.15	-47.15	23.49
			C206	-649.44	-37.89	107.41	0.09	-43.86	22.98
			C207	-368.73	-27.80	83.63	0.15	-34.22	16.82
			C208	-379.97	-26.96	75.64	0.08	-30.93	16.31
			C209	-258.11	-6.25	-9.08	-0.48	3.81	3.44
			C210	-297.37	-8.27	-6.43	-0.48	2.74	4.70
			C211	-63.57	-2.11	-13.66	-0.34	5.60	0.97
			C212	-102.83	-4.14	-11.00	-0.34	4.53	2.23
			C213	-1170.51	-45.33	37.06	-0.52	-14.72	27.72
			C214	-1209.77	-47.36	39.72	-0.52	-15.79	28.98
			C215	-800.26	-33.33	23.20	-0.40	-9.19	20.35
			C216	-839.52	-35.36	25.85	-0.40	-10.27	21.61
			C301	-768.43	-13.22	-76.84	-1.03	31.89	7.95
			C302	-779.67	-12.39	-84.83	-1.09	35.17	7.44
			C303	-451.11	-7.40	-64.22	-0.76	26.56	4.40
			C304	-462.35	-6.56	-72.21	-0.82	29.85	3.89
			C305	-522.19	-34.35	113.19	0.23	-46.28	20.84
			C306	-533.43	-33.52	105.19	0.17	-43.00	20.33
			C307	-252.72	-23.42	81.41	0.23	-33.35	14.18
			C308	-263.96	-22.58	73.42	0.17	-30.07	13.67
			C309	-142.10	-1.87	-11.30	-0.39	4.67	0.80
			C310	-181.36	-3.90	-8.65	-0.39	3.60	2.06
			C311	52.44	2.26	-15.87	-0.26	6.46	-1.67
			C312	13.18	0.23	-13.22	-0.26	5.39	-0.41
			C313	-1054.50	-40.95	34.84	-0.44	-13.86	25.08
			C314	-1093.76	-42.98	37.50	-0.44	-14.93	26.34
			C315	-684.25	-28.96	20.98	-0.31	-8.33	17.71
			C316	-723.51	-30.99	23.64	-0.31	-9.40	18.97
	203		C101	-936.57	-23.65	-49.90	-1.03	-39.00	-14.11
			C102	-944.90	-23.03	-55.82	-1.07	-43.67	-13.75
			C103	-701.52	-19.33	-40.55	-0.82	-31.73	-11.57
			C104	-709.84	-18.71	-46.47	-0.87	-36.39	-11.20
			C105	-754.17	-39.30	90.86	-0.09	72.01	-23.35
			C106	-762.49	-38.68	84.94	-0.14	67.34	-22.98
			C107	-554.56	-31.20	67.32	-0.09	53.35	-18.57
			C108	-562.89	-30.58	61.40	-0.14	48.68	-18.20

		C109	-472.62	-15.24	-1.35	-0.55	-0.90	-9.32
		C110	-501.70	-16.74	0.61	-0.55	0.67	-10.19
		C111	-328.52	-12.18	-4.74	-0.45	-3.63	-7.48
		C112	-357.60	-13.68	-2.77	-0.45	-2.07	-8.35
		C113	-1148.47	-44.19	32.83	-0.59	26.39	-26.08
		C114	-1177.55	-45.69	34.79	-0.59	27.96	-26.95
		C115	-874.21	-35.30	22.56	-0.49	18.17	-20.87
		C116	-903.29	-36.81	24.53	-0.49	19.73	-21.74
		C201	-884.44	-17.60	-74.63	-1.12	-58.53	-10.52
		C202	-895.68	-16.76	-82.62	-1.18	-64.83	-10.02
		C203	-567.12	-11.77	-62.00	-0.84	-48.71	-7.08
		C204	-578.36	-10.94	-70.00	-0.90	-55.01	-6.59
		C205	-638.20	-38.73	115.40	0.15	91.33	-22.99
		C206	-649.44	-37.89	107.41	0.09	85.03	-22.49
		C207	-368.73	-27.80	83.63	0.15	66.14	-16.54
		C208	-379.97	-26.96	75.64	0.08	59.84	-16.04
		C209	-258.11	-6.25	-9.08	-0.48	-7.09	-4.05
		C210	-297.37	-8.27	-6.43	-0.48	-4.98	-5.23
		C211	-63.57	-2.11	-13.66	-0.34	-10.79	-1.56
		C212	-102.83	-4.14	-11.00	-0.34	-8.67	-2.74
		C213	-1170.51	-45.33	37.06	-0.52	29.75	-26.67
		C214	-1209.77	-47.36	39.72	-0.52	31.87	-27.85
		C215	-800.26	-33.33	23.20	-0.40	18.65	-19.65
		C216	-839.52	-35.36	25.85	-0.40	20.76	-20.82
		C301	-768.43	-13.22	-76.84	-1.03	-60.32	-7.91
		C302	-779.67	-12.39	-84.83	-1.09	-66.63	-7.42
		C303	-451.11	-7.40	-64.22	-0.76	-50.50	-4.48
		C304	-462.35	-6.56	-72.21	-0.82	-56.81	-3.98
		C305	-522.19	-34.35	113.19	0.23	89.54	-20.38
		C306	-533.43	-33.52	105.19	0.17	83.24	-19.89
		C307	-252.72	-23.42	81.41	0.23	64.34	-13.93
		C308	-263.96	-22.58	73.42	0.17	58.04	-13.43
		C309	-142.10	-1.87	-11.30	-0.39	-8.89	-1.45
		C310	-181.36	-3.90	-8.65	-0.39	-6.77	-2.62
		C311	52.44	2.26	-15.87	-0.26	-12.58	1.04
		C312	13.18	0.23	-13.22	-0.26	-10.47	-0.13
		C313	-1054.50	-40.95	34.84	-0.44	27.96	-24.07
		C314	-1093.76	-42.98	37.50	-0.44	30.07	-25.24
		C315	-684.25	-28.96	20.98	-0.31	16.85	-17.04
		C316	-723.51	-30.99	23.64	-0.31	18.96	-18.21
196-	204 196 DUM	C101	-1132.40	-49.41	-88.82	1.12	36.13	29.93
		C102	-1158.53	-50.92	-95.48	1.09	38.85	30.85
		C103	-855.82	-40.07	-68.24	1.05	27.80	24.24
		C104	-881.95	-41.57	-74.90	1.02	30.52	25.16
		C105	-534.59	-14.93	67.90	1.59	-27.98	8.97
		C106	-560.72	-16.44	61.25	1.57	-25.26	9.89
		C107	-389.77	-13.45	52.15	1.41	-21.45	8.06
		C108	-415.90	-14.96	45.49	1.39	-18.72	8.98
		C109	-489.28	-19.35	-8.79	1.24	3.55	11.45
		C110	-515.52	-20.51	-8.75	1.25	3.52	12.18
		C111	-348.28	-16.66	-7.59	1.12	3.12	9.85
		C112	-374.52	-17.82	-7.55	1.13	3.09	10.58
		C113	-1130.20	-44.12	-18.29	1.41	7.15	26.90
		C114	-1156.45	-45.29	-18.25	1.42	7.12	27.63
		C115	-865.60	-36.39	-14.85	1.28	5.85	22.14
		C116	-891.85	-37.55	-14.81	1.29	5.83	22.87
		C201	-1148.84	-51.32	-113.49	0.86	46.23	31.11
		C202	-1184.12	-53.35	-122.48	0.83	49.91	32.35
		C203	-775.46	-38.70	-85.72	0.76	34.99	23.42
		C204	-810.73	-40.74	-94.71	0.73	38.67	24.66
		C205	-341.80	-4.76	98.08	1.50	-40.32	2.81
		C206	-377.08	-6.80	89.09	1.47	-36.64	4.05
		C207	-146.30	-2.77	76.81	1.26	-31.49	1.58
		C208	-181.57	-4.80	67.82	1.22	-27.81	2.82
		C209	-280.63	-10.73	-5.45	1.02	2.25	6.16
		C210	-316.06	-12.30	-5.39	1.04	2.21	7.14
		C211	-90.27	-7.10	-3.83	0.87	1.67	4.00
		C212	-125.70	-8.67	-3.78	0.88	1.63	4.98
		C213	-1145.87	-44.17	-18.27	1.26	7.11	27.01
		C214	-1181.30	-45.74	-18.22	1.27	7.07	27.99
		C215	-788.66	-33.74	-13.63	1.08	5.36	20.59
		C216	-824.09	-35.31	-13.58	1.09	5.33	21.57
		C301	-1032.84	-46.62	-111.54	0.67	45.46	28.27
		C302	-1068.12	-48.65	-120.53	0.63	49.13	29.51
		C303	-659.46	-34.00	-83.76	0.56	34.21	20.58
		C304	-694.73	-36.04	-92.75	0.53	37.89	21.82
		C305	-225.80	-0.06	100.04	1.30	-41.09	-0.03
		C306	-261.08	-2.10	91.05	1.27	-37.42	1.21
		C307	-30.30	1.93	78.77	1.06	-32.27	-1.26
		C308	-65.57	-0.10	69.78	1.02	-28.59	-0.02
		C309	-164.63	-6.03	-3.49	0.82	1.47	3.32
		C310	-200.06	-7.60	-3.44	0.84	1.43	4.30
		C311	25.73	-2.40	-1.87	0.67	0.89	1.16
		C312	-9.70	-3.97	-1.82	0.68	0.86	2.14

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C313	-1029.87	-39.47	-16.31	1.06	6.33	24.17
			C314	-1065.30	-41.04	-16.26	1.07	6.30	25.15
			C315	-672.66	-29.04	-11.67	0.88	4.59	17.75
			C316	-708.09	-30.61	-11.62	0.89	4.55	18.73
	204		C101	-1132.40	-49.41	-88.82	1.12	-70.46	-29.36
			C102	-1158.53	-50.92	-95.48	1.09	-75.72	-30.25
			C103	-855.82	-40.07	-68.24	1.05	-54.09	-23.84
			C104	-881.95	-41.57	-74.90	1.02	-59.36	-24.73
			C105	-534.59	-14.93	67.90	1.59	53.50	-8.95
			C106	-560.72	-16.44	61.25	1.57	48.23	-9.84
			C107	-389.77	-13.45	52.15	1.41	41.13	-8.08
			C108	-415.90	-14.96	45.49	1.39	35.86	-8.97
			C109	-489.28	-19.35	-8.79	1.24	-7.00	-11.76
			C110	-515.52	-20.51	-8.75	1.25	-6.98	-12.43
			C111	-348.28	-16.66	-7.59	1.12	-5.99	-10.14
			C112	-374.52	-17.82	-7.55	1.13	-5.97	-10.81
			C113	-1130.20	-44.12	-18.29	1.41	-14.80	-26.05
			C114	-1156.45	-45.29	-18.25	1.42	-14.78	-26.72
			C115	-865.60	-36.39	-14.85	1.28	-11.96	-21.53
			C116	-891.85	-37.55	-14.81	1.29	-11.94	-22.20
			C201	-1148.84	-51.32	-113.49	0.86	-89.96	-30.47
			C202	-1184.12	-53.35	-122.48	0.83	-97.07	-31.68
			C203	-775.46	-38.70	-85.72	0.76	-67.87	-23.02
			C204	-810.73	-40.74	-94.71	0.73	-74.98	-24.22
			C205	-341.80	-4.76	98.08	1.50	77.38	-2.91
			C206	-377.08	-6.80	89.09	1.47	70.27	-4.11
			C207	-146.30	-2.77	76.81	1.26	60.68	-1.74
			C208	-181.57	-4.80	67.82	1.22	53.57	-2.95
			C209	-280.63	-10.73	-5.45	1.02	-4.29	-6.71
			C210	-316.06	-12.30	-5.39	1.04	-4.26	-7.62
			C211	-90.27	-7.10	-3.83	0.87	-2.93	-4.52
			C212	-125.70	-8.67	-3.78	0.88	-2.91	-5.42
			C213	-1145.87	-44.17	-18.27	1.26	-14.82	-26.00
			C214	-1181.30	-45.74	-18.22	1.27	-14.79	-26.90
			C215	-788.66	-33.74	-13.63	1.08	-10.99	-19.89
			C216	-824.09	-35.31	-13.58	1.09	-10.97	-20.80
			C301	-1032.84	-46.62	-111.54	0.67	-88.39	-27.67
			C302	-1068.12	-48.65	-120.53	0.63	-95.50	-28.88
			C303	-659.46	-34.00	-83.76	0.56	-66.30	-20.22
			C304	-694.73	-36.04	-92.75	0.53	-73.41	-21.42
			C305	-225.80	-0.06	100.04	1.30	78.96	-0.11
			C306	-261.08	-2.10	91.05	1.27	71.85	-1.31
			C307	-30.30	1.93	78.77	1.06	62.26	1.06
			C308	-65.57	-0.10	69.78	1.02	55.14	-0.15
			C309	-164.63	-6.03	-3.49	0.82	-2.71	-3.91
			C310	-200.06	-7.60	-3.44	0.84	-2.69	-4.82
			C311	25.73	-2.40	-1.87	0.67	-1.36	-1.72
			C312	-9.70	-3.97	-1.82	0.68	-1.33	-2.62
			C313	-1029.87	-39.47	-16.31	1.06	-13.24	-23.20
			C314	-1065.30	-41.04	-16.26	1.07	-13.22	-24.10
			C315	-672.66	-29.04	-11.67	0.88	-9.41	-17.09
			C316	-708.09	-30.61	-11.62	0.89	-9.39	-18.00
201- 206	201	DUM	C101	-862.00	30.54	105.22	-1.69	-43.04	-23.91
			C102	-868.35	31.55	101.57	-2.03	-41.66	-24.69
			C103	-687.13	25.21	84.90	-1.28	-34.71	-19.82
			C104	-693.48	26.23	81.26	-1.62	-33.32	-20.59
			C105	-695.16	3.90	186.63	6.21	-73.91	-3.51
			C106	-701.51	4.92	182.99	5.87	-72.53	-4.29
			C107	-552.19	4.50	146.22	4.76	-57.93	-3.95
			C108	-558.54	5.52	142.58	4.42	-56.55	-4.72
			C109	-759.10	38.16	134.28	2.29	-53.91	-30.36
			C110	-755.82	35.78	134.52	2.25	-54.00	-28.48
			C111	-596.26	31.23	104.26	1.70	-41.88	-24.89
			C112	-592.98	28.85	104.50	1.66	-41.97	-23.01
			C113	-771.94	-0.86	146.85	1.81	-58.84	0.70
			C114	-768.66	-3.24	147.09	1.77	-58.92	2.58
			C115	-628.85	1.53	118.43	1.40	-47.47	-1.25
			C116	-625.57	-0.85	118.67	1.36	-47.55	0.63
			C201	-804.99	32.81	76.16	-3.22	-31.68	-25.58
			C202	-813.56	34.19	71.24	-3.68	-29.81	-26.63
			C203	-568.92	25.63	48.73	-2.67	-20.43	-20.05
			C204	-577.49	27.00	43.81	-3.13	-18.56	-21.10
			C205	-579.76	-3.14	186.07	7.45	-73.36	1.96
			C206	-588.33	-1.77	181.15	6.99	-71.49	0.91
			C207	-386.75	-2.33	131.51	5.49	-51.79	1.37
			C208	-395.32	-0.96	126.59	5.03	-49.92	0.32
			C209	-666.08	43.11	115.40	2.15	-46.36	-34.29
			C210	-661.65	39.90	115.72	2.10	-46.47	-31.75
			C211	-446.24	33.75	74.86	1.36	-30.12	-26.91
			C212	-441.81	30.54	75.18	1.31	-30.23	-24.37
			C213	-683.41	-9.57	132.37	1.51	-53.01	7.64
			C214	-678.98	-12.78	132.69	1.46	-53.12	10.18
			C215	-490.24	-6.35	94.00	0.95	-37.66	5.01
			C216	-485.82	-9.56	94.32	0.90	-37.77	7.55
			C301	-695.46	30.25	56.04	-3.51	-23.61	-23.54

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C302	-704.03	31.62	51.12	-3.97	-21.74	-24.58
		C303	-459.39	23.06	28.62	-2.95	-12.36	-18.01
		C304	-467.96	24.43	23.70	-3.41	-10.49	-19.05
		C305	-470.23	-5.71	165.95	7.16	-65.29	4.01
		C306	-478.80	-4.34	161.03	6.70	-63.42	2.96
		C307	-277.22	-4.90	111.39	5.21	-43.72	3.41
		C308	-285.79	-3.52	106.48	4.75	-41.85	2.37
		C309	-556.55	40.54	95.28	1.86	-38.29	-32.25
		C310	-552.12	37.33	95.60	1.81	-38.40	-29.71
		C311	-336.71	31.19	54.75	1.07	-22.05	-24.86
		C312	-332.28	27.98	55.07	1.02	-22.16	-22.32
		C313	-573.88	-12.14	112.25	1.22	-44.94	9.69
		C314	-569.45	-15.35	112.57	1.17	-45.05	12.23
		C315	-380.71	-8.92	73.88	0.67	-29.59	7.06
		C316	-376.29	-12.13	74.20	0.62	-29.70	9.59
	206	C101	-862.00	30.54	105.22	-1.69	41.13	0.52
		C102	-868.35	31.55	101.57	-2.03	39.60	0.56
		C103	-687.13	25.21	84.90	-1.28	33.21	0.36
		C104	-693.48	26.23	81.26	-1.62	31.68	0.39
		C105	-695.16	3.90	186.63	6.21	75.39	-0.39
		C106	-701.51	4.92	182.99	5.87	73.86	-0.35
		C107	-552.19	4.50	146.22	4.76	59.04	-0.34
		C108	-558.54	5.52	142.58	4.42	57.51	-0.31
		C109	-759.10	38.16	134.28	2.29	53.51	0.17
		C110	-755.82	35.78	134.52	2.25	53.62	0.14
		C111	-596.26	31.23	104.26	1.70	41.53	0.09
		C112	-592.98	28.85	104.50	1.66	41.63	0.07
		C113	-771.94	-0.86	146.85	1.81	58.65	0.01
		C114	-768.66	-3.24	147.09	1.77	58.75	-0.01
		C115	-628.85	1.53	118.43	1.40	47.28	-0.03
		C116	-625.57	-0.85	118.67	1.36	47.38	-0.05
		C201	-804.99	32.81	76.16	-3.22	29.24	0.67
		C202	-813.56	34.19	71.24	-3.68	27.18	0.72
		C203	-568.92	25.63	48.73	-2.67	18.55	0.45
		C204	-577.49	27.00	43.81	-3.13	16.49	0.50
		C205	-579.76	-3.14	186.07	7.45	75.50	-0.55
		C206	-588.33	-1.77	181.15	6.99	73.43	-0.50
		C207	-386.75	-2.33	131.51	5.49	53.42	-0.49
		C208	-395.32	-0.96	126.59	5.03	51.36	-0.44
		C209	-666.08	43.11	115.40	2.15	45.96	0.19
		C210	-661.65	39.90	115.72	2.10	46.10	0.17
		C211	-446.24	33.75	74.86	1.36	29.77	0.10
		C212	-441.81	30.54	75.18	1.31	29.92	0.07
		C213	-683.41	-9.57	132.37	1.51	52.89	-0.02
		C214	-678.98	-12.78	132.69	1.46	53.03	-0.04
		C215	-490.24	-6.35	94.00	0.95	37.54	-0.07
		C216	-485.82	-9.56	94.32	0.90	37.68	-0.10
		C301	-695.46	30.25	56.04	-3.51	21.22	0.66
		C302	-704.03	31.62	51.12	-3.97	19.15	0.71
		C303	-459.39	23.06	28.62	-2.95	10.53	0.44
		C304	-467.96	24.43	23.70	-3.41	8.46	0.49
		C305	-470.23	-5.71	165.95	7.16	67.47	-0.56
		C306	-478.80	-4.34	161.03	6.70	65.41	-0.51
		C307	-277.22	-4.90	111.39	5.21	45.40	-0.50
		C308	-285.79	-3.52	106.48	4.75	43.33	-0.45
		C309	-556.55	40.54	95.28	1.86	37.93	0.19
		C310	-552.12	37.33	95.60	1.81	38.08	0.16
		C311	-336.71	31.19	54.75	1.07	21.75	0.09
		C312	-332.28	27.98	55.07	1.02	21.89	0.06
		C313	-573.88	-12.14	112.25	1.22	44.86	-0.02
		C314	-569.45	-15.35	112.57	1.17	45.01	-0.05
		C315	-380.71	-8.92	73.88	0.67	29.51	-0.08
		C316	-376.29	-12.13	74.20	0.62	29.65	-0.11
202- 207	202	DUM C101	-1012.94	13.23	-233.03	-6.05	92.70	-10.79
		C102	-1033.57	12.82	-241.54	-6.46	96.04	-10.49
		C103	-804.97	11.32	-184.47	-4.68	73.40	-9.28
		C104	-825.60	10.91	-192.98	-5.09	76.74	-8.98
		C105	-514.28	20.47	-31.58	3.78	13.68	-16.04
		C106	-534.92	20.06	-40.09	3.37	17.02	-15.73
		C107	-415.05	16.60	-28.47	2.89	12.19	-13.09
		C108	-435.68	16.19	-36.98	2.48	15.53	-12.78
		C109	-767.02	35.51	-140.14	-2.37	56.20	-28.34
		C110	-761.47	33.36	-138.44	-2.21	55.53	-26.63
		C111	-606.67	28.33	-112.24	-1.91	44.99	-22.68
		C112	-601.11	26.18	-110.54	-1.75	44.32	-20.97
		C113	-751.83	-0.72	-128.87	-0.41	51.85	0.61
		C114	-746.27	-2.87	-127.16	-0.26	51.18	2.31
		C115	-616.50	0.89	-107.04	-0.41	43.05	-0.76
		C116	-610.94	-1.26	-105.34	-0.25	42.38	0.95
		C201	-1011.52	10.11	-251.50	-7.54	99.81	-8.38
		C202	-1039.38	9.56	-262.99	-8.10	104.32	-7.97
		C203	-730.76	7.54	-185.94	-5.70	73.75	-6.34
		C204	-758.62	6.98	-197.44	-6.25	78.26	-5.93
		C205	-338.34	19.89	20.45	5.73	-6.87	-15.46
		C206	-366.20	19.34	8.96	5.18	-2.36	-15.05

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C207	-204.37	14.66	24.65	4.52	-8.88	-11.48
			C208	-232.23	14.10	13.16	3.97	-4.37	-11.06
			C209	-679.54	40.19	-126.11	-2.57	50.53	-32.07
			C210	-672.04	37.28	-123.81	-2.36	49.63	-29.76
			C211	-463.06	30.50	-88.43	-1.96	35.40	-24.43
			C212	-455.56	27.59	-86.14	-1.75	34.50	-22.12
			C213	-659.03	-8.71	-110.88	0.06	44.66	7.01
			C214	-651.53	-11.62	-108.59	0.28	43.76	9.31
			C215	-476.33	-6.54	-81.41	0.06	32.78	5.17
			C216	-468.83	-9.44	-79.12	0.28	31.87	7.47
			C301	-902.84	7.75	-232.24	-7.35	92.07	-6.49
			C302	-930.69	7.19	-243.73	-7.91	96.58	-6.08
			C303	-622.08	5.17	-166.68	-5.51	66.01	-4.45
			C304	-649.93	4.62	-178.17	-6.06	70.52	-4.04
			C305	-229.66	17.53	39.72	5.92	-14.61	-13.57
			C306	-257.51	16.97	28.22	5.37	-10.10	-13.16
			C307	-95.69	12.29	43.92	4.71	-16.62	-9.59
			C308	-123.55	11.74	32.42	4.16	-12.11	-9.17
			C309	-570.85	37.82	-106.85	-2.38	42.79	-30.18
			C310	-563.35	34.92	-104.55	-2.17	41.89	-27.87
			C311	-354.37	28.13	-69.17	-1.77	27.66	-22.54
			C312	-346.87	25.23	-66.87	-1.56	26.76	-20.23
			C313	-550.35	-11.08	-91.62	0.25	36.92	8.90
			C314	-542.85	-13.98	-89.32	0.47	36.02	11.20
			C315	-367.65	-8.90	-62.15	0.25	25.04	7.06
			C316	-360.15	-11.81	-59.85	0.47	24.14	9.36
	207		C101	-1012.94	13.23	-233.03	-6.05	-93.72	-0.21
			C102	-1033.57	12.82	-241.54	-6.46	-97.19	-0.24
			C103	-804.97	11.32	-184.47	-4.68	-74.17	-0.23
			C104	-825.60	10.91	-192.98	-5.09	-77.64	-0.25
			C105	-514.28	20.47	-31.58	3.78	-11.58	0.34
			C106	-534.92	20.06	-40.09	3.37	-15.05	0.32
			C107	-415.05	16.60	-28.47	2.89	-10.58	0.19
			C108	-435.68	16.19	-36.98	2.48	-14.05	0.17
			C109	-767.02	35.51	-140.14	-2.37	-55.91	0.07
			C110	-761.47	33.36	-138.44	-2.21	-55.22	0.06
			C111	-606.67	28.33	-112.24	-1.91	-44.80	-0.02
			C112	-601.11	26.18	-110.54	-1.75	-44.10	-0.03
			C113	-751.83	-0.72	-128.87	-0.41	-51.24	0.03
			C114	-746.27	-2.87	-127.16	-0.26	-50.55	0.02
			C115	-616.50	0.89	-107.04	-0.41	-42.58	-0.04
			C116	-610.94	-1.26	-105.34	-0.25	-41.89	-0.05
			C201	-1011.52	10.11	-251.50	-7.54	-101.39	-0.29
			C202	-1039.38	9.56	-262.99	-8.10	-106.08	-0.33
			C203	-730.76	7.54	-185.94	-5.70	-75.01	-0.31
			C204	-758.62	6.98	-197.44	-6.25	-79.69	-0.35
			C205	-338.34	19.89	20.45	5.73	9.49	0.45
			C206	-366.20	19.34	8.96	5.18	4.81	0.42
			C207	-204.37	14.66	24.65	4.52	10.84	0.25
			C208	-232.23	14.10	13.16	3.97	6.16	0.22
			C209	-679.54	40.19	-126.11	-2.57	-50.36	0.08
			C210	-672.04	37.28	-123.81	-2.36	-49.42	0.07
			C211	-463.06	30.50	-88.43	-1.96	-35.35	-0.03
			C212	-455.56	27.59	-86.14	-1.75	-34.41	-0.05
			C213	-659.03	-8.71	-110.88	0.06	-44.04	0.04
			C214	-651.53	-11.62	-108.59	0.28	-43.11	0.02
			C215	-476.33	-6.54	-81.41	0.06	-32.35	-0.06
			C216	-468.83	-9.44	-79.12	0.28	-31.42	-0.08
			C301	-902.84	7.75	-232.24	-7.35	-93.72	-0.30
			C302	-930.69	7.19	-243.73	-7.91	-98.41	-0.33
			C303	-622.08	5.17	-166.68	-5.51	-67.33	-0.32
			C304	-649.93	4.62	-178.17	-6.06	-72.02	-0.35
			C305	-229.66	17.53	39.72	5.92	17.16	0.45
			C306	-257.51	16.97	28.22	5.37	12.48	0.42
			C307	-95.69	12.29	43.92	4.71	18.52	0.25
			C308	-123.55	11.74	32.42	4.16	13.83	0.22
			C309	-570.85	37.82	-106.85	-2.38	-42.68	0.08
			C310	-563.35	34.92	-104.55	-2.17	-41.75	0.06
			C311	-354.37	28.13	-69.17	-1.77	-27.67	-0.03
			C312	-346.87	25.23	-66.87	-1.56	-26.74	-0.05
			C313	-550.35	-11.08	-91.62	0.25	-36.37	0.03
			C314	-542.85	-13.98	-89.32	0.47	-35.44	0.02
			C315	-367.65	-8.90	-62.15	0.25	-24.68	-0.07
			C316	-360.15	-11.81	-59.85	0.47	-23.75	-0.08
203- 208	203	DUM	C101	-943.40	-9.95	155.25	-1.39	-63.14	8.48
			C102	-954.19	-8.65	155.77	-1.33	-63.42	7.49
			C103	-702.72	-5.48	115.06	-1.07	-46.84	4.75
			C104	-713.51	-4.18	115.57	-1.00	-47.12	3.77
			C105	-705.24	-43.62	144.29	-3.00	-56.94	33.99
			C106	-716.03	-42.32	144.80	-2.93	-57.22	33.01
			C107	-513.19	-31.22	105.50	-2.29	-41.62	24.26
			C108	-523.98	-29.92	106.02	-2.22	-41.90	23.27
			C109	-428.54	8.86	76.99	-0.77	-31.00	-6.99
			C110	-459.85	5.41	82.77	-0.92	-33.30	-4.27
			C111	-291.04	10.05	51.82	-0.52	-20.91	-7.97

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C112	-322.35	6.60	57.60	-0.67	-23.21	-5.25
	C113	-1150.91	-55.79	208.40	-3.29	-83.51	44.24
	C114	-1182.22	-59.24	214.18	-3.43	-85.81	46.96
	C115	-871.89	-40.73	157.56	-2.54	-63.16	32.27
	C116	-903.20	-44.18	163.33	-2.69	-65.46	34.99
	C201	-903.43	-2.14	142.74	-0.91	-58.42	2.48
	C202	-918.00	-0.38	143.44	-0.82	-58.80	1.15
	C203	-578.51	3.91	88.48	-0.46	-36.41	-2.55
	C204	-593.08	5.66	89.17	-0.38	-36.79	-3.87
	C205	-581.92	-47.59	127.94	-3.07	-50.04	36.93
	C206	-596.48	-45.83	128.63	-2.98	-50.42	35.60
	C207	-322.64	-30.85	75.58	-2.11	-29.37	23.78
	C208	-337.21	-29.09	76.28	-2.02	-29.75	22.46
	C209	-208.37	23.26	37.09	-0.07	-15.02	-18.40
	C210	-250.63	18.60	44.88	-0.27	-18.13	-14.72
	C211	-22.75	24.87	3.11	0.27	-1.40	-19.73
	C212	-65.02	20.21	10.91	0.07	-4.51	-16.05
	C213	-1183.58	-64.01	214.49	-3.46	-85.91	50.76
	C214	-1225.84	-68.67	222.29	-3.66	-89.02	54.44
	C215	-806.90	-43.69	145.85	-2.46	-58.44	34.60
	C216	-849.16	-48.35	153.65	-2.66	-61.55	38.27
	C301	-790.41	1.31	122.33	-0.61	-50.23	-0.26
	C302	-804.98	3.07	123.02	-0.52	-50.61	-1.58
	C303	-465.48	7.36	68.07	-0.17	-28.22	-5.28
	C304	-480.05	9.12	68.76	-0.08	-28.60	-6.61
	C305	-468.89	-44.14	107.52	-2.77	-41.85	34.19
	C306	-483.46	-42.38	108.22	-2.69	-42.23	32.86
	C307	-209.62	-27.40	55.17	-1.81	-21.18	21.05
	C308	-224.19	-25.64	55.86	-1.73	-21.56	19.72
	C309	-95.35	26.71	16.67	0.23	-6.83	-21.14
	C310	-137.61	22.05	24.47	0.03	-9.94	-17.46
	C311	90.27	28.32	-17.30	0.57	6.79	-22.46
	C312	48.01	23.66	-9.50	0.37	3.68	-18.79
	C313	-1070.55	-60.56	194.08	-3.16	-77.72	48.03
	C314	-1112.81	-65.22	201.88	-3.36	-80.83	51.70
	C315	-693.88	-40.24	125.44	-2.16	-50.25	31.86
	C316	-736.14	-44.89	133.24	-2.36	-53.36	35.54
208	C101	-943.40	-9.95	155.25	-1.39	61.06	0.51
	C102	-954.19	-8.65	155.77	-1.33	61.19	0.57
	C103	-702.72	-5.48	115.06	-1.07	45.21	0.37
	C104	-713.51	-4.18	115.57	-1.00	45.34	0.43
	C105	-705.24	-43.62	144.29	-3.00	58.49	-0.91
	C106	-716.03	-42.32	144.80	-2.93	58.62	-0.85
	C107	-513.19	-31.22	105.50	-2.29	42.78	-0.72
	C108	-523.98	-29.92	106.02	-2.22	42.91	-0.66
	C109	-428.54	8.86	76.99	-0.77	30.60	0.10
	C110	-459.85	5.41	82.77	-0.92	32.91	0.06
	C111	-291.04	10.05	51.82	-0.52	20.55	0.07
	C112	-322.35	6.60	57.60	-0.67	22.87	0.03
	C113	-1150.91	-55.79	208.40	-3.29	83.22	-0.39
	C114	-1182.22	-59.24	214.18	-3.43	85.53	-0.43
	C115	-871.89	-40.73	157.56	-2.54	62.89	-0.32
	C116	-903.20	-44.18	163.33	-2.69	65.20	-0.36
	C201	-903.43	-2.14	142.74	-0.91	55.77	0.77
	C202	-918.00	-0.38	143.44	-0.82	55.95	0.85
	C203	-578.51	3.91	88.48	-0.46	34.38	0.58
	C204	-593.08	5.66	89.17	-0.38	34.55	0.66
	C205	-581.92	-47.59	127.94	-3.07	52.30	-1.14
	C206	-596.48	-45.83	128.63	-2.98	52.48	-1.06
	C207	-322.64	-30.85	75.58	-2.11	31.10	-0.89
	C208	-337.21	-29.09	76.28	-2.02	31.27	-0.82
	C209	-208.37	23.26	37.09	-0.07	14.65	0.21
	C210	-250.63	18.60	44.88	-0.27	17.78	0.16
	C211	-22.75	24.87	3.11	0.27	1.09	0.17
	C212	-65.02	20.21	10.91	0.07	4.22	0.12
	C213	-1183.58	-64.01	214.49	-3.46	85.68	-0.44
	C214	-1225.84	-68.67	222.29	-3.66	88.81	-0.50
	C215	-806.90	-43.69	145.85	-2.46	58.24	-0.35
	C216	-849.16	-48.35	153.65	-2.66	61.37	-0.40
	C301	-790.41	1.31	122.33	-0.61	47.63	0.80
	C302	-804.98	3.07	123.02	-0.52	47.81	0.88
	C303	-465.48	7.36	68.07	-0.17	26.24	0.60
	C304	-480.05	9.12	68.76	-0.08	26.41	0.68
	C305	-468.89	-44.14	107.52	-2.77	44.16	-1.12
	C306	-483.46	-42.38	108.22	-2.69	44.34	-1.04
	C307	-209.62	-27.40	55.17	-1.81	22.96	-0.87
	C308	-224.19	-25.64	55.86	-1.73	23.13	-0.79
	C309	-95.35	26.71	16.67	0.23	6.51	0.23
	C310	-137.61	22.05	24.47	0.03	9.64	0.18
	C311	90.27	28.32	-17.30	0.57	-7.05	0.19
	C312	48.01	23.66	-9.50	0.37	-3.92	0.14
	C313	-1070.55	-60.56	194.08	-3.16	77.54	-0.42
	C314	-1112.81	-65.22	201.88	-3.36	80.67	-0.47
	C315	-693.88	-40.24	125.44	-2.16	50.10	-0.33
	C316	-736.14	-44.89	133.24	-2.36	53.23	-0.38

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

204- 209	204	DUM	C101	-1081.44	-51.91	-209.89	3.73	83.37	40.72
			C102	-1104.91	-54.30	-215.58	3.86	85.58	42.58
			C103	-811.47	-38.67	-158.08	2.93	62.77	30.26
			C104	-834.95	-41.06	-163.76	3.07	64.97	32.12
			C105	-549.35	1.62	-81.29	0.65	33.59	-0.79
			C106	-572.82	-0.77	-86.97	0.79	35.79	1.06
			C107	-396.03	2.50	-57.98	0.56	24.01	-1.68
			C108	-419.50	0.11	-63.67	0.69	26.21	0.18
			C109	-439.94	4.58	-81.09	1.09	32.52	-3.71
			C110	-469.23	1.72	-86.05	1.21	34.51	-1.44
			C111	-304.66	5.13	-56.83	0.87	22.76	-4.20
			C112	-333.94	2.27	-61.78	0.99	24.76	-1.93
			C113	-1137.42	-52.82	-202.37	3.21	81.26	41.95
			C114	-1166.71	-55.68	-207.32	3.32	83.26	44.22
			C115	-865.29	-39.77	-154.33	2.57	61.95	31.52
			C116	-894.57	-42.63	-159.28	2.69	63.95	33.79
			C201	-1090.04	-58.37	-216.88	3.99	85.87	45.70
			C202	-1121.73	-61.60	-224.56	4.18	88.85	48.21
			C203	-725.58	-40.50	-146.93	2.92	58.06	31.58
			C204	-757.28	-43.73	-154.60	3.10	61.03	34.09
			C205	-371.72	13.90	-43.27	-0.16	18.67	-10.34
			C206	-403.41	10.67	-50.94	0.02	21.64	-7.84
			C207	-164.73	15.09	-11.81	-0.29	5.73	-11.53
			C208	-196.43	11.86	-19.48	-0.10	8.70	-9.03
			C209	-224.02	17.90	-43.00	0.43	17.22	-14.28
			C210	-263.55	14.03	-49.69	0.59	19.91	-11.22
			C211	-41.38	18.63	-10.24	0.14	4.05	-14.94
			C212	-80.92	14.77	-16.93	0.29	6.75	-11.87
			C213	-1165.62	-59.59	-206.72	3.29	83.02	47.36
			C214	-1205.16	-63.46	-213.41	3.45	85.72	50.43
			C215	-798.24	-41.98	-141.87	2.43	56.96	33.28
			C216	-837.78	-45.84	-148.56	2.59	59.65	36.34
			C301	-977.09	-54.80	-196.59	3.68	77.73	42.87
			C302	-1008.79	-58.03	-204.26	3.86	80.70	45.38
			C303	-612.64	-36.92	-126.63	2.60	49.91	28.75
			C304	-644.33	-40.15	-134.30	2.78	52.89	31.26
			C305	-258.77	17.47	-22.97	-0.48	10.52	-13.17
			C306	-290.47	14.24	-30.64	-0.30	13.50	-10.67
			C307	-51.79	18.66	8.49	-0.60	-2.42	-14.37
			C308	-83.48	15.44	0.82	-0.42	0.56	-11.86
			C309	-111.07	21.47	-22.71	0.11	9.07	-17.11
			C310	-150.61	17.61	-29.39	0.27	11.77	-14.05
			C311	71.56	22.21	10.05	-0.18	-4.10	-17.77
			C312	32.03	18.35	3.37	-0.02	-1.40	-14.70
			C313	-1052.68	-56.02	-186.43	2.97	74.87	44.53
			C314	-1092.21	-59.88	-193.11	3.13	77.57	47.59
			C315	-685.29	-38.40	-121.57	2.11	48.81	30.45
			C316	-724.83	-42.26	-128.26	2.27	51.51	33.51
	209		C101	-1081.44	-51.91	-209.89	3.73	-84.54	-0.81
			C102	-1104.91	-54.30	-215.58	3.86	-86.89	-0.86
			C103	-811.47	-38.67	-158.08	2.93	-63.69	-0.68
			C104	-834.95	-41.06	-163.76	3.07	-66.03	-0.73
			C105	-549.35	1.62	-81.29	0.65	-31.44	0.50
			C106	-572.82	-0.77	-86.97	0.79	-33.78	0.45
			C107	-396.03	2.50	-57.98	0.56	-22.38	0.33
			C108	-419.50	0.11	-63.67	0.69	-24.73	0.27
			C109	-439.94	4.58	-81.09	1.09	-32.36	-0.05
			C110	-469.23	1.72	-86.05	1.21	-34.33	-0.06
			C111	-304.66	5.13	-56.83	0.87	-22.70	-0.09
			C112	-333.94	2.27	-61.78	0.99	-24.67	-0.11
			C113	-1137.42	-52.82	-202.37	3.21	-80.64	-0.30
			C114	-1166.71	-55.68	-207.32	3.32	-82.60	-0.32
			C115	-865.29	-39.77	-154.33	2.57	-61.51	-0.30
			C116	-894.57	-42.63	-159.28	2.69	-63.47	-0.32
			C201	-1090.04	-58.37	-216.88	3.99	-87.63	-0.99
			C202	-1121.73	-61.60	-224.56	4.18	-90.80	-1.07
			C203	-725.58	-40.50	-146.93	2.92	-59.48	-0.82
			C204	-757.28	-43.73	-154.60	3.10	-62.65	-0.89
			C205	-371.72	13.90	-43.27	-0.16	-15.95	0.77
			C206	-403.41	10.67	-50.94	0.02	-19.11	0.70
			C207	-164.73	15.09	-11.81	-0.29	-3.72	0.54
			C208	-196.43	11.86	-19.48	-0.10	-6.88	0.46
			C209	-224.02	17.90	-43.00	0.43	-17.19	0.04
			C210	-263.55	14.03	-49.69	0.59	-19.84	0.01
			C211	-41.38	18.63	-10.24	0.14	-4.15	-0.03
			C212	-80.92	14.77	-16.93	0.29	-6.80	-0.06
			C213	-1165.62	-59.59	-206.72	3.29	-82.36	-0.31
			C214	-1205.16	-63.46	-213.41	3.45	-85.01	-0.34
			C215	-798.24	-41.98	-141.87	2.43	-56.54	-0.30
			C216	-837.78	-45.84	-148.56	2.59	-59.19	-0.33
			C301	-977.09	-54.80	-196.59	3.68	-79.54	-0.96
			C302	-1008.79	-58.03	-204.26	3.86	-82.71	-1.04
			C303	-612.64	-36.92	-126.63	2.60	-51.39	-0.79
			C304	-644.33	-40.15	-134.30	2.78	-54.56	-0.86
			C305	-258.77	17.47	-22.97	-0.48	-7.85	0.80
			C306	-290.47	14.24	-30.64	-0.30	-11.02	0.73

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C307	-51.79	18.66	8.49	-0.60	4.37	0.57
			C308	-83.48	15.44	0.82	-0.42	1.21	0.49
			C309	-111.07	21.47	-22.71	0.11	-9.10	0.06
			C310	-150.61	17.61	-29.39	0.27	-11.75	0.04
			C311	71.56	22.21	10.05	-0.18	3.95	-0.00
			C312	32.03	18.35	3.37	-0.02	1.29	-0.03
			C313	-1052.68	-56.02	-186.43	2.97	-74.27	-0.28
			C314	-1092.21	-59.88	-193.11	3.13	-76.92	-0.31
			C315	-685.29	-38.40	-121.57	2.11	-48.45	-0.27
			C316	-724.83	-42.26	-128.26	2.27	-51.10	-0.30
205- 225	205	DUM	C101	-493.48	4.26	71.31	-0.99	-28.82	-0.68
			C102	-494.71	4.40	66.99	-1.11	-27.12	-0.68
			C103	-388.60	1.81	57.86	-0.68	-23.38	-0.63
			C104	-389.82	1.94	53.55	-0.80	-21.67	-0.64
			C105	-455.73	0.63	169.05	1.86	-67.38	-0.50
			C106	-456.95	0.76	164.73	1.74	-65.68	-0.50
			C107	-355.34	-1.09	131.94	1.51	-52.60	-0.48
			C108	-356.56	-0.96	127.63	1.38	-50.89	-0.49
			C109	-428.30	2.07	108.11	0.51	-43.30	-1.67
			C110	-429.20	1.73	108.55	0.50	-43.47	-1.55
			C111	-330.60	0.18	83.47	0.45	-33.44	-1.40
			C112	-331.49	-0.16	83.92	0.45	-33.61	-1.28
			C113	-498.15	2.82	121.80	0.23	-48.75	0.38
			C114	-499.05	2.49	122.25	0.23	-48.93	0.50
			C115	-398.28	0.70	97.78	0.25	-39.14	0.17
			C116	-399.17	0.36	98.23	0.25	-39.32	0.28
			C201	-449.48	4.95	42.39	-1.52	-17.34	-0.63
			C202	-451.13	5.13	36.57	-1.69	-15.04	-0.63
			C203	-307.89	1.64	24.24	-1.10	-9.99	-0.56
			C204	-309.54	1.82	18.42	-1.27	-7.69	-0.57
			C205	-398.52	0.04	174.34	2.33	-69.40	-0.38
			C206	-400.17	0.22	168.52	2.16	-67.10	-0.38
			C207	-262.99	-2.27	124.25	1.85	-49.44	-0.36
			C208	-264.64	-2.10	118.43	1.69	-47.14	-0.37
			C209	-361.49	1.99	92.07	0.50	-36.88	-1.96
			C210	-362.70	1.53	92.68	0.50	-37.12	-1.80
			C211	-229.59	-0.56	58.82	0.42	-23.57	-1.60
			C212	-230.80	-1.02	59.42	0.42	-23.81	-1.44
			C213	-455.78	3.01	110.56	0.13	-44.25	0.80
			C214	-456.99	2.55	111.16	0.13	-44.48	0.96
			C215	-320.96	0.14	78.14	0.16	-31.27	0.52
			C216	-322.17	-0.31	78.74	0.16	-31.51	0.67
			C301	-383.31	4.71	25.95	-1.58	-10.76	-0.54
			C302	-384.96	4.89	20.12	-1.74	-8.46	-0.54
			C303	-241.72	1.40	7.79	-1.16	-3.41	-0.48
			C304	-243.37	1.57	1.97	-1.32	-1.11	-0.48
			C305	-332.34	-0.20	157.89	2.27	-62.81	-0.29
			C306	-333.99	-0.02	152.07	2.11	-60.51	-0.29
			C307	-196.82	-2.52	107.80	1.79	-42.85	-0.27
			C308	-198.47	-2.34	101.98	1.63	-40.55	-0.28
			C309	-295.32	1.74	75.63	0.45	-30.30	-1.87
			C310	-296.52	1.29	76.23	0.44	-30.54	-1.72
			C311	-163.42	-0.81	42.37	0.37	-16.99	-1.51
			C312	-164.62	-1.26	42.97	0.36	-17.22	-1.35
			C313	-389.61	2.76	94.11	0.08	-37.66	0.89
			C314	-390.82	2.31	94.71	0.07	-37.90	1.05
			C315	-254.78	-0.11	61.69	0.10	-24.69	0.60
			C316	-255.99	-0.56	62.29	0.10	-24.92	0.76
	225		C101	-493.48	4.26	71.31	-0.99	28.22	2.73
			C102	-494.71	4.40	66.99	-1.11	26.47	2.84
			C103	-388.60	1.81	57.86	-0.68	22.91	0.82
			C104	-389.82	1.94	53.55	-0.80	21.16	0.92
			C105	-455.73	0.63	169.05	1.86	67.86	0.01
			C106	-456.95	0.76	164.73	1.74	66.11	0.11
			C107	-355.34	-1.09	131.94	1.51	52.96	-1.35
			C108	-356.56	-0.96	127.63	1.38	51.21	-1.25
			C109	-428.30	2.07	108.11	0.51	43.19	-0.01
			C110	-429.20	1.73	108.55	0.50	43.37	-0.17
			C111	-330.60	0.18	83.47	0.45	33.34	-1.25
			C112	-331.49	-0.16	83.92	0.45	33.52	-1.41
			C113	-498.15	2.82	121.80	0.23	48.69	2.64
			C114	-499.05	2.49	122.25	0.23	48.87	2.49
			C115	-398.28	0.70	97.78	0.25	39.08	0.73
			C116	-399.17	0.36	98.23	0.25	39.26	0.57
			C201	-449.48	4.95	42.39	-1.52	16.57	3.34
			C202	-451.13	5.13	36.57	-1.69	14.21	3.48
			C203	-307.89	1.64	24.24	-1.10	9.40	0.75
			C204	-309.54	1.82	18.42	-1.27	7.04	0.89
			C205	-398.52	0.04	174.34	2.33	70.08	-0.35
			C206	-400.17	0.22	168.52	2.16	67.72	-0.21
			C207	-262.99	-2.27	124.25	1.85	49.96	-2.18
			C208	-264.64	-2.10	118.43	1.69	47.60	-2.04
			C209	-361.49	1.99	92.07	0.50	36.77	-0.37
			C210	-362.70	1.53	92.68	0.50	37.02	-0.58
			C211	-229.59	-0.56	58.82	0.42	23.48	-2.05

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C212	-230.80	-1.02	59.42	0.42	23.73	-2.25
			C213	-455.78	3.01	110.56	0.13	44.20	3.21
			C214	-456.99	2.55	111.16	0.13	44.45	3.00
			C215	-320.96	0.14	78.14	0.16	31.24	0.63
			C216	-322.17	-0.31	78.74	0.16	31.48	0.42
			C301	-383.31	4.71	25.95	-1.58	10.00	3.23
			C302	-384.96	4.89	20.12	-1.74	7.64	3.37
			C303	-241.72	1.40	7.79	-1.16	2.83	0.64
			C304	-243.37	1.57	1.97	-1.32	0.47	0.78
			C305	-332.34	-0.20	157.89	2.27	63.50	-0.45
			C306	-333.99	-0.02	152.07	2.11	61.14	-0.31
			C307	-196.82	-2.52	107.80	1.79	43.39	-2.29
			C308	-198.47	-2.34	101.98	1.63	41.03	-2.15
			C309	-295.32	1.74	75.63	0.45	30.20	-0.48
			C310	-296.52	1.29	76.23	0.44	30.45	-0.68
			C311	-163.42	-0.81	42.37	0.37	16.91	-2.15
			C312	-164.62	-1.26	42.97	0.36	17.15	-2.36
			C313	-389.61	2.76	94.11	0.08	37.63	3.10
			C314	-390.82	2.31	94.71	0.07	37.87	2.89
			C315	-254.78	-0.11	61.69	0.10	24.66	0.52
			C316	-255.99	-0.56	62.29	0.10	24.91	0.31
210- 310	210	DUM	C101	-664.53	3.26	208.51	1.88	-83.25	-0.65
			C102	-682.21	3.55	217.82	2.02	-86.95	-0.67
			C103	-522.84	0.47	165.84	1.64	-66.21	-0.57
			C104	-540.53	0.76	175.15	1.77	-69.91	-0.60
			C105	-275.06	-3.07	10.04	-0.99	-4.36	-0.26
			C106	-292.75	-2.78	19.35	-0.85	-8.06	-0.28
			C107	-217.43	-4.55	11.73	-0.57	-4.95	-0.26
			C108	-235.12	-4.26	21.04	-0.43	-8.65	-0.28
			C109	-481.12	-0.03	103.98	0.13	-41.70	0.63
			C110	-482.60	0.32	105.54	0.17	-42.32	0.52
			C111	-386.94	-2.18	86.93	0.30	-34.85	0.42
			C112	-388.43	-1.83	88.49	0.34	-35.47	0.31
			C113	-452.25	-0.32	117.72	0.88	-47.14	-1.43
			C114	-453.74	0.03	119.28	0.92	-47.76	-1.55
			C115	-354.58	-2.28	95.32	0.87	-38.16	-1.16
			C116	-356.07	-1.93	96.89	0.92	-38.78	-1.27
			C201	-678.01	4.75	228.62	2.26	-91.20	-0.65
			C202	-701.89	5.15	241.19	2.45	-96.20	-0.68
			C203	-486.73	0.98	171.02	1.93	-68.20	-0.55
			C204	-510.61	1.38	183.59	2.12	-73.20	-0.58
			C205	-152.23	-3.79	-39.31	-1.61	15.30	-0.12
			C206	-176.11	-3.40	-26.74	-1.43	10.31	-0.15
			C207	-74.43	-5.80	-37.03	-1.05	14.50	-0.12
			C208	-98.31	-5.40	-24.46	-0.86	9.50	-0.15
			C209	-430.41	0.31	87.50	-0.10	-35.11	1.08
			C210	-432.42	0.79	89.61	-0.04	-35.95	0.92
			C211	-303.27	-2.59	64.48	0.13	-25.86	0.80
			C212	-305.28	-2.11	66.59	0.18	-26.70	0.64
			C213	-391.44	-0.08	106.05	0.90	-42.45	-1.71
			C214	-393.45	0.40	108.16	0.96	-43.29	-1.87
			C215	-259.59	-2.73	75.82	0.90	-30.33	-1.34
			C216	-261.60	-2.25	77.93	0.96	-31.17	-1.49
			C301	-611.11	4.86	212.48	2.18	-84.73	-0.58
			C302	-634.99	5.25	225.05	2.36	-89.73	-0.61
			C303	-419.83	1.09	154.88	1.85	-61.74	-0.48
			C304	-443.71	1.49	167.44	2.03	-66.73	-0.51
			C305	-85.33	-3.69	-55.46	-1.70	21.77	-0.05
			C306	-109.21	-3.29	-42.89	-1.51	16.77	-0.08
			C307	-7.53	-5.69	-53.17	-1.13	20.97	-0.05
			C308	-31.41	-5.29	-40.61	-0.95	15.97	-0.08
			C309	-363.50	0.41	71.36	-0.18	-28.64	1.15
			C310	-365.51	0.89	73.46	-0.13	-29.48	0.99
			C311	-236.37	-2.49	48.34	0.04	-19.40	0.87
			C312	-238.37	-2.01	50.45	0.10	-20.23	0.71
			C313	-324.54	0.03	89.91	0.82	-35.98	-1.64
			C314	-326.55	0.50	92.02	0.87	-36.82	-1.80
			C315	-192.69	-2.62	59.67	0.82	-23.87	-1.27
			C316	-194.70	-2.14	61.78	0.87	-24.70	-1.42
	310		C101	-664.53	3.26	208.51	1.88	83.56	1.96
			C102	-682.21	3.55	217.82	2.02	87.31	2.17
			C103	-522.84	0.47	165.84	1.64	66.46	-0.20
			C104	-540.53	0.76	175.15	1.77	70.21	0.02
			C105	-275.06	-3.07	10.04	-0.99	3.68	-2.71
			C106	-292.75	-2.78	19.35	-0.85	7.42	-2.50
			C107	-217.43	-4.55	11.73	-0.57	4.44	-3.90
			C108	-235.12	-4.26	21.04	-0.43	8.18	-3.69
			C109	-481.12	-0.03	103.98	0.13	41.48	0.61
			C110	-482.60	0.32	105.54	0.17	42.11	0.77
			C111	-386.94	-2.18	86.93	0.30	34.69	-1.32
			C112	-388.43	-1.83	88.49	0.34	35.32	-1.15
			C113	-452.25	-0.32	117.72	0.88	47.04	-1.69
			C114	-453.74	0.03	119.28	0.92	47.67	-1.52
			C115	-354.58	-2.28	95.32	0.87	38.10	-2.98
			C116	-356.07	-1.93	96.89	0.92	38.73	-2.82

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C201	-678.01	4.75	228.62	2.26	91.70	3.15
			C202	-701.89	5.15	241.19	2.45	96.76	3.44
			C203	-486.73	0.98	171.02	1.93	68.61	0.24
			C204	-510.61	1.38	183.59	2.12	73.67	0.53
			C205	-152.23	-3.79	-39.31	-1.61	-16.15	-3.16
			C206	-176.11	-3.40	-26.74	-1.43	-11.09	-2.87
			C207	-74.43	-5.80	-37.03	-1.05	-15.12	-4.76
			C208	-98.31	-5.40	-24.46	-0.86	-10.07	-4.47
			C209	-430.41	0.31	87.50	-0.10	34.89	1.33
			C210	-432.42	0.79	89.61	-0.04	35.74	1.55
			C211	-303.27	-2.59	64.48	0.13	25.72	-1.28
			C212	-305.28	-2.11	66.59	0.18	26.57	-1.05
			C213	-391.44	-0.08	106.05	0.90	42.39	-1.78
			C214	-393.45	0.40	108.16	0.96	43.24	-1.55
			C215	-259.59	-2.73	75.82	0.90	30.32	-3.52
			C216	-261.60	-2.25	77.93	0.96	31.17	-3.29
			C301	-611.11	4.86	212.48	2.18	85.25	3.30
			C302	-634.99	5.25	225.05	2.36	90.31	3.59
			C303	-419.83	1.09	154.88	1.85	62.16	0.39
			C304	-443.71	1.49	167.44	2.03	67.22	0.68
			C305	-85.33	-3.69	-55.46	-1.70	-22.60	-3.00
			C306	-109.21	-3.29	-42.89	-1.51	-17.54	-2.71
			C307	-7.53	-5.69	-53.17	-1.13	-21.57	-4.61
			C308	-31.41	-5.29	-40.61	-0.95	-16.51	-4.32
			C309	-363.50	0.41	71.36	-0.18	28.44	1.48
			C310	-365.51	0.89	73.46	-0.13	29.29	1.71
			C311	-236.37	-2.49	48.34	0.04	19.27	-1.12
			C312	-238.37	-2.01	50.45	0.10	20.12	-0.90
			C313	-324.54	0.03	89.91	0.82	35.94	-1.62
			C314	-326.55	0.50	92.02	0.87	36.79	-1.40
			C315	-192.69	-2.62	59.67	0.82	23.87	-3.37
			C316	-194.70	-2.14	61.78	0.87	24.72	-3.14
215-	311	215	DUM C101	-760.45	-17.20	180.22	2.34	-71.70	2.20
			C102	-783.52	-18.34	185.50	2.62	-73.77	2.30
			C103	-575.91	-15.49	136.66	1.96	-54.35	1.62
			C104	-598.99	-16.63	141.93	2.25	-56.42	1.73
			C105	-238.15	7.24	62.48	-3.66	-25.58	-0.24
			C106	-261.22	6.09	67.75	-3.38	-27.64	-0.13
			C107	-168.97	3.21	44.71	-2.64	-18.32	-0.25
			C108	-192.05	2.07	49.98	-2.36	-20.39	-0.14
			C109	-710.46	-6.90	169.11	-0.79	-67.79	2.47
			C110	-692.90	-6.53	165.19	-0.75	-66.21	2.33
			C111	-546.19	-7.85	130.10	-0.43	-52.14	1.87
			C112	-528.64	-7.49	126.18	-0.39	-50.56	1.73
			C113	-300.23	-4.84	75.89	-0.22	-30.37	-0.33
			C114	-282.68	-4.47	71.96	-0.18	-28.79	-0.47
			C115	-220.29	-6.10	55.87	0.05	-22.33	-0.30
			C116	-202.73	-5.74	51.94	0.09	-20.75	-0.44
			C201	-797.30	-20.17	187.62	3.35	-74.49	2.51
			C202	-828.45	-21.71	194.74	3.73	-77.28	2.66
			C203	-548.18	-17.85	128.81	2.84	-51.07	1.73
			C204	-579.33	-19.40	135.93	3.22	-53.86	1.88
			C205	-92.20	12.82	28.66	-4.76	-12.23	-0.78
			C206	-123.35	11.28	35.78	-4.37	-15.01	-0.63
			C207	1.19	7.39	4.67	-3.38	-2.43	-0.80
			C208	-29.96	5.85	11.79	-2.99	-5.22	-0.65
			C209	-729.81	-6.26	172.62	-0.88	-69.22	2.88
			C210	-706.11	-5.76	167.32	-0.82	-67.08	2.69
			C211	-508.06	-7.55	119.95	-0.40	-48.08	2.07
			C212	-484.36	-7.05	114.65	-0.34	-45.95	1.89
			C213	-176.01	-3.48	46.77	-0.10	-18.69	-0.91
			C214	-152.31	-2.98	41.47	-0.05	-16.56	-1.09
			C215	-68.09	-5.19	19.74	0.25	-7.85	-0.86
			C216	-44.39	-4.69	14.44	0.31	-5.71	-1.05
			C301	-727.29	-19.24	170.62	3.41	-67.68	2.37
			C302	-758.43	-20.78	177.74	3.79	-70.47	2.52
			C303	-478.16	-16.92	111.81	2.90	-44.26	1.59
			C304	-509.31	-18.47	118.93	3.28	-47.05	1.74
			C305	-22.18	13.76	11.66	-4.70	-5.42	-0.92
			C306	-53.33	12.21	18.77	-4.31	-8.20	-0.77
			C307	71.21	8.32	-12.33	-3.32	4.38	-0.93
			C308	40.06	6.78	-5.21	-2.93	1.59	-0.79
			C309	-659.80	-5.33	155.62	-0.82	-62.41	2.74
			C310	-636.10	-4.83	150.32	-0.77	-60.27	2.56
			C311	-438.04	-6.61	102.95	-0.34	-41.27	1.94
			C312	-414.34	-6.12	97.65	-0.28	-39.14	1.75
			C313	-106.00	-2.54	29.76	-0.04	-11.88	-1.04
			C314	-82.29	-2.05	24.46	0.01	-9.75	-1.23
			C315	1.93	-4.25	2.73	0.31	-1.04	-1.00
			C316	25.63	-3.76	-2.57	0.37	1.10	-1.19
		311	C101	-760.45	-17.20	180.22	2.34	72.48	-11.56
			C102	-783.52	-18.34	185.50	2.62	74.63	-12.37
			C103	-575.91	-15.49	136.66	1.96	54.98	-10.77
			C104	-598.99	-16.63	141.93	2.25	57.13	-11.58
			C105	-238.15	7.24	62.48	-3.66	24.40	5.55

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

		C106	-261.22	6.09	67.75	-3.38	26.55	4.74
		C107	-168.97	3.21	44.71	-2.64	17.44	2.32
		C108	-192.05	2.07	49.98	-2.36	19.60	1.51
		C109	-710.46	-6.90	169.11	-0.79	67.50	-3.05
		C110	-692.90	-6.53	165.19	-0.75	65.93	-2.89
		C111	-546.19	-7.85	130.10	-0.43	51.94	-4.41
		C112	-528.64	-7.49	126.18	-0.39	50.38	-4.26
		C113	-300.23	-4.84	75.89	-0.22	30.34	-4.20
		C114	-282.68	-4.47	71.96	-0.18	28.78	-4.05
		C115	-220.29	-6.10	55.87	0.05	22.36	-5.18
		C116	-202.73	-5.74	51.94	0.09	20.80	-5.03
		C201	-797.30	-20.17	187.62	3.35	75.60	-13.62
		C202	-828.45	-21.71	194.74	3.73	78.51	-14.71
		C203	-548.18	-17.85	128.81	2.84	51.98	-12.55
		C204	-579.33	-19.40	135.93	3.22	54.88	-13.64
		C205	-92.20	12.82	28.66	-4.76	10.70	9.48
		C206	-123.35	11.28	35.78	-4.37	13.61	8.39
		C207	1.19	7.39	4.67	-3.38	1.31	5.12
		C208	-29.96	5.85	11.79	-2.99	4.21	4.03
		C209	-729.81	-6.26	172.62	-0.88	68.88	-2.12
		C210	-706.11	-5.76	167.32	-0.82	66.77	-1.92
		C211	-508.06	-7.55	119.95	-0.40	47.88	-3.96
		C212	-484.36	-7.05	114.65	-0.34	45.77	-3.76
		C213	-176.01	-3.48	46.77	-0.10	18.72	-3.69
		C214	-152.31	-2.98	41.47	-0.05	16.62	-3.48
		C215	-68.09	-5.19	19.74	0.25	7.94	-5.01
		C216	-44.39	-4.69	14.44	0.31	5.83	-4.80
		C301	-727.29	-19.24	170.62	3.41	68.81	-13.02
		C302	-758.43	-20.78	177.74	3.79	71.72	-14.11
		C303	-478.16	-16.92	111.81	2.90	45.18	-11.94
		C304	-509.31	-18.47	118.93	3.28	48.09	-13.03
		C305	-22.18	13.76	11.66	-4.70	3.91	10.09
		C306	-53.33	12.21	18.77	-4.31	6.82	9.00
		C307	71.21	8.32	-12.33	-3.32	-5.49	5.73
		C308	40.06	6.78	-5.21	-2.93	-2.58	4.64
		C309	-659.80	-5.33	155.62	-0.82	62.09	-1.52
		C310	-636.10	-4.83	150.32	-0.77	59.98	-1.31
		C311	-438.04	-6.61	102.95	-0.34	41.09	-3.36
		C312	-414.34	-6.12	97.65	-0.28	38.98	-3.15
		C313	-106.00	-2.54	29.76	-0.04	11.93	-3.08
		C314	-82.29	-2.05	24.46	0.01	9.82	-2.87
		C315	1.93	-4.25	2.73	0.31	1.15	-4.40
		C316	25.63	-3.76	-2.57	0.37	-0.96	-4.20
216- 314	216 DUM	C101	-506.05	2.86	-73.73	0.89	29.80	-0.62
		C102	-507.13	3.04	-68.85	1.02	27.88	-0.63
		C103	-396.53	0.31	-58.51	0.60	23.65	-0.56
		C104	-397.61	0.48	-53.63	0.73	21.72	-0.57
		C105	-463.18	-0.96	-171.11	-1.98	68.21	-0.41
		C106	-464.26	-0.79	-166.23	-1.85	66.28	-0.42
		C107	-357.88	-2.79	-132.12	-1.61	52.67	-0.39
		C108	-358.96	-2.61	-127.23	-1.48	50.75	-0.40
		C109	-502.30	0.87	-122.55	-0.34	49.06	0.57
		C110	-501.47	1.21	-122.13	-0.34	48.89	0.45
		C111	-397.90	-1.35	-96.77	-0.34	38.75	0.36
		C112	-397.07	-1.01	-96.35	-0.34	38.58	0.25
		C113	-444.68	0.37	-111.73	-0.61	44.75	-1.48
		C114	-443.85	0.71	-111.31	-0.61	44.59	-1.60
		C115	-342.32	-1.62	-85.32	-0.53	34.19	-1.20
		C116	-341.48	-1.29	-84.90	-0.54	34.02	-1.32
		C201	-462.50	3.83	-45.09	1.43	18.43	-0.58
		C202	-463.95	4.06	-38.50	1.61	15.83	-0.60
		C203	-314.65	0.37	-24.53	1.04	10.12	-0.50
		C204	-316.11	0.61	-17.94	1.22	7.52	-0.52
		C205	-404.63	-1.34	-176.55	-2.44	70.28	-0.30
		C206	-406.08	-1.10	-169.96	-2.26	67.68	-0.32
		C207	-262.47	-3.80	-123.90	-1.94	49.30	-0.27
		C208	-263.93	-3.57	-117.32	-1.76	46.70	-0.29
		C209	-457.43	1.14	-111.00	-0.22	44.42	1.02
		C210	-456.31	1.60	-110.43	-0.23	44.20	0.87
		C211	-316.50	-1.86	-76.19	-0.22	30.50	0.74
		C212	-315.37	-1.41	-75.63	-0.23	30.28	0.59
		C213	-379.65	0.47	-96.38	-0.59	38.61	-1.75
		C214	-378.53	0.92	-95.82	-0.59	38.39	-1.90
		C215	-241.46	-2.23	-60.73	-0.49	24.35	-1.37
		C216	-240.33	-1.77	-60.17	-0.49	24.13	-1.53
		C301	-395.12	3.82	-28.46	1.50	11.77	-0.50
		C302	-396.57	4.05	-21.87	1.69	9.17	-0.52
		C303	-247.27	0.36	-7.91	1.11	3.46	-0.43
		C304	-248.73	0.60	-1.32	1.29	0.86	-0.44
		C305	-337.25	-1.35	-159.92	-2.37	63.62	-0.22
		C306	-338.70	-1.11	-153.33	-2.19	61.02	-0.24
		C307	-195.09	-3.81	-107.28	-1.87	42.65	-0.19
		C308	-196.55	-3.58	-100.69	-1.69	40.04	-0.21
		C309	-390.05	1.13	-94.37	-0.15	37.76	1.10
		C310	-388.93	1.58	-93.80	-0.16	37.54	0.94

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C311	-249.12	-1.87	-59.57	-0.15	23.84	0.82
			C312	-247.99	-1.42	-59.00	-0.16	23.62	0.67
			C313	-312.27	0.45	-79.76	-0.52	31.95	-1.67
			C314	-311.15	0.91	-79.19	-0.52	31.73	-1.83
			C315	-174.08	-2.24	-44.11	-0.41	17.69	-1.29
			C316	-172.95	-1.79	-43.54	-0.42	17.47	-1.45
	314		C101	-506.05	2.86	-73.73	0.89	-29.18	1.68
			C102	-507.13	3.04	-68.85	1.02	-27.20	1.80
			C103	-396.53	0.31	-58.51	0.60	-23.16	-0.31
			C104	-397.61	0.48	-53.63	0.73	-21.18	-0.19
			C105	-463.18	-0.96	-171.11	-1.98	-68.68	-1.18
			C106	-464.26	-0.79	-166.23	-1.85	-66.70	-1.05
			C107	-357.88	-2.79	-132.12	-1.61	-53.02	-2.62
			C108	-358.96	-2.61	-127.23	-1.48	-51.04	-2.49
			C109	-502.30	0.87	-122.55	-0.34	-48.98	1.27
			C110	-501.47	1.21	-122.13	-0.34	-48.81	1.42
			C111	-397.90	-1.35	-96.77	-0.34	-38.67	-0.72
			C112	-397.07	-1.01	-96.35	-0.34	-38.50	-0.56
			C113	-444.68	0.37	-111.73	-0.61	-44.63	-1.18
			C114	-443.85	0.71	-111.31	-0.61	-44.46	-1.03
			C115	-342.32	-1.62	-85.32	-0.53	-34.07	-2.50
			C116	-341.48	-1.29	-84.90	-0.54	-33.90	-2.35
			C201	-462.50	3.83	-45.09	1.43	-17.64	2.49
			C202	-463.95	4.06	-38.50	1.61	-14.97	2.65
			C203	-314.65	0.37	-24.53	1.04	-9.51	-0.20
			C204	-316.11	0.61	-17.94	1.22	-6.84	-0.03
			C205	-404.63	-1.34	-176.55	-2.44	-70.96	-1.37
			C206	-406.08	-1.10	-169.96	-2.26	-68.29	-1.20
			C207	-262.47	-3.80	-123.90	-1.94	-49.82	-3.31
			C208	-263.93	-3.57	-117.32	-1.76	-47.15	-3.14
			C209	-457.43	1.14	-111.00	-0.22	-44.37	1.93
			C210	-456.31	1.60	-110.43	-0.23	-44.14	2.14
			C211	-316.50	-1.86	-76.19	-0.22	-30.45	-0.74
			C212	-315.37	-1.41	-75.63	-0.23	-30.22	-0.54
			C213	-379.65	0.47	-96.38	-0.59	-38.49	-1.38
			C214	-378.53	0.92	-95.82	-0.59	-38.26	-1.17
			C215	-241.46	-2.23	-60.73	-0.49	-24.24	-3.15
			C216	-240.33	-1.77	-60.17	-0.49	-24.01	-2.95
			C301	-395.12	3.82	-28.46	1.50	-11.00	2.55
			C302	-396.57	4.05	-21.87	1.69	-8.33	2.72
			C303	-247.27	0.36	-7.91	1.11	-2.86	-0.13
			C304	-248.73	0.60	-1.32	1.29	-0.19	0.03
			C305	-337.25	-1.35	-159.92	-2.37	-64.32	-1.30
			C306	-338.70	-1.11	-153.33	-2.19	-61.65	-1.13
			C307	-195.09	-3.81	-107.28	-1.87	-43.18	-3.24
			C308	-196.55	-3.58	-100.69	-1.69	-40.51	-3.07
			C309	-390.05	1.13	-94.37	-0.15	-37.73	2.00
			C310	-388.93	1.58	-93.80	-0.16	-37.50	2.21
			C311	-249.12	-1.87	-59.57	-0.15	-23.81	-0.68
			C312	-247.99	-1.42	-59.00	-0.16	-23.58	-0.47
			C313	-312.27	0.45	-79.76	-0.52	-31.85	-1.31
			C314	-311.15	0.91	-79.19	-0.52	-31.62	-1.10
			C315	-174.08	-2.24	-44.11	-0.41	-17.60	-3.09
			C316	-172.95	-1.79	-43.54	-0.42	-17.37	-2.88
217- 315	217	DUM	C101	-496.14	8.28	-124.91	3.70	50.51	0.25
			C102	-492.19	9.65	-124.31	4.02	50.31	0.17
			C103	-364.46	5.01	-92.32	2.88	37.36	0.06
			C104	-360.51	6.39	-91.72	3.20	37.16	-0.03
			C105	-541.32	-20.52	-126.97	-3.05	50.31	1.89
			C106	-537.37	-19.14	-126.37	-2.73	50.11	1.81
			C107	-394.06	-17.22	-92.75	-2.32	36.74	1.32
			C108	-390.11	-15.84	-92.14	-2.00	36.55	1.23
			C109	-740.24	-9.00	-175.95	0.22	70.42	2.64
			C110	-718.91	-8.29	-171.21	0.27	68.53	2.47
			C111	-559.35	-8.41	-133.33	0.24	53.38	1.92
			C112	-538.02	-7.69	-128.58	0.28	51.48	1.75
			C113	-283.23	-2.58	-72.56	0.69	29.09	-0.50
			C114	-261.90	-1.86	-67.81	0.73	27.19	-0.67
			C115	-195.64	-3.13	-50.87	0.60	20.42	-0.52
			C116	-174.31	-2.41	-46.13	0.64	18.52	-0.69
			C201	-440.29	13.90	-112.72	4.76	45.79	-0.09
			C202	-434.96	15.76	-111.91	5.19	45.53	-0.21
			C203	-262.53	9.50	-68.73	3.66	28.04	-0.36
			C204	-257.20	11.36	-67.91	4.08	27.78	-0.47
			C205	-501.29	-24.97	-115.50	-4.35	45.52	2.12
			C206	-495.96	-23.11	-114.69	-3.92	45.26	2.00
			C207	-302.49	-20.51	-69.30	-3.36	27.21	1.34
			C208	-297.16	-18.65	-68.49	-2.93	26.95	1.23
			C209	-769.83	-9.42	-181.63	0.07	72.68	3.13
			C210	-741.03	-8.45	-175.22	0.13	70.12	2.90
			C211	-525.62	-8.62	-124.08	0.08	49.67	2.16
			C212	-496.83	-7.65	-117.67	0.14	47.11	1.93
			C213	-152.86	-0.75	-42.04	0.70	16.88	-1.11
			C214	-124.06	0.22	-35.64	0.75	14.32	-1.34
			C215	-34.63	-1.50	-12.77	0.57	5.17	-1.14

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C216	-5.83	-0.53	-6.36	0.63	2.62	-1.37
			C301	-370.22	14.74	-95.65	4.69	38.95	-0.23
			C302	-364.88	16.60	-94.84	5.12	38.69	-0.34
			C303	-192.46	10.34	-51.65	3.58	21.20	-0.49
			C304	-187.12	12.20	-50.84	4.01	20.94	-0.60
			C305	-431.22	-24.13	-98.43	-4.42	38.68	1.99
			C306	-425.88	-22.28	-97.62	-4.00	38.42	1.87
			C307	-232.42	-19.67	-52.23	-3.43	20.37	1.21
			C308	-227.08	-17.81	-51.41	-3.01	20.11	1.10
			C309	-699.75	-8.59	-164.56	-0.00	65.84	3.00
			C310	-670.96	-7.62	-158.15	0.06	63.28	2.77
			C311	-455.55	-7.78	-107.01	0.01	42.83	2.03
			C312	-426.75	-6.81	-100.60	0.07	40.27	1.80
			C313	-82.79	0.09	-24.97	0.62	10.04	-1.24
			C314	-53.99	1.06	-18.56	0.68	7.48	-1.47
			C315	35.45	-0.66	4.30	0.50	-1.66	-1.27
			C316	64.25	0.31	10.71	0.56	-4.22	-1.50
	315		C101	-496.14	8.28	-124.91	3.70	-49.42	6.87
			C102	-492.19	9.65	-124.31	4.02	-49.13	7.89
			C103	-364.46	5.01	-92.32	2.88	-36.50	4.07
			C104	-360.51	6.39	-91.72	3.20	-36.21	5.08
			C105	-541.32	-20.52	-126.97	-3.05	-51.27	-14.52
			C106	-537.37	-19.14	-126.37	-2.73	-50.98	-13.51
			C107	-394.06	-17.22	-92.75	-2.32	-37.46	-12.46
			C108	-390.11	-15.84	-92.14	-2.00	-37.17	-11.44
			C109	-740.24	-9.00	-175.95	0.22	-70.34	-4.56
			C110	-718.91	-8.29	-171.21	0.27	-68.44	-4.16
			C111	-559.35	-8.41	-133.33	0.24	-53.28	-4.80
			C112	-538.02	-7.69	-128.58	0.28	-51.38	-4.40
			C113	-283.23	-2.58	-72.56	0.69	-28.96	-2.56
			C114	-261.90	-1.86	-67.81	0.73	-27.06	-2.16
			C115	-195.64	-3.13	-50.87	0.60	-20.28	-3.03
			C116	-174.31	-2.41	-46.13	0.64	-18.38	-2.62
			C201	-440.29	13.90	-112.72	4.76	-44.39	11.03
			C202	-434.96	15.76	-111.91	5.19	-44.00	12.40
			C203	-262.53	9.50	-68.73	3.66	-26.94	7.24
			C204	-257.20	11.36	-67.91	4.08	-26.55	8.62
			C205	-501.29	-24.97	-115.50	-4.35	-46.88	-17.86
			C206	-495.96	-23.11	-114.69	-3.92	-46.49	-16.48
			C207	-302.49	-20.51	-69.30	-3.36	-28.23	-15.06
			C208	-297.16	-18.65	-68.49	-2.93	-27.84	-13.69
			C209	-769.83	-9.42	-181.63	0.07	-72.62	-4.41
			C210	-741.03	-8.45	-175.22	0.13	-70.06	-3.86
			C211	-525.62	-8.62	-124.08	0.08	-49.60	-4.73
			C212	-496.83	-7.65	-117.67	0.14	-47.03	-4.18
			C213	-152.86	-0.75	-42.04	0.70	-16.76	-1.71
			C214	-124.06	0.22	-35.64	0.75	-14.19	-1.16
			C215	-34.63	-1.50	-12.77	0.57	-5.04	-2.34
			C216	-5.83	-0.53	-6.36	0.63	-2.48	-1.79
			C301	-370.22	14.74	-95.65	4.69	-37.57	11.56
			C302	-364.88	16.60	-94.84	5.12	-37.18	12.94
			C303	-192.46	10.34	-51.65	3.58	-20.12	7.78
			C304	-187.12	12.20	-50.84	4.01	-19.73	9.15
			C305	-431.22	-24.13	-98.43	-4.42	-40.06	-17.32
			C306	-425.88	-22.28	-97.62	-4.00	-39.67	-15.95
			C307	-232.42	-19.67	-52.23	-3.43	-21.41	-14.53
			C308	-227.08	-17.81	-51.41	-3.01	-21.02	-13.16
			C309	-699.75	-8.59	-164.56	-0.00	-65.80	-3.87
			C310	-670.96	-7.62	-158.15	0.06	-63.24	-3.32
			C311	-455.55	-7.78	-107.01	0.01	-42.78	-4.20
			C312	-426.75	-6.81	-100.60	0.07	-40.21	-3.65
			C313	-82.79	0.09	-24.97	0.62	-9.94	-1.17
			C314	-53.99	1.06	-18.56	0.68	-7.37	-0.62
			C315	35.45	-0.66	4.30	0.50	1.78	-1.80
			C316	64.25	0.31	10.71	0.56	4.34	-1.25
218- 226	218	DUM	C101	-477.96	9.51	120.78	-3.76	-48.85	0.17
			C102	-476.40	10.69	120.69	-4.04	-48.85	0.10
			C103	-351.12	6.14	89.33	-2.90	-36.15	-0.02
			C104	-349.56	7.32	89.24	-3.19	-36.16	-0.08
			C105	-525.41	-18.93	123.50	2.93	-48.92	1.78
			C106	-523.85	-17.75	123.40	2.65	-48.93	1.72
			C107	-383.41	-15.74	90.52	2.23	-35.85	1.22
			C108	-381.85	-14.56	90.42	1.95	-35.85	1.16
			C109	-238.67	-0.58	62.49	-0.79	-25.06	-0.77
			C110	-260.02	-1.30	67.24	-0.75	-26.95	-0.61
			C111	-155.90	-1.24	41.94	-0.67	-16.84	-0.78
			C112	-177.25	-1.96	46.69	-0.62	-18.74	-0.62
			C113	-711.55	-6.96	169.70	-0.34	-67.92	2.41
			C114	-732.90	-7.68	174.45	-0.30	-69.82	2.58
			C115	-535.57	-6.48	128.23	-0.32	-51.34	1.71
			C116	-556.92	-7.19	132.98	-0.28	-53.23	1.87
			C201	-422.62	14.93	108.67	-4.81	-44.17	-0.17
			C202	-420.51	16.53	108.54	-5.19	-44.17	-0.25
			C203	-251.39	10.39	66.22	-3.66	-27.03	-0.41
			C204	-249.28	11.98	66.09	-4.04	-27.03	-0.50

			C205	-486.67	-23.46	112.34	4.22	-44.26	2.01
			C206	-484.57	-21.86	112.21	3.84	-44.27	1.93
			C207	-294.98	-19.16	67.81	3.28	-26.61	1.26
			C208	-292.87	-17.56	67.69	2.89	-26.62	1.17
			C209	-99.58	1.31	29.97	-0.80	-12.05	-1.44
			C210	-128.40	0.34	36.38	-0.75	-14.61	-1.21
			C211	12.17	0.42	2.24	-0.64	-0.95	-1.45
			C212	-16.66	-0.55	8.65	-0.58	-3.51	-1.23
			C213	-737.97	-7.30	174.71	-0.20	-69.91	2.86
			C214	-766.79	-8.27	181.12	-0.14	-72.47	3.08
			C215	-500.39	-6.65	118.73	-0.17	-47.52	1.91
			C216	-529.21	-7.62	125.14	-0.11	-50.08	2.13
			C301	-354.64	15.57	92.06	-4.73	-37.51	-0.29
			C302	-352.54	17.17	91.93	-5.11	-37.52	-0.37
			C303	-183.41	11.03	49.61	-3.58	-20.38	-0.53
			C304	-181.30	12.62	49.48	-3.96	-20.38	-0.62
			C305	-418.70	-22.82	95.73	4.30	-37.61	1.89
			C306	-416.59	-21.22	95.60	3.92	-37.62	1.81
			C307	-227.00	-18.52	51.21	3.36	-19.96	1.14
			C308	-224.90	-16.92	51.08	2.97	-19.97	1.05
			C309	-31.60	1.95	13.36	-0.72	-5.40	-1.56
			C310	-60.42	0.98	19.78	-0.67	-7.96	-1.33
			C311	80.14	1.06	-14.37	-0.56	5.70	-1.57
			C312	51.32	0.09	-7.95	-0.50	3.14	-1.35
			C313	-669.99	-6.66	158.10	-0.12	-63.26	2.74
			C314	-698.82	-7.63	164.52	-0.06	-65.82	2.96
			C315	-432.41	-6.01	102.12	-0.09	-40.87	1.79
			C316	-461.24	-6.98	108.54	-0.03	-43.43	2.01
	226		C101	-477.96	9.51	120.78	-3.76	47.78	7.77
			C102	-476.40	10.69	120.69	-4.04	47.70	8.66
			C103	-351.12	6.14	89.33	-2.90	35.31	4.90
			C104	-349.56	7.32	89.24	-3.19	35.23	5.78
			C105	-525.41	-18.93	123.50	2.93	49.88	-13.36
			C106	-523.85	-17.75	123.40	2.65	49.80	-12.48
			C107	-383.41	-15.74	90.52	2.23	36.57	-11.37
			C108	-381.85	-14.56	90.42	1.95	36.49	-10.49
			C109	-238.67	-0.58	62.49	-0.79	24.93	-1.24
			C110	-260.02	-1.30	67.24	-0.75	26.83	-1.65
			C111	-155.90	-1.24	41.94	-0.67	16.71	-1.77
			C112	-177.25	-1.96	46.69	-0.62	18.62	-2.18
			C113	-711.55	-6.96	169.70	-0.34	67.84	-3.16
			C114	-732.90	-7.68	174.45	-0.30	69.74	-3.56
			C115	-535.57	-6.48	128.23	-0.32	51.25	-3.48
			C116	-556.92	-7.19	132.98	-0.28	53.15	-3.88
			C201	-422.62	14.93	108.67	-4.81	42.77	11.78
			C202	-420.51	16.53	108.54	-5.19	42.66	12.97
			C203	-251.39	10.39	66.22	-3.66	25.95	7.90
			C204	-249.28	11.98	66.09	-4.04	25.84	9.09
			C205	-486.67	-23.46	112.34	4.22	45.60	-16.75
			C206	-484.57	-21.86	112.21	3.84	45.50	-15.56
			C207	-294.98	-19.16	67.81	3.28	27.64	-14.07
			C208	-292.87	-17.56	67.69	2.89	27.53	-12.88
			C209	-99.58	1.31	29.97	-0.80	11.93	-0.39
			C210	-128.40	0.34	36.38	-0.75	14.50	-0.94
			C211	12.17	0.42	2.24	-0.64	0.84	-1.11
			C212	-16.66	-0.55	8.65	-0.58	3.41	-1.66
			C213	-737.97	-7.30	174.71	-0.20	69.85	-2.98
			C214	-766.79	-8.27	181.12	-0.14	72.42	-3.53
			C215	-500.39	-6.65	118.73	-0.17	47.46	-3.41
			C216	-529.21	-7.62	125.14	-0.11	50.03	-3.96
			C301	-354.64	15.57	92.06	-4.73	36.13	12.17
			C302	-352.54	17.17	91.93	-5.11	36.03	13.36
			C303	-183.41	11.03	49.61	-3.58	19.31	8.29
			C304	-181.30	12.62	49.48	-3.96	19.20	9.48
			C305	-418.70	-22.82	95.73	4.30	38.97	-16.36
			C306	-416.59	-21.22	95.60	3.92	38.86	-15.17
			C307	-227.00	-18.52	51.21	3.36	21.00	-13.68
			C308	-224.90	-16.92	51.08	2.97	20.89	-12.49
			C309	-31.60	1.95	13.36	-0.72	5.29	0.00
			C310	-60.42	0.98	19.78	-0.67	7.86	-0.55
			C311	80.14	1.06	-14.37	-0.56	-5.80	-0.72
			C312	51.32	0.09	-7.95	-0.50	-3.23	-1.27
			C313	-669.99	-6.66	158.10	-0.12	63.22	-2.59
			C314	-698.82	-7.63	164.52	-0.06	65.79	-3.14
			C315	-432.41	-6.01	102.12	-0.09	40.82	-3.02
			C316	-461.24	-6.98	108.54	-0.03	43.39	-3.57
219- 312	219	DUM	C101	-896.83	9.70	64.56	1.17	-25.78	-0.33
			C102	-910.74	10.01	71.37	1.28	-28.50	-0.33
			C103	-727.12	2.28	51.41	0.96	-20.53	-0.14
			C104	-741.03	2.58	58.21	1.06	-23.24	-0.15
			C105	-585.31	0.63	-77.28	-1.13	30.86	-0.14
			C106	-599.22	0.94	-70.48	-1.02	28.14	-0.15
			C107	-478.53	-4.82	-57.78	-0.82	23.07	0.00
			C108	-492.45	-4.51	-50.97	-0.71	20.35	-0.00
			C109	-644.44	31.53	-8.96	-0.02	3.58	-1.11

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C110	-654.99	29.42	-8.01	-0.01	3.20	-1.03
	C111	-539.25	19.29	-4.78	0.05	1.91	-0.75
	C112	-549.79	17.18	-3.83	0.06	1.53	-0.68
	C113	-809.97	-20.22	2.81	0.17	-1.13	0.60
	C114	-820.52	-22.34	3.76	0.18	-1.51	0.68
	C115	-649.04	-20.38	4.74	0.20	-1.89	0.56
	C116	-659.59	-22.49	5.69	0.21	-2.27	0.64
	C201	-864.43	11.84	87.95	1.53	-35.12	-0.36
	C202	-883.21	12.26	97.13	1.68	-38.79	-0.37
	C203	-635.32	1.82	70.19	1.24	-28.03	-0.11
	C204	-654.10	2.23	79.37	1.39	-31.69	-0.11
	C205	-443.88	-0.41	-103.55	-1.58	41.34	-0.11
	C206	-462.66	0.01	-94.36	-1.43	37.67	-0.11
	C207	-299.73	-7.76	-77.21	-1.15	30.83	0.09
	C208	-318.51	-7.34	-68.03	-1.00	27.16	0.08
	C209	-523.71	41.31	-11.31	-0.08	4.52	-1.42
	C210	-537.94	38.46	-10.03	-0.06	4.00	-1.31
	C211	-381.69	24.79	-5.66	0.01	2.26	-0.94
	C212	-395.93	21.94	-4.38	0.03	1.75	-0.83
	C213	-747.17	-28.56	4.59	0.18	-1.83	0.89
	C214	-761.41	-31.41	5.87	0.20	-2.35	0.99
	C215	-529.91	-28.77	7.18	0.22	-2.87	0.84
	C216	-544.15	-31.62	8.46	0.24	-3.38	0.94
	C301	-758.70	11.46	88.19	1.52	-35.21	-0.34
	C302	-777.48	11.88	97.38	1.67	-38.88	-0.34
	C303	-529.58	1.43	70.43	1.23	-28.12	-0.08
	C304	-548.36	1.85	79.61	1.37	-31.79	-0.09
	C305	-338.14	-0.79	-103.30	-1.59	41.25	-0.08
	C306	-356.92	-0.38	-94.12	-1.45	37.58	-0.09
	C307	-193.99	-8.14	-76.97	-1.16	30.73	0.11
	C308	-212.77	-7.73	-67.79	-1.02	27.06	0.11
	C309	-417.97	40.93	-11.07	-0.09	4.42	-1.39
	C310	-432.21	38.07	-9.79	-0.07	3.91	-1.29
	C311	-275.95	24.41	-5.42	-0.00	2.16	-0.91
	C312	-290.19	21.55	-4.14	0.02	1.65	-0.80
	C313	-641.43	-28.94	4.83	0.16	-1.93	0.91
	C314	-655.67	-31.80	6.11	0.18	-2.44	1.02
	C315	-424.17	-29.15	7.42	0.20	-2.97	0.86
	C316	-438.41	-32.01	8.71	0.22	-3.48	0.97
312	C101	-896.83	9.70	64.56	1.17	25.87	7.43
	C102	-910.74	10.01	71.37	1.28	28.60	7.68
	C103	-727.12	2.28	51.41	0.96	20.60	1.68
	C104	-741.03	2.58	58.21	1.06	23.32	1.92
	C105	-585.31	0.63	-77.28	-1.13	-30.97	0.36
	C106	-599.22	0.94	-70.48	-1.02	-28.25	0.60
	C107	-478.53	-4.82	-57.78	-0.82	-23.15	-3.85
	C108	-492.45	-4.51	-50.97	-0.71	-20.43	-3.61
	C109	-644.44	31.53	-8.96	-0.02	-3.59	24.11
	C110	-654.99	29.42	-8.01	-0.01	-3.21	22.50
	C111	-539.25	19.29	-4.78	0.05	-1.92	14.68
	C112	-549.79	17.18	-3.83	0.06	-1.54	13.07
	C113	-809.97	-20.22	2.81	0.17	1.12	-15.58
	C114	-820.52	-22.34	3.76	0.18	1.51	-17.20
	C115	-649.04	-20.38	4.74	0.20	1.90	-15.74
	C116	-659.59	-22.49	5.69	0.21	2.28	-17.36
	C201	-864.43	11.84	87.95	1.53	35.24	9.11
	C202	-883.21	12.26	97.13	1.68	38.92	9.44
	C203	-635.32	1.82	70.19	1.24	28.12	1.35
	C204	-654.10	2.23	79.37	1.39	31.80	1.67
	C205	-443.88	-0.41	-103.55	-1.58	-41.49	-0.43
	C206	-462.66	0.01	-94.36	-1.43	-37.81	-0.11
	C207	-299.73	-7.76	-77.21	-1.15	-30.94	-6.12
	C208	-318.51	-7.34	-68.03	-1.00	-27.26	-5.79
	C209	-523.71	41.31	-11.31	-0.08	-4.54	31.63
	C210	-537.94	38.46	-10.03	-0.06	-4.02	29.45
	C211	-381.69	24.79	-5.66	0.01	-2.27	18.90
	C212	-395.93	21.94	-4.38	0.03	-1.76	16.72
	C213	-747.17	-28.56	4.59	0.18	1.83	-21.96
	C214	-761.41	-31.41	5.87	0.20	2.35	-24.14
	C215	-529.91	-28.77	7.18	0.22	2.88	-22.18
	C216	-544.15	-31.62	8.46	0.24	3.39	-24.35
	C301	-758.70	11.46	88.19	1.52	35.34	8.83
	C302	-777.48	11.88	97.38	1.67	39.02	9.16
	C303	-529.58	1.43	70.43	1.23	28.22	1.06
	C304	-548.36	1.85	79.61	1.37	31.90	1.39
	C305	-338.14	-0.79	-103.30	-1.59	-41.40	-0.72
	C306	-356.92	-0.38	-94.12	-1.45	-37.72	-0.39
	C307	-193.99	-8.14	-76.97	-1.16	-30.84	-6.40
	C308	-212.77	-7.73	-67.79	-1.02	-27.16	-6.07
	C309	-417.97	40.93	-11.07	-0.09	-4.44	31.35
	C310	-432.21	38.07	-9.79	-0.07	-3.93	29.17
	C311	-275.95	24.41	-5.42	-0.00	-2.17	18.62
	C312	-290.19	21.55	-4.14	0.02	-1.66	16.44
	C313	-641.43	-28.94	4.83	0.16	1.93	-22.24
	C314	-655.67	-31.80	6.11	0.18	2.45	-24.42
	C315	-424.17	-29.15	7.42	0.20	2.97	-22.46

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C316	-438.41	-32.01	8.71	0.22	3.49	-24.64
220-	313	220	DUM	C101	-989.89	2.32	19.02	-3.17	-6.83	-0.06
				C102	-1005.20	2.51	21.08	-3.50	-7.58	-0.07
				C103	-744.17	-3.89	15.26	-2.52	-5.49	0.10
				C104	-759.49	-3.69	17.32	-2.85	-6.23	0.10
				C105	-611.78	-4.28	-22.38	3.80	8.07	0.06
				C106	-627.10	-4.09	-20.32	3.47	7.32	0.06
				C107	-444.85	-9.00	-16.70	2.84	6.02	0.19
				C108	-460.16	-8.80	-14.64	2.51	5.28	0.19
				C109	-1104.35	27.66	-2.47	0.44	0.90	-1.10
				C110	-1077.77	25.33	-2.18	0.39	0.80	-1.00
				C111	-843.90	15.79	-1.20	0.24	0.44	-0.71
				C112	-817.32	13.46	-0.92	0.19	0.34	-0.61
				C113	-492.80	-28.32	1.09	-0.13	-0.39	1.03
				C114	-466.22	-30.65	1.38	-0.17	-0.49	1.13
				C115	-356.06	-26.97	1.68	-0.22	-0.60	0.93
				C116	-329.48	-29.30	1.96	-0.27	-0.70	1.03
				C201	-974.66	4.79	25.79	-4.33	-9.27	-0.12
				C202	-995.34	5.05	28.57	-4.77	-10.28	-0.12
				C203	-642.95	-3.59	20.72	-3.44	-7.45	0.11
				C204	-663.62	-3.33	23.50	-3.88	-8.46	0.11
				C205	-464.22	-4.12	-30.10	5.08	10.84	0.04
				C206	-484.89	-3.86	-27.32	4.64	9.84	0.04
				C207	-238.86	-10.49	-22.43	3.79	8.09	0.23
				C208	-259.53	-10.23	-19.65	3.35	7.08	0.23
				C209	-1129.18	38.99	-3.22	0.55	1.17	-1.52
				C210	-1093.30	35.84	-2.83	0.49	1.03	-1.39
				C211	-777.58	22.97	-1.51	0.28	0.55	-0.98
				C212	-741.70	19.82	-1.12	0.22	0.41	-0.85
				C213	-303.60	-36.58	1.59	-0.22	-0.57	1.36
				C214	-267.71	-39.73	1.98	-0.28	-0.71	1.49
				C215	-119.00	-34.75	2.38	-0.34	-0.86	1.22
				C216	-83.12	-37.90	2.77	-0.40	-1.00	1.35
				C301	-864.22	5.29	25.83	-4.34	-9.29	-0.13
				C302	-884.90	5.55	28.61	-4.78	-10.29	-0.13
				C303	-532.51	-3.09	20.75	-3.45	-7.47	0.10
				C304	-553.18	-2.83	23.53	-3.90	-8.47	0.10
				C305	-353.78	-3.62	-30.06	5.07	10.83	0.03
				C306	-374.45	-3.36	-27.28	4.63	9.82	0.03
				C307	-128.42	-9.99	-22.40	3.78	8.07	0.22
				C308	-149.09	-9.72	-19.62	3.34	7.06	0.22
				C309	-1018.74	39.50	-3.18	0.54	1.16	-1.53
				C310	-982.86	36.35	-2.80	0.47	1.02	-1.39
				C311	-667.14	23.47	-1.47	0.26	0.54	-0.99
				C312	-631.26	20.33	-1.08	0.20	0.40	-0.86
				C313	-193.16	-36.07	1.63	-0.23	-0.58	1.35
				C314	-157.28	-39.22	2.02	-0.29	-0.73	1.48
				C315	-8.56	-34.25	2.41	-0.35	-0.87	1.21
				C316	27.32	-37.39	2.80	-0.41	-1.01	1.34
		313		C101	-989.89	2.32	19.02	-3.17	8.38	1.79
				C102	-1005.20	2.51	21.08	-3.50	9.28	1.95
				C103	-744.17	-3.89	15.26	-2.52	6.72	-3.00
				C104	-759.49	-3.69	17.32	-2.85	7.62	-2.85
				C105	-611.78	-4.28	-22.38	3.80	-9.84	-3.37
				C106	-627.10	-4.09	-20.32	3.47	-8.94	-3.21
				C107	-444.85	-9.00	-16.70	2.84	-7.34	-7.00
				C108	-460.16	-8.80	-14.64	2.51	-6.44	-6.85
				C109	-1104.35	27.66	-2.47	0.44	-1.07	21.02
				C110	-1077.77	25.33	-2.18	0.39	-0.95	19.26
				C111	-843.90	15.79	-1.20	0.24	-0.52	11.93
				C112	-817.32	13.46	-0.92	0.19	-0.39	10.16
				C113	-492.80	-28.32	1.09	-0.13	0.49	-21.63
				C114	-466.22	-30.65	1.38	-0.17	0.61	-23.39
				C115	-356.06	-26.97	1.68	-0.22	0.74	-20.65
				C116	-329.48	-29.30	1.96	-0.27	0.87	-22.41
				C201	-974.66	4.79	25.79	-4.33	11.36	3.71
				C202	-995.34	5.05	28.57	-4.77	12.58	3.92
				C203	-642.95	-3.59	20.72	-3.44	9.12	-2.76
				C204	-663.62	-3.33	23.50	-3.88	10.34	-2.56
				C205	-464.22	-4.12	-30.10	5.08	-13.24	-3.25
				C206	-484.89	-3.86	-27.32	4.64	-12.02	-3.05
				C207	-238.86	-10.49	-22.43	3.79	-9.86	-8.16
				C208	-259.53	-10.23	-19.65	3.35	-8.64	-7.95
				C209	-1129.18	38.99	-3.22	0.55	-1.40	29.67
				C210	-1093.30	35.84	-2.83	0.49	-1.23	27.29
				C211	-777.58	22.97	-1.51	0.28	-0.65	17.39
				C212	-741.70	19.82	-1.12	0.22	-0.48	15.01
				C213	-303.60	-36.58	1.59	-0.22	0.70	-27.91
				C214	-267.71	-39.73	1.98	-0.28	0.87	-30.29
				C215	-119.00	-34.75	2.38	-0.34	1.05	-26.58
				C216	-83.12	-37.90	2.77	-0.40	1.22	-28.96
				C301	-864.22	5.29	25.83	-4.34	11.38	4.10
				C302	-884.90	5.55	28.61	-4.78	12.59	4.31
				C303	-532.51	-3.09	20.75	-3.45	9.14	-2.37
				C304	-553.18	-2.83	23.53	-3.90	10.35	-2.16

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C305	-353.78	-3.62	-30.06	5.07	-13.22	-2.86
			C306	-374.45	-3.36	-27.28	4.63	-12.00	-2.65
			C307	-128.42	-9.99	-22.40	3.78	-9.85	-7.77
			C308	-149.09	-9.72	-19.62	3.34	-8.63	-7.56
			C309	-1018.74	39.50	-3.18	0.54	-1.39	30.07
			C310	-982.86	36.35	-2.80	0.47	-1.22	27.68
			C311	-667.14	23.47	-1.47	0.26	-0.64	17.79
			C312	-631.26	20.33	-1.08	0.20	-0.47	15.40
			C313	-193.16	-36.07	1.63	-0.23	0.72	-27.51
			C314	-157.28	-39.22	2.02	-0.29	0.89	-29.90
			C315	-8.56	-34.25	2.41	-0.35	1.06	-26.19
			C316	27.32	-37.39	2.80	-0.41	1.23	-28.57
221- 229	221	DUM	C101	-649.97	3.62	-203.80	-1.88	81.36	-0.64
			C102	-665.95	3.86	-212.09	-2.00	84.65	-0.65
			C103	-510.75	0.92	-161.05	-1.62	64.30	-0.57
			C104	-526.72	1.16	-169.34	-1.73	67.59	-0.58
			C105	-268.53	-2.50	-8.17	0.97	3.60	-0.27
			C106	-284.51	-2.26	-16.46	0.85	6.90	-0.28
			C107	-213.48	-3.89	-9.76	0.57	4.16	-0.28
			C108	-229.45	-3.65	-18.05	0.45	7.45	-0.29
			C109	-436.59	0.36	-114.11	-0.92	45.69	-1.55
			C110	-435.13	0.00	-112.55	-0.88	45.06	-1.43
			C111	-341.45	-1.51	-91.67	-0.90	36.70	-1.28
			C112	-339.99	-1.87	-90.11	-0.86	36.07	-1.16
			C113	-477.50	0.90	-103.08	-0.17	41.33	0.52
			C114	-476.04	0.55	-101.52	-0.13	40.71	0.63
			C115	-385.63	-1.17	-85.90	-0.32	34.44	0.30
			C116	-384.17	-1.52	-84.34	-0.28	33.82	0.42
			C201	-663.55	5.00	-224.20	-2.26	89.43	-0.63
			C202	-685.11	5.32	-235.38	-2.42	93.87	-0.65
			C203	-475.59	1.35	-166.49	-1.91	66.39	-0.55
			C204	-497.15	1.68	-177.67	-2.07	70.84	-0.56
			C205	-148.61	-3.26	39.90	1.58	-15.54	-0.14
			C206	-170.17	-2.94	28.71	1.42	-11.10	-0.15
			C207	-74.28	-5.14	37.76	1.04	-14.79	-0.16
			C208	-95.84	-4.81	26.57	0.88	-10.35	-0.17
			C209	-375.48	0.59	-103.12	-0.96	41.27	-1.86
			C210	-373.51	0.12	-101.01	-0.91	40.43	-1.70
			C211	-247.04	-1.93	-72.82	-0.94	29.13	-1.50
			C212	-245.08	-2.41	-70.71	-0.88	28.29	-1.34
			C213	-430.70	1.32	-88.23	0.05	35.40	0.92
			C214	-428.74	0.85	-86.12	0.10	34.56	1.08
			C215	-306.68	-1.46	-65.03	-0.16	26.08	0.63
			C216	-304.72	-1.94	-62.92	-0.10	25.24	0.79
			C301	-598.23	5.03	-208.64	-2.17	83.20	-0.57
			C302	-619.79	5.35	-219.83	-2.34	87.64	-0.58
			C303	-410.27	1.39	-150.93	-1.82	60.16	-0.48
			C304	-431.84	1.71	-162.12	-1.98	64.61	-0.49
			C305	-83.29	-3.23	55.45	1.66	-21.77	-0.07
			C306	-104.85	-2.90	44.26	1.50	-17.33	-0.08
			C307	-8.96	-5.11	53.31	1.12	-21.02	-0.09
			C308	-30.52	-4.78	42.12	0.96	-16.58	-0.10
			C309	-310.16	0.62	-87.57	-0.88	35.04	-1.79
			C310	-308.19	0.15	-85.45	-0.82	34.20	-1.64
			C311	-181.73	-1.90	-57.27	-0.86	22.90	-1.43
			C312	-179.76	-2.38	-55.16	-0.80	22.06	-1.27
			C313	-365.39	1.36	-72.68	0.13	29.16	0.99
			C314	-363.42	0.88	-70.57	0.19	28.32	1.15
			C315	-241.37	-1.43	-49.48	-0.07	19.85	0.70
			C316	-239.40	-1.91	-47.37	-0.02	19.01	0.86
	229		C101	-649.97	3.62	-203.80	-1.88	-81.68	2.26
			C102	-665.95	3.86	-212.09	-2.00	-85.02	2.44
			C103	-510.75	0.92	-161.05	-1.62	-64.54	0.16
			C104	-526.72	1.16	-169.34	-1.73	-67.88	0.35
			C105	-268.53	-2.50	-8.17	0.97	-2.94	-2.27
			C106	-284.51	-2.26	-16.46	0.85	-6.27	-2.09
			C107	-213.48	-3.89	-9.76	0.57	-3.65	-3.39
			C108	-229.45	-3.65	-18.05	0.45	-6.99	-3.21
			C109	-436.59	0.36	-114.11	-0.92	-45.60	-1.26
			C110	-435.13	0.00	-112.55	-0.88	-44.97	-1.43
			C111	-341.45	-1.51	-91.67	-0.90	-36.64	-2.49
			C112	-339.99	-1.87	-90.11	-0.86	-36.01	-2.65
			C113	-477.50	0.90	-103.08	-0.17	-41.13	1.24
			C114	-476.04	0.55	-101.52	-0.13	-40.50	1.07
			C115	-385.63	-1.17	-85.90	-0.32	-34.28	-0.63
			C116	-384.17	-1.52	-84.34	-0.28	-33.66	-0.80
			C201	-663.55	5.00	-224.20	-2.26	-89.93	3.36
			C202	-685.11	5.32	-235.38	-2.42	-94.43	3.61
			C203	-475.59	1.35	-166.49	-1.91	-66.80	0.53
			C204	-497.15	1.68	-177.67	-2.07	-71.30	0.78
			C205	-148.61	-3.26	39.90	1.58	16.38	-2.75
			C206	-170.17	-2.94	28.71	1.42	11.87	-2.50
			C207	-74.28	-5.14	37.76	1.04	15.41	-4.27
			C208	-95.84	-4.81	26.57	0.88	10.91	-4.02
			C209	-375.48	0.59	-103.12	-0.96	-41.22	-1.39

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

			C210	-373.51	0.12	-101.01	-0.91	-40.38	-1.61
			C211	-247.04	-1.93	-72.82	-0.94	-29.13	-3.05
			C212	-245.08	-2.41	-70.71	-0.88	-28.28	-3.27
			C213	-430.70	1.32	-88.23	0.05	-35.19	1.98
			C214	-428.74	0.85	-86.12	0.10	-34.34	1.76
			C215	-306.68	-1.46	-65.03	-0.16	-25.94	-0.54
			C216	-304.72	-1.94	-62.92	-0.10	-25.10	-0.77
			C301	-598.23	5.03	-208.64	-2.17	-83.72	3.46
			C302	-619.79	5.35	-219.83	-2.34	-88.22	3.70
			C303	-410.27	1.39	-150.93	-1.82	-60.58	0.63
			C304	-431.84	1.71	-162.12	-1.98	-65.09	0.88
			C305	-83.29	-3.23	55.45	1.66	22.59	-2.65
			C306	-104.85	-2.90	44.26	1.50	18.08	-2.41
			C307	-8.96	-5.11	53.31	1.12	21.62	-4.17
			C308	-30.52	-4.78	42.12	0.96	17.12	-3.93
			C309	-310.16	0.62	-87.57	-0.88	-35.01	-1.29
			C310	-308.19	0.15	-85.45	-0.82	-34.16	-1.52
			C311	-181.73	-1.90	-57.27	-0.86	-22.92	-2.95
			C312	-179.76	-2.38	-55.16	-0.80	-22.07	-3.18
			C313	-365.39	1.36	-72.68	0.13	-28.98	2.08
			C314	-363.42	0.88	-70.57	0.19	-28.13	1.85
			C315	-241.37	-1.43	-49.48	-0.07	-19.73	-0.45
			C316	-239.40	-1.91	-47.37	-0.02	-18.88	-0.67
222-	230	222	DUM C101	-742.92	-16.21	-175.89	-2.36	69.96	2.13
			C102	-765.37	-17.27	-181.01	-2.61	71.97	2.24
			C103	-559.69	-14.27	-132.70	-1.94	52.77	1.54
			C104	-582.13	-15.33	-137.83	-2.19	54.78	1.65
			C105	-227.63	8.14	-59.83	3.60	24.51	-0.30
			C106	-250.07	7.09	-64.95	3.35	26.52	-0.19
			C107	-159.91	4.36	-42.47	2.63	17.42	-0.32
			C108	-182.35	3.30	-47.60	2.38	19.43	-0.22
			C109	-260.72	-3.49	-66.57	0.14	26.62	-0.56
			C110	-278.25	-3.86	-70.49	0.18	28.20	-0.42
			C111	-182.13	-4.54	-46.93	-0.08	18.75	-0.54
			C112	-199.66	-4.90	-50.85	-0.03	20.33	-0.40
			C113	-686.52	-5.48	-163.54	0.74	65.55	2.29
			C114	-704.04	-5.84	-167.46	0.79	67.13	2.43
			C115	-523.56	-6.21	-124.91	0.43	50.05	1.68
			C116	-541.08	-6.57	-128.83	0.47	51.63	1.82
			C201	-780.56	-19.38	-183.48	-3.37	72.83	2.45
			C202	-810.86	-20.81	-190.39	-3.71	75.54	2.60
			C203	-533.19	-16.76	-125.18	-2.80	49.62	1.66
			C204	-563.49	-18.19	-132.09	-3.14	52.33	1.81
			C205	-84.91	13.50	-26.80	4.67	11.47	-0.82
			C206	-115.21	12.07	-33.71	4.33	14.18	-0.68
			C207	6.51	8.39	-3.37	3.36	1.90	-0.86
			C208	-23.79	6.96	-10.28	3.02	4.61	-0.71
			C209	-129.59	-2.21	-35.89	0.00	14.32	-1.17
			C210	-153.25	-2.70	-41.18	0.06	16.45	-0.98
			C211	-23.49	-3.62	-9.39	-0.29	3.69	-1.15
			C212	-47.15	-4.11	-14.68	-0.23	5.82	-0.96
			C213	-704.42	-4.89	-166.81	0.82	66.87	2.67
			C214	-728.07	-5.38	-172.10	0.87	69.00	2.86
			C215	-484.42	-5.88	-114.65	0.40	45.95	1.84
			C216	-508.08	-6.37	-119.94	0.45	48.08	2.03
			C301	-712.66	-18.62	-167.00	-3.43	66.23	2.32
			C302	-742.96	-20.04	-173.91	-3.77	68.94	2.47
			C303	-465.29	-16.00	-108.69	-2.86	43.02	1.53
			C304	-495.59	-17.43	-115.61	-3.20	45.73	1.68
			C305	-17.01	14.26	-10.32	4.62	4.87	-0.95
			C306	-47.31	12.83	-17.23	4.28	7.58	-0.80
			C307	74.42	9.15	13.11	3.30	-4.70	-0.99
			C308	44.12	7.72	6.20	2.96	-1.99	-0.84
			C309	-61.69	-1.45	-19.41	-0.05	7.72	-1.30
			C310	-85.35	-1.94	-24.70	0.00	9.84	-1.11
			C311	44.41	-2.86	7.09	-0.35	-2.91	-1.28
			C312	20.75	-3.35	1.80	-0.29	-0.78	-1.09
			C313	-636.51	-4.13	-150.33	0.76	60.27	2.54
			C314	-660.17	-4.61	-155.62	0.81	62.40	2.73
			C315	-416.52	-5.12	-98.17	0.34	39.35	1.72
			C316	-440.18	-5.60	-103.46	0.39	41.48	1.90
		230	C101	-742.92	-16.21	-175.89	-2.36	-70.75	-10.84
			C102	-765.37	-17.27	-181.01	-2.61	-72.84	-11.58
			C103	-559.69	-14.27	-132.70	-1.94	-53.39	-9.88
			C104	-582.13	-15.33	-137.83	-2.19	-55.48	-10.61
			C105	-227.63	8.14	-59.83	3.60	-23.36	6.22
			C106	-250.07	7.09	-64.95	3.35	-25.45	5.48
			C107	-159.91	4.36	-42.47	2.63	-16.56	3.16
			C108	-182.35	3.30	-47.60	2.38	-18.65	2.42
			C109	-260.72	-3.49	-66.57	0.14	-26.63	-3.35
			C110	-278.25	-3.86	-70.49	0.18	-28.19	-3.50
			C111	-182.13	-4.54	-46.93	-0.08	-18.80	-4.17
			C112	-199.66	-4.90	-50.85	-0.03	-20.36	-4.32
			C113	-686.52	-5.48	-163.54	0.74	-65.29	-2.09
			C114	-704.04	-5.84	-167.46	0.79	-66.84	-2.24

			C115	-523.56	-6.21	-124.91	0.43	-49.87	-3.29
			C116	-541.08	-6.57	-128.83	0.47	-51.43	-3.44
			C201	-780.56	-19.38	-183.48	-3.37	-73.95	-13.05
			C202	-810.86	-20.81	-190.39	-3.71	-76.77	-14.05
			C203	-533.19	-16.76	-125.18	-2.80	-50.52	-11.75
			C204	-563.49	-18.19	-132.09	-3.14	-53.34	-12.75
			C205	-84.91	13.50	-26.80	4.67	-9.97	9.98
			C206	-115.21	12.07	-33.71	4.33	-12.79	8.98
			C207	6.51	8.39	-3.37	3.36	-0.79	5.85
			C208	-23.79	6.96	-10.28	3.02	-3.61	4.86
			C209	-129.59	-2.21	-35.89	0.00	-14.40	-2.94
			C210	-153.25	-2.70	-41.18	0.06	-16.50	-3.15
			C211	-23.49	-3.62	-9.39	-0.29	-3.82	-4.05
			C212	-47.15	-4.11	-14.68	-0.23	-5.92	-4.25
			C213	-704.42	-4.89	-166.81	0.82	-66.57	-1.24
			C214	-728.07	-5.38	-172.10	0.87	-68.68	-1.45
			C215	-484.42	-5.88	-114.65	0.40	-45.77	-2.86
			C216	-508.08	-6.37	-119.94	0.45	-47.87	-3.06
			C301	-712.66	-18.62	-167.00	-3.43	-67.37	-12.57
			C302	-742.96	-20.04	-173.91	-3.77	-70.19	-13.56
			C303	-465.29	-16.00	-108.69	-2.86	-43.94	-11.27
			C304	-495.59	-17.43	-115.61	-3.20	-46.76	-12.27
			C305	-17.01	14.26	-10.32	4.62	-3.39	10.46
			C306	-47.31	12.83	-17.23	4.28	-6.21	9.46
			C307	74.42	9.15	13.11	3.30	5.79	6.33
			C308	44.12	7.72	6.20	2.96	2.97	5.34
			C309	-61.69	-1.45	-19.41	-0.05	-7.81	-2.46
			C310	-85.35	-1.94	-24.70	0.00	-9.92	-2.66
			C311	44.41	-2.86	7.09	-0.35	2.77	-3.56
			C312	20.75	-3.35	1.80	-0.29	0.66	-3.77
			C313	-636.51	-4.13	-150.33	0.76	-59.99	-0.76
			C314	-660.17	-4.61	-155.62	0.81	-62.10	-0.96
			C315	-416.52	-5.12	-98.17	0.34	-39.19	-2.38
			C316	-440.18	-5.60	-103.46	0.39	-41.29	-2.58
223-	227	223	DUM	C101	-873.32	10.26	-63.43	-1.30	25.33	-0.32
				C102	-885.21	10.72	-69.47	-1.40	27.74	-0.33
				C103	-709.14	2.89	-49.38	-1.07	19.72	-0.13
				C104	-721.03	3.35	-55.42	-1.17	22.13	-0.14
				C105	-572.59	1.17	77.23	0.99	-30.83	-0.12
				C106	-584.48	1.64	71.19	0.89	-28.42	-0.13
				C107	-471.59	-4.20	58.68	0.68	-23.43	0.02
				C108	-483.48	-3.73	52.64	0.59	-21.01	0.01
				C109	-793.93	-22.09	-2.78	-0.31	1.11	0.70
				C110	-783.49	-19.98	-1.82	-0.30	0.73	0.62
				C111	-638.64	-22.19	-3.83	-0.33	1.53	0.66
				C112	-628.19	-20.07	-2.87	-0.31	1.15	0.58
				C113	-644.49	30.44	9.07	-0.12	-3.62	-1.03
				C114	-634.04	32.55	10.03	-0.11	-4.00	-1.11
				C115	-544.55	18.27	5.79	-0.17	-2.31	-0.67
				C116	-534.10	20.38	6.76	-0.16	-2.69	-0.75
				C201	-841.08	12.26	-87.09	-1.64	34.77	-0.35
				C202	-857.13	12.89	-95.24	-1.77	38.03	-0.37
				C203	-619.44	2.31	-68.12	-1.33	27.20	-0.10
				C204	-635.49	2.94	-76.27	-1.46	30.46	-0.11
				C205	-435.09	-0.00	102.80	1.44	-41.04	-0.09
				C206	-451.14	0.63	94.64	1.31	-37.79	-0.10
				C207	-298.74	-7.25	77.76	1.03	-31.05	0.11
				C208	-314.79	-6.62	69.60	0.91	-27.79	0.09
				C209	-733.91	-31.40	-5.21	-0.31	2.08	1.02
				C210	-719.80	-28.55	-3.91	-0.29	1.57	0.91
				C211	-524.25	-31.54	-6.63	-0.33	2.65	0.97
				C212	-510.15	-28.69	-5.33	-0.31	2.13	0.86
				C213	-532.15	39.51	10.79	-0.05	-4.31	-1.31
				C214	-518.05	42.36	12.09	-0.03	-4.82	-1.42
				C215	-397.23	23.08	6.36	-0.12	-2.54	-0.83
				C216	-383.13	25.93	7.66	-0.10	-3.06	-0.94
				C301	-737.90	11.77	-87.53	-1.61	34.95	-0.33
				C302	-753.95	12.40	-95.69	-1.74	38.21	-0.34
				C303	-516.26	1.83	-68.56	-1.30	27.38	-0.07
				C304	-532.31	2.45	-76.72	-1.43	30.64	-0.09
				C305	-331.91	-0.49	102.36	1.48	-40.87	-0.07
				C306	-347.96	0.14	94.20	1.35	-37.61	-0.08
				C307	-195.56	-7.74	77.31	1.07	-30.87	0.13
				C308	-211.61	-7.11	69.16	0.94	-27.61	0.11
				C309	-630.73	-31.89	-5.66	-0.27	2.26	1.04
				C310	-616.62	-29.04	-4.36	-0.25	1.74	0.93
				C311	-421.08	-32.02	-7.08	-0.30	2.83	0.99
				C312	-406.97	-29.17	-5.78	-0.28	2.31	0.88
				C313	-428.97	39.02	10.34	-0.02	-4.13	-1.29
				C314	-414.87	41.87	11.64	0.00	-4.65	-1.40
				C315	-294.06	22.60	5.92	-0.09	-2.36	-0.81
				C316	-279.95	25.45	7.22	-0.07	-2.88	-0.92
		227		C101	-873.32	10.26	-63.43	-1.30	-25.41	7.89
				C102	-885.21	10.72	-69.47	-1.40	-27.83	8.25
				C103	-709.14	2.89	-49.38	-1.07	-19.78	2.18

		C104	-721.03	3.35	-55.42	-1.17	-22.20	2.54
		C105	-572.59	1.17	77.23	0.99	30.95	0.82
		C106	-584.48	1.64	71.19	0.89	28.53	1.18
		C107	-471.59	-4.20	58.68	0.68	23.52	-3.34
		C108	-483.48	-3.73	52.64	0.59	21.10	-2.98
		C109	-793.93	-22.09	-2.78	-0.31	-1.11	-16.97
		C110	-783.49	-19.98	-1.82	-0.30	-0.73	-15.36
		C111	-638.64	-22.19	-3.83	-0.33	-1.53	-17.09
		C112	-628.19	-20.07	-2.87	-0.31	-1.15	-15.48
		C113	-644.49	30.44	9.07	-0.12	3.64	23.32
		C114	-634.04	32.55	10.03	-0.11	4.02	24.93
		C115	-544.55	18.27	5.79	-0.17	2.32	13.94
		C116	-534.10	20.38	6.76	-0.16	2.71	15.55
		C201	-841.08	12.26	-87.09	-1.64	-34.89	9.46
		C202	-857.13	12.89	-95.24	-1.77	-38.16	9.94
		C203	-619.44	2.31	-68.12	-1.33	-27.29	1.75
		C204	-635.49	2.94	-76.27	-1.46	-30.56	2.24
		C205	-435.09	-0.00	102.80	1.44	41.20	-0.09
		C206	-451.14	0.63	94.64	1.31	37.93	0.40
		C207	-298.74	-7.25	77.76	1.03	31.16	-5.70
		C208	-314.79	-6.62	69.60	0.91	27.89	-5.21
		C209	-733.91	-31.40	-5.21	-0.31	-2.09	-24.11
		C210	-719.80	-28.55	-3.91	-0.29	-1.57	-21.93
		C211	-524.25	-31.54	-6.63	-0.33	-2.66	-24.26
		C212	-510.15	-28.69	-5.33	-0.31	-2.13	-22.09
		C213	-532.15	39.51	10.79	-0.05	4.33	30.29
		C214	-518.05	42.36	12.09	-0.03	4.85	32.46
		C215	-397.23	23.08	6.36	-0.12	2.55	17.63
		C216	-383.13	25.93	7.66	-0.10	3.07	19.81
		C301	-737.90	11.77	-87.53	-1.61	-35.07	9.09
		C302	-753.95	12.40	-95.69	-1.74	-38.34	9.58
		C303	-516.26	1.83	-68.56	-1.30	-27.47	1.39
		C304	-532.31	2.45	-76.72	-1.43	-30.74	1.87
		C305	-331.91	-0.49	102.36	1.48	41.02	-0.45
		C306	-347.96	0.14	94.20	1.35	37.75	0.03
		C307	-195.56	-7.74	77.31	1.07	30.98	-6.06
		C308	-211.61	-7.11	69.16	0.94	27.71	-5.57
		C309	-630.73	-31.89	-5.66	-0.27	-2.26	-24.47
		C310	-616.62	-29.04	-4.36	-0.25	-1.74	-22.30
		C311	-421.08	-32.02	-7.08	-0.30	-2.83	-24.63
		C312	-406.97	-29.17	-5.78	-0.28	-2.31	-22.45
		C313	-428.97	39.02	10.34	-0.02	4.15	29.93
		C314	-414.87	41.87	11.64	0.00	4.67	32.10
		C315	-294.06	22.60	5.92	-0.09	2.37	17.27
		C316	-279.95	25.45	7.22	-0.07	2.89	19.44
224-	228 224	DUM C101	-963.72	3.14	-18.90	3.16	6.78	-0.06
		C102	-980.06	3.52	-20.73	3.45	7.45	-0.07
		C103	-723.04	-3.06	-14.87	2.46	5.34	0.11
		C104	-739.38	-2.68	-16.70	2.75	6.00	0.10
		C105	-593.51	-3.57	22.14	-3.76	-7.99	0.07
		C106	-609.85	-3.19	20.31	-3.47	-7.32	0.06
		C107	-432.06	-8.26	16.75	-2.84	-6.05	0.21
		C108	-448.40	-7.88	14.92	-2.55	-5.39	0.20
		C109	-432.95	-30.12	-1.31	0.16	0.46	1.14
		C110	-459.54	-27.79	-1.02	0.12	0.35	1.04
		C111	-301.28	-28.76	-1.63	0.21	0.58	1.04
		C112	-327.87	-26.43	-1.34	0.17	0.47	0.94
		C113	-1068.80	26.52	2.28	-0.41	-0.84	-1.01
		C114	-1095.38	28.84	2.57	-0.45	-0.95	-1.11
		C115	-813.42	14.67	1.29	-0.25	-0.48	-0.61
		C116	-840.00	17.00	1.58	-0.29	-0.59	-0.71
		C201	-949.11	5.46	-25.72	4.31	9.24	-0.12
		C202	-971.16	5.97	-28.19	4.71	10.13	-0.13
		C203	-624.19	-2.91	-20.28	3.37	7.29	0.11
		C204	-646.25	-2.40	-22.75	3.76	8.18	0.10
		C205	-449.32	-3.60	29.69	-5.02	-10.70	0.06
		C206	-471.38	-3.09	27.22	-4.63	-9.81	0.05
		C207	-231.37	-9.93	22.41	-3.79	-8.08	0.25
		C208	-253.42	-9.43	19.94	-3.39	-7.19	0.24
		C209	-232.57	-39.44	-1.97	0.28	0.70	1.51
		C210	-268.46	-36.30	-1.58	0.21	0.56	1.37
		C211	-54.82	-37.61	-2.40	0.34	0.86	1.37
		C212	-90.71	-34.47	-2.01	0.28	0.72	1.24
		C213	-1090.96	37.01	2.87	-0.49	-1.05	-1.39
		C214	-1126.85	40.15	3.26	-0.56	-1.19	-1.53
		C215	-746.20	21.03	1.53	-0.28	-0.57	-0.86
		C216	-782.09	24.17	1.92	-0.34	-0.71	-0.99
		C301	-841.65	5.83	-25.78	4.33	9.26	-0.13
		C302	-863.71	6.34	-28.25	4.72	10.16	-0.14
		C303	-516.74	-2.54	-20.34	3.39	7.31	0.10
		C304	-538.80	-2.03	-22.81	3.78	8.21	0.09
		C305	-341.87	-3.23	29.62	-5.00	-10.68	0.05
		C306	-363.93	-2.72	27.15	-4.61	-9.78	0.04
		C307	-123.91	-9.56	22.35	-3.77	-8.06	0.24
		C308	-145.97	-9.05	19.88	-3.38	-7.16	0.22

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

	C309	-125.12	-39.07	-2.04	0.29	0.73	1.50
	C310	-161.01	-35.93	-1.64	0.23	0.58	1.36
	C311	52.64	-37.23	-2.46	0.36	0.88	1.36
	C312	16.75	-34.09	-2.07	0.30	0.74	1.23
	C313	-983.51	37.39	2.81	-0.48	-1.03	-1.41
	C314	-1019.40	40.53	3.20	-0.54	-1.17	-1.54
	C315	-638.75	21.40	1.47	-0.26	-0.54	-0.87
	C316	-674.64	24.54	1.86	-0.33	-0.68	-1.00
228	C101	-963.72	3.14	-18.90	3.16	-8.34	2.45
	C102	-980.06	3.52	-20.73	3.45	-9.14	2.74
	C103	-723.04	-3.06	-14.87	2.46	-6.56	-2.34
	C104	-739.38	-2.68	-16.70	2.75	-7.36	-2.04
	C105	-593.51	-3.57	22.14	-3.76	9.73	-2.79
	C106	-609.85	-3.19	20.31	-3.47	8.93	-2.49
	C107	-432.06	-8.26	16.75	-2.84	7.35	-6.40
	C108	-448.40	-7.88	14.92	-2.55	6.55	-6.11
	C109	-432.95	-30.12	-1.31	0.16	-0.59	-22.95
	C110	-459.54	-27.79	-1.02	0.12	-0.46	-21.19
	C111	-301.28	-28.76	-1.63	0.21	-0.73	-21.97
	C112	-327.87	-26.43	-1.34	0.17	-0.60	-20.20
	C113	-1068.80	26.52	2.28	-0.41	0.98	20.20
	C114	-1095.38	28.84	2.57	-0.45	1.11	21.97
	C115	-813.42	14.67	1.29	-0.25	0.55	11.13
	C116	-840.00	17.00	1.58	-0.29	0.68	12.89
	C201	-949.11	5.46	-25.72	4.31	-11.34	4.25
	C202	-971.16	5.97	-28.19	4.71	-12.42	4.64
	C203	-624.19	-2.91	-20.28	3.37	-8.94	-2.21
	C204	-646.25	-2.40	-22.75	3.76	-10.02	-1.82
	C205	-449.32	-3.60	29.69	-5.02	13.05	-2.82
	C206	-471.38	-3.09	27.22	-4.63	11.97	-2.43
	C207	-231.37	-9.93	22.41	-3.79	9.84	-7.70
	C208	-253.42	-9.43	19.94	-3.39	8.76	-7.31
	C209	-232.57	-39.44	-1.97	0.28	-0.88	-30.05
	C210	-268.46	-36.30	-1.58	0.21	-0.70	-27.67
	C211	-54.82	-37.61	-2.40	0.34	-1.06	-28.71
	C212	-90.71	-34.47	-2.01	0.28	-0.89	-26.33
	C213	-1090.96	37.01	2.87	-0.49	1.24	28.22
	C214	-1126.85	40.15	3.26	-0.56	1.42	30.59
	C215	-746.20	21.03	1.53	-0.28	0.66	15.97
	C216	-782.09	24.17	1.92	-0.34	0.83	18.34
	C301	-841.65	5.83	-25.78	4.33	-11.36	4.54
	C302	-863.71	6.34	-28.25	4.72	-12.44	4.93
	C303	-516.74	-2.54	-20.34	3.39	-8.96	-1.93
	C304	-538.80	-2.03	-22.81	3.78	-10.04	-1.53
	C305	-341.87	-3.23	29.62	-5.00	13.02	-2.53
	C306	-363.93	-2.72	27.15	-4.61	11.94	-2.14
	C307	-123.91	-9.56	22.35	-3.77	9.82	-7.41
	C308	-145.97	-9.05	19.88	-3.38	8.74	-7.02
	C309	-125.12	-39.07	-2.04	0.29	-0.90	-29.76
	C310	-161.01	-35.93	-1.64	0.23	-0.73	-27.38
	C311	52.64	-37.23	-2.46	0.36	-1.09	-28.43
	C312	16.75	-34.09	-2.07	0.30	-0.92	-26.05
	C313	-983.51	37.39	2.81	-0.48	1.22	28.50
	C314	-1019.40	40.53	3.20	-0.54	1.39	30.88
	C315	-638.75	21.40	1.47	-0.26	0.63	16.25
	C316	-674.64	24.54	1.86	-0.33	0.81	18.63

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy