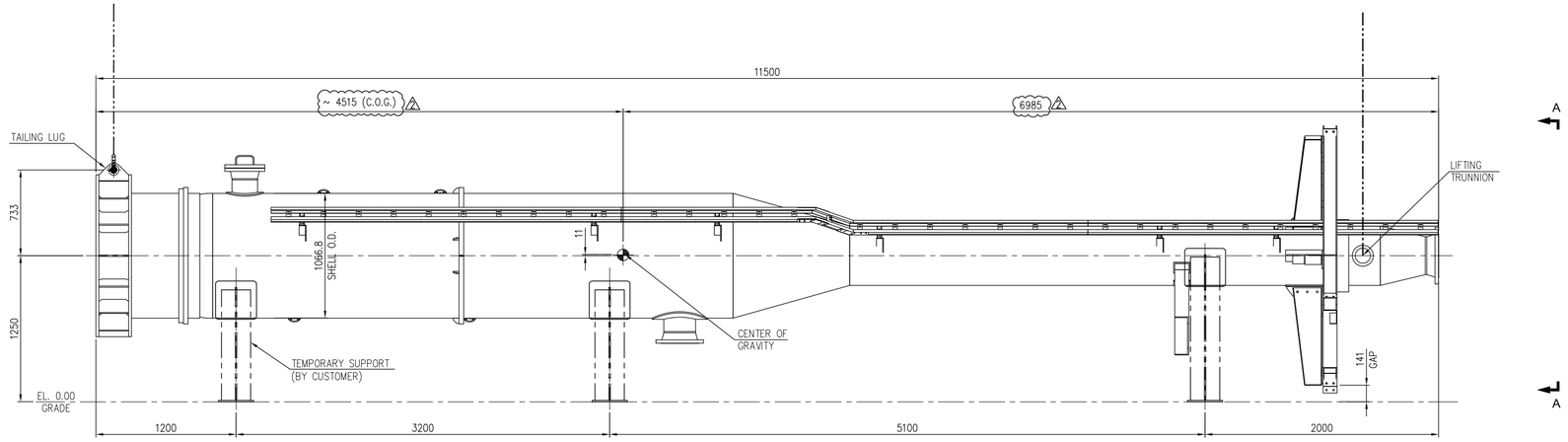
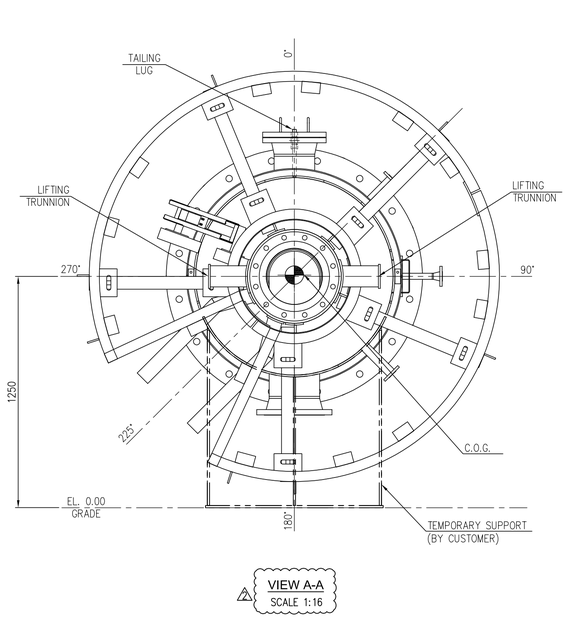
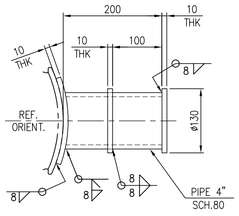
DRAWING NO. 1724000887-MAC-DD-00019_02 REV. 02



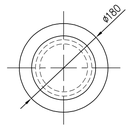
ELEVATION
⚠ LIFTING WITHOUT INSTALLED TIP
SCALE 1:25



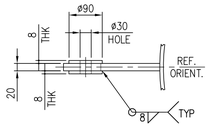
⚠ VIEW A-A
SCALE 1:16



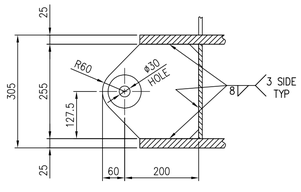
ELEVATION
LIFTING TRUNNION DETAIL



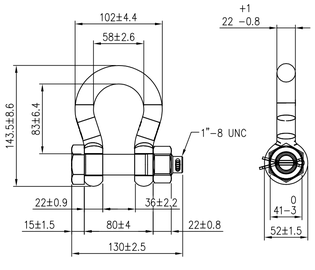
SIDE VIEW



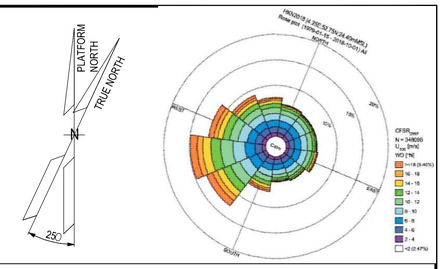
PLAN VIEW



ELEVATION
TAILING LUG DETAIL



SHACKLE DETAIL
GREEN PIN® BOW SHACKLE BN
GROUP : G-4163
PART : GPGHMB22
WLL :6.5t



NOTES

GENERAL NOTES:

1. ALL DIMENSION ARE IN mm UNLESS OTHERWISE STATED.
2. ALL ELEVATIONS ARE IN mm UNLESS OTHERWISE STATED.
3. DELETED..
4. THE LIFTING TRUNNIONS ARE PROVIDED TO LIFT THE ASSEMBLY IN FULLY DRESSED CONDITION.
5. VENT TIP, HANDRAIL, LADDER AND GRATINGS SHALL BE INSTALLED IN VERTICAL POSITION OF EQUIPMENT.
6. TOTAL LIFTING WEIGHT APPROX. : 4050 KG. (WITH 10% CONTINGENCY)

REFERENCE DOCUMENT	No.
MECHANICAL CALCULATION - HYDROGEN VENT	1724000887-MAC-CA-00004
DETAILED DRAWING WITH PART LIST - HYDROGEN VENT	1724000887-MAC-DD-00005
GENERAL ARRANGEMENT - HYDROGEN VENT	1724000887-MAC-DA-00003
-	-

THERMO ENGINEERING — AN ENGCON COMPANY

ETE JOB 23-0193
ETE DWG NR. 23-0193-0530A

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15-11-2024	SCB	RV	AL	ACCEPTED FOR CONSTRUCTION
01	20-09-2024	SCB	RV	AL	ISSUED FOR REVIEW
00	05-08-2024	SCB	RV	AL	ISSUED FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE :
HYDROGEN VENT
LIFTING DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:30

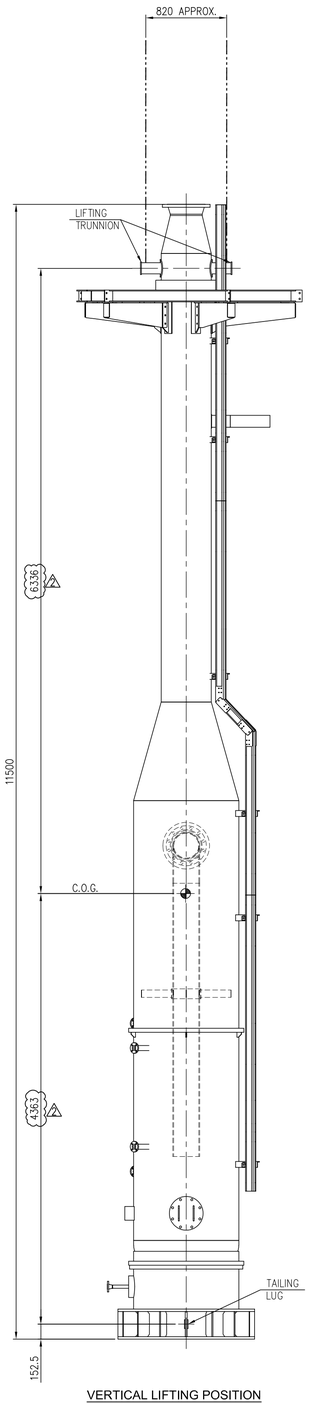
DRAWN SCB | CHECKED RV | APPROVED AL | DATE 05/08/24

A1 | DRAWING NO. 1724000887-MAC-DD-00019 | SHEET 001 | REV. 02

File Name : 1724000887-MAC-DD-00019_02

DRAWING NO. 1724000887-MAC-DA-00003_02

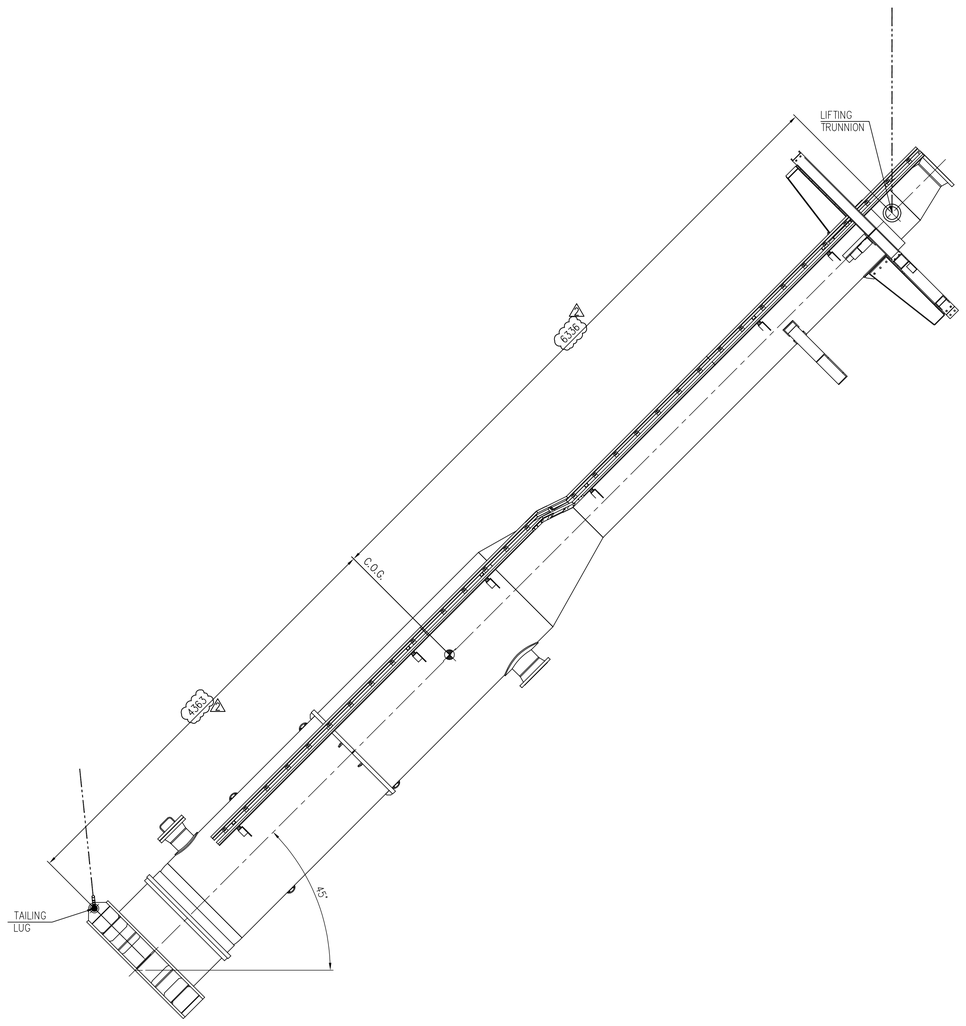
REV. 02



VERTICAL LIFTING POSITION

SCALE 1:30

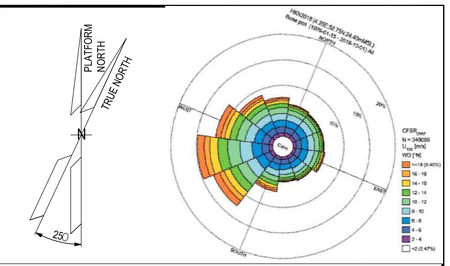
VIEW ROTATED FOR LIFTING TRUNNION CLARIFICATION



LIFTING VIEW AT 45° POSITION

SCALE 1:40

LIFT ANGLE Deg.	LIFTING LOAD kN	TAILING LOAD kN
0	24.95	34.62
10	25.37	34.20
20	25.80	33.77
30	26.29	33.29
40	26.86	32.71
50	27.60	31.97
60	28.68	30.89
70	30.51	29.06
80	34.76	24.82
90	59.57	0.00



NOTES

REFERENCE DOCUMENT	No.
MECHANICAL CALCULATION - HYDROGEN VENT	1724000887-MAC-CA-00004
DETAILED DRAWING WITH PART LIST - HYDROGEN VENT	1724000887-MAC-DD-00005
GENERAL ARRANGEMENT - HYDROGEN VENT	1724000887-MAC-DA-00003
-	-

THERMO ENGINEERING — AN ENCORE COMBUSTION COMPANY

ETE JOB 23-0193

ETE DWG NR. 23-0193-0530A

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15-11-2024	SCB	RV	AL	ACCEPTED FOR CONSTRUCTION
01	20-09-2024	SCB	RV	AL	ISSUED FOR REVIEW
00	05-08-2024	SCB	RV	AL	ISSUED FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE : HYDROGEN VENT LIFTING DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:30

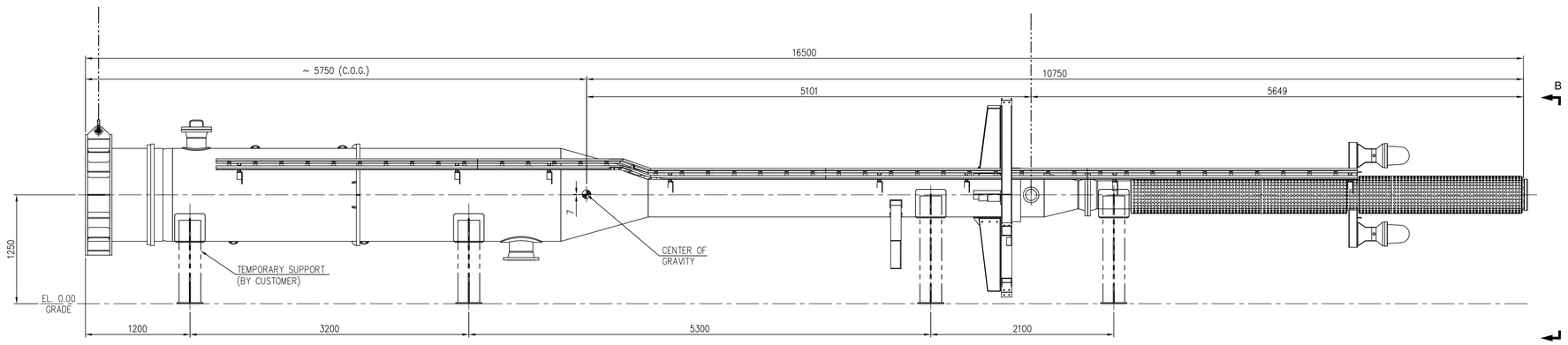
DRAWN SCB | CHECKED RV | APPROVED AL | DATE 05/08/24

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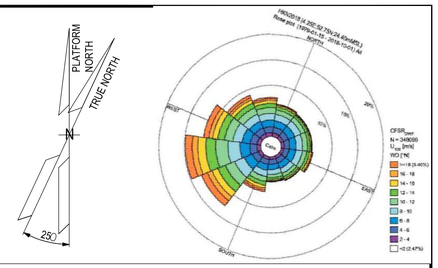
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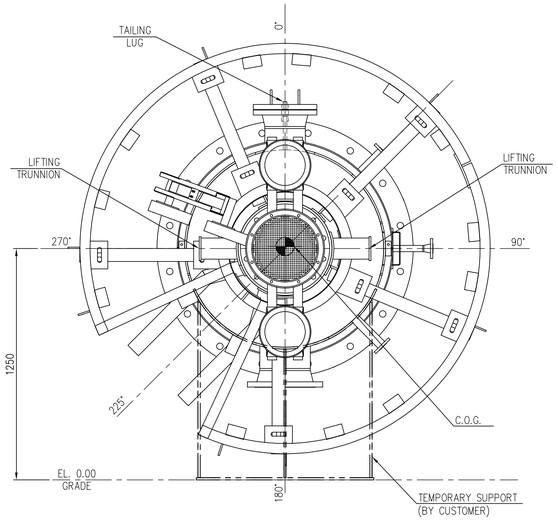
DRAWING NO. 1724000887-MAC-DD-00019_02

REV. 02



ELEVATION
LIFTING WITH INSTALLED TIP
SCALE 1:30





VIEW B-B
SCALE 1:16

NOTES

GENERAL NOTES:

1. ALL DIMENSION ARE IN mm UNLESS OTHERWISE STATED.
2. ALL ELEVATIONS ARE IN mm UNLESS OTHERWISE STATED.
3. DELETED..
4. THE LIFTING TRUNNIONS ARE PROVIDED TO LIFT THE ASSEMBLY IN FULLY DRESSED CONDITION.
5. VENT TIP, HANDRAIL, LADDER AND GRATINGS SHALL BE INSTALLED IN VERTICAL POSITION OF EQUIPMENT.
6. TOTAL LIFTING WEIGHT APPROX. : 4600 KG. (WITH 10% CONTINGENCY)

REFERENCE DOCUMENT	No.
MECHANICAL CALCULATION - HYDROGEN VENT	1724000887-MAC-CA-00004
DETAILED DRAWING WITH PART LIST - HYDROGEN VENT	1724000887-MAC-DD-00005
GENERAL ARRANGEMENT - HYDROGEN VENT	1724000887-MAC-DA-00003
-	-

THERMO ENGINEERING — AN ENCORE COMBUSTION COMPANY

ETE JOB	23-0193
ETE DWG NR.	23-0193-0530A

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15-11-2024	SCB	RV	AL	ACCEPTED FOR CONSTRUCTION
01	20-09-2024	SCB	RV	AL	ISSUED FOR REVIEW
00	05-08-2024	SCB	RV	AL	ISSUED FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE : HYDROGEN VENT LIFTING DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:30

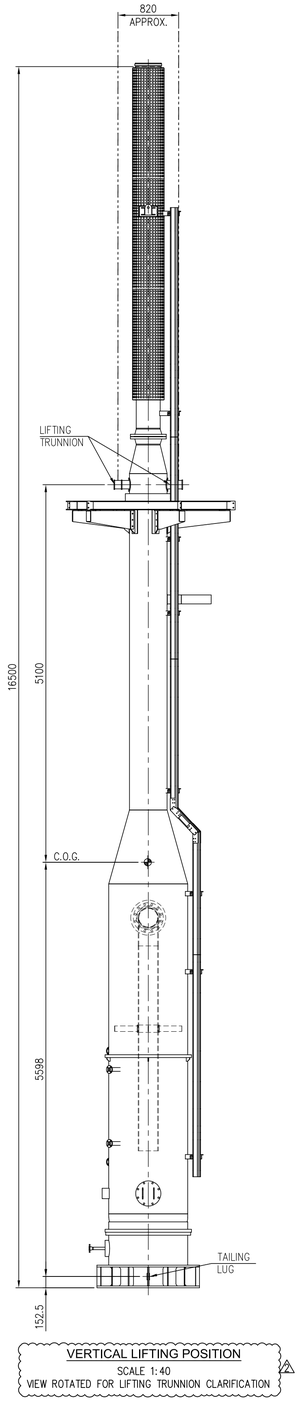
DRAWN SCB | CHECKED RV | APPROVED AL | DATE 05/08/24

A1 | DRAWING NO. 1724000887-MAC-DD-00019 | SHEET 001 | REV. 02

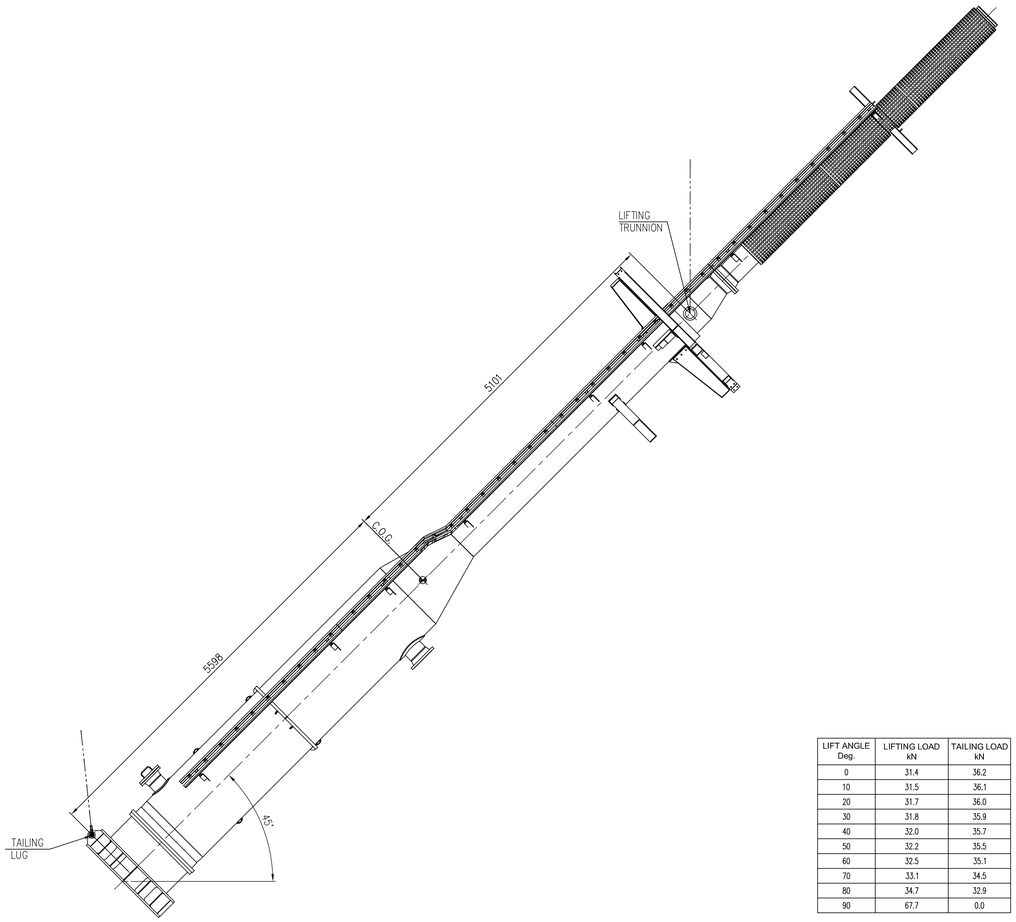
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DRAWING NO. 1724000887-MAC-DD-00019_02

REV. 02

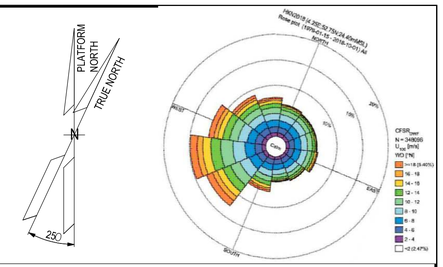


VERTICAL LIFTING POSITION
SCALE 1:40
VIEW ROTATED FOR LIFTING TRUNNION CLARIFICATION



LIFT ANGLE Deg	LIFTING LOAD kN	TAILING LOAD kN
0	31.4	36.2
10	31.5	36.1
20	31.7	36.0
30	31.8	35.9
40	32.0	35.7
50	32.2	35.5
60	32.5	35.1
70	33.1	34.5
80	34.7	32.9
90	67.7	0.0

LIFTING VIEW AT 45° POSITION
SCALE 1:40



NOTES

REFERENCE DOCUMENT	No.
MECHANICAL CALCULATION - HYDROGEN VENT	1724000887-MAC-CA-00004
DETAILED DRAWING WITH PART LIST - HYDROGEN VENT	1724000887-MAC-DD-00005
GENERAL ARRANGEMENT - HYDROGEN VENT	1724000887-MAC-DA-00003
-	-

THERMO ENGINEERING — AN ENCORE COMBUSTION COMPANY

ETE JOB	23-0193
ETE DWG NR.	23-0193-0530A

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15-11-2024	SCB	RV	AL	ACCEPTED FOR CONSTRUCTION
01	20-09-2024	SCB	RV	AL	ISSUED FOR REVIEW
00	05-08-2024	SCB	RV	AL	ISSUED FOR REVIEW

CROSSWIND

ROSETTI MARINO

TITLE : HYDROGEN VENT LIFTING DRAWING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:30

DRAWN SCB | CHECKED RV | APPROVED AL | DATE 05/08/24

A1 | DRAWING NO. 1724000887-MAC-DD-00019 | SHEET 001 | REV. 02

File Name : 1724000887-MAC-DD-00019_02