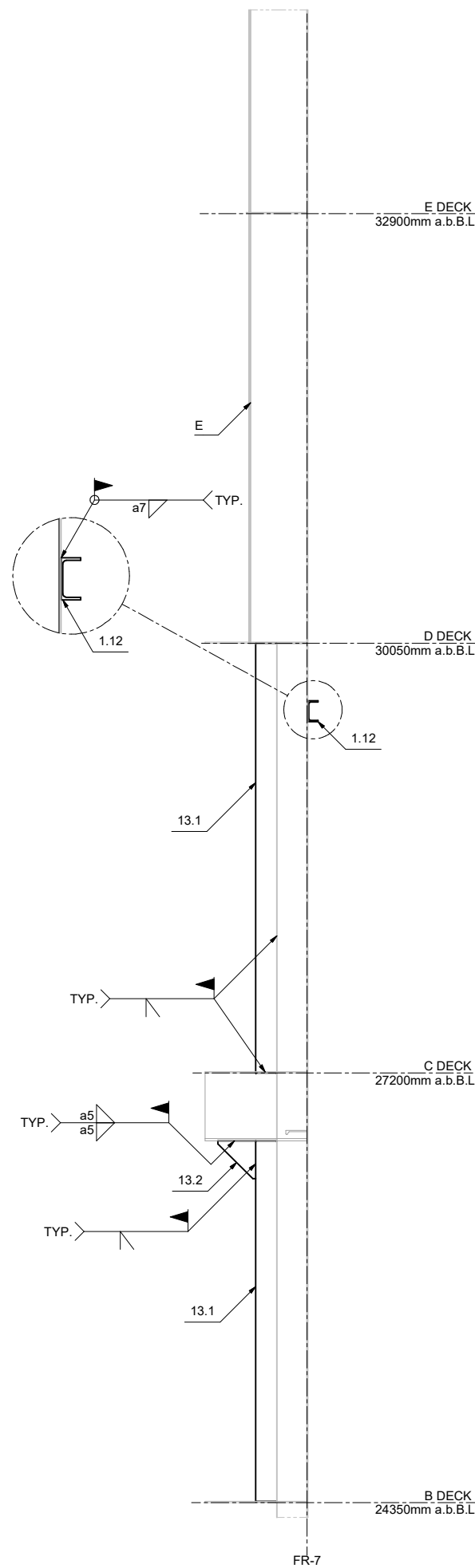


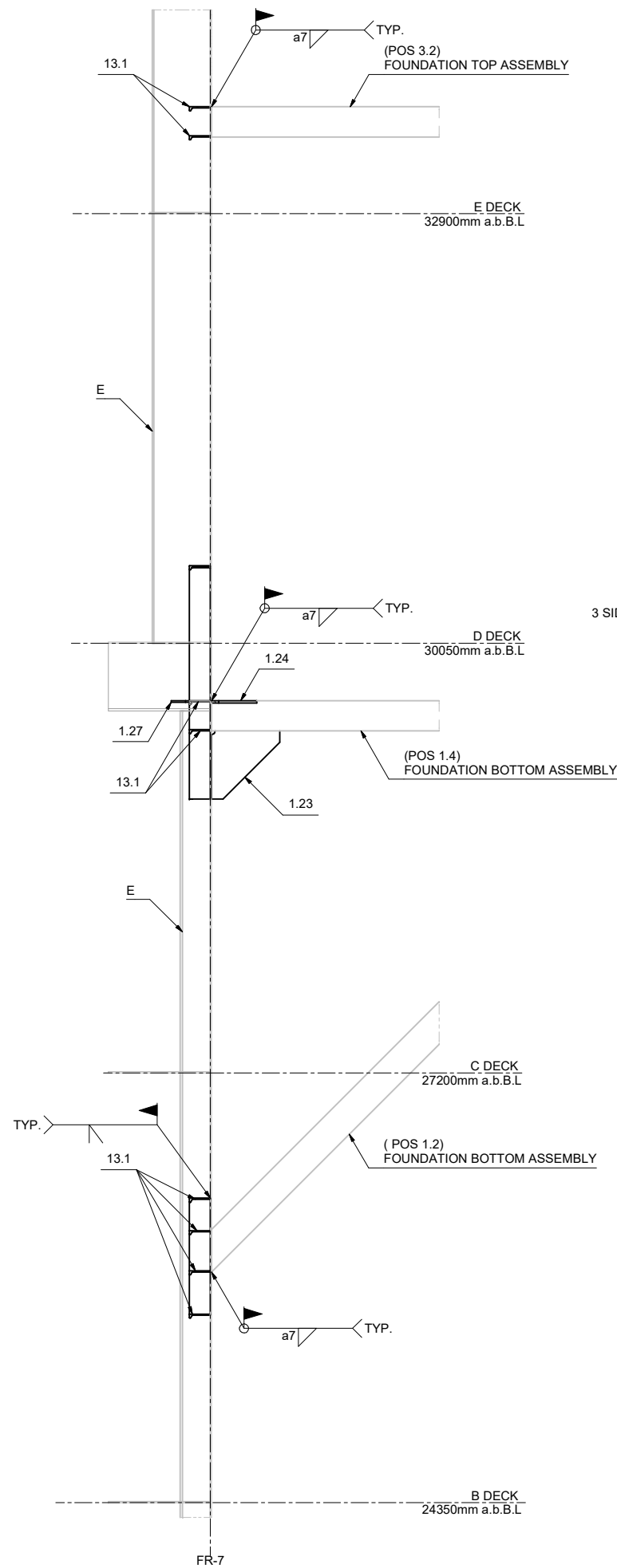
**REMARKS:**

- ALL DIMENSIONS ARE IN mm
- REMOVE SHARP EDGES
- UNLESS INDICATED OTHERWISE ALL WELDS TO BE 5
- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1. PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.
- E - EXISTING STIFFENERS

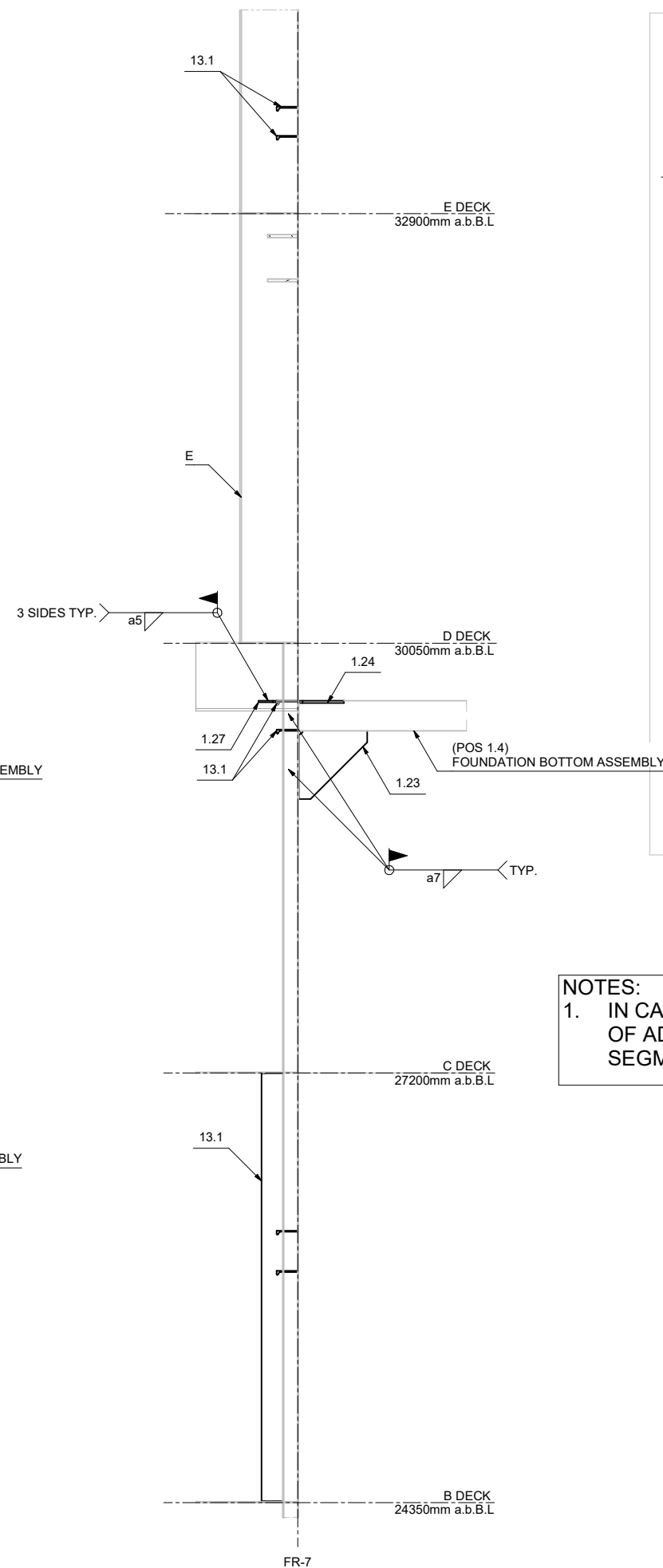
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DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
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VESSEL: LAURA MAERSK			IMO: 9944546		
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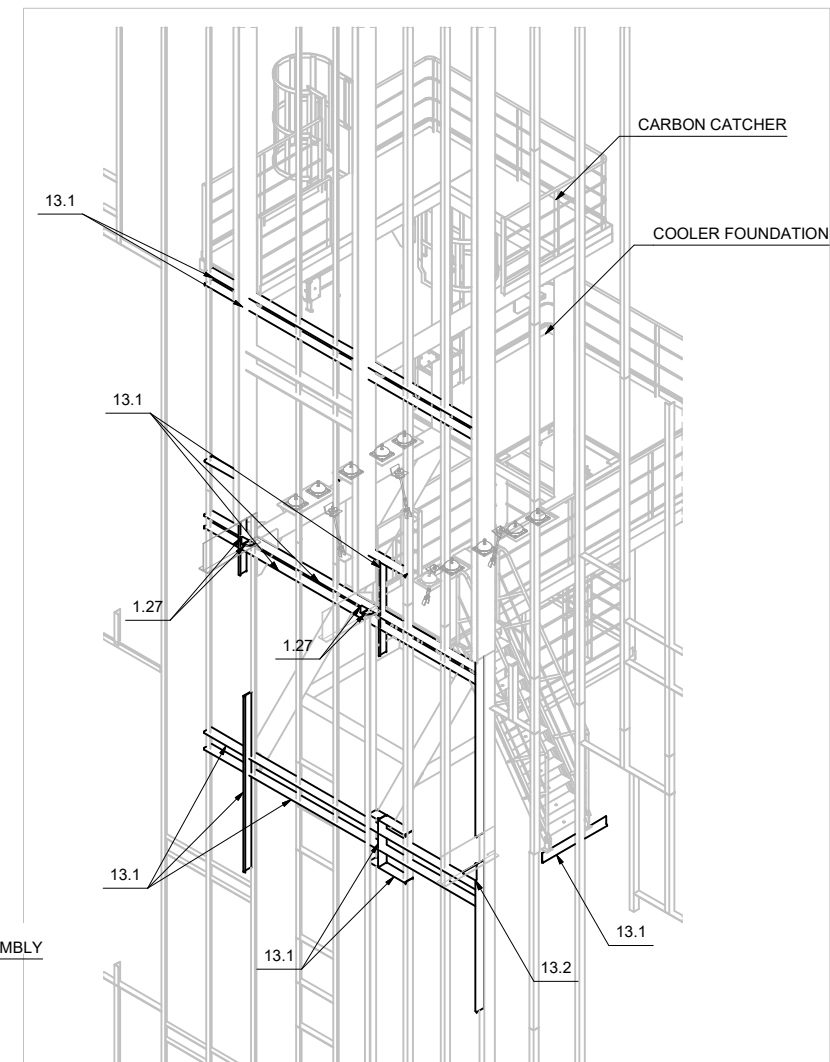
SECTION B-B'  
SCALE 1 : 40



SECTION C-C'  
SCALE 1 : 40



SECTION D-D'  
SCALE 1 : 40




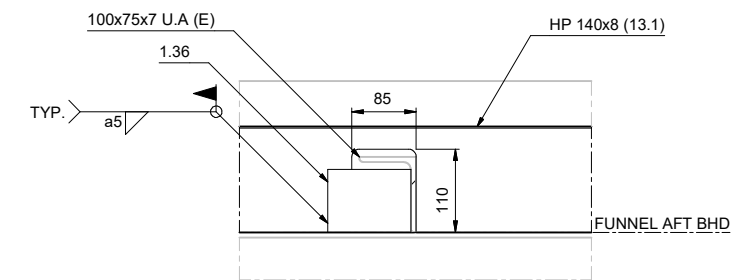
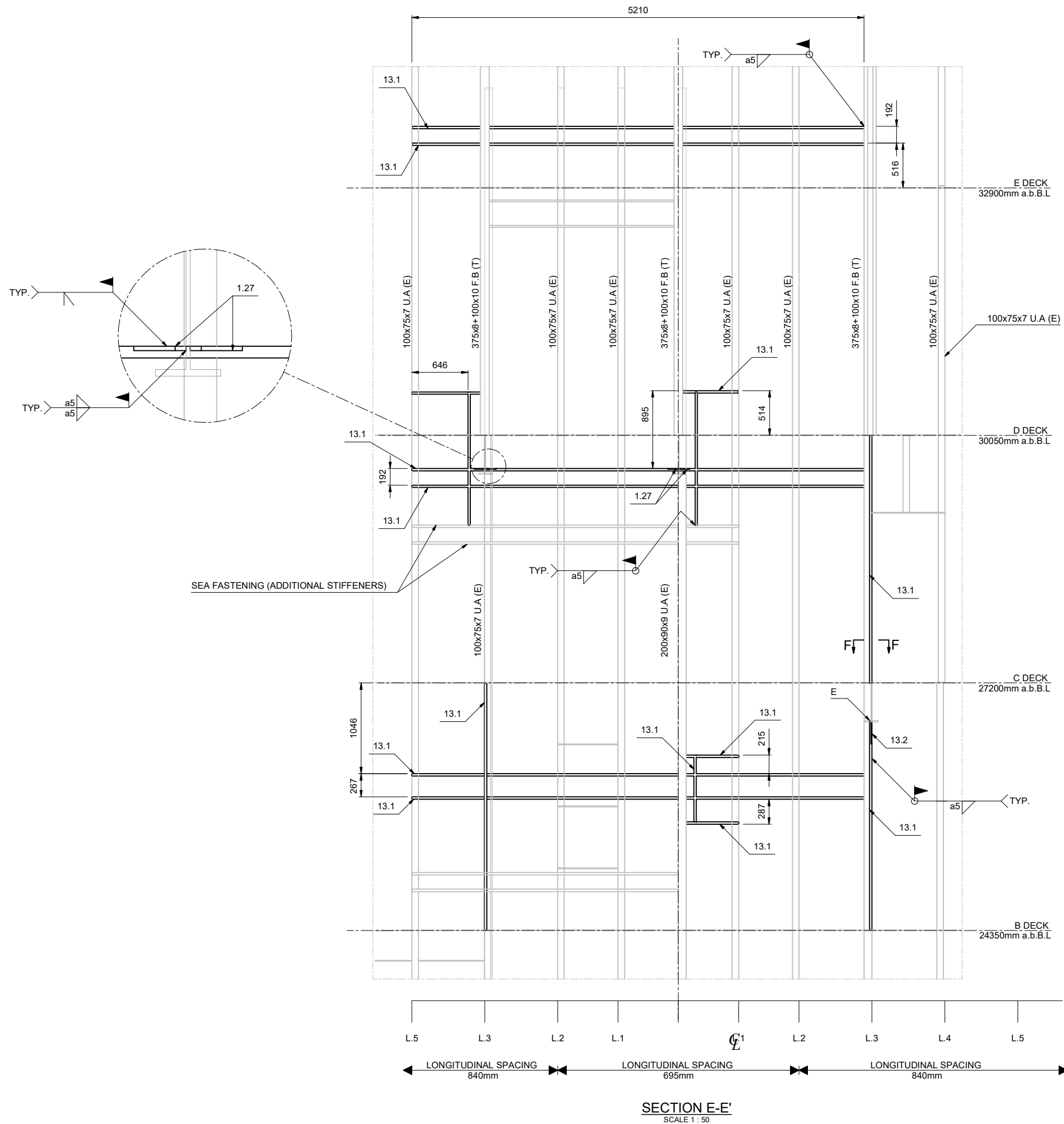
ISOMETRIC VIEW  
ADDITIONAL STIFFENERS

NOTES:  
1. IN CASES WHERE SITE CONDITIONS PREVENT THE INSTALLATION OF ADDITIONAL STIFFENERS IN ONE PIECE, THEY MAY BE SEGMENTED AND MODIFIED ON-SITE AS NECESSARY.

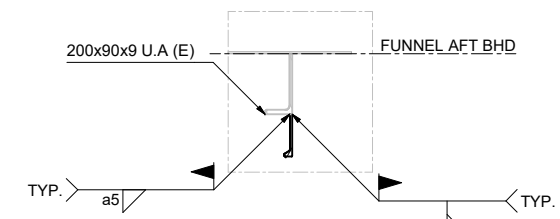
REMARKS:

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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1. PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.
- E - EXISTING STIFFENERS

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DETAIL 1  
TYPICAL DETAIL FOR ADDITIONAL STIFFENERS  
SCALE 1:10

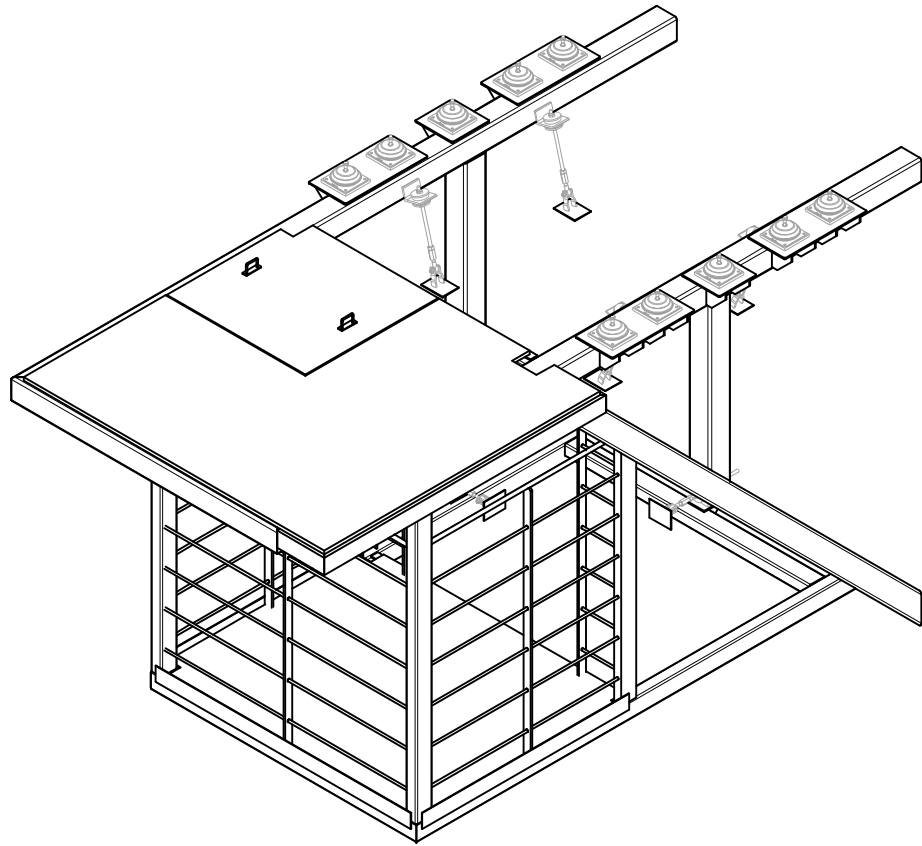


SECTION F-F'  
SCALE 1:25

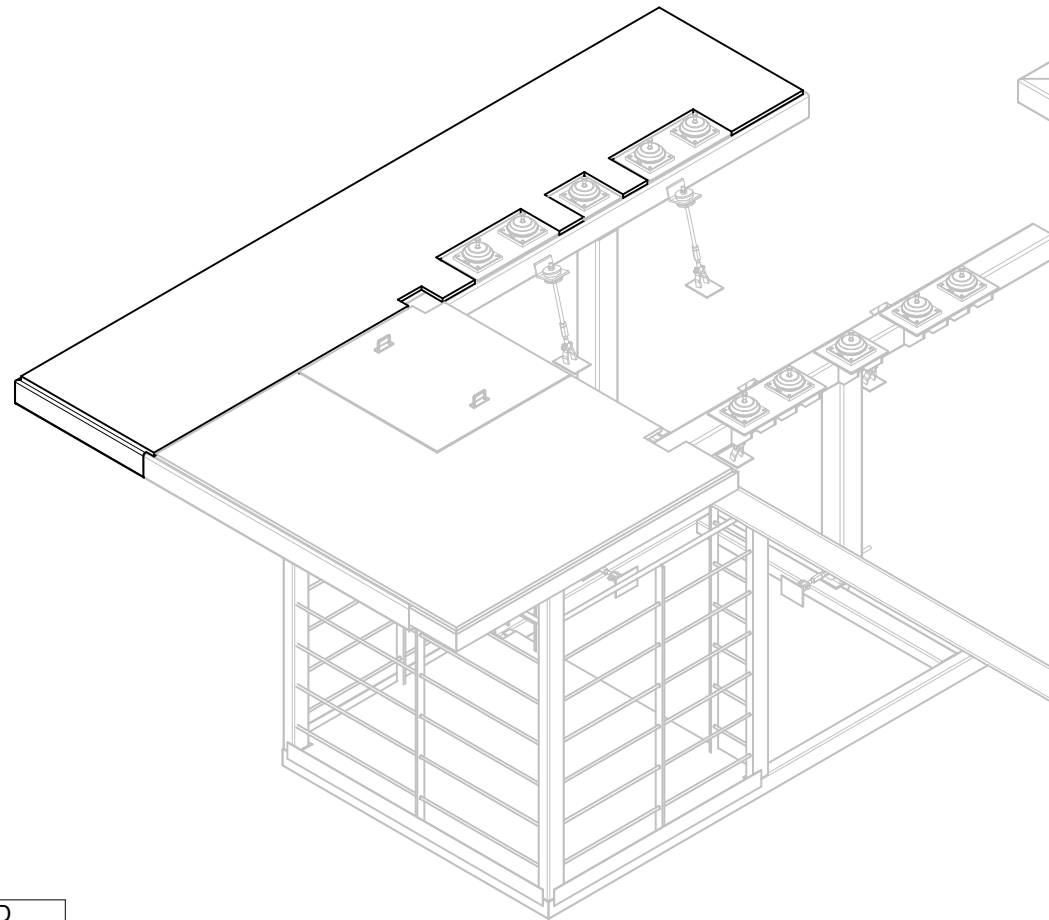
NOTES:  
1. PRECAUTIONS TO BE CONSIDERED WHILE WELDING NEAR D DECK AS THE SURROUNDING AREA IS A HAZARD ZONE DUE TO AN EXISTING VENT PIPE.

REMARKS:  
- ALL DIMENSIONS ARE IN mm  
- REMOVE SHARP EDGES  
- UNLESS INDICATED OTHERWISE ALL WELDS TO BE 5  
- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.  
PRIMER AS PER C4 PAINTING NORMS  
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.  
E - EXISTING STIFFENERS

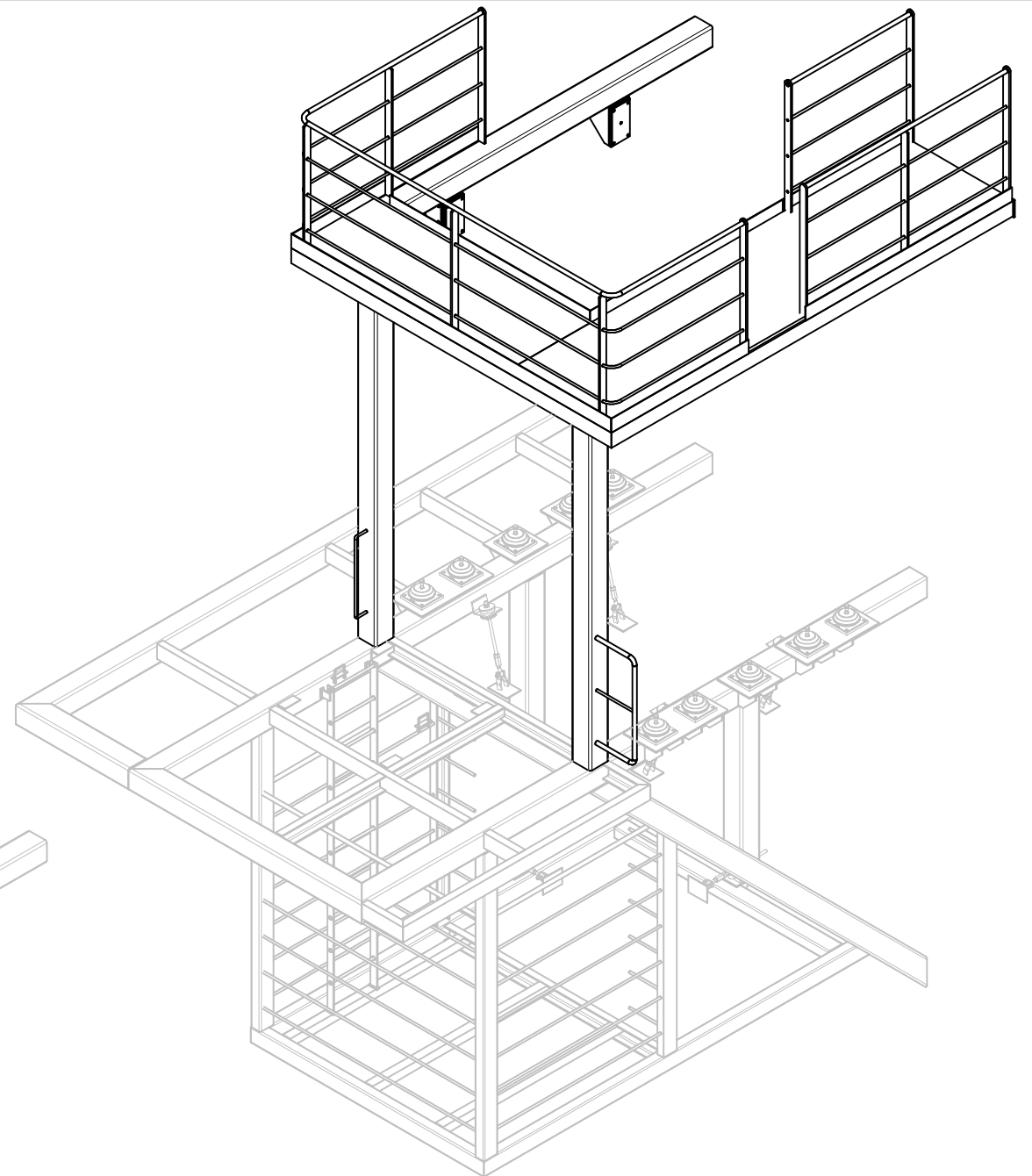
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VESSEL: LAURA MAERSK			IMO: 9944546		
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ISOMETRIC VIEW  
SUB ASSEMBLY 01  
(FOUNDATION BOTTOM ASSEMBLY + PLATFORM)



ISOMETRIC VIEW  
SUB ASSEMBLY 02  
(PLATFORM EXTENSION)



ISOMETRIC VIEW  
SUB ASSEMBLY 03  
(FOUNDATION TOP ASSEMBLY + PLATFORM)

REMARKS:

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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.  
PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

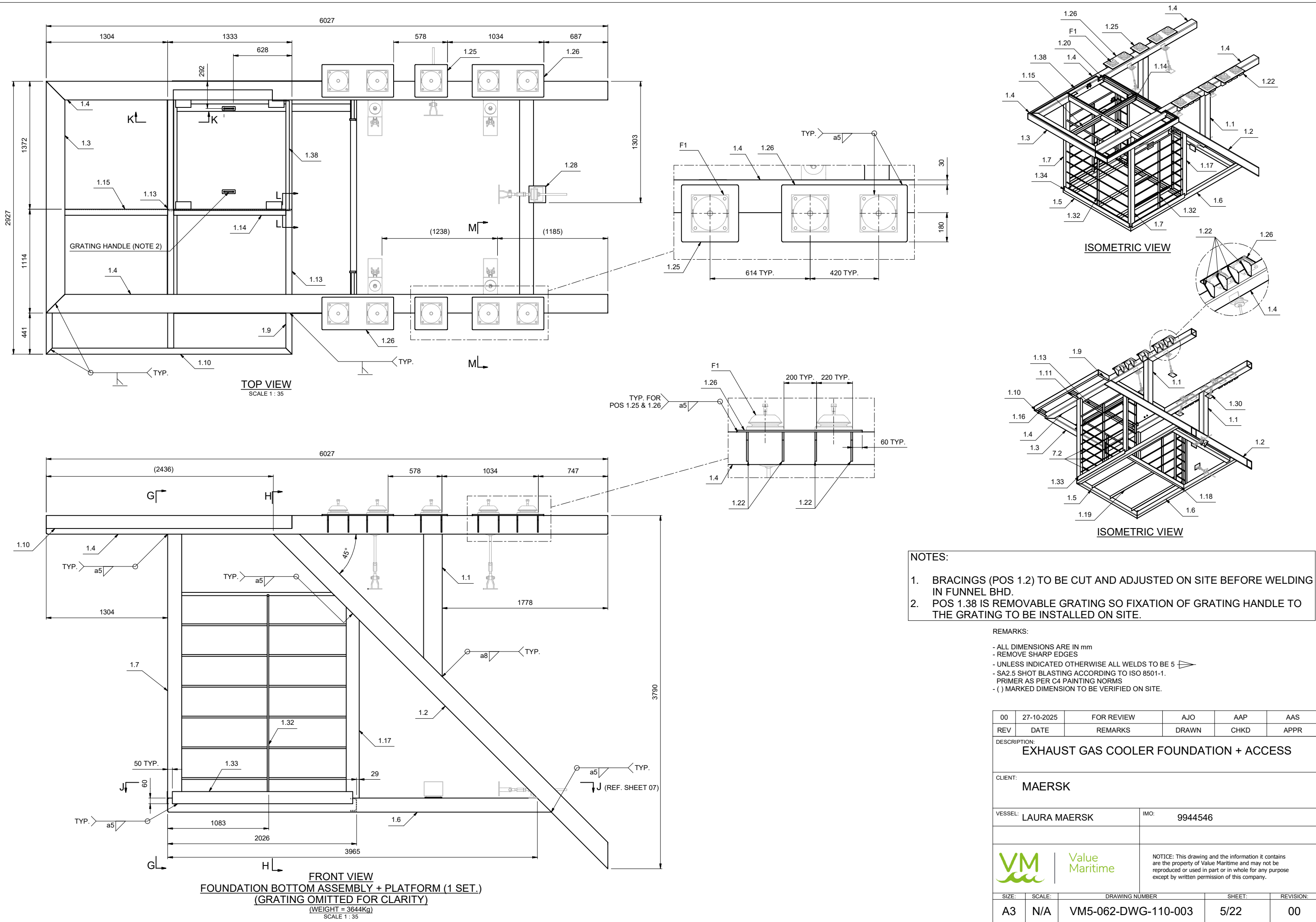
THE ENTIRE STRUCTURE IS SUBDIVIDED INTO 3 SUB ASSEMBLIES AND SECONDARY STRUCTURES:

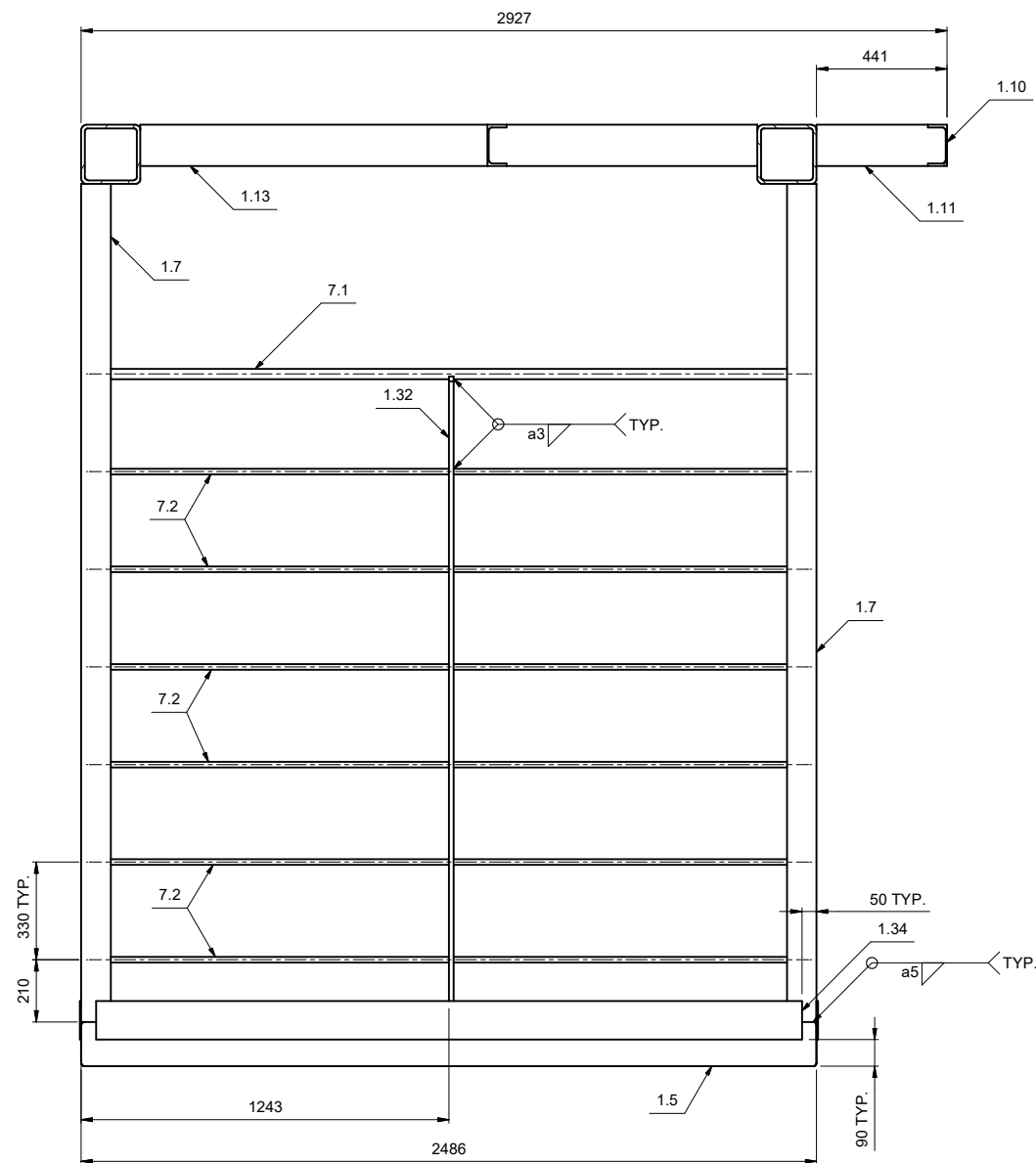
SUB ASSEMBLY 1 (1 SET) - FOUNDATION BOTTOM ASSEMBLY + PLATFORM  
SUB ASSEMBLY 2 (1 SET) - PLATFORM EXTENSION  
SUB ASSEMBLY 3 (1 SET) - FOUNDATION TOP ASSEMBLY + PLATFORM  
SECONDARY STRUCTURES - STAIR (1 SET.), LADDERS (1 SET.) ,  
HANDRAILS (5 SET.) & CAGED LADDER (2 SET.).

INSTALLATION NOTE:

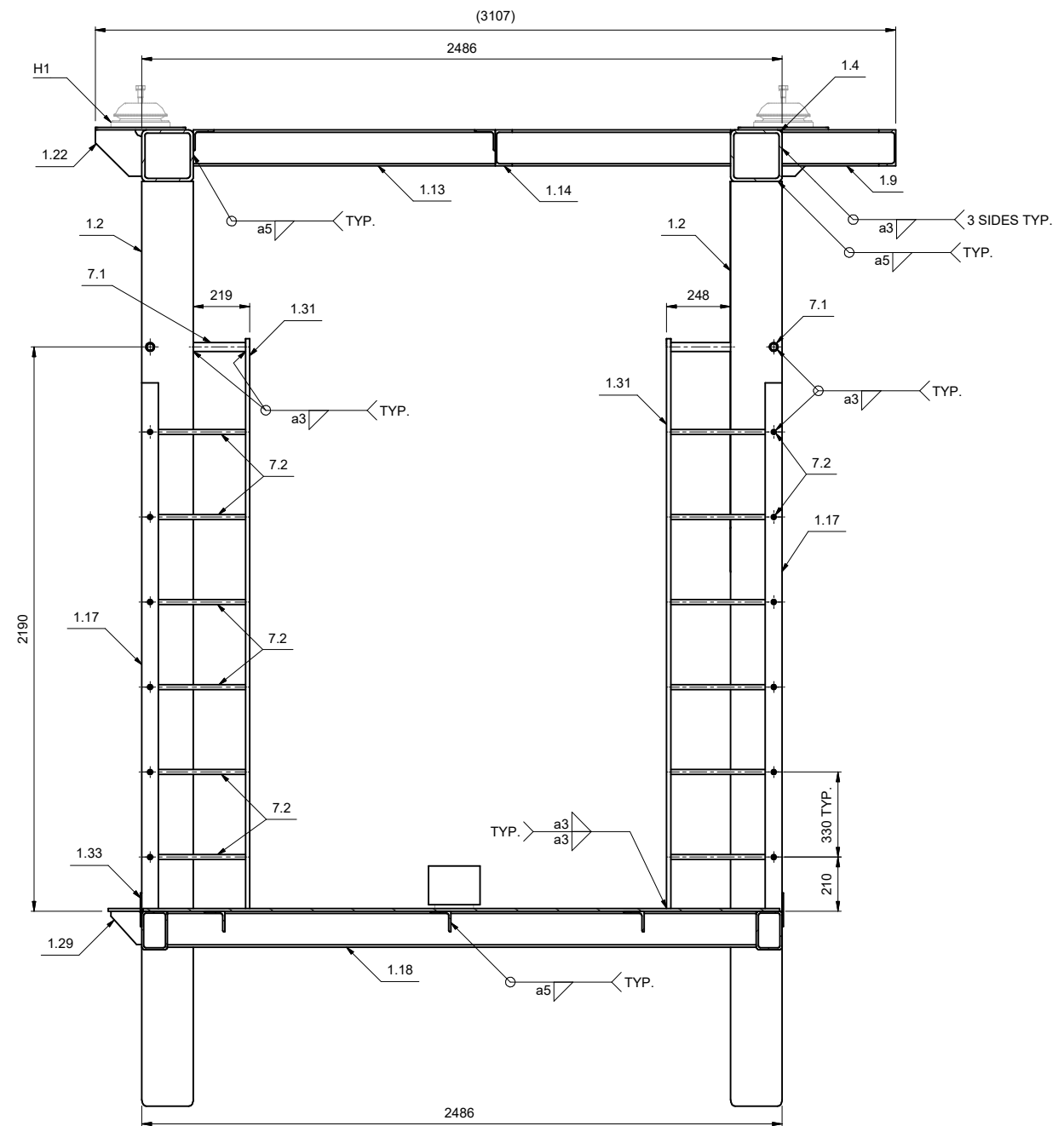
1. THE MIDDLE PLATFORM IS LIFTED AND WELDED TO THE FUNNEL.
2. COOLER WILL BE INSTALLED ABOVE THE PLATFORM.
3. THE BOTTOM PLATFORM WILL BE WELDED TO THE BRACINGS OF THE MIDDLE PLATFORM.
4. TOP PLATFORM WILL BE INSTALLED ABOVE MIDDLE PLATFORM.
5. SECONDARY STRUCTURES WILL BE WELDED TO THE MAIN ASSEMBLY.

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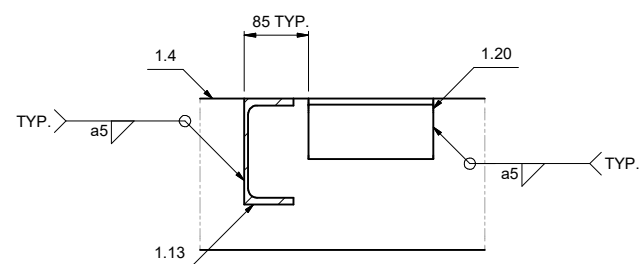




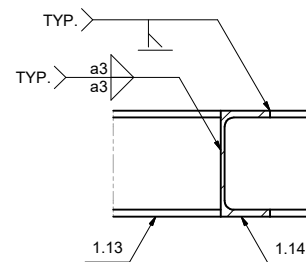
**SECTION G-G'**  
SCALE 1 : 25



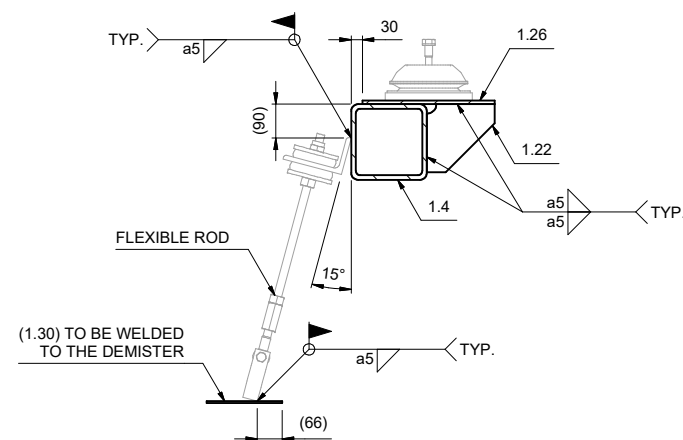
**SECTION H-H'**  
SCALE 1 : 25



**SECTION K-K'**  
TYPICAL WELD DETAIL  
SCALE 1 : 10




**SECTION L-L'**  
TYPICAL WELD DETAIL UPE 140 - UPE 140  
SCALE 1 : 10



**SECTION M-M'**  
SCALE 1 : 20

**REMARKS:**


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- PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.


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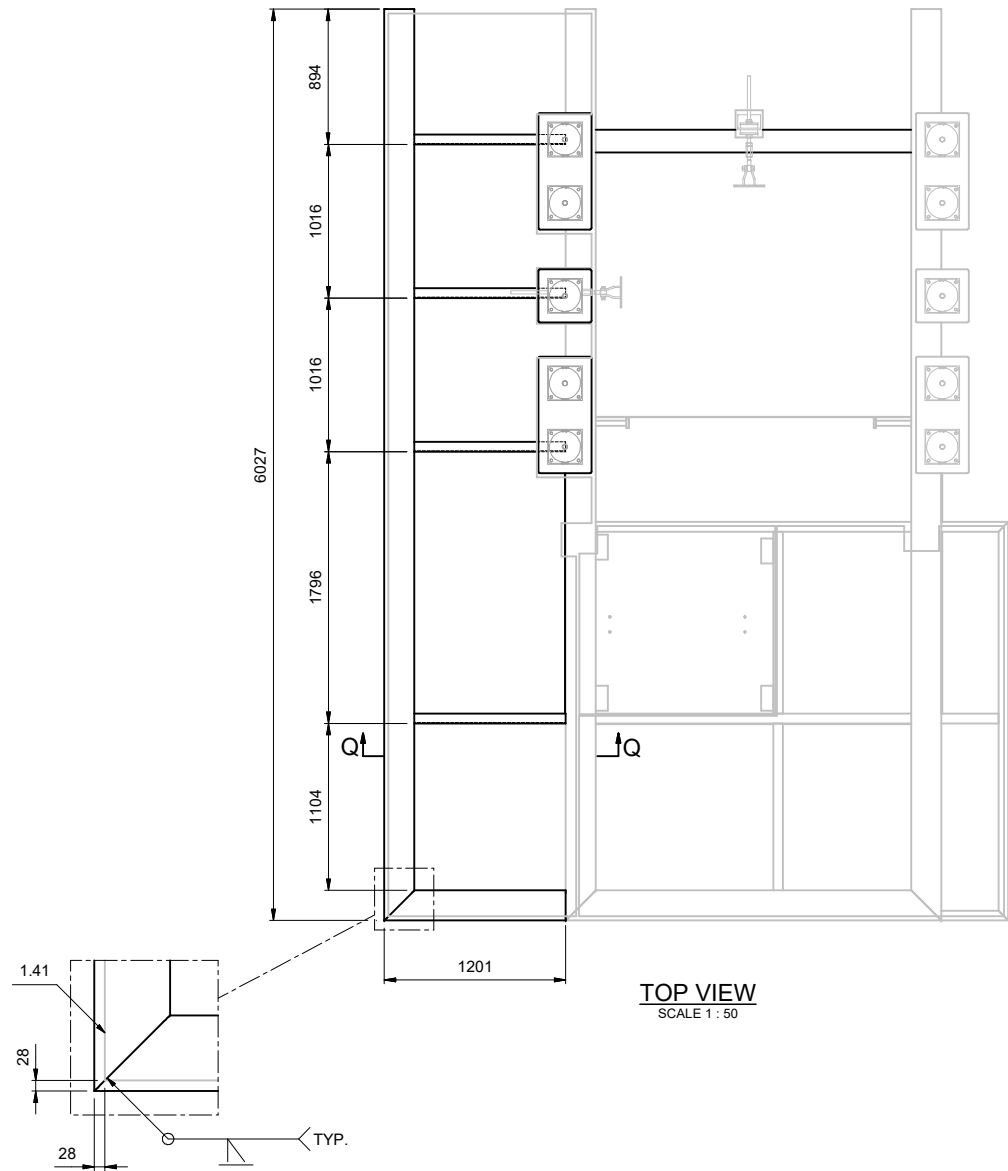


1. THREADS OF GRATING HANDLE ROD(POS 1.21) TO BE MACHINED BEFORE BENDING.

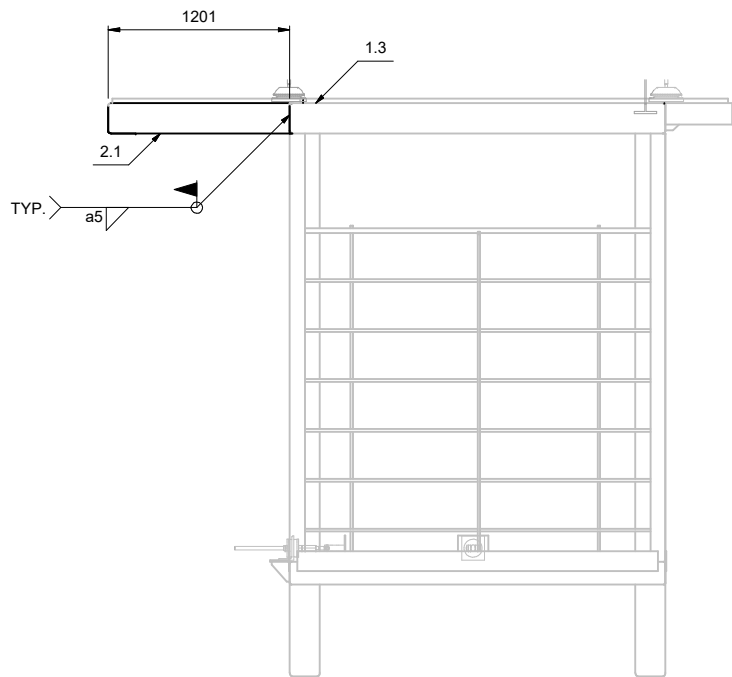
REMARKS:

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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.
- PRIMER AS PER C4 PAINTING NORMS
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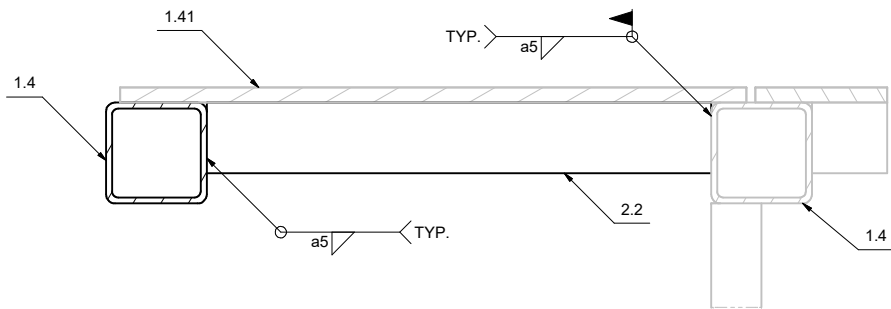
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: <b>EXHAUST GAS COOLER FOUNDATION + ACCESS</b>					
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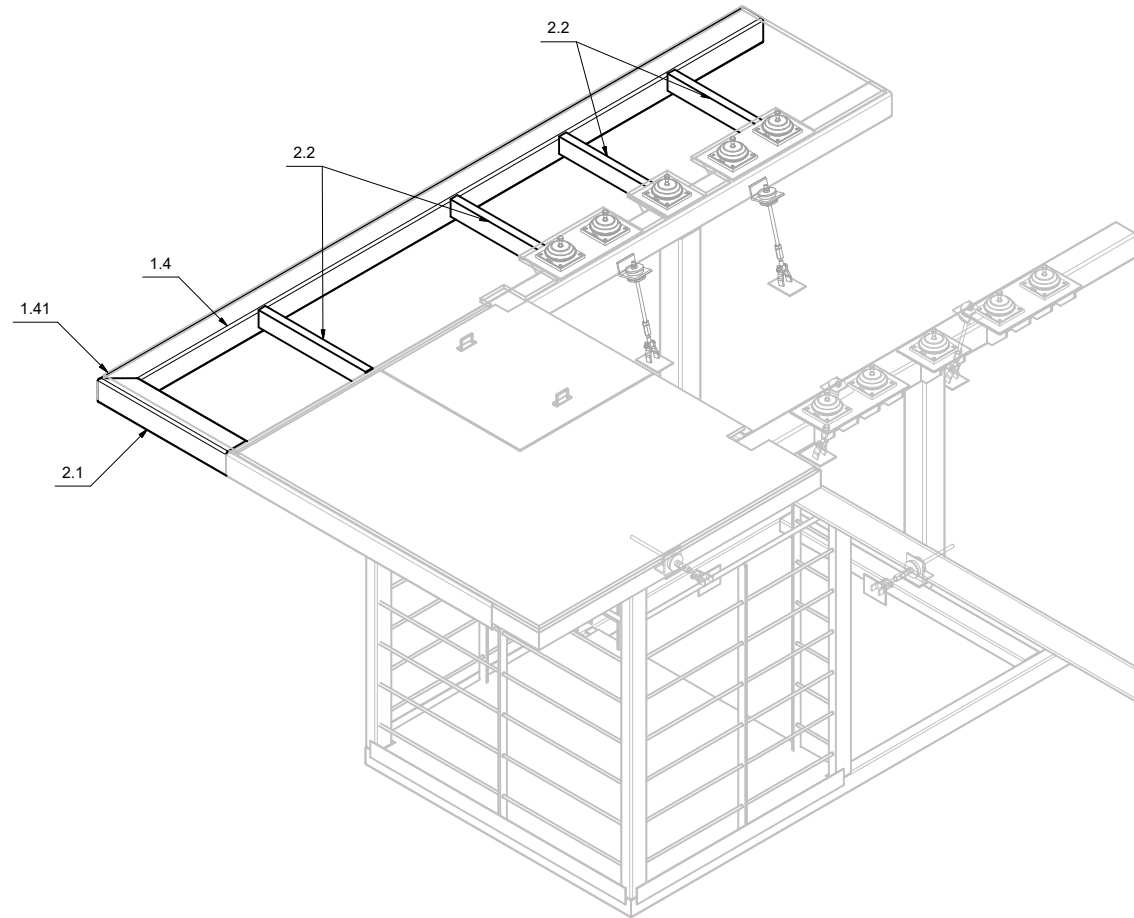
TOP VIEW  
SCALE 1 : 50



FRONT VIEW  
PLATFORM EXTENSION (1 SET.)  
(WEIGHT = 827Kg)  
SCALE 1 : 50




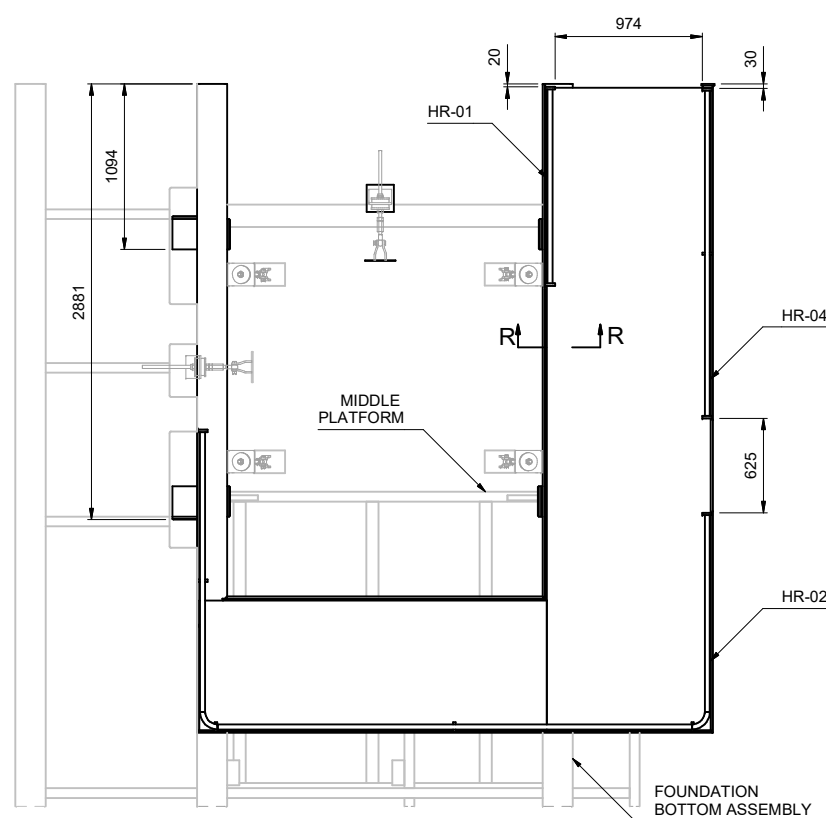
SECTION Q-Q'  
SCALE 1 : 15



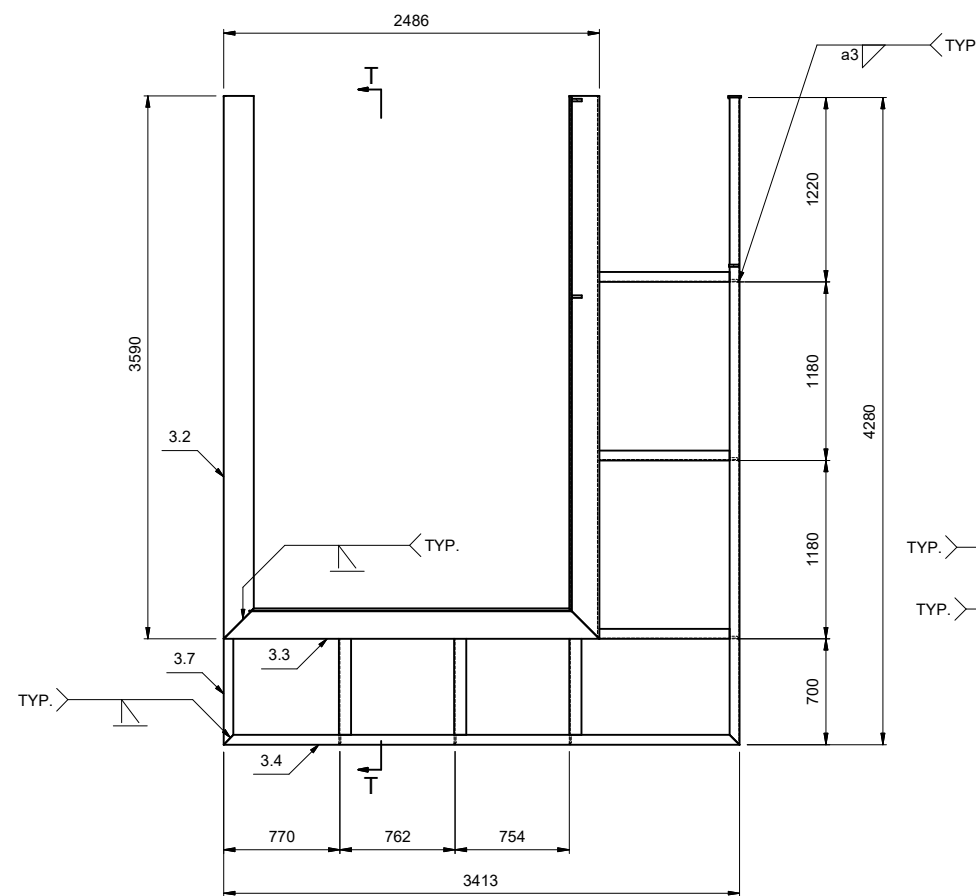
ISOMETRIC VIEW

- REMARKS:
- ALL DIMENSIONS ARE IN mm
  - REMOVE SHARP EDGES
  - UNLESS INDICATED OTHERWISE ALL WELDS TO BE 5
  - SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.  
PRIMER AS PER C4 PAINTING NORMS
  - ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

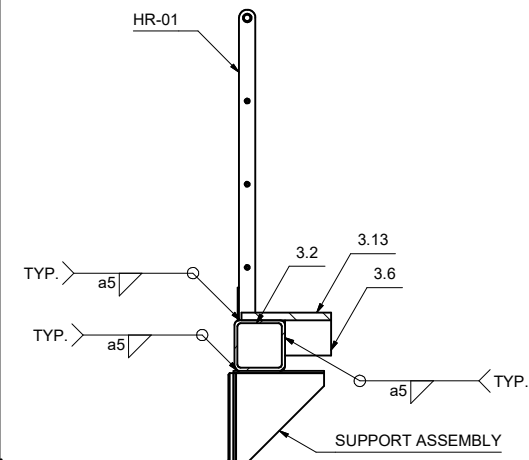
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION:					
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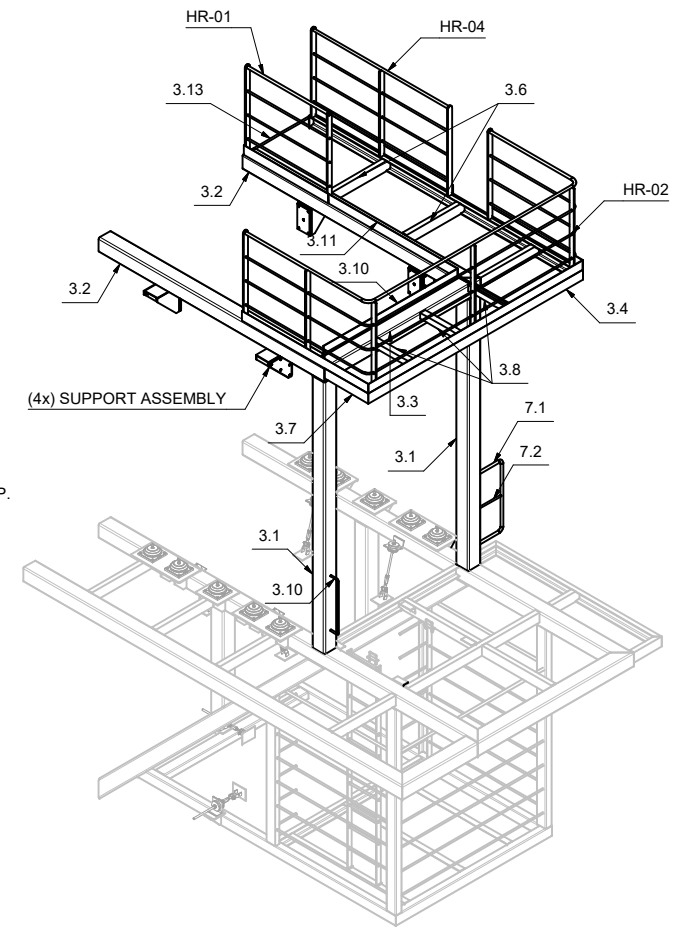
**TOP VIEW**  
SCALE 1 : 50



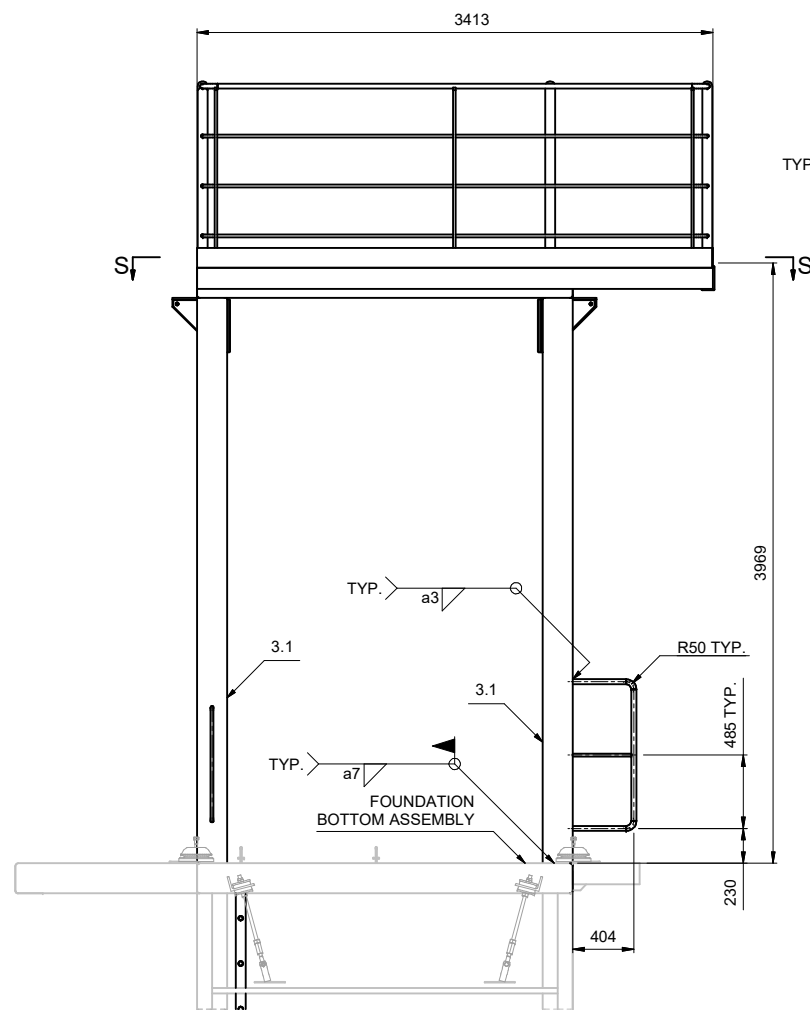
**SECTION S-S'**  
SCALE 1 : 50



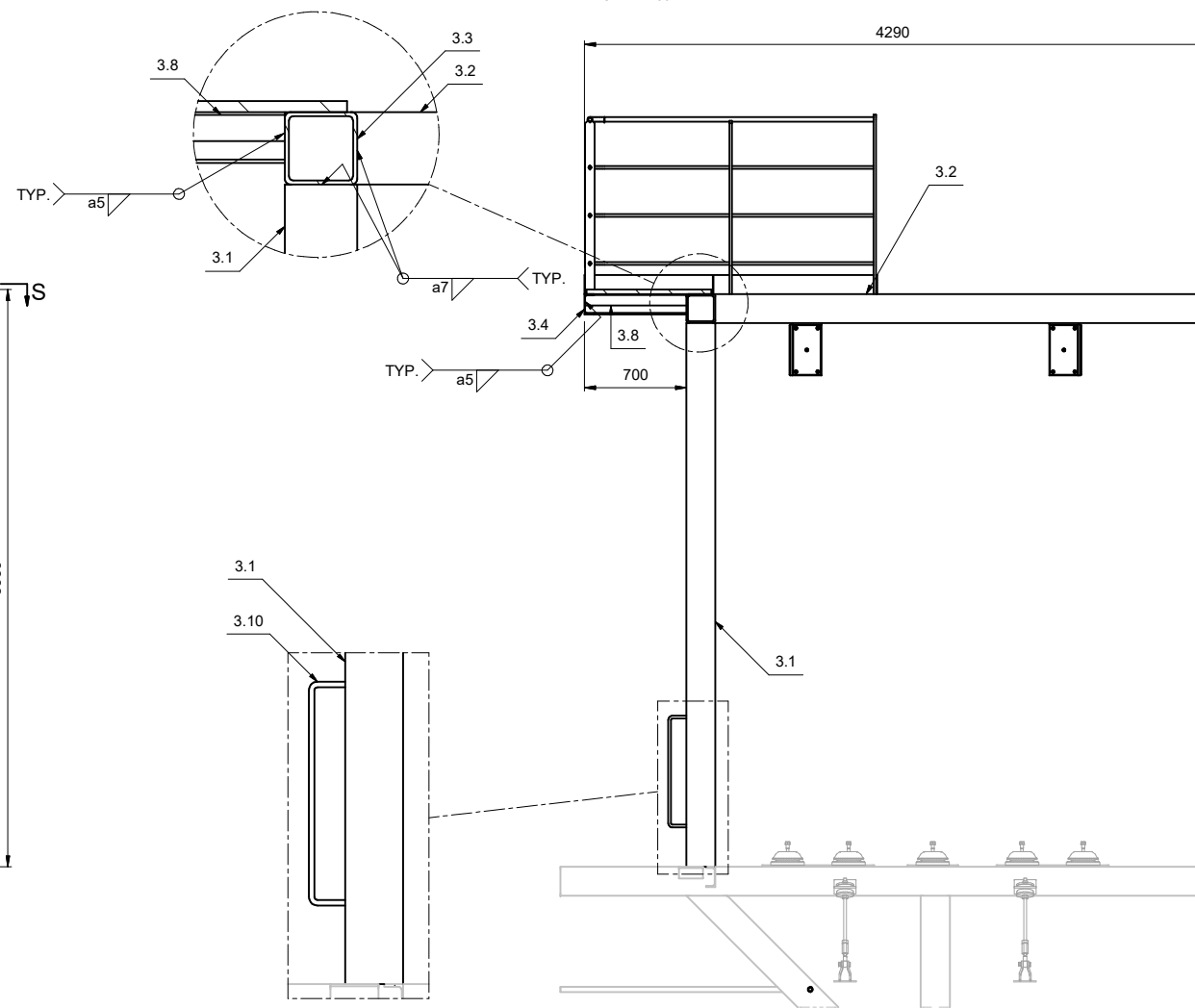
**SECTION R-R'**  
**TYPICAL WELD DETAIL**  
SCALE 1 : 30



**ISOMETRIC VIEW**



**FRONT VIEW**  
**FOUNDATION TOP ASSEMBLY + PLATFORM (1 SET.)**  
(WEIGHT=1821 Kg)  
SCALE 1 : 50

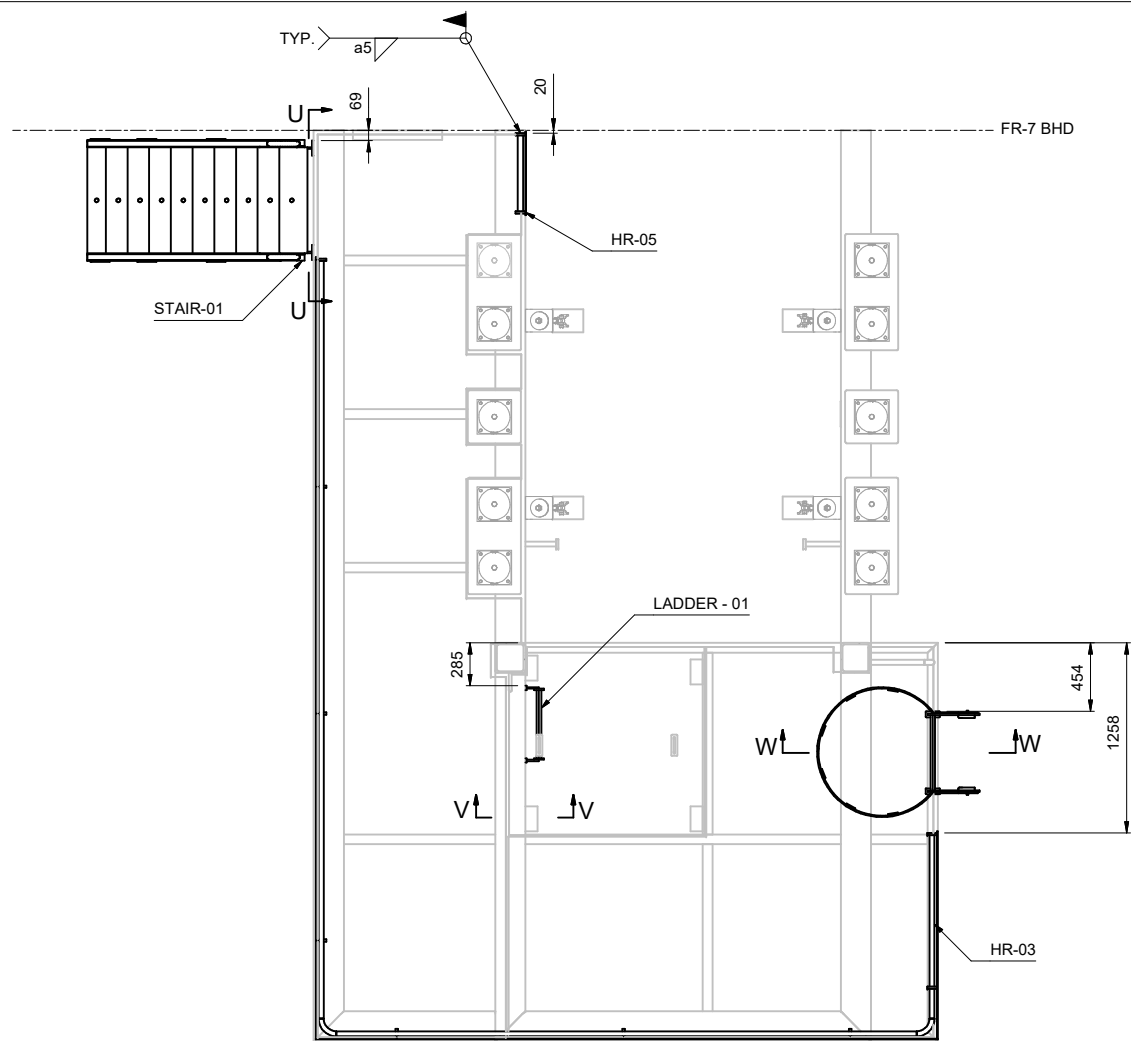


**SECTION T-T'**  
SCALE 1 : 50

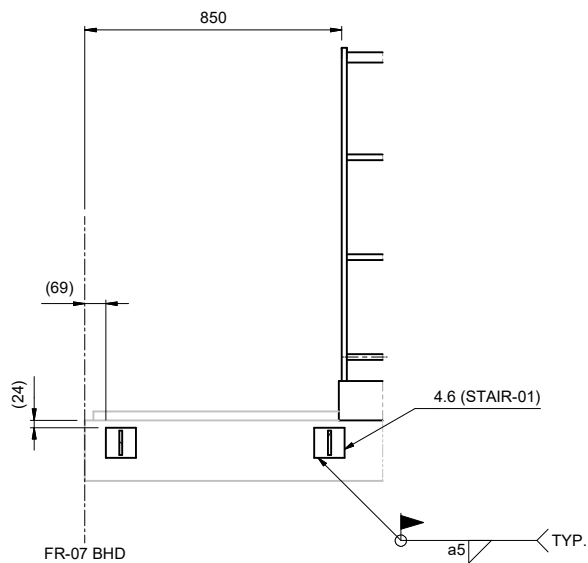
**REMARKS:**

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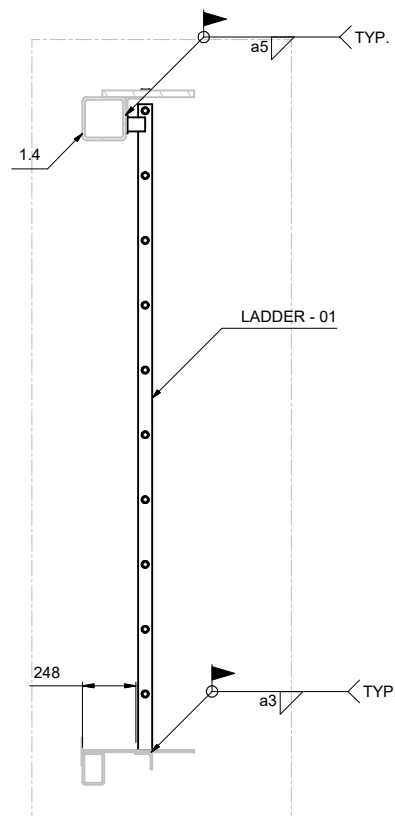
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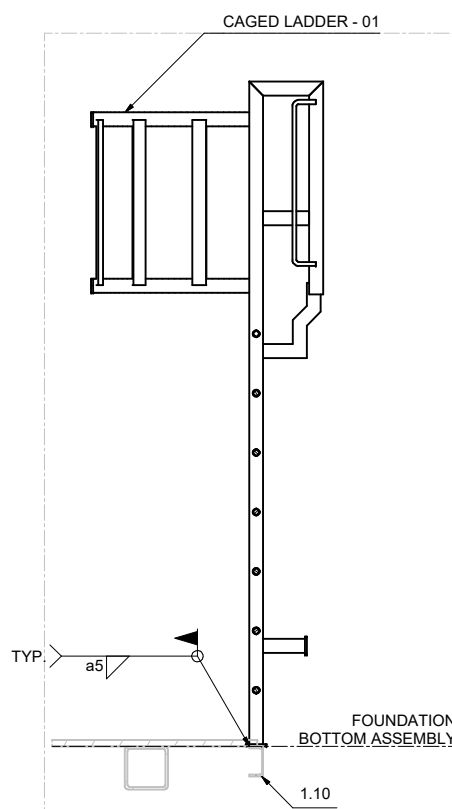
TOP VIEW  
MIDDLE PLATFORM  
SCALE 1 : 50



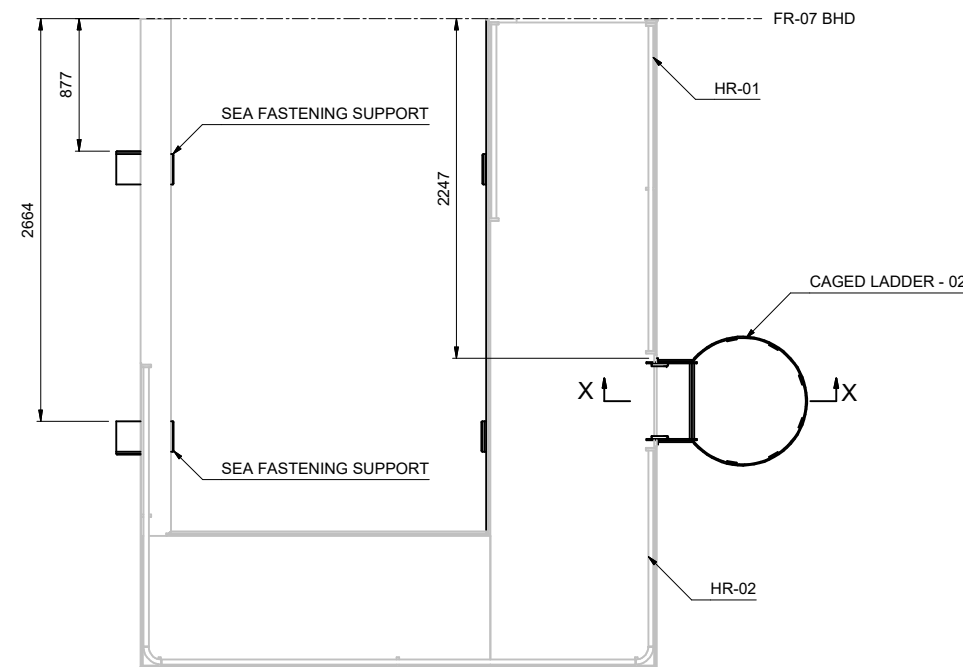
SECTION U-U'  
SCALE 1 : 25



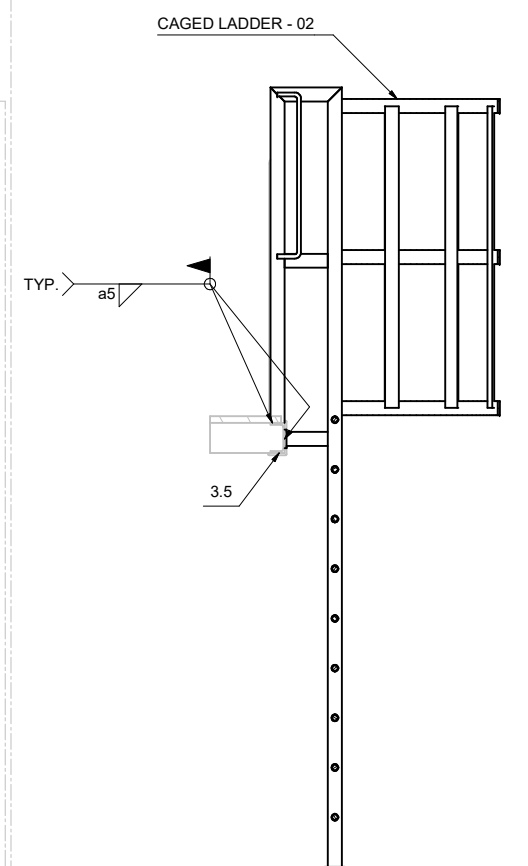
SECTION V-V'  
SCALE 1 : 35



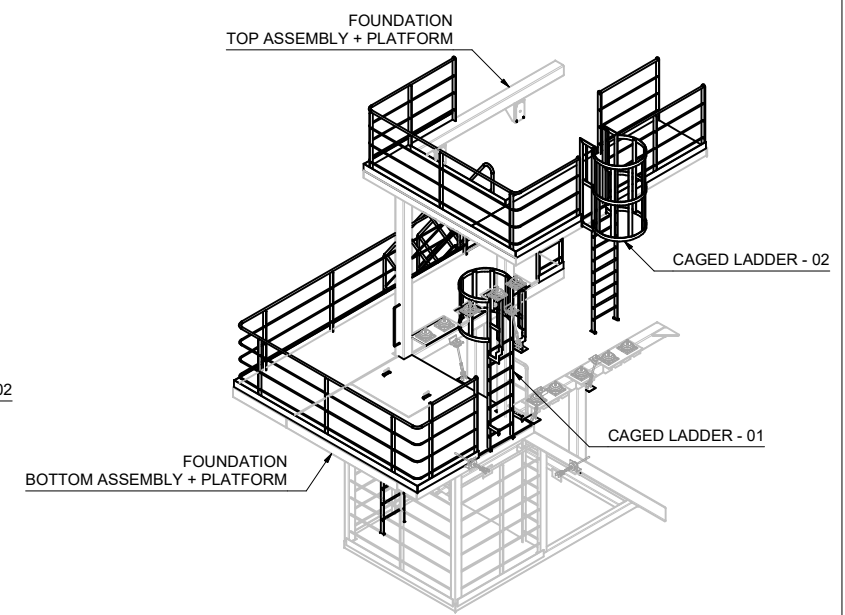
SECTION W-W'  
SCALE 1 : 35



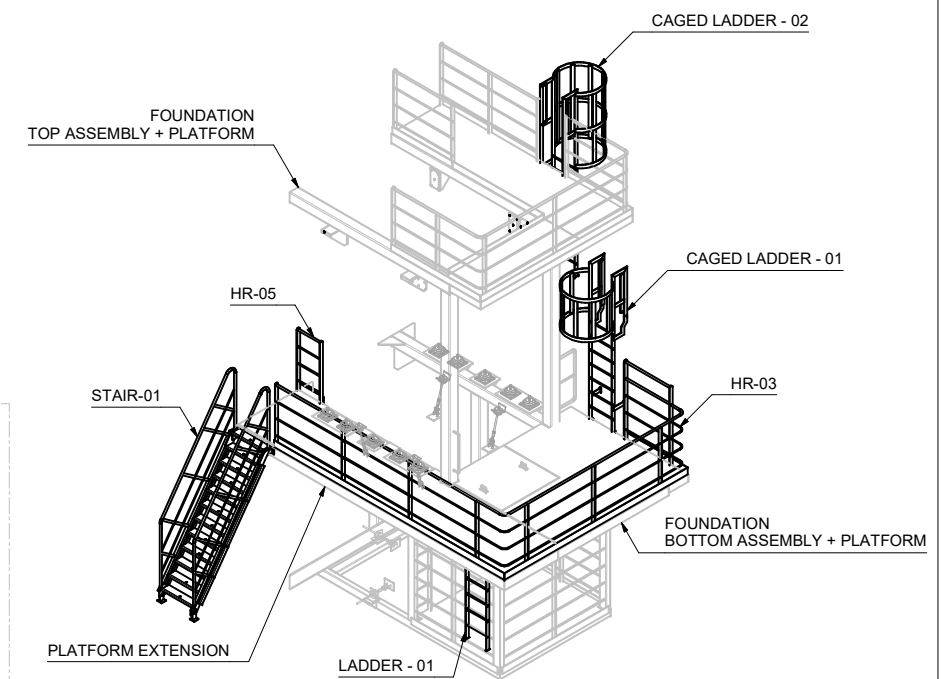
TOP VIEW OF TOP PLATFORM  
SCALE 1 : 50



SECTION X-X'  
SCALE 1 : 35



ISOMETRIC VIEW

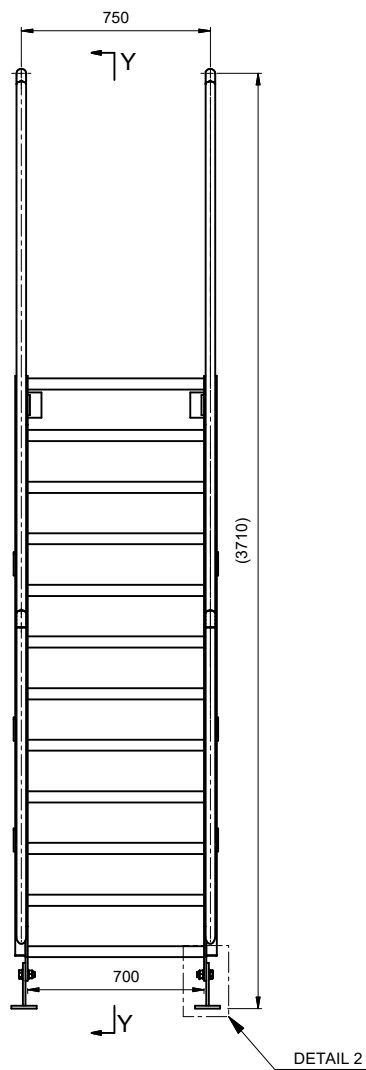


ISOMETRIC VIEW

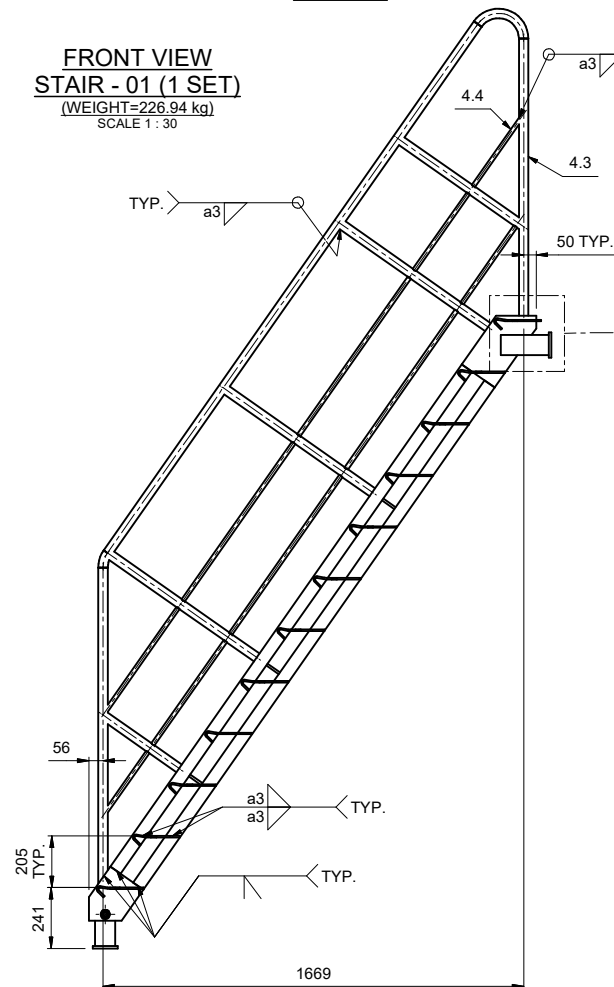
REMARKS:

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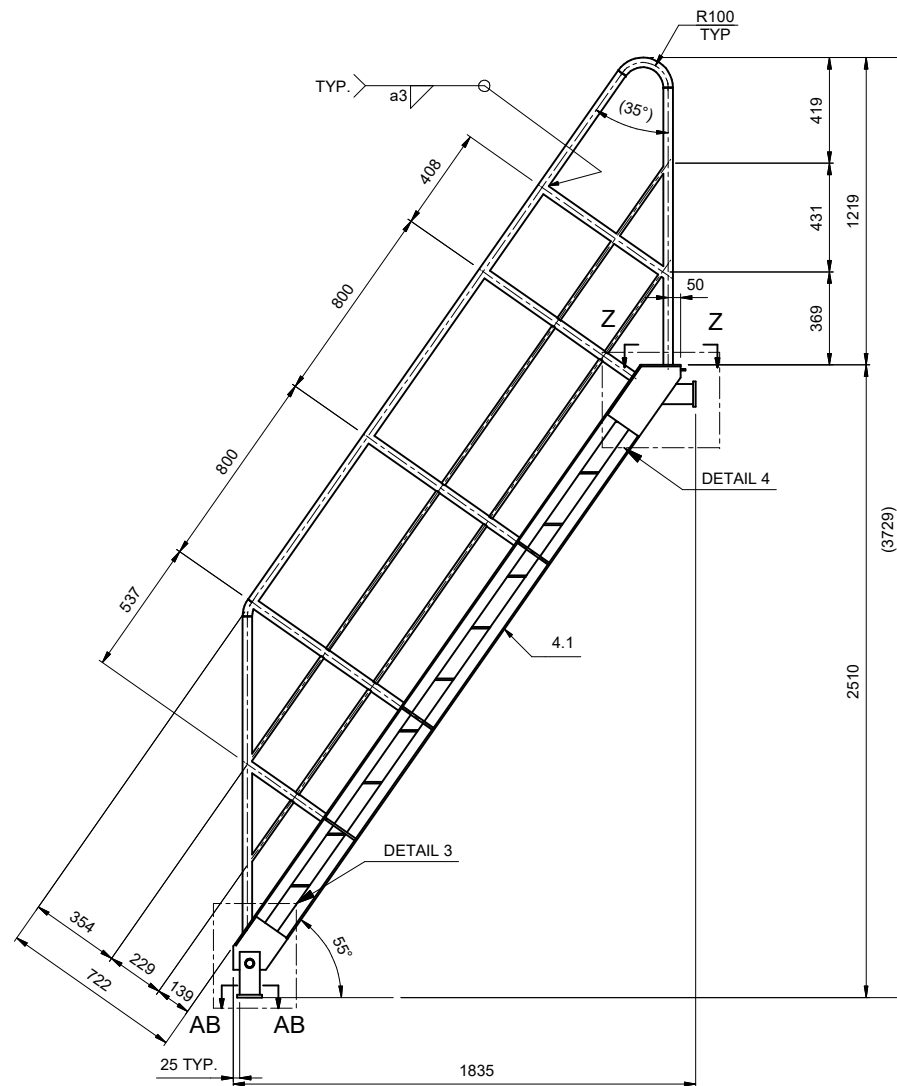
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
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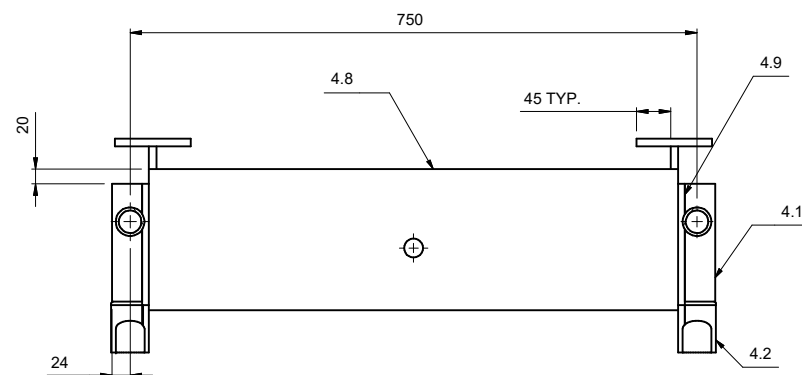
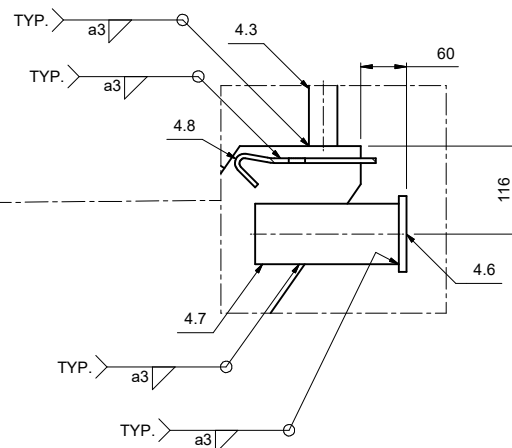
**FRONT VIEW**  
**STAIR - 01 (1 SET)**  
(WEIGHT=226.94 kg)  
SCALE 1 : 30



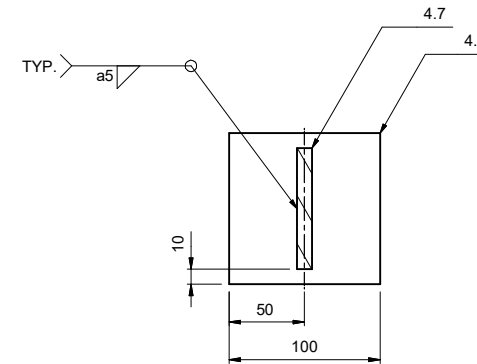
**SECTION Y-Y'**  
SCALE 1 : 30



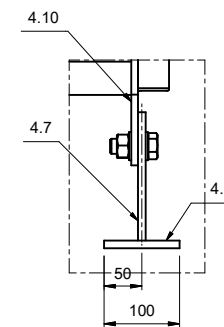
**SIDE VIEW**  
SCALE 1 : 30



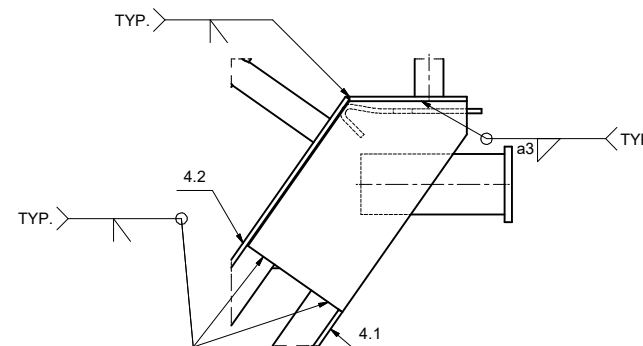
**SECTION Z-Z'**  
SCALE 1 : 10



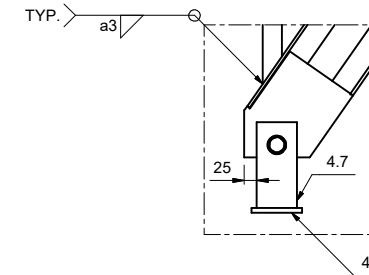
**SECTION AB-AB'**  
SCALE 1 : 5



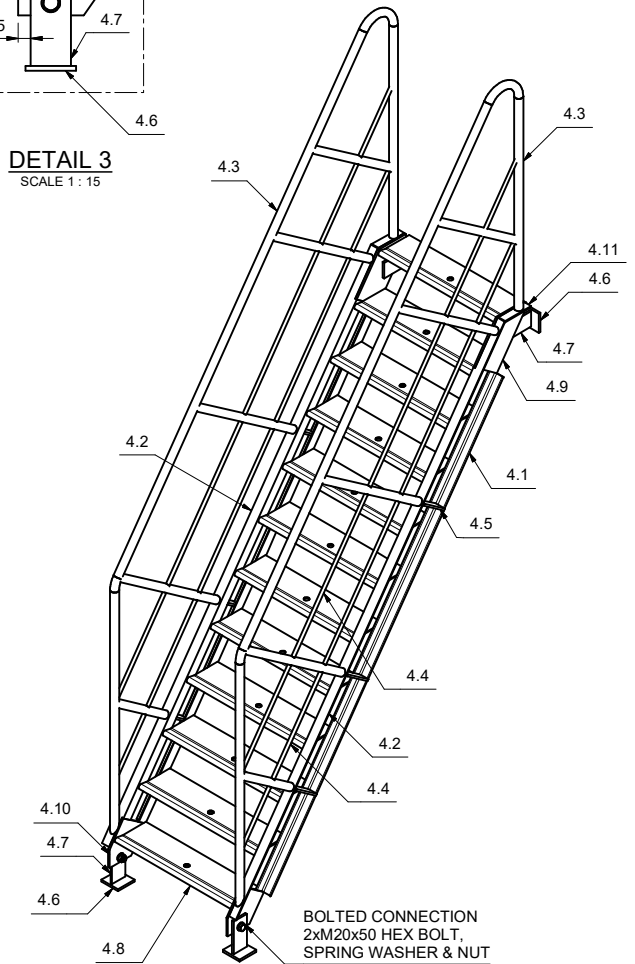
**DETAIL 2**  
SCALE 1 : 10



**DETAIL 4**  
SCALE 1 : 10



**DETAIL 3**  
SCALE 1 : 15




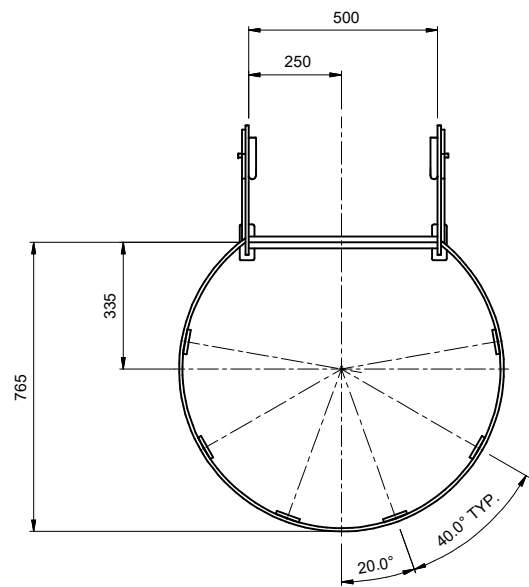
**ISOMETRIC VIEW**

BOLTED CONNECTION  
2xM20x50 HEX BOLT,  
SPRING WASHER & NUT

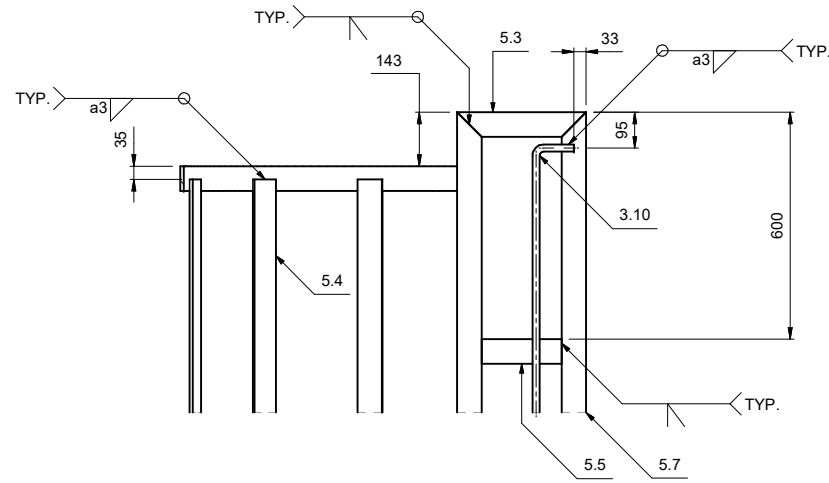
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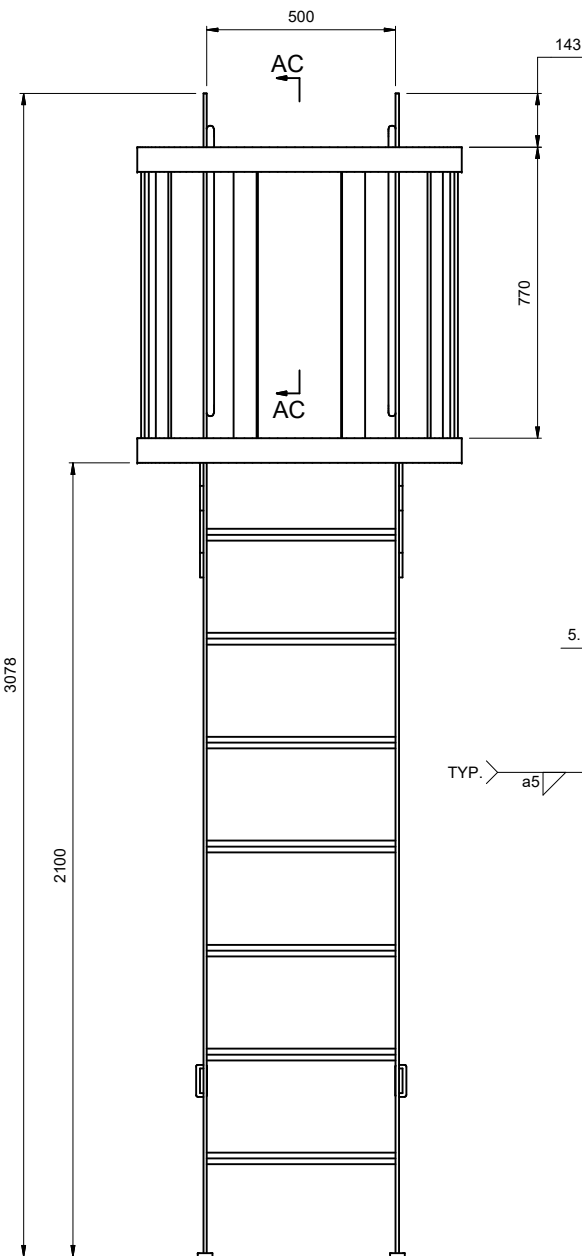
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
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CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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A3	N/A	VM5-062-DWG-110-003		11/22	00



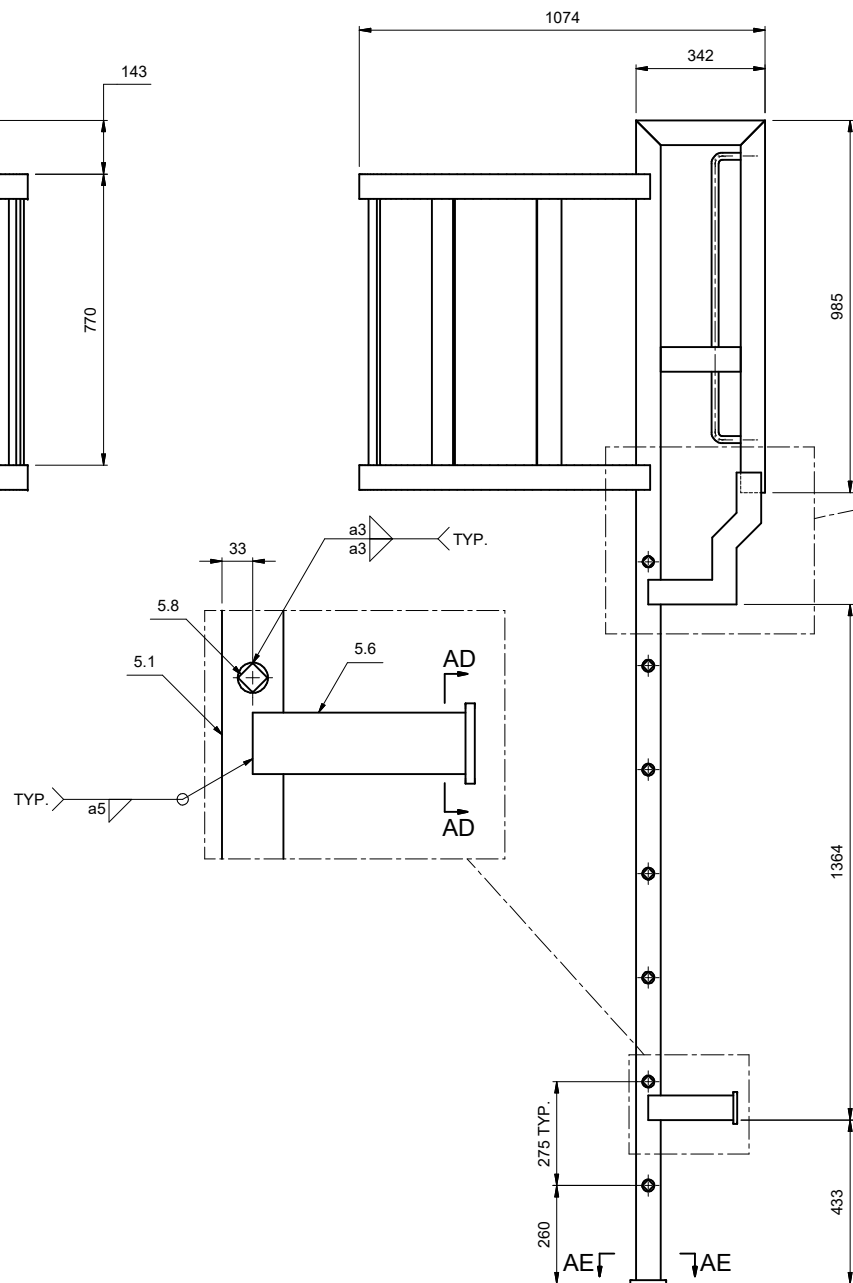
TOP VIEW  
SCALE 1 : 20



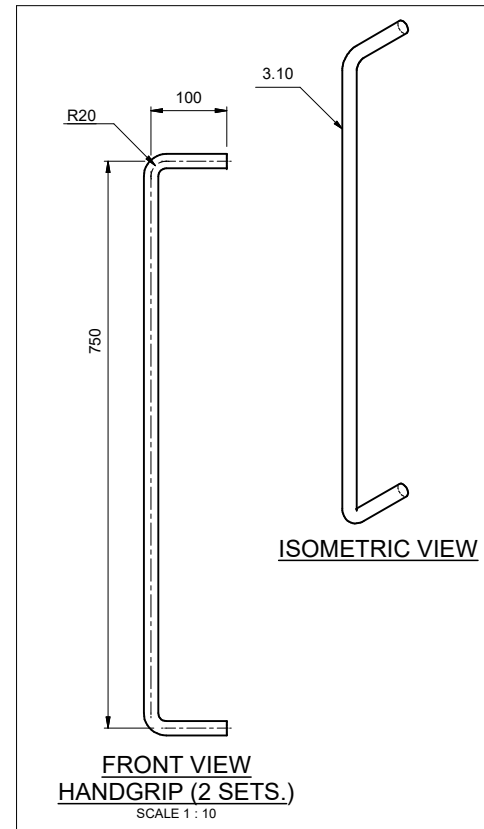
SECTION AC-AC'  
SCALE 1 : 20



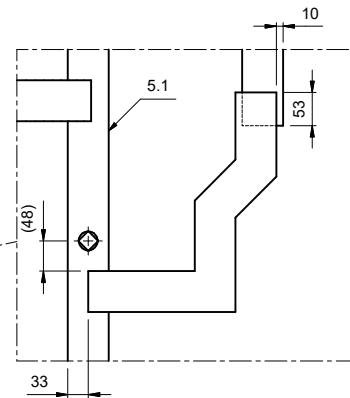
FRONT VIEW  
CAGED LADDER (1 SET.)  
(WEIGHT = 106.53 kg)  
SCALE 1 : 20



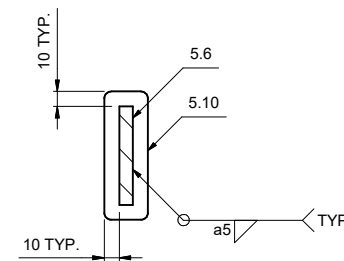
SIDE VIEW  
SCALE 1 : 20



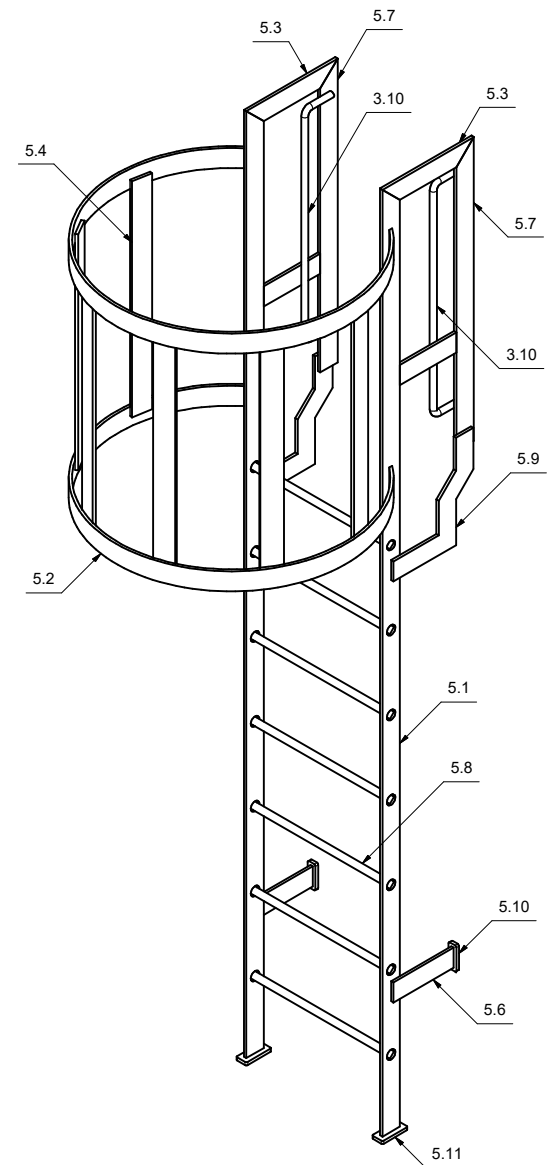
FRONT VIEW  
HANDGRIP (2 SETS.)  
SCALE 1 : 10



SECTION AD-AD'  
SCALE 1 : 5




SECTION AE-AE'  
SCALE 1 : 5



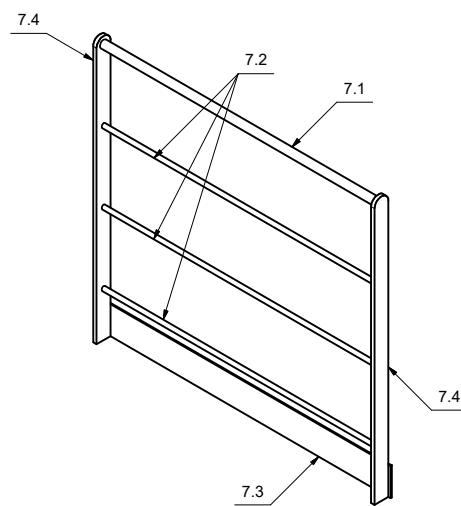
ISOMETRIC VIEW

REMARKS:

- ALL DIMENSIONS ARE IN mm
- REMOVE SHARP EDGES
- UNLESS INDICATED OTHERWISE ALL WELDS TO BE 5
- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.
- PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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SIZE:	SCALE:	DRAWING NUMBER		SHEET:	REVISION:
A3	N/A	VM5-062-DWG-110-003		12/22	00

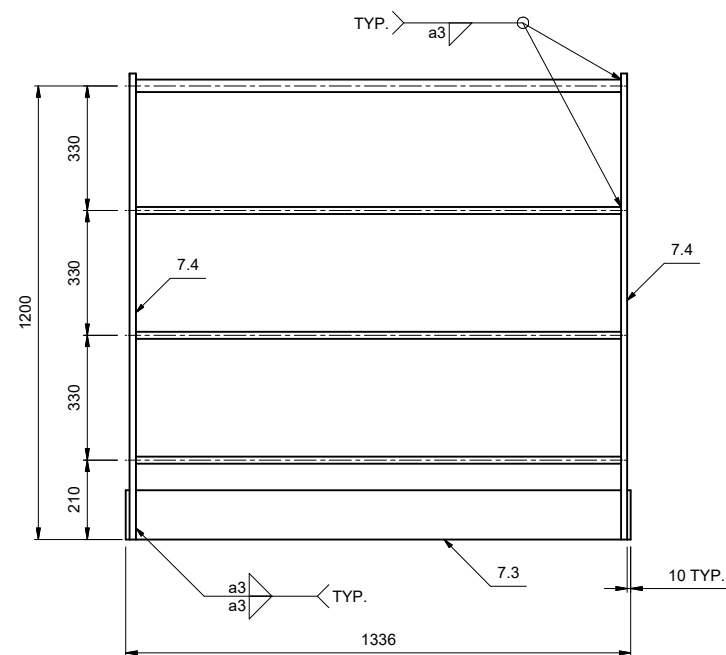




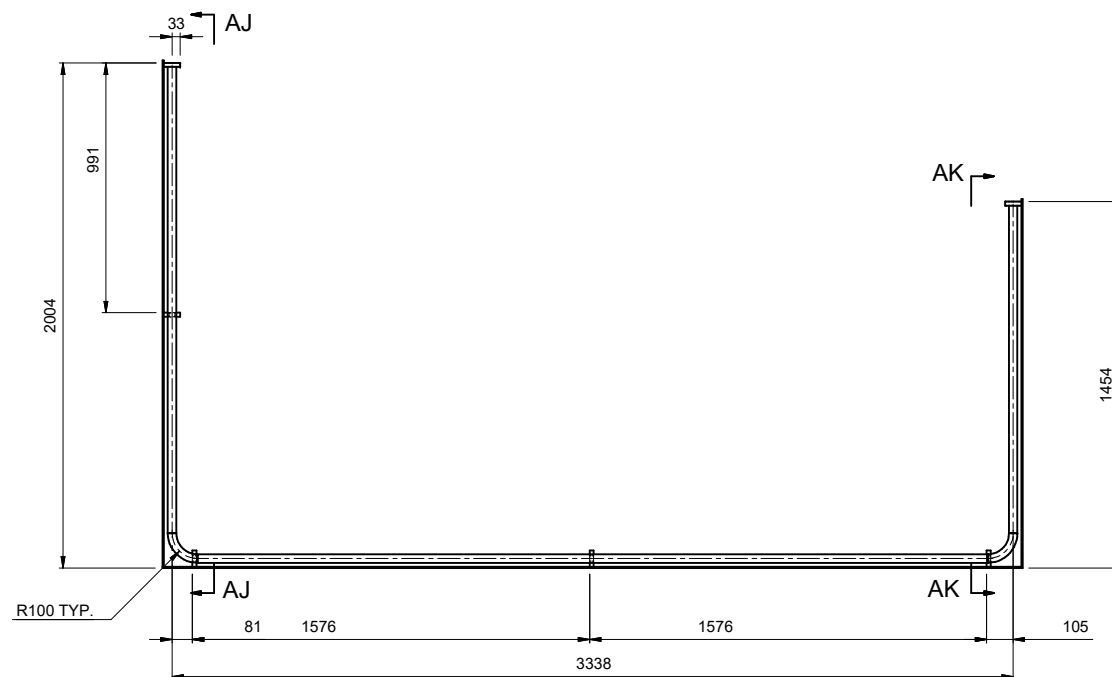
ISOMETRIC VIEW



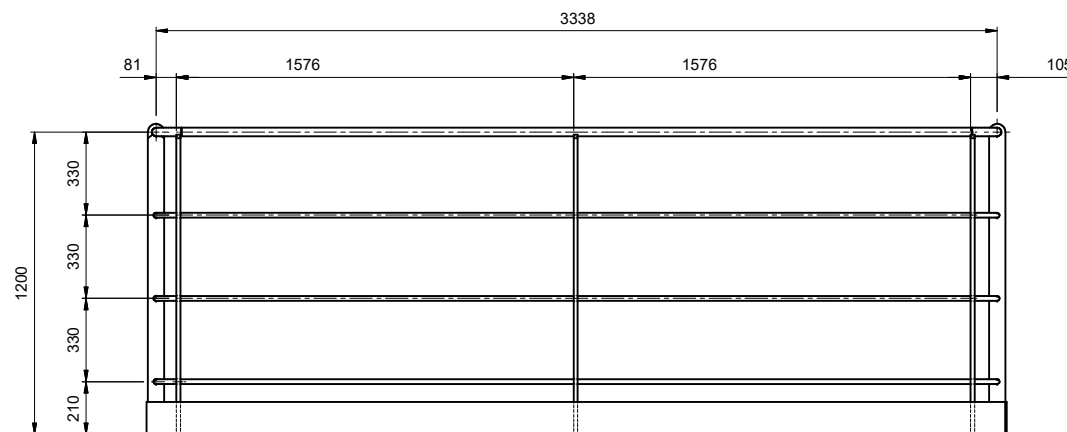
TOP VIEW  
SCALE 1 : 20



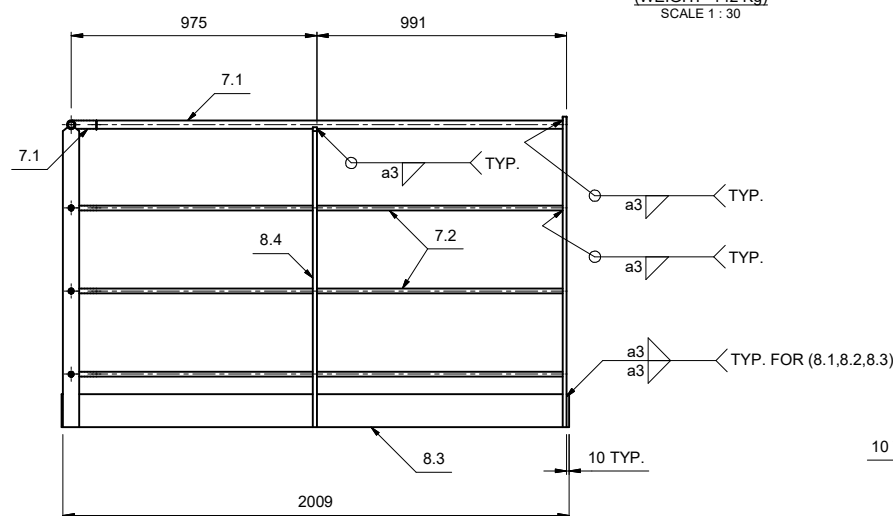
FRONT VIEW  
HANDRAIL-01 (1 SET)  
(WEIGHT=38.9 Kg)  
SCALE 1 : 20



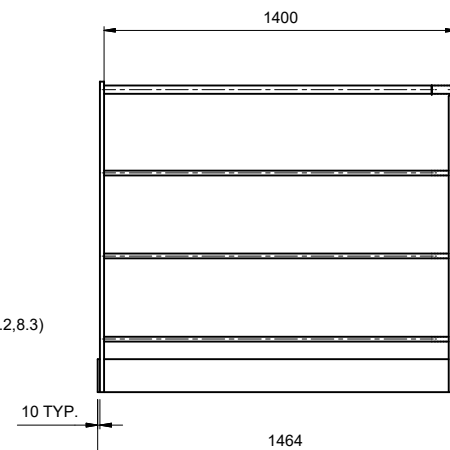
TOP VIEW  
SCALE 1 : 30



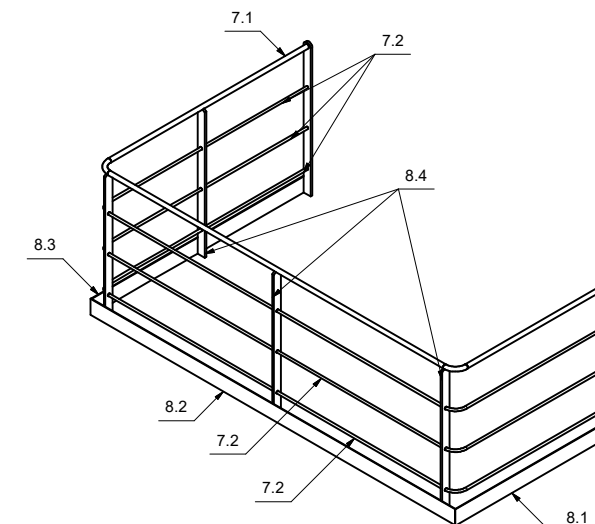
FRONT VIEW  
HANDRAIL-02 (1 SET)  
(WEIGHT=142 Kg)  
SCALE 1 : 30



SECTION AJ-AJ'  
SCALE 1 : 30




SECTION AK-AK'  
SCALE 1 : 30

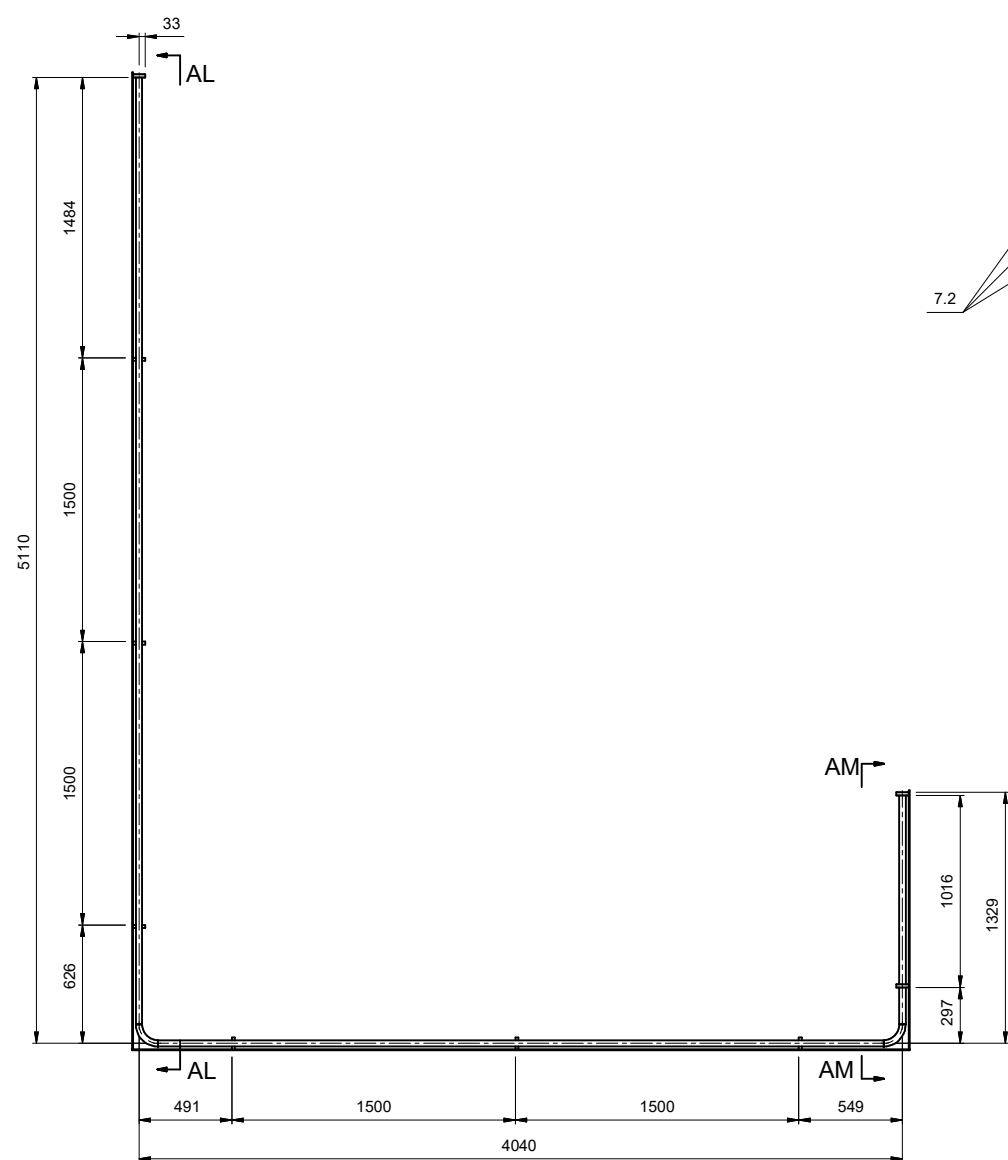


ISOMETRIC VIEW

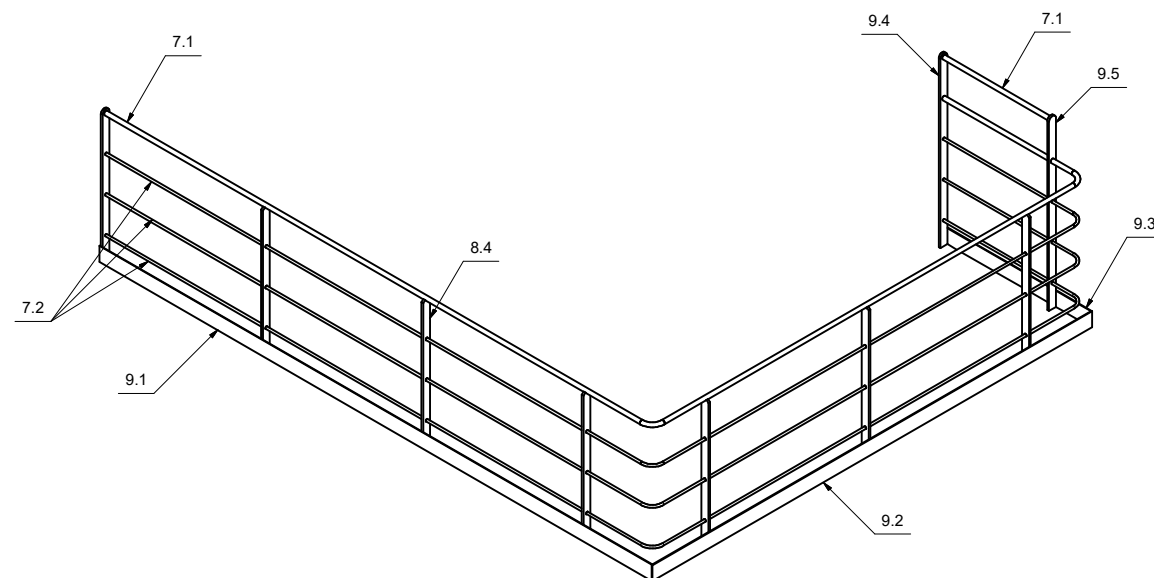
REMARKS:

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- PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

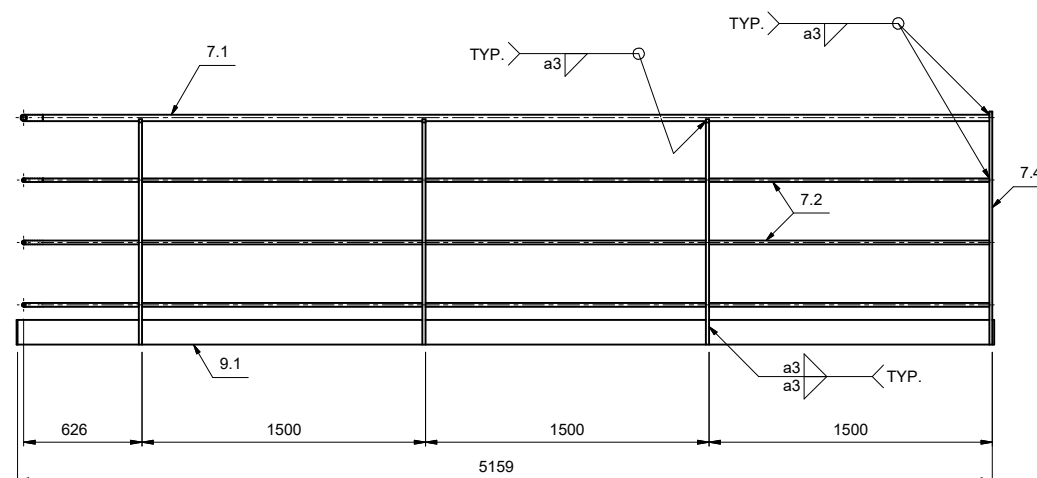
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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A3	N/A	VM5-062-DWG-110-003		14/22	00



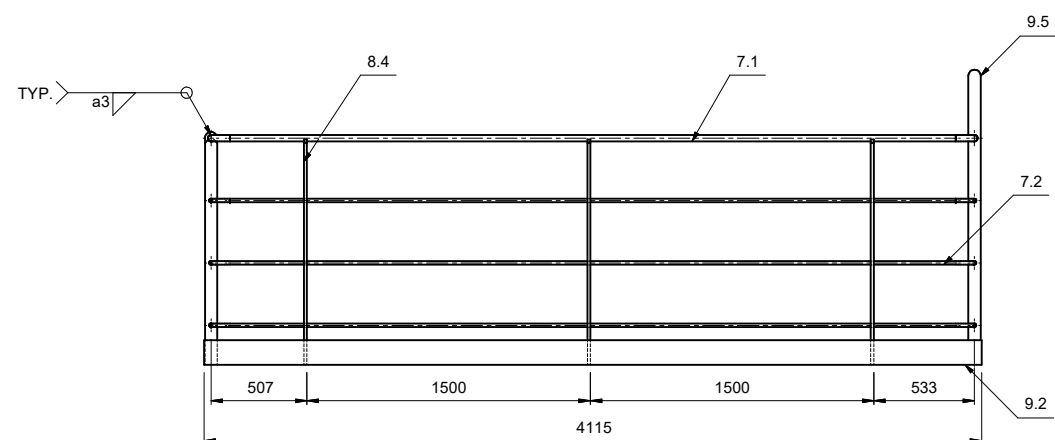
TOP VIEW  
SCALE 1 : 40



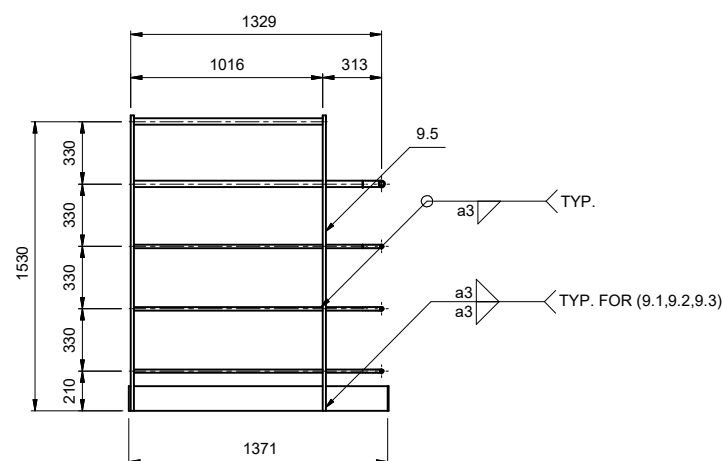
ISOMETRIC VIEW



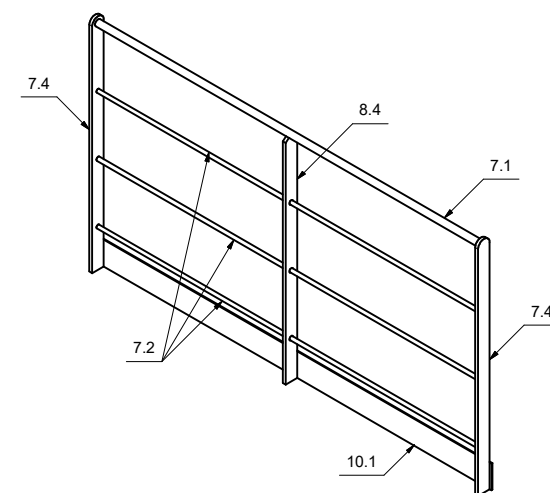
SECTION AL-AL'  
SCALE 1 : 40



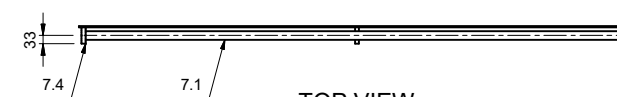
FRONT VIEW  
HANDRAIL-03 (1 SET)  
(WEIGHT-225.7 Kg)  
SCALE 1 : 40



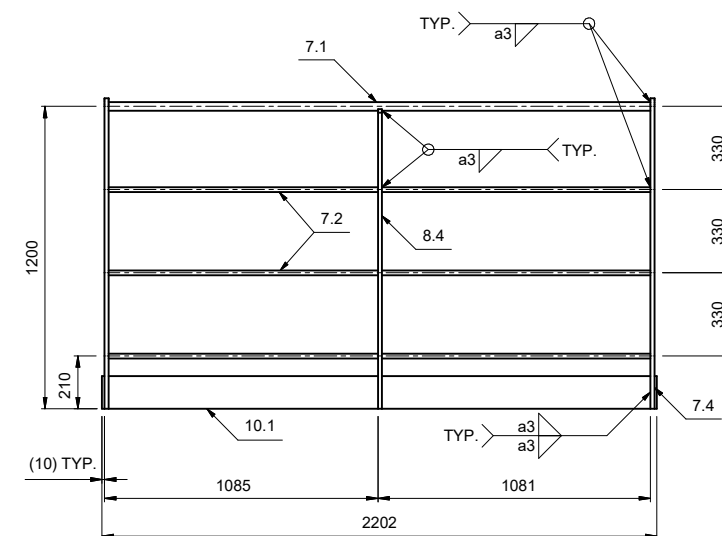
SECTION AM-AM'  
SCALE 1 : 40



ISOMETRIC VIEW




TOP VIEW  
SCALE 1 : 30

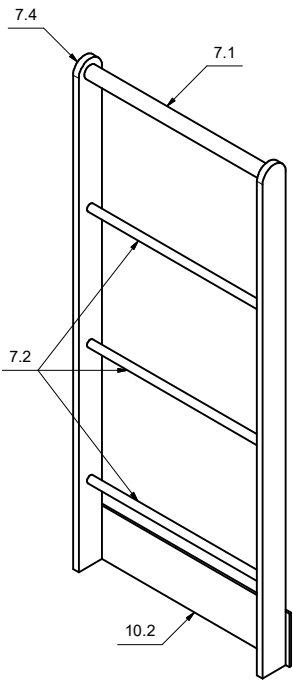


FRONT VIEW  
HANDRAIL-04 (1 SET)  
(WEIGHT-56.62 kg)  
SCALE 1 : 30

REMARKS:

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- REMOVE SHARP EDGES
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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1.
- PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

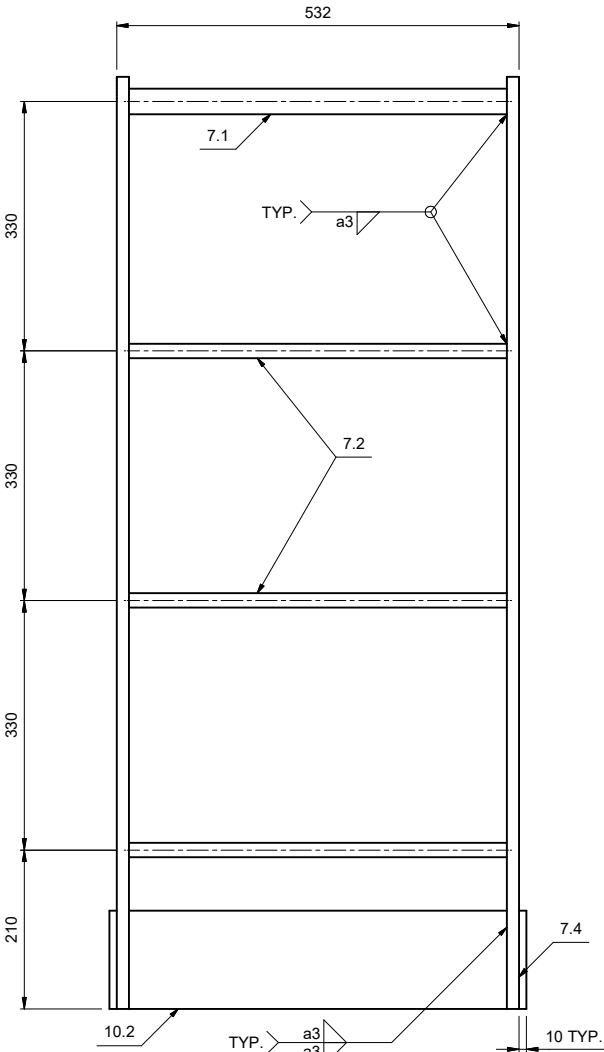
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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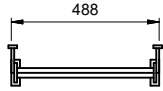
ISOMETRIC VIEW



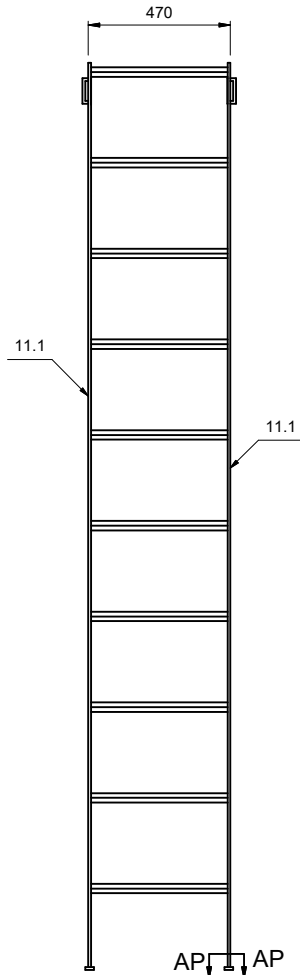
TOP VIEW  
SCALE 1 : 10



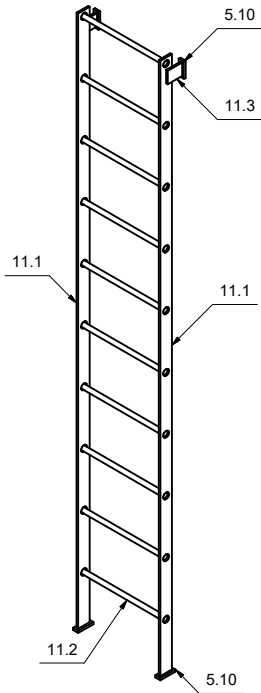
FRONT VIEW  
HANDRAIL-05 (1 SET.)  
(WEIGHT=26.51 kg)  
SCALE 1 : 10



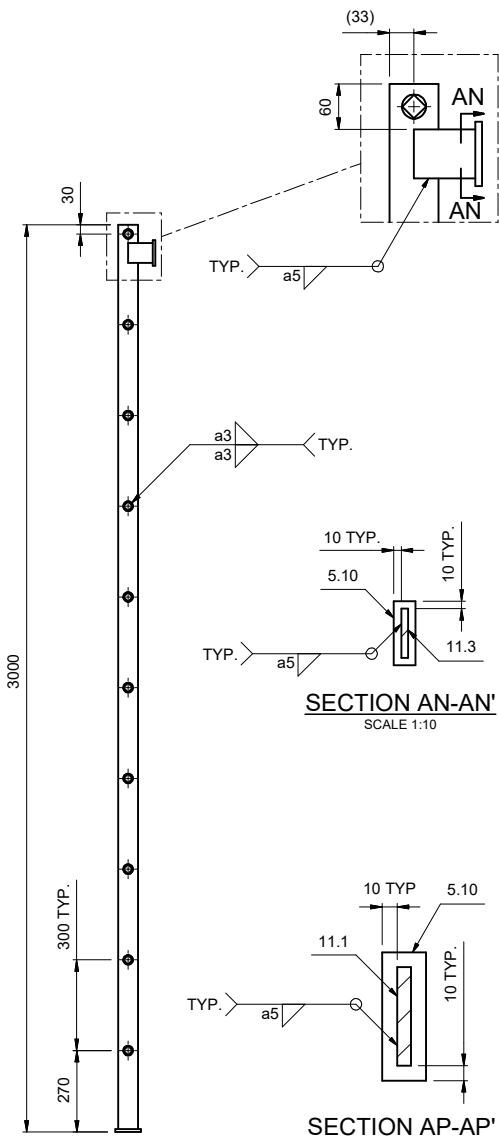
TOP VIEW  
SCALE 1 : 25



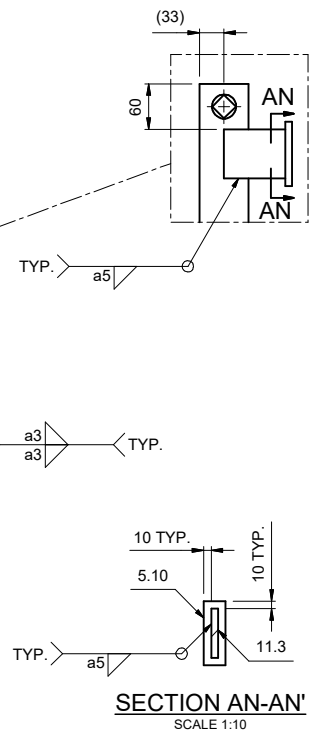
FRONT VIEW  
LADDER ASSEMBLY (1 SET.)  
(WEIGHT=45.32 kg)  
SCALE 1 : 25



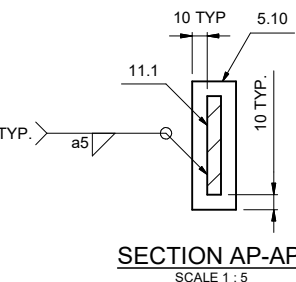
ISOMETRIC VIEW



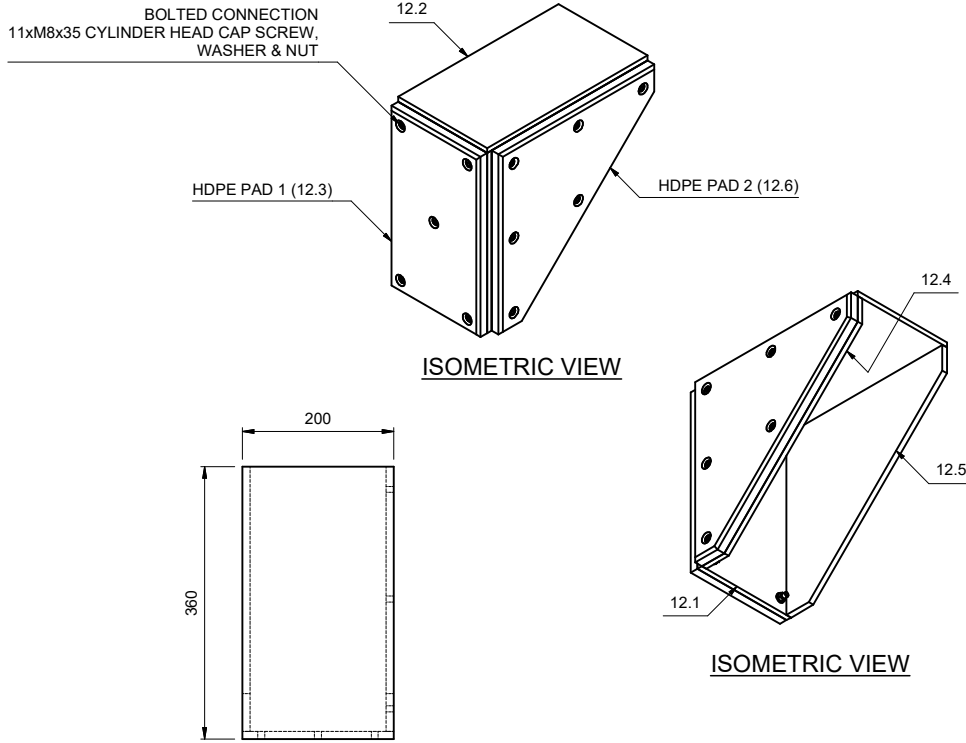
SIDE VIEW  
SCALE 1 : 25



SECTION AN-AN'  
SCALE 1:10

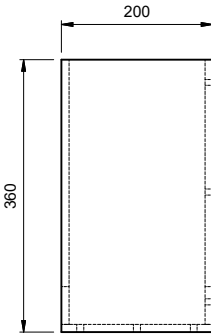


SECTION AP-AP'  
SCALE 1 : 5

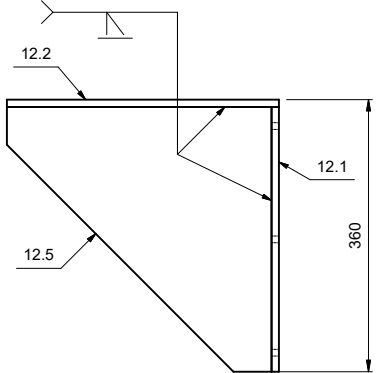


ISOMETRIC VIEW

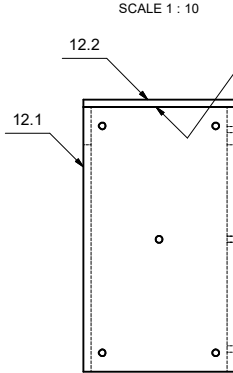
ISOMETRIC VIEW



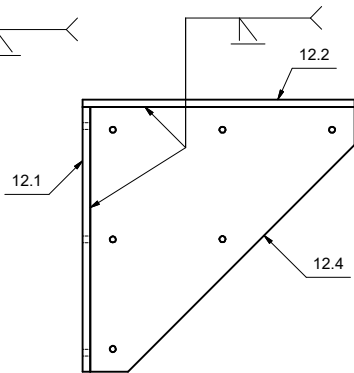
TOP VIEW  
SCALE 1 : 10



LEFT SIDE VIEW  
SCALE 1 : 10



FRONT VIEW




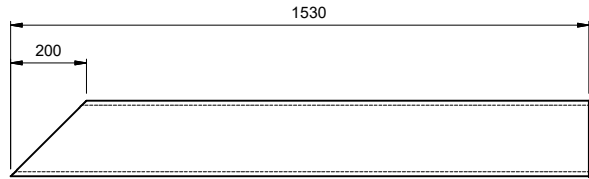
RIGHT SIDE VIEW  
SCALE 1 : 10

SEAFASTENING SUPPORT  
(WEIGHT = 26.33 kg/SET)  
SCALE 1 : 10  
(HDPE PAD HIDDEN FOR CLARITY)  
2 SET. AS SHOWN AND 2 SET. AS MIRRORED

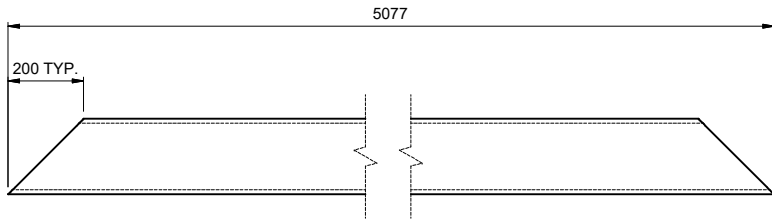
REMARKS:

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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1. PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

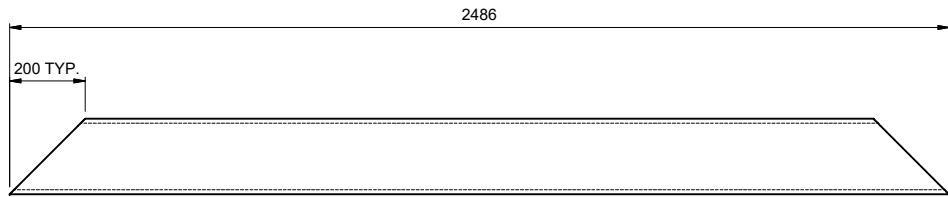
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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A3	N/A	VM5-062-DWG-110-003		16/22	00



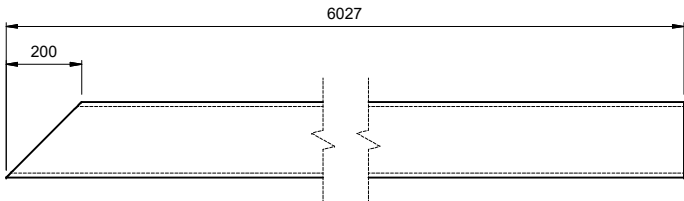
1.1 SHS 200x200x12 (2 PCS.)  
SCALE 1 : 20



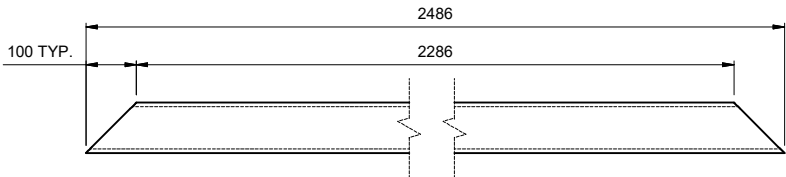
1.2 SHS 200x200x12 (2 PCS.)  
SCALE 1 : 20



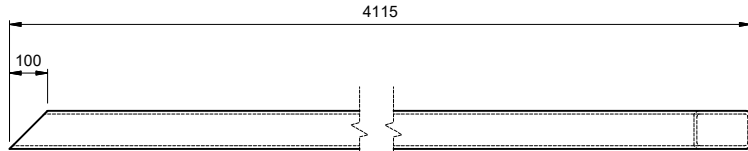
1.3 SHS 200x200x12 (1 PC.)  
SCALE 1 : 20



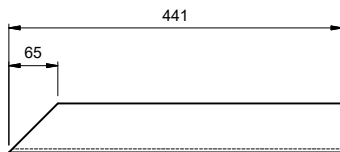
1.4 SHS 200x200x12 (3 PCS.)  
SCALE 1 : 20



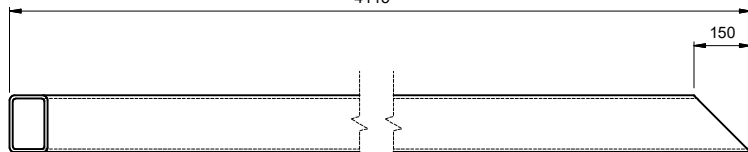
1.5 RHS 150x100x8 (1 PC.)  
SCALE 1 : 15



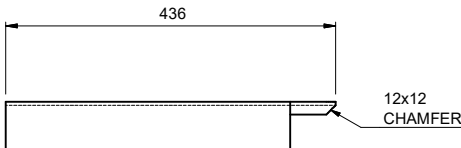
TOP VIEW  
SCALE 1 : 20



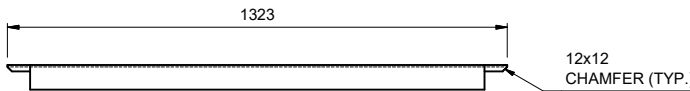
1.9 UPE 140 (1 PC.)  
SCALE 1 : 10



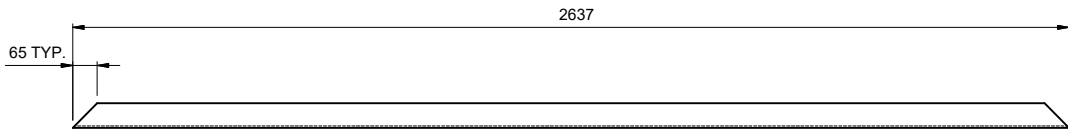
1.6 RHS 150x100x8 (2 PCS.)  
SCALE 1 : 20



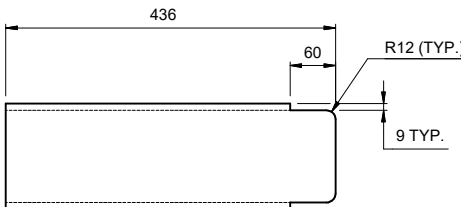
TOP VIEW  
SCALE 1 : 10



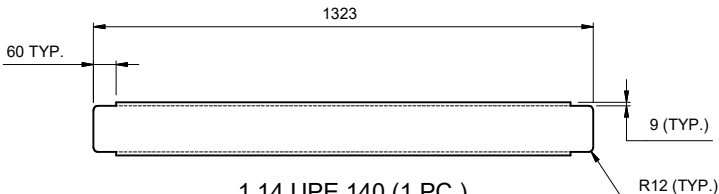
TOP VIEW  
SCALE 1 : 20



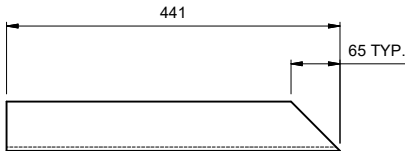
1.10 UPE 140 (1 PC.)  
SCALE 1 : 20



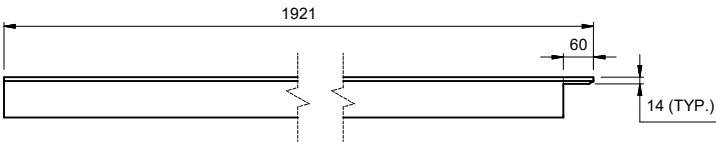
1.11 UPE 140 (1 PC.)  
SCALE 1 : 10



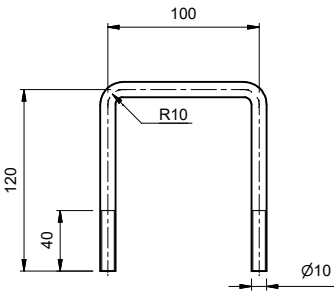
1.14 UPE 140 (1 PC.)  
SCALE 1 : 20



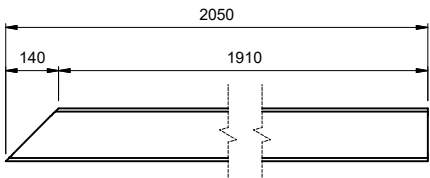
1.16 UPE 140 (1 PC.)  
SCALE 1 : 10



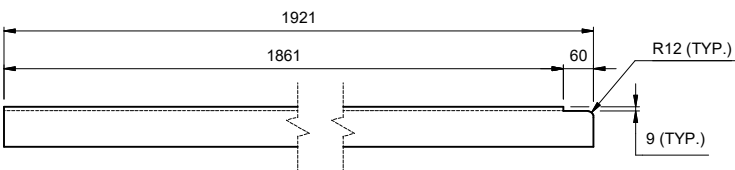
TOP VIEW  
SCALE 1 : 15



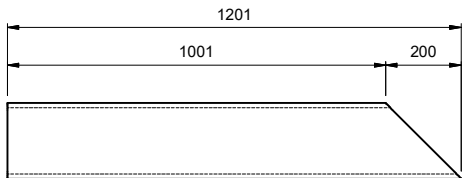
1.21 ROD Ø10 (2 PCS.)  
SCALE 1 : 5



1.17 UPE 140 (2 PCS.)  
SCALE 1 : 20



1.19 L80x80x8 (3 PCS.)  
SCALE 1 : 15

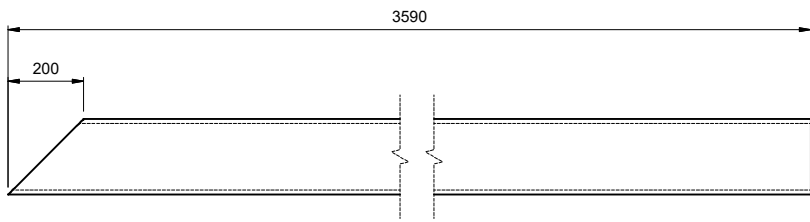


2.1 SHS 200x200x12 (1 PC.)  
SCALE 1 : 20

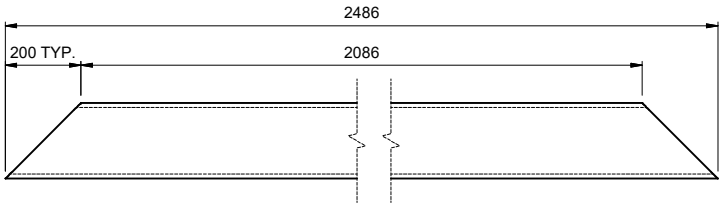
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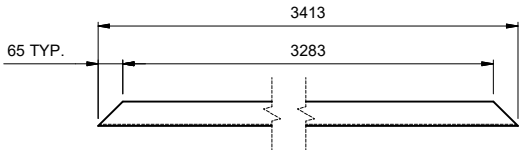
00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
<div><div>VM</div><div>Value Maritime</div></div>			NOTICE: This drawing and the information it contains are the property of Value Maritime and may not be reproduced or used in part or in whole for any purpose except by written permission of this company.		
SIZE:	SCALE:	DRAWING NUMBER		SHEET:	REVISION:
A3	N/A	VM5-062-DWG-110-003		17/22	00



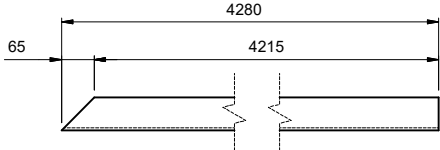
3.2 SHS 200x200x12 (2PCS.)  
SCALE 1 : 20



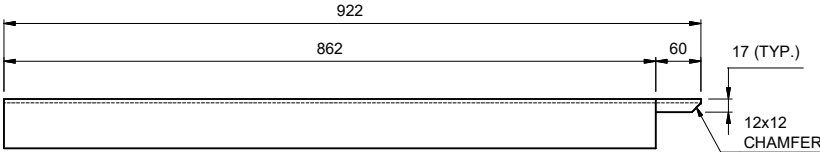
3.3 SHS 200x200x12 (1 PC.)  
SCALE 1 : 20



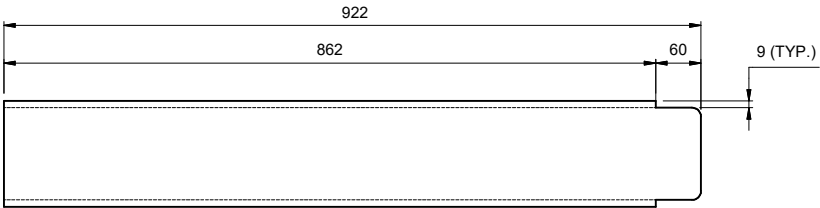
3.4 UPE 140 (1 PC.)  
SCALE 1 : 20



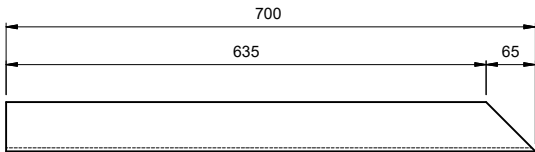
3.5 UPE 140 (1 PC.)  
SCALE 1 : 15



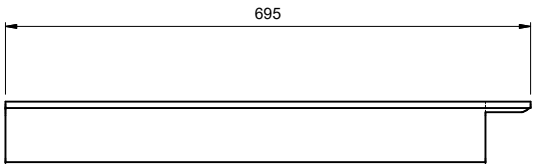
TOP VIEW  
SCALE 1 : 10



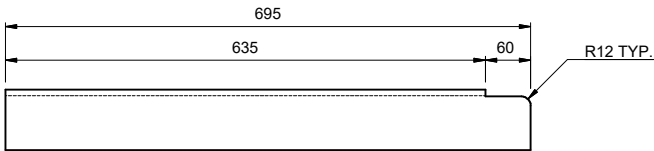
3.6 UPE 140 (3 PCS.)  
SCALE 1 : 10



3.7 UPE 140 (1 PC.)  
SCALE 1 : 10



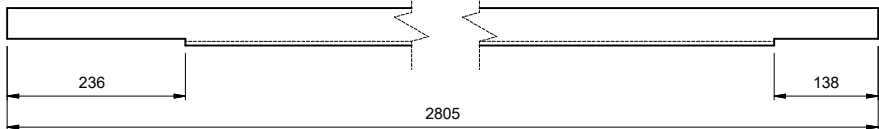
TOP VIEW  
SCALE 1 : 10



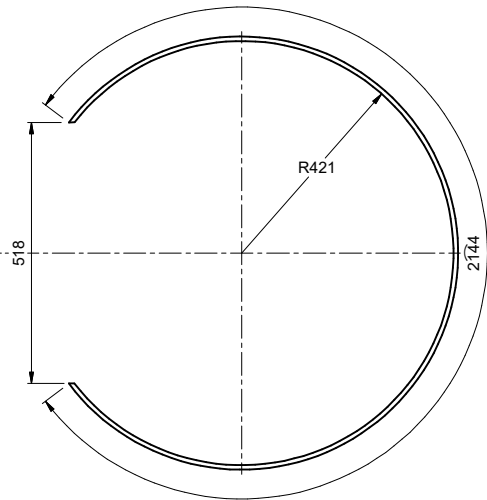
3.8 L80x80x8 (3 PCS.)  
SCALE 1 : 10



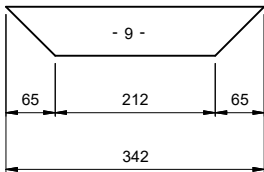
TOP VIEW  
SCALE 1 : 10



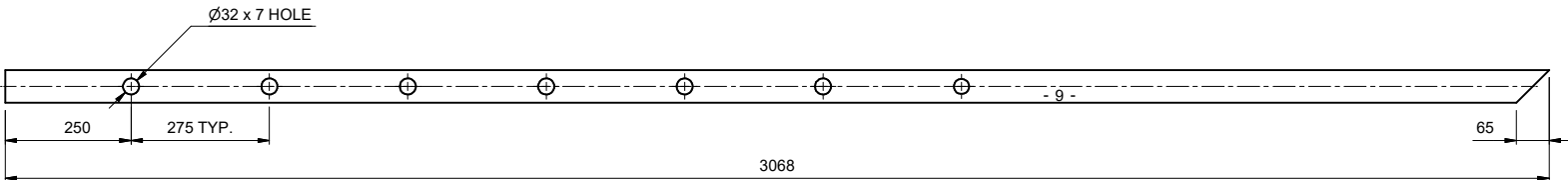
4.2 L50x50x6 (2 PCS.)  
SCALE 1 : 10



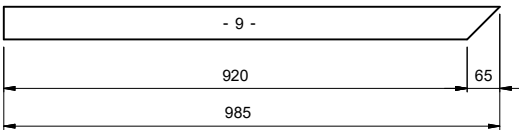
5.2 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15



5.3 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 10




5.1 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15

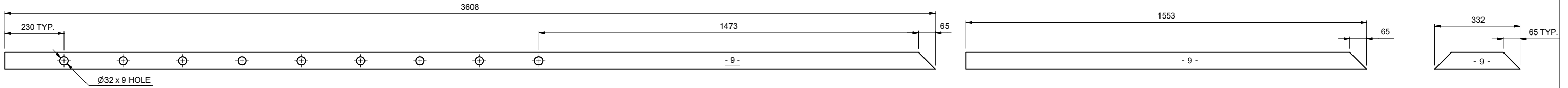


5.7 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15

REMARKS:

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- SA2.5 SHOT BLASTING ACCORDING TO ISO 8501-1. PRIMER AS PER C4 PAINTING NORMS
- ( ) MARKED DIMENSION TO BE VERIFIED ON SITE.

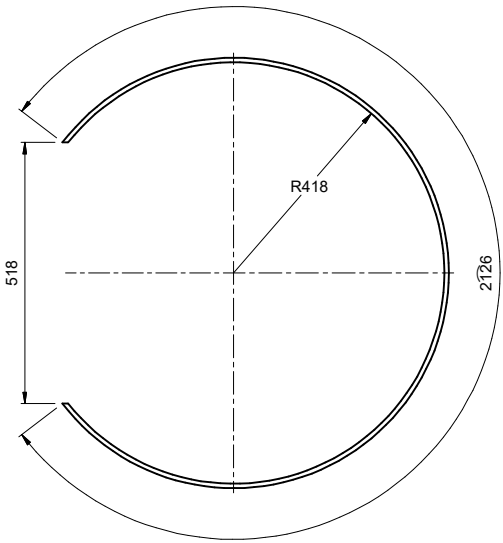
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REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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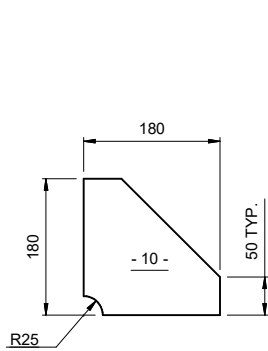
6.1 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15

6.3 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15

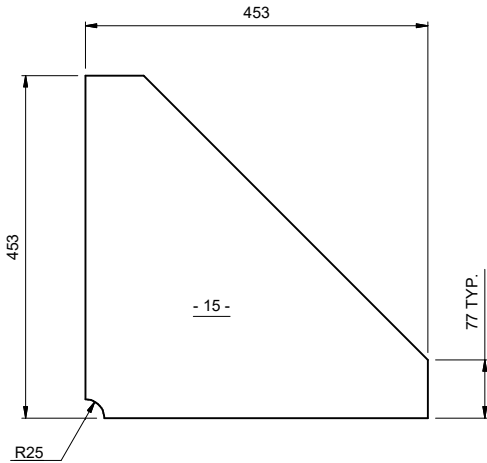
6.4 FLAT BAR 65 x 9 (2 PCS.)  
SCALE 1 : 15



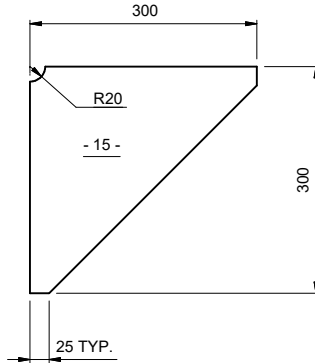
6.6 FLAT BAR 65 x 9 (3 PCS)  
SCALE 1 : 15



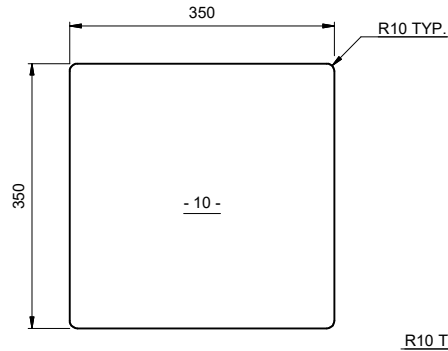
1.22 STIFFENER 1 (20 PCS)  
SCALE 1 : 10



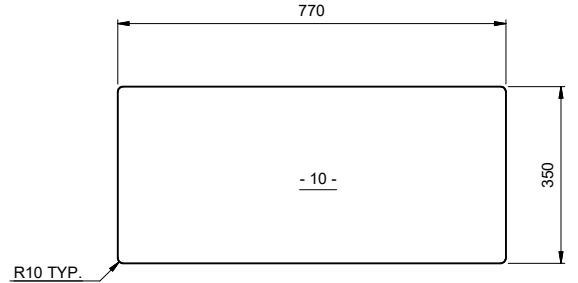
1.23 BRACKET 1 (2 PCS)  
SCALE 1 : 10



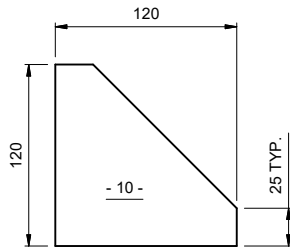
1.24 BRACKET 2 (4 PCS.)  
SCALE 1 : 10



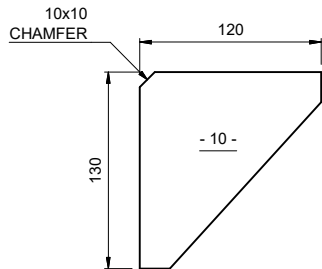
1.25 PLATE 1 (2 PCS)  
SCALE 1 : 10



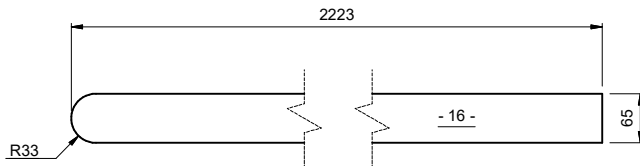
1.26 PLATE 2 (4 PCS)  
SCALE 1 : 15



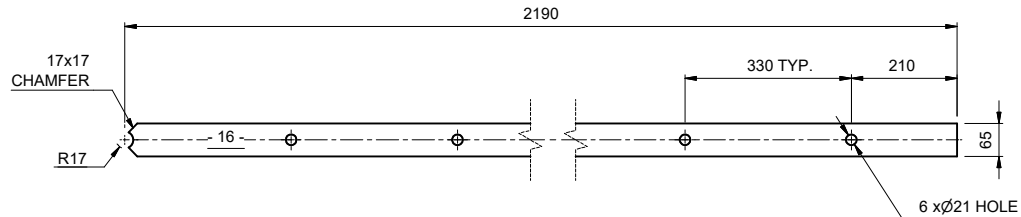
1.27 BRACKET 3 (4 PCS)  
SCALE 1 : 5



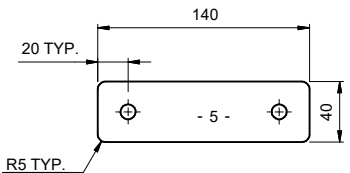
1.29 BRACKET 4 (4 PCS.)  
SCALE 1 : 5



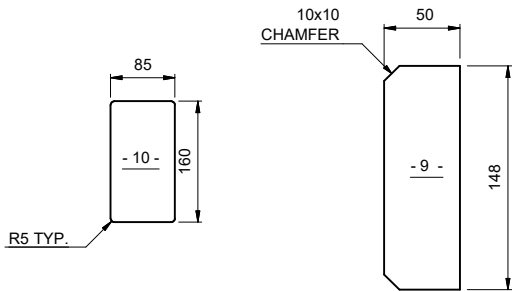
1.31 END STANCHION 1 (2 PCS)  
SCALE 1 : 10



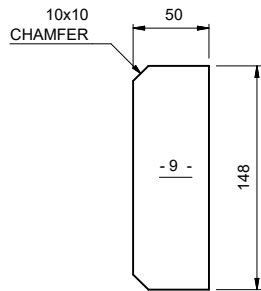
1.32 STANCHION 1 (3 PCS)  
SCALE 1 : 15



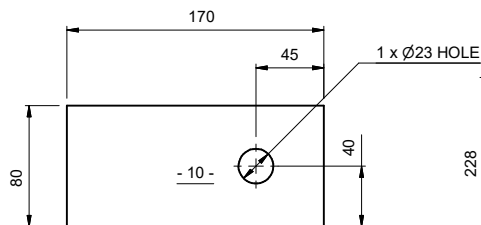
1.37 GRATING PLATE (2 PCS.)  
SCALE 1 : 5



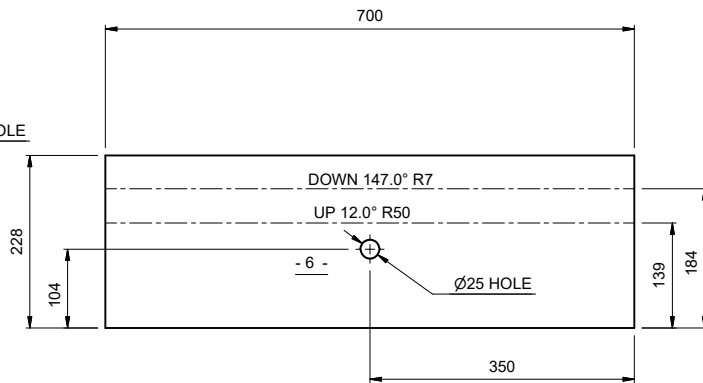
3.9 END PLATE 1 (1 PC)  
SCALE 1 : 10



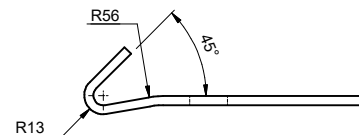
4.5 BRACKET 5 (6 PCS)  
SCALE 1 : 5



4.7 LOWER LUG 1 (4 PCS)  
SCALE 1 : 5




FLAT PATTERN  
4.8 STAIR TREAD (12 PCS)  
SCALE 1 : 10

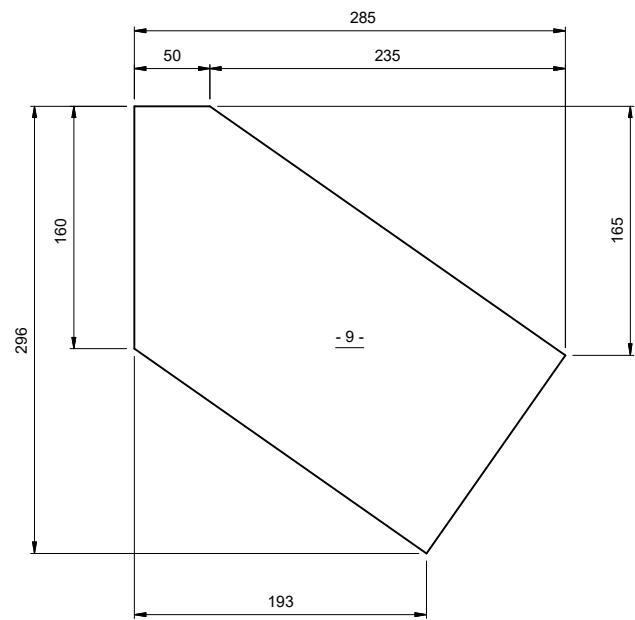


4.8 STAIR TREAD (12 PCS)  
SCALE 1 : 5

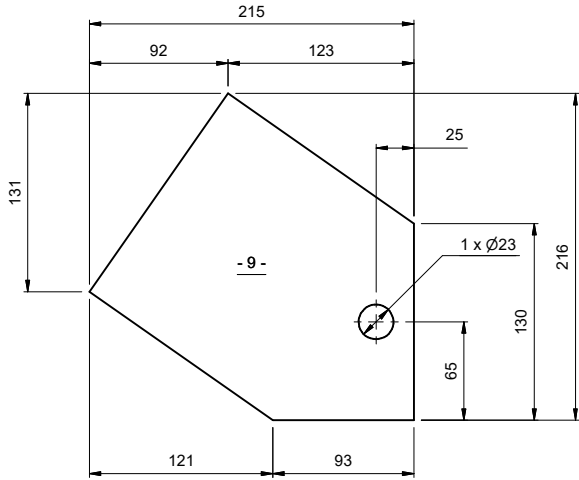
REMARKS:

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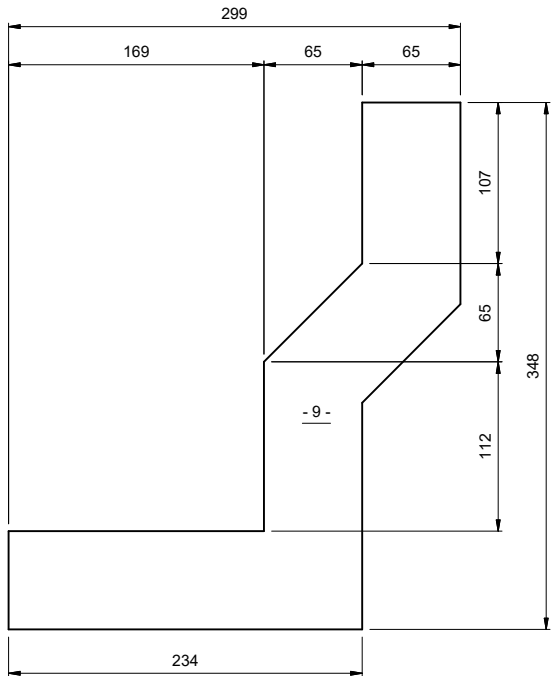
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REV	DATE	REMARKS	DRAWN	CHKD	APPR
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VESSEL: LAURA MAERSK			IMO: 9944546		
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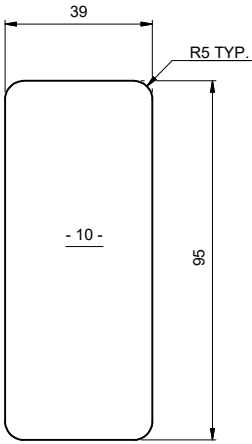
4.9 CONNECTION PLATE 1 (2 PCS)  
SCALE 1 : 5



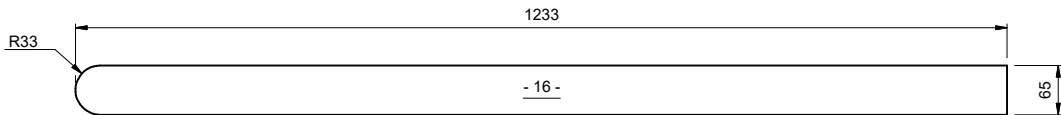
4.10 CONNECTION PLATE 2 (2 PCS)  
SCALE 1 : 5



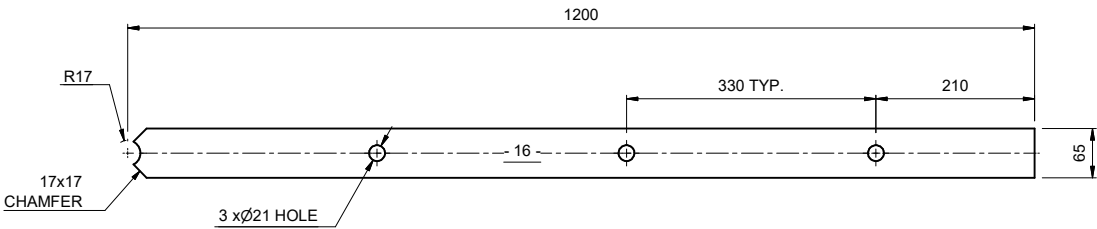
5.9 PLATE 6 (2 PCS.)  
SCALE 1 : 5



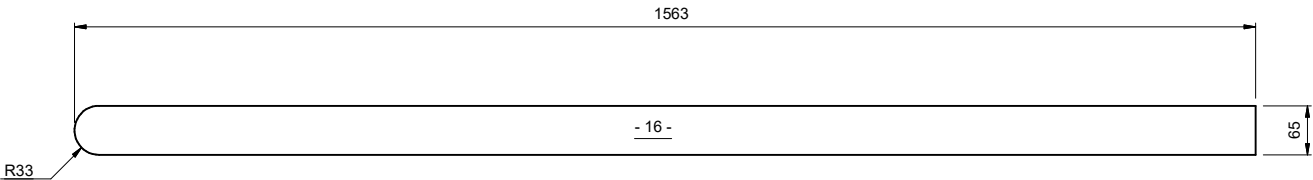
5.11 BASE PLATE 3 (4 PCS)  
SCALE 1 : 2



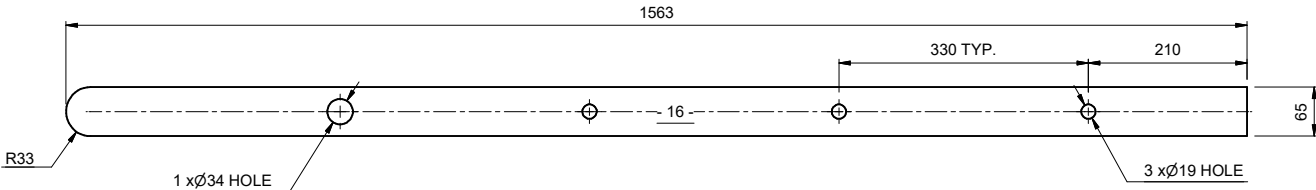
7.4 END STANCHION 2 (9 PCS.)  
SCALE 1 : 10



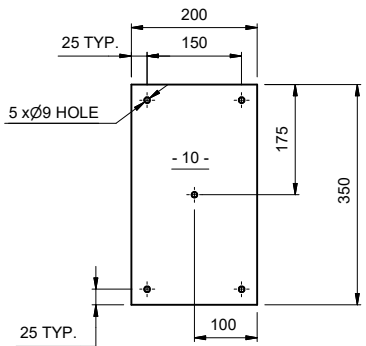
8.4 STANCHION 02 (11 PCS)  
SCALE 1 : 10



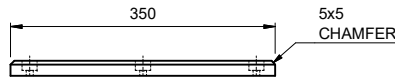
9.4 END STANCHION 3 (1 PC.)  
SCALE 1 : 10



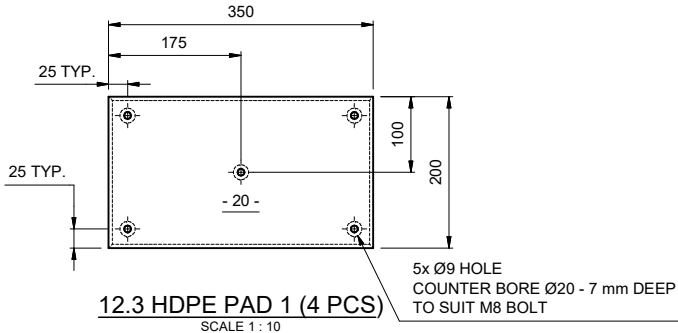
9.5 END STANCHION 4 (1 PC.)  
SCALE 1 : 10



12.1 PLATE 7 (4 PCS)  
SCALE 1 : 12




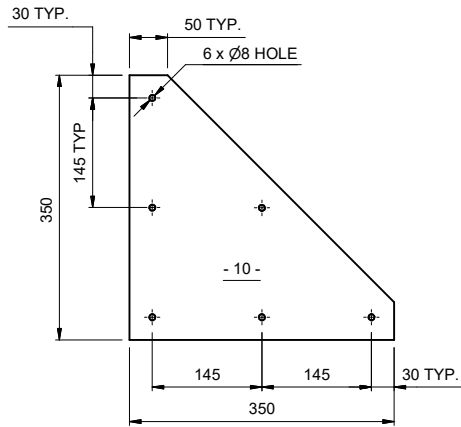
TOP VIEW  
SCALE 1 : 10



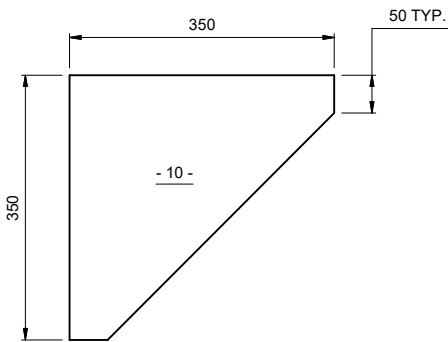
12.3 HDPE PAD 1 (4 PCS)  
SCALE 1 : 10

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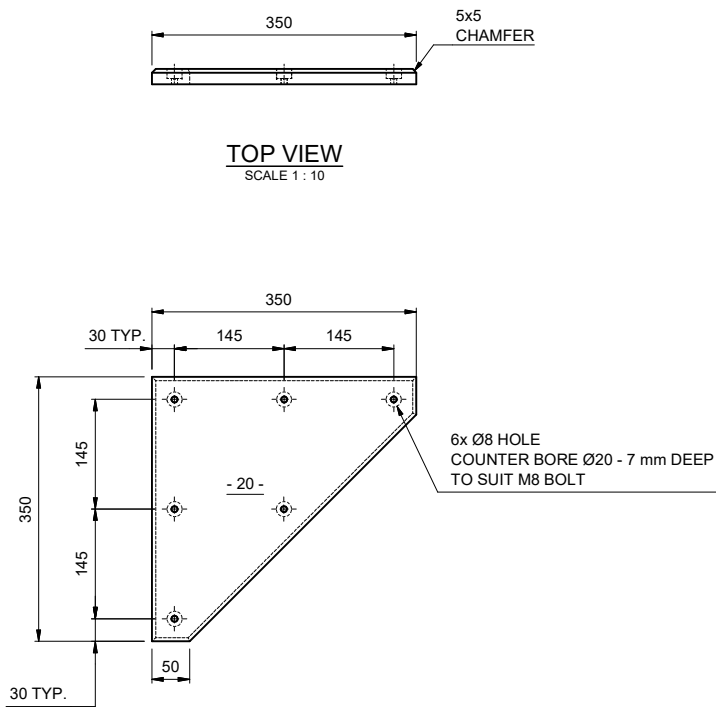
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REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
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12.4 BRACKET 6 (4 PCS)  
SCALE 1 : 10



12.5 BRACKET 7 (4 PCS)  
SCALE 1 : 10



12.6 HDPE PAD 2 (4 PCS)  
SCALE 1 : 10

TABLE 1 - PROFILES							
POS	DESCRIPTION	LENGTH	ITEM QTY	MATERIAL	WEIGHT(kg)	TOTAL WEIGHT(kg)	REMARK
1.1	SHS 200x200x12	1530 mm	2	S355J2	99.53	199	NOTE 1
1.2	SHS 200x200x12	5077 mm	2	S355J2	339.57	679	
1.3	SHS 200x200x12	2486 mm	1	S355J2	159.16	159	
1.4	SHS 200x200x12	6027 mm	3	S355J2	412.64	1238	
1.5	RHS 150x100x8	2486 mm	1	S355J2	68.84	69	
1.6	RHS 150x100x8	4115 mm	2	S355J2	115.12	230	
1.7	RHS 150x100x8	2833 mm	2	S355J2	81.73	163	
1.8	RHS 150x100x8	2288 mm	1	S355J2	65.97	66	
1.9	UPE 140	441 mm	1	S235J2	6.06	6	
1.10	UPE 140	2637 mm	1	S235J2	37.49	37	
1.11	UPE 140	436 mm	1	S235J2	5.75	6	
1.12	UPE 140	591 mm	1	S235J2	8.54	9	
1.13	UPE 140	2806 mm	2	S235J2	30.16	60	
1.14	UPE 140	1323 mm	1	S235J2	18.01	18	
1.15	UPE 140	1104 mm	1	S235J2	15.96	16	
1.16	UPE 140	441 mm	1	S235J2	6.06	6	
1.17	UPE 140	2050 mm	2	S235J2	28.63	57	
1.18	UPE 140	2286 mm	1	S235J2	33.05	33	
1.19	L80x80x8	1921 mm	3	S235J2	18.19	55	
1.20	L 80x80x8	165 mm	4	S235J2	1.59	6	
1.21	ROD Ø10	340 mm	2	S235J2	0.20	0	
2.1	SHS 200x200x12	1201 mm	1	S355J2	76.65	77	
2.2	UPE 140	1001 mm	4	S235J2	14.47	58	
3.1	SHS 200x200x12	3739 mm	2	S355J2	260.30	521	
3.2	SHS 200x200x12	3590 mm	2	S355J2	242.99	486	
3.3	SHS 200x200x12	2486 mm	1	S355J2	159.16	159	
3.4	UPE 140	3413 mm	1	S235J2	48.72	49	
3.5	UPE 140	4280 mm	1	S235J2	61.57	62	
3.6	UPE 140	922 mm	3	S235J2	12.78	38	
3.7	UPE 140	700 mm	1	S235J2	9.81	10	
3.8	L80x80x8	695 mm	3	S235J2	6.38	19	
4.1	L50x50x6	2432 mm	2	S235J2	10.87	22	
4.2	L50x50x6	2805 mm	2	S235J2	11.60	23	
5.1	FLAT BAR 65 x 9	3068 mm	2	S235J2	13.54	27	
5.2	FLAT BAR 65 x 9	2144 mm	2	S235J2	9.71	19	
5.3	FLAT BAR 65 x 9	342 mm	2	S235J2	1.27	3	
5.4	FLAT BAR 65 x 9	765 mm	6	S235J2	3.51	21	
5.5	FLAT BAR 65 x 9	212 mm	2	S235J2	0.97	2	
5.6	FLAT BAR 65 x 9	225 mm	2	S235J2	1.03	2	
5.7	FLAT BAR 65 x 9	985 mm	2	S235J2	4.37	9	
5.8	SQUARE ROD 22	509 mm	7	S235J2	1.93	14	
6.1	FLAT BAR 65 x 9	3608 mm	2	S235J2	15.91	32	
6.2	FLAT BAR 65 x 9	225 mm	2	S235J2	1.03	2	
6.3	FLAT BAR 65 x 9	1553 mm	2	S235J2	6.98	14	
6.4	FLAT BAR 65 x 9	332 mm	2	S235J2	1.22	2	
6.5	SQUARE BAR 22	510 mm	9	S235J2	1.94	17	
6.6	FLAT BAR 65 x 9	2126 mm	3	S235J2	9.63	10	
6.7	FLAT BAR 65 x 9	1395 mm	6	S235J2	6.41	38	
6.8	FLAT BAR 65 x 9	202 mm	2	S235J2	0.93	2	
11.1	FLAT BAR 65 x 9	2990 mm	2	S235J2	13.16	26	
11.2	SQUARE BAR 22	461 mm	10	S235J2	1.75	18	
11.3	FLAT BAR 65 x 9	81 mm	2	S235J2	0.37	1	

NOTES :  
1. 10% MATERIAL ALLOWANCES TO BE PROVIDED


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TABLE 2 - PLATES								
POS	DESCRIPTION	SIZE	THICKNESS	QTY	MATERIAL	WEIGHT(kg)	TOTAL WEIGHT(kg)	REMARK
1.22	STIFFENER 1	180 x 180	10	20	S235J2	1.8	37	
1.23	BRACKET 1	453 x 453	15	2	S355J2	15.8	32	
1.24	BRACKET 2	300 x 300	15	4	S355J2	6.1	24	
1.25	PLATE 1	350 x 350	10	2	S235J2	9.6	19	
1.26	PLATE 2	770 x 350	10	4	S235J2	21.1	85	
1.27	BRACKET 3	120 x 120	10	4	S355J2	0.8	3	
1.28	BASE PLATE 1	180 x 150	10	2	S235J2	2.5	5	
1.29	BRACKET 4	130 x 120	10	4	S235J2	0.8	3	
1.30	PLATE 3	200 x 150	5	4	S355J2	1.2	5	
1.31	END STANCHION 1	2223 x 65	16	2	S235J2	18.1	36	
1.32	STANCHION 1	2190 x 65	16	3	S235J2	17.5	53	
1.33	TOE GUARD 1	1935 x 130	5	2	S235J2	9.9	20	
1.34	TOE GUARD 2	2386 x 130	5	1	S235J2	12.2	12	
1.35	PLATE 4	200 x 150	5	2	S235J2	1.2	2	
1.36	PLATE 5	100 x 80	10	36	S235J2	0.6	22	
1.37	GRATING PLATE	120 x 40	5	2	S235J2	0.2	0	
3.9	END PLATE 1	160 x 85	10	1	S235J2	1.1	1	
3.10	TOE GUARD 3	1536 x 130	5	1	S235J2	10.9	11	
3.11	TOE GUARD 4	1437 x 130	5	1	S235J2	10.5	10	
4.5	BRACKET 5	148 x 50	9	6	S235J2	0.5	3	
4.6	BASE PLATE 2	100 x 100	10	4	S235J2	0.8	3	
4.7	LOWER LUG 1	170 x 80	10	4	S235J2	48.0	192	
4.8	STAIR TREAD	700 x 228	6	12	S235J2	7.5	90	
4.9	CONNECTION PLATE 1	296 x 285	9	2	S235J2	3.2	6	
4.10	CONNECTION PLATE 2	216 x 215	9	2	S235J2	2.1	4	
4.11	UPPER LUG	155 x 40	6	2	S235J2	0.3	1	
5.9	PLATE 6	348 x 299	9	2	S235J2	2.5	5	
5.10	END PLATE 2	85 x 29	10	8	S235J2	0.2	2	
5.11	BASE PLATE 3	95 x 39	10	4	S235J2	0.3	1	
7.3	TOE GUARD 5	1536 x 130	5	1	S235J2	6.8	7	
7.4	END STANCHION 2	1233 x 65	16	9	S235J2	10.0	90	
8.1	TOE GUARD 6	1437 x 130	5	1	S235J2	7.3	7	
8.2	TOE GUARD 7	3418 x 130	5	1	S235J2	17.4	17	
8.3	TOE GUARD 8	2003 x 130	5	1	S235J2	10.2	10	
8.4	STANCHION 02	1200 x 65	16	11	S235J2	9.5	105	
9.1	TOE GUARD 9	5052 x 130	5	1	S235J2	26.4	26	
9.2	TOE GUARD 10	4127 x 130	5	1	S235J2	21.0	21	
9.3	TOE GUARD 11	1388 x 130	5	1	S235J2	7.0	7	
9.4	END STANCHION 3	1563 x 65	16	1	S235J2	12.5	13	
9.5	END STANCHION 4	1563 x 65	16	1	S235J2	12.5	12	
10.1	TOE GUARD 12	2182 x 130	5	1	S235J2	11.2	11	
12.1	PLATE 7	350 x 200	10	4	S235J2	5.5	22	
12.2	PLATE 8	360 x 200	10	4	S235J2	5.7	23	
12.3	HDPE PAD 1	350 x 200	20	4	HDPE	1.3	5	
12.4	BRACKET 6	350 x 350	10	4	S235J2	6.1	24	
12.5	BRACKET 7	350 x 350	10	4	S235J2	6.1	24	
12.6	HDPE PAD 2	350 x 350	20	4	HDPE	1.4	6	

TABLE -3 GRATING								
POS	DESCRIPTION	SIZE	THICKNESS	QTY	MATERIAL	WEIGHT(kg)	TOTAL WEIGHT(kg)	REMARK
1.38	GRATING 1	1293 x 1280	30	1	S235J2	63.3	63	NOTE 2 & 3
1.39	GRATING 2	2616 x 2135	30	1	S235J2	189.0	189	NOTE 2 & 3
1.40	GRATING 3	2471 x 2015	30	1	S235J2	65.4	65	NOTE 2 & 3
1.41	GRATING 4	3390 x 1362	30	1	S235J2	280.8	281	NOTE 2 & 3
3.12	GRATING 5	857 x 2286	30	1	S235J2	78.6	79	NOTE 2 & 3
3.13	GRATING 6	4250 x 1084	30	1	S235J2	183.9	184	NOTE 2 & 3

TABLE 4 - PIPES					
POS	DESCRIPTION	TOTAL LENGTH (mm)	MATERIAL	TOTAL WEIGHT	REMARK
4.3	PIPE Ø38x4	16754	S235J2	56	
4.4	PIPE Ø16x4	11642	S235J2	13	
7.1	PIPE Ø33.7x4	30306	S235J2	88	
7.2	PIPE Ø19x4	104961	S235J2	156	

TABLE - 5 ADDITIONAL STIFFENERS					
POS	DESCRIPTION	DIMENSION (mm)	MATERIAL	TOTAL WEIGHT	REMARK
13.1	HP 140x8	10594	S235J2	115	
13.2	BRACKET 8	250 x 250 x10	S235J2	1	

TABLE 6 - FASTENERS				
TYPE	SIZE	STANDARD	QTY	REMARK
HEX BOLT	M20 x 50	DIN 933	2	
HEX NUT	M20	DIN 934	2	
WASHER	M10	DIN 125	4	
WASHER	M8	DIN 125	88	
WASHER	M20	DIN 125	4	
HEX NUT	M10	DIN 934	4	
CYLINDER HEAD CAP SCREW	M8 x 35	DIN 912	44	

HINGED SUPPORT - UP1001S139A	H1
FIXED SUPPORT - UVMP05R551B	F1

TOTAL WEIGHT	
kg	7564
t	7.6

NOTES :

1. 10% MATERIAL ALLOWANCES TO BE PROVIDED

2. THE FIXATION OF GRATING TO BE DETERMINED ON SITE.

3. MATERIAL TO BE HOT DIP GALVANIZED.

00	27-10-2025	FOR REVIEW	AJO	AAP	AAS
REV	DATE	REMARKS	DRAWN	CHKD	APPR
DESCRIPTION: EXHAUST GAS COOLER FOUNDATION + ACCESS					
CLIENT: MAERSK					
VESSEL: LAURA MAERSK			IMO: 9944546		
<div><div>VM</div><div>Value Maritime</div></div>			NOTICE: This drawing and the information it contains are the property of Value Maritime and may not be reproduced or used in part or in whole for any purpose except by written permission of this company.		
SIZE:	SCALE:	DRAWING NUMBER		SHEET:	REVISION:
A3	N/A	VM5-062-DWG-110-003		22/22	00