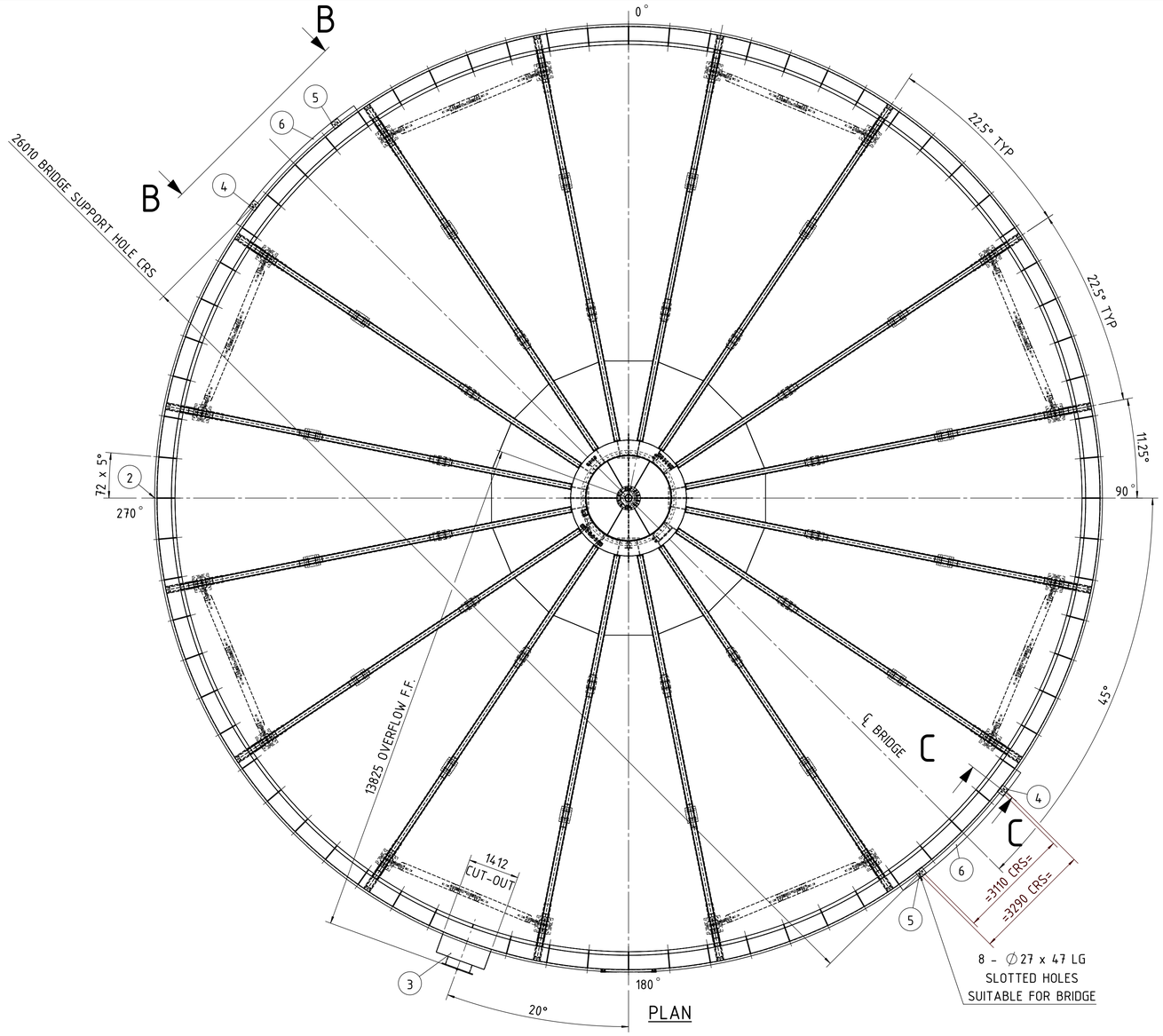
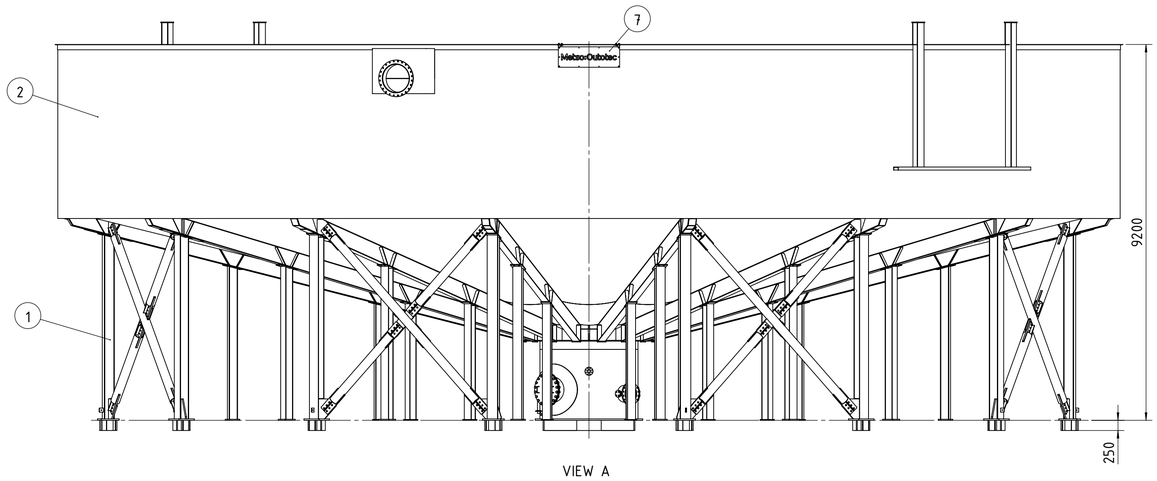
REFER TO OU650139761 GENERAL NOTES FOR MATERIAL, BOLT, WELD & TOLERANCE SPECIFICATION.



PLAN

A



VIEW A

LOCAL DEVIATION

LOCAL DEVIATION FROM THEORETICAL SHAPE SHALL BE LIMITED TO AS FOLLOWS:

1. DEVIATIONS (PEAKING) AT VERTICAL WELD JOINTS SHALL NOT EXCEED 13mm. PEAKING AT VERTICAL WELD JOINTS SHALL BE DETERMINED USING A HORIZONTAL SWEEP BOARD 900mm LONG. THE SWEEP BOARD SHALL BE MADE TO THE NOMINAL RADIUS OF THE TANK.

2. DEVIATIONS (BANDING) AT HORIZONTAL WELD JOINTS SHALL NOT EXCEED 13mm. BANDING AT HORIZONTAL WELD JOINTS SHALL BE DETERMINED USING A STRAIGHT EDGE VERTICAL SWEEP BOARD 900mm LONG.

TANK INSTALLATION TOLERANCES TO API 650

PLUMBNESS

MAXIMUM OUT-OF-PLUMBNESS OF THE TOP OF THE SHELL RELATIVE TO THE BOTTOM OF THE SHELL SHALL NOT EXCEED 1/200 OF THE TOTAL TANK HEIGHT

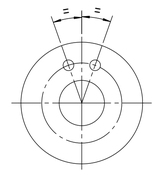
ROUNDNESS

RADII MEASURED AT ANY ORIENTATION SHALL NOT EXCEED THE FOLLOWING TOLERANCES

TANK DIAMETER	RADIUS TOLERANCE
<12m	±13mm
12m - <45m	±19mm
45m -<75m	±25mm
75m+	±32mm

IF PRESENT, FROTH BAFFLE RADIUS MUST BE WITHIN ±10mm.

TYPICAL FLANGE ARRANGEMENT



PART	DESCRIPTION	SUB-DWG.NO.	QTY	WEIGHT [kg]	ITEM NO.	REMARKS
7	SIGN	OU601734308	1	9.5	N031225694	
6	BEAM	OU601734314	2	116	N031225730	BEND TO I/R 3386
5	BRIDGE SUPPORT TYPE A	OU601734312	2	223	N031225538	
4	BRIDGE SUPPORT TYPE B	OU601734311	2	223	N031225524	
3	OVERFLOW BOX	OU601734310	1	246	N031226086	
2	TANK WALL	OU601734284	1	21877	N031225111	
1	SUPPORT STRUCTURE	OU601734698	1	70244	N031226282	

DIMENSIONS & BASIC MATERIAL — WEIGHT 93446 kg

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	VY	16.11.2021	pasraj	10.12.2021	juksik	31.12.2021	FOR FABRICATION

STATUS | UNITS mm | SCALE 1:75 | SIZE A1

CUSTOMER | PROJECT PHASE | SITE NO.

PROJECT NAME: Chemitec RMG Madneuli 2x26m HCT | CUSTOMER DOCUMENT NO.

REPLACED BY | REPLACES | LANGUAGE EN

Metso:Outotec

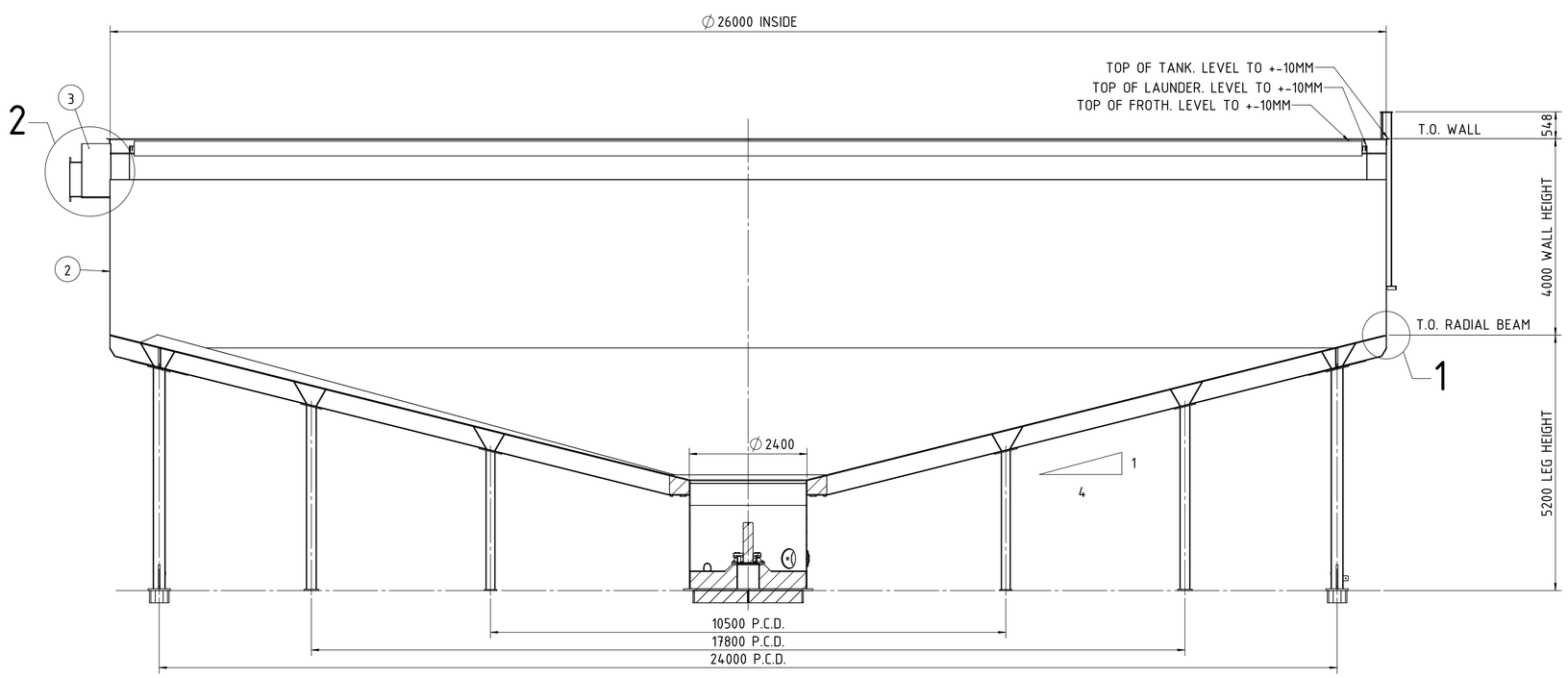
DOCUMENT TITLE: INSTALLATION DRAWING

WELDED TANK ASSEMBLY
26m THICKENER TANK

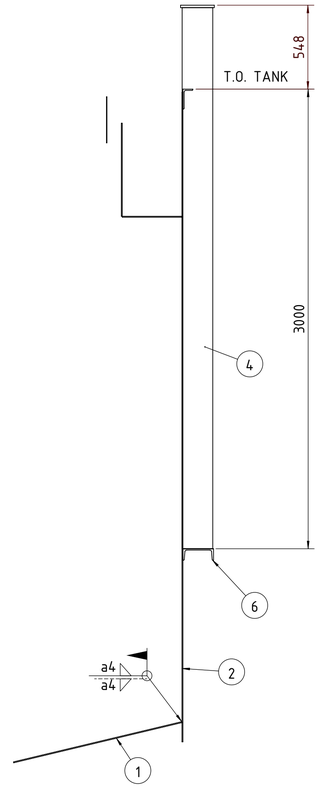
EQUIPMENT NO.

PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745			MTC03		0	1 / 2

DOCUMENT ID: OU601734283

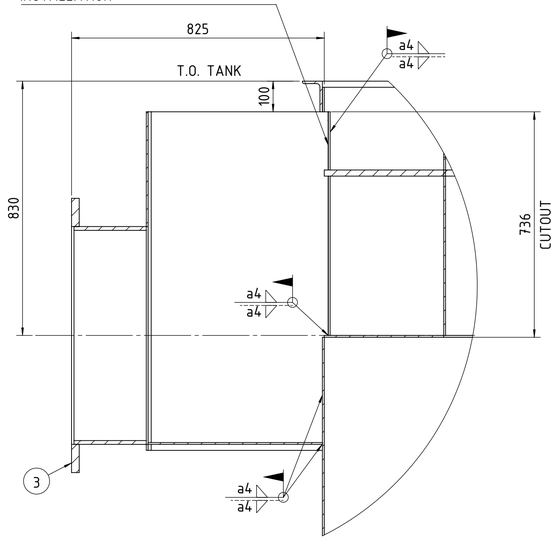


SECTIONAL ELEVATION
REFER TO PLAN FOR TRUE ORIENTATION

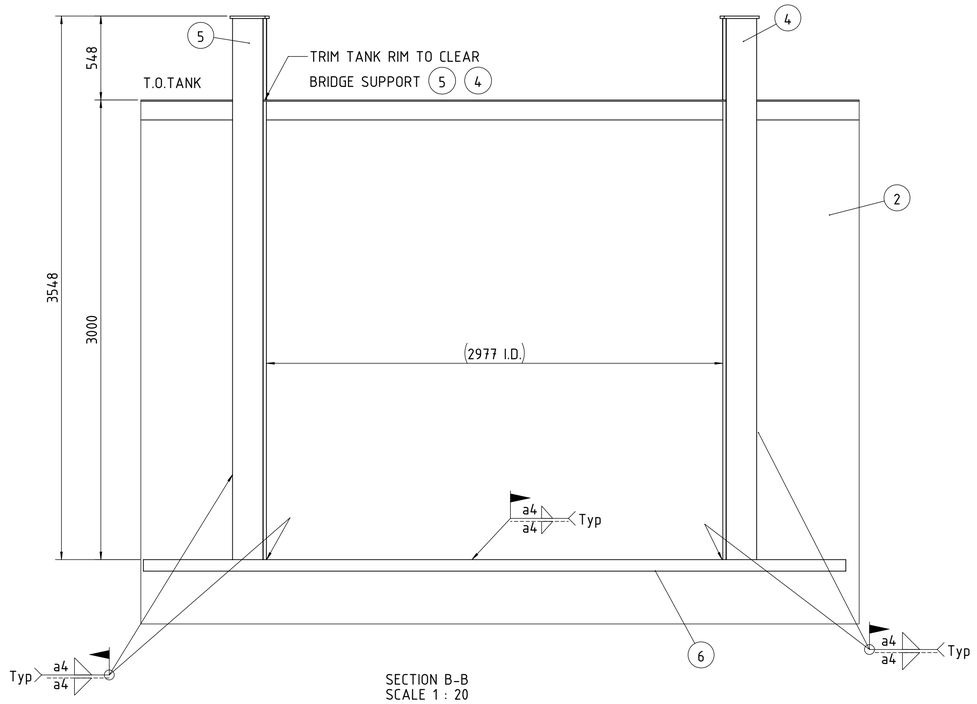


SECTION C-C
SCALE 1 : 20

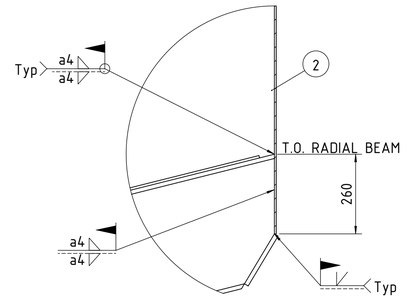
A CUT (736x1412) IN THE TANK WALL
FOR THE OVERFLOW BOX
SHOULD BE MADE AFTER TANK WALL
INSTALLATION



DETAIL 2
SCALE 1 : 10



SECTION B-B
SCALE 1 : 20



DETAIL 1
SCALE 1 : 10

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
0	VY	16.11.2021	pasraj	10.12.2021	juksik	31.12.2021	FOR FABRICATION
	PREPARED		CHECKED		APPROVED		

STATUS		UNITS mm	SCALE 1:60	SIZE A1
CUSTOMER	PROJECT PHASE			SITE NO.
PROJECT NAME: Chemitec RMG Madneuli 2x26m HCT				CUSTOMER DOCUMENT NO.
REPLACED BY	REPLACES			LANGUAGE EN

Metso:Outotec

DOCUMENT TITLE
INSTALLATION DRAWING

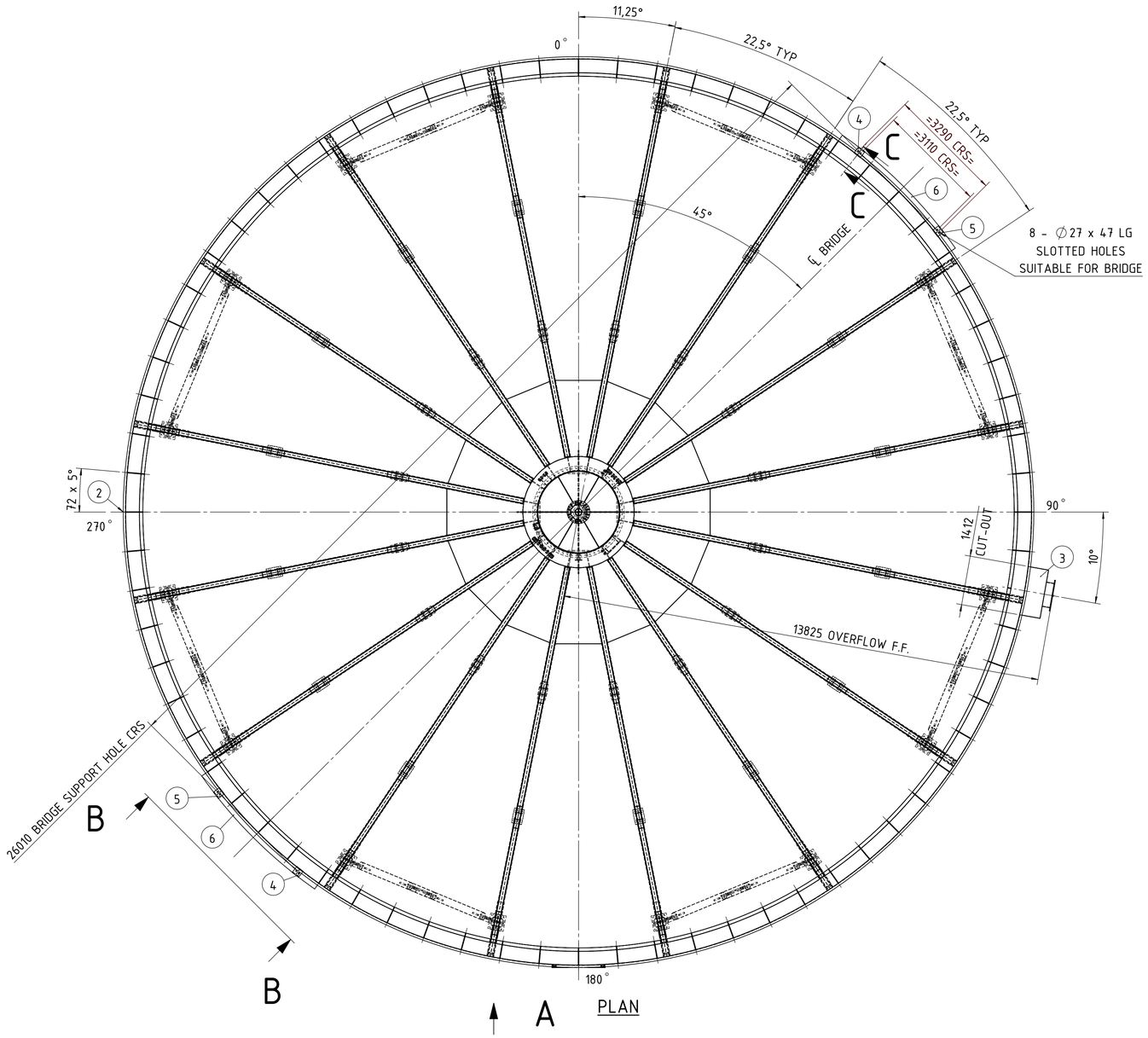
WELDED TANK ASSEMBLY
26m THICKENER TANK

EQUIPMENT NO.

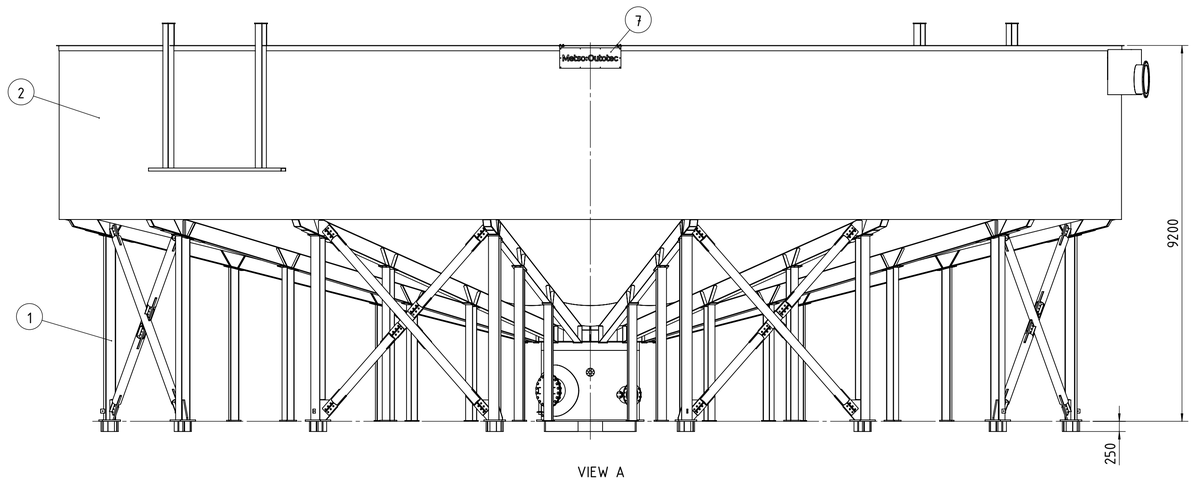
PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745			MTC03		0	2 / 2

DOCUMENT ID
0U601734283

REFER TO OU650139761 GENERAL NOTES FOR MATERIAL, BOLT, WELD & TOLERANCE SPECIFICATION.



PLAN



VIEW A

LOCAL DEVIATION

LOCAL DEVIATION FROM THEORETICAL SHAPE SHALL BE LIMITED TO AS FOLLOWS:

1. DEVIATIONS (PEAKING) AT VERTICAL WELD JOINTS SHALL NOT EXCEED 13mm. PEAKING AT VERTICAL WELD JOINTS SHALL BE DETERMINED USING A HORIZONTAL SWEEP BOARD 900mm LONG. THE SWEEP BOARD SHALL BE MADE TO THE NOMINAL RADIUS OF THE TANK.

2. DEVIATIONS (BANDING) AT HORIZONTAL WELD JOINTS SHALL NOT EXCEED 13mm. BANDING AT HORIZONTAL WELD JOINTS SHALL BE DETERMINED USING A STRAIGHT EDGE VERTICAL SWEEP BOARD 900mm LONG.

TANK INSTALLATION TOLERANCES TO API 650

PLUMBNESS

MAXIMUM OUT-OF-PLUMBNESS OF THE TOP OF THE SHELL RELATIVE TO THE BOTTOM OF THE SHELL SHALL NOT EXCEED 1/200 OF THE TOTAL TANK HEIGHT

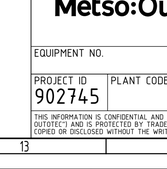
ROUNDNESS

RADII MEASURED AT ANY ORIENTATION SHALL NOT EXCEED THE FOLLOWING TOLERANCES

TANK DIAMETER	RADIUS TOLERANCE
<12m	±13mm
12m - <45m	±19mm
45m -<75m	±25mm
75m+	±32mm

IF PRESENT, FROTH BAFFLE RADIUS MUST BE WITHIN ±10mm.

TYPICAL FLANGE ARRANGEMENT



PART	DESCRIPTION	SUB-DWG.NO.	QTY	WEIGHT [kg]	ITEM NO.	REMARKS
7	SIGN	OU601734308	1	9.5	N031225694	
6	BEAM	OU601734314	2	116	N031225730	BEND TO I/R 3386
5	BRIDGE SUPPORT TYPE A	OU601734312	2	223	N031225538	
4	BRIDGE SUPPORT TYPE B	OU601734311	2	223	N031225524	
3	OVERFLOW BOX	OU601734310	1	246	N031226086	
2	TANK WALL	OU601734284	1	21877	N031225111	
1	SUPPORT STRUCTURE	OU601736498	1	70244	N031226282	

DIMENSIONS & BASIC MATERIAL — WEIGHT 93446 kg

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	VY	17.11.2021	pasrai	10.12.2021	juksik	04.01.2022	FOR FABRICATION

STATUS | UNITS mm | SCALE 1:75 | SIZE A1

CUSTOMER | PROJECT PHASE | SITE NO.

PROJECT NAME: Chemitec RMG Madneuli 2x26m HCT | CUSTOMER DOCUMENT NO.

REPLACED BY | REPLACES | LANGUAGE EN

Metso:Outotec

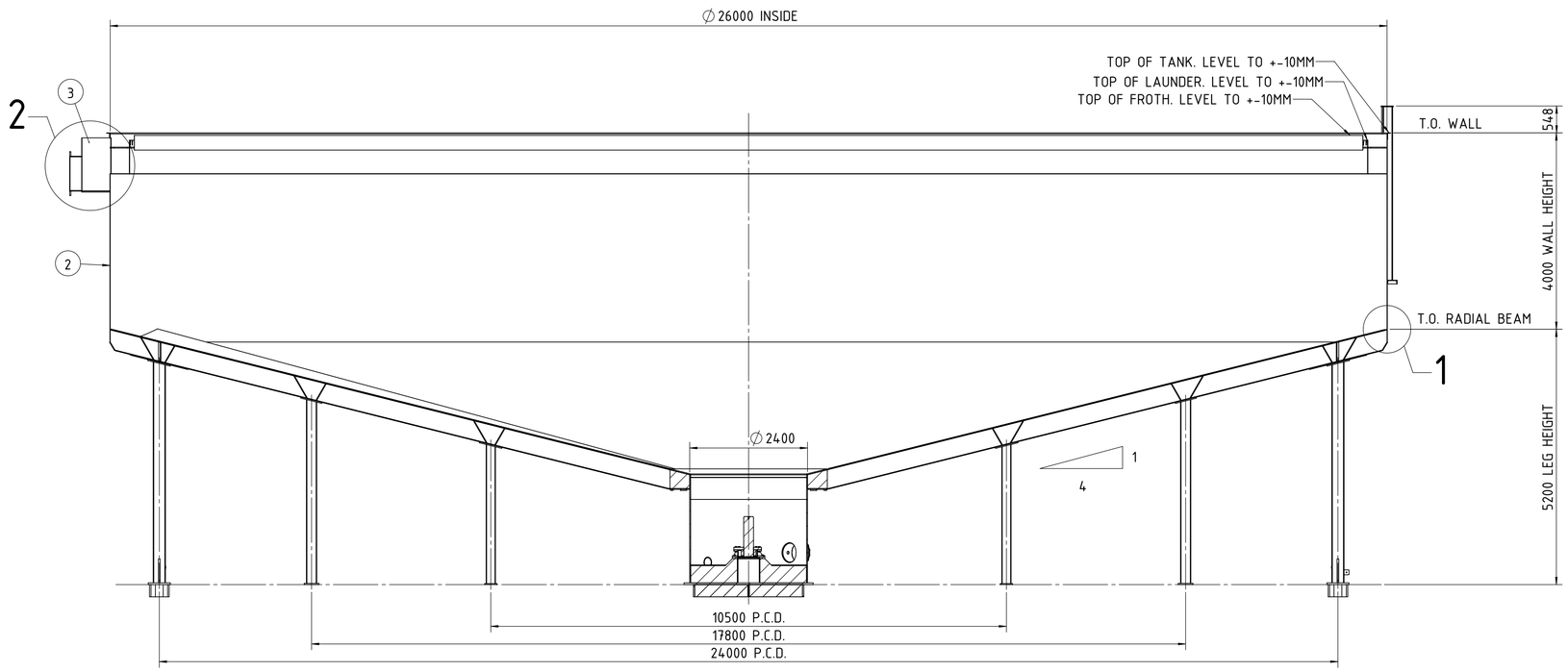
EQUIPMENT NO.

DOCUMENT TITLE: INSTALLATION DRAWING

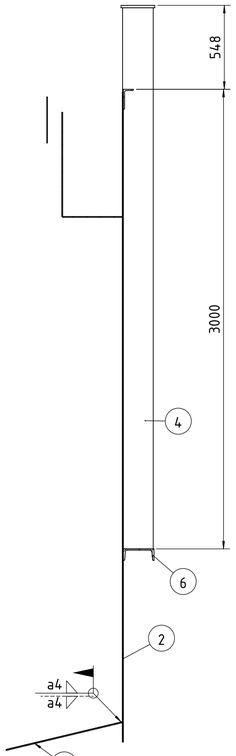
WELDED TANK ASSEMBLY
26m THICKENER TANK

PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745					0	1 / 2

DOCUMENT ID: OU601784554

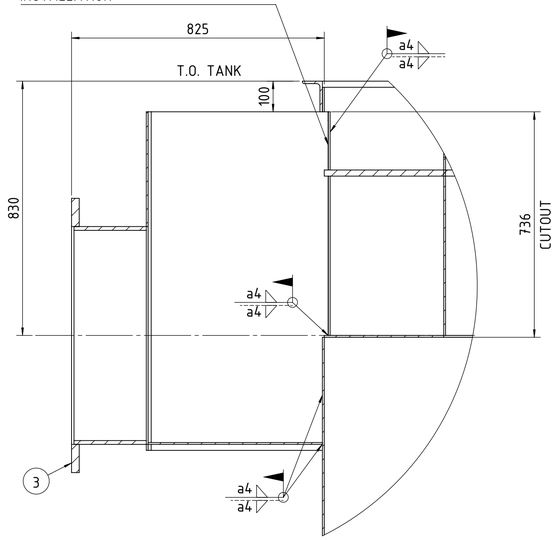


SECTIONAL ELEVATION
REFER TO PLAN FOR TRUE ORIENTATION

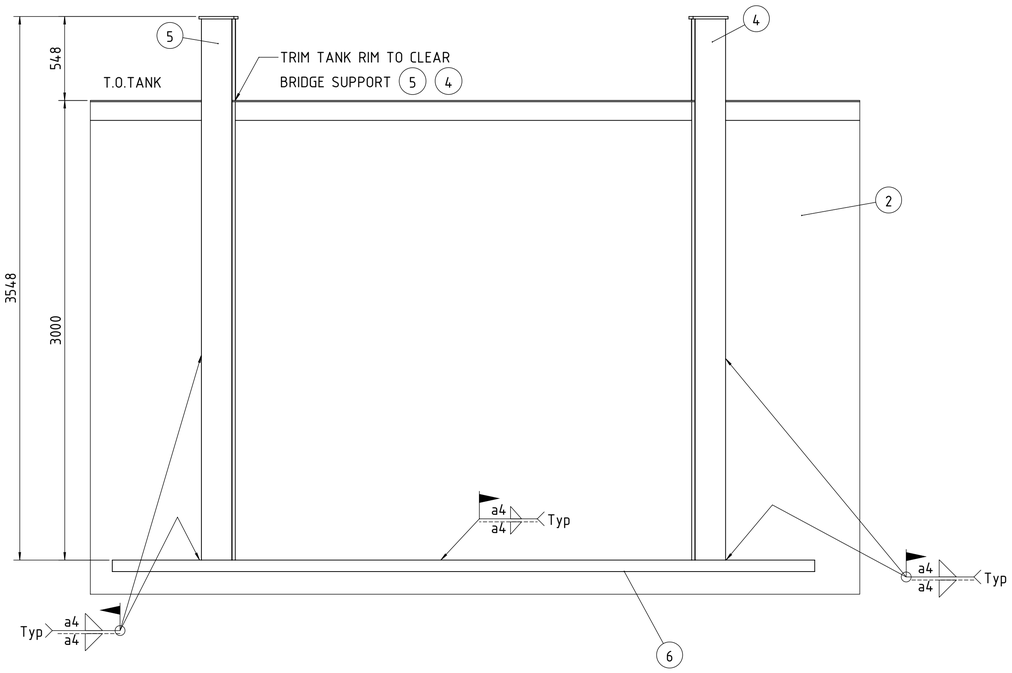


SECTION C-C
SCALE 1 : 20

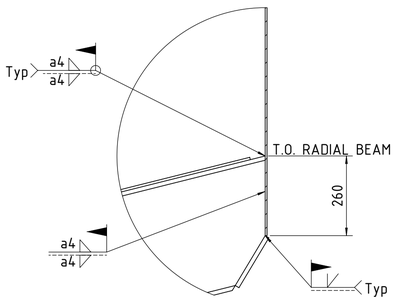
A CUT (736x1412) IN THE TANK WALL
FOR THE OVERFLOW BOX
SHOULD BE MADE AFTER TANK WALL
INSTALLATION



DETAIL 2
SCALE 1 : 10



SECTION B-B
SCALE 1 : 20



DETAIL 1
SCALE 1 : 10

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	VY	17.11.2021	pasraj	10.12.2021	juksik	04.01.2022	FOR FABRICATION

STATUS	UNITS: mm	SCALE: 1:60	SIZE: A1
CUSTOMER	PROJECT PHASE		SITE NO.
PROJECT NAME: Chemitec RMG Madneuli 2x26m HCT		CUSTOMER DOCUMENT NO.	
REPLACED BY	REPLACES		LANGUAGE: EN

Metso:Outotec

DOCUMENT TITLE
INSTALLATION DRAWING

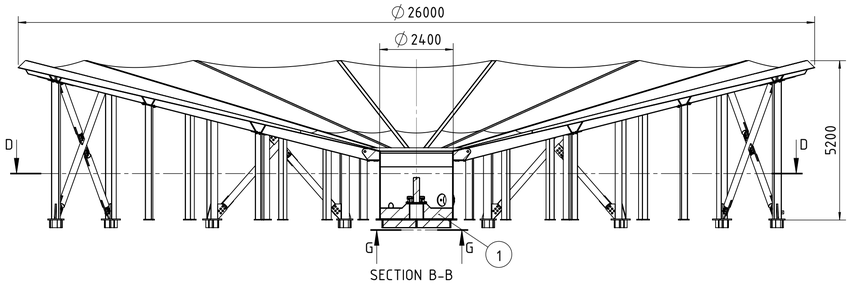
WELDED TANK ASSEMBLY
26m THICKENER TANK

EQUIPMENT NO.

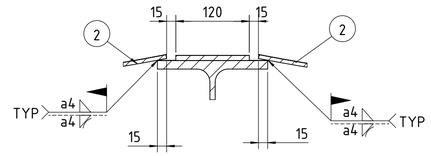
PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745					0	2 / 2

DOCUMENT ID
OU601784554

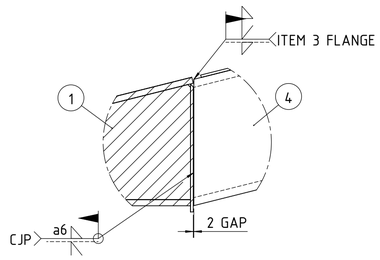
REFER TO OU650139761 GENERAL NOTES FOR MATERIAL, BOLT, WELD & TOLERANCE SPECIFICATION.



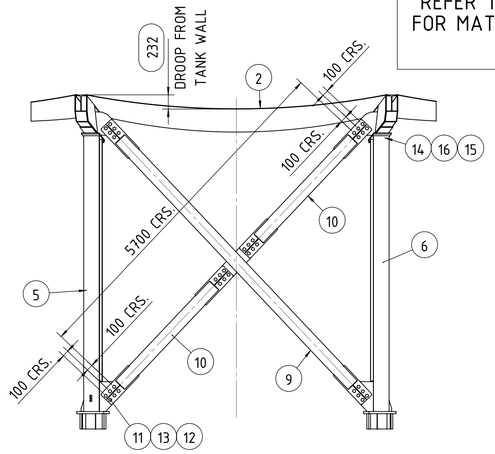
SECTION B-B



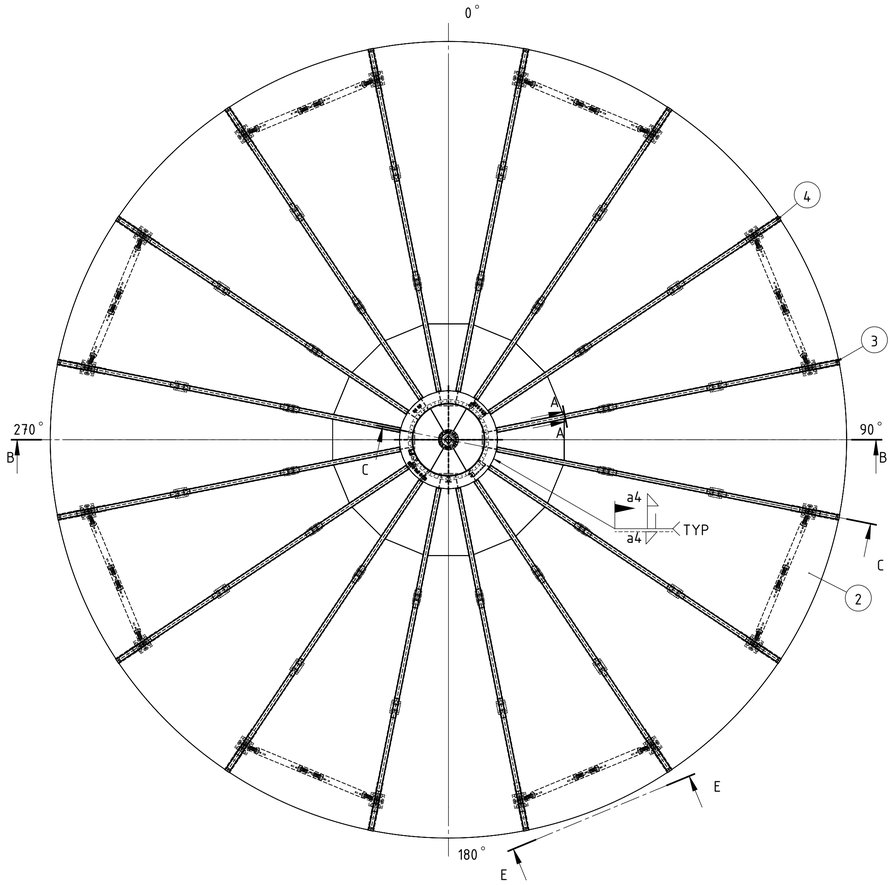
SECTION A-A
SCALE 1 : 5

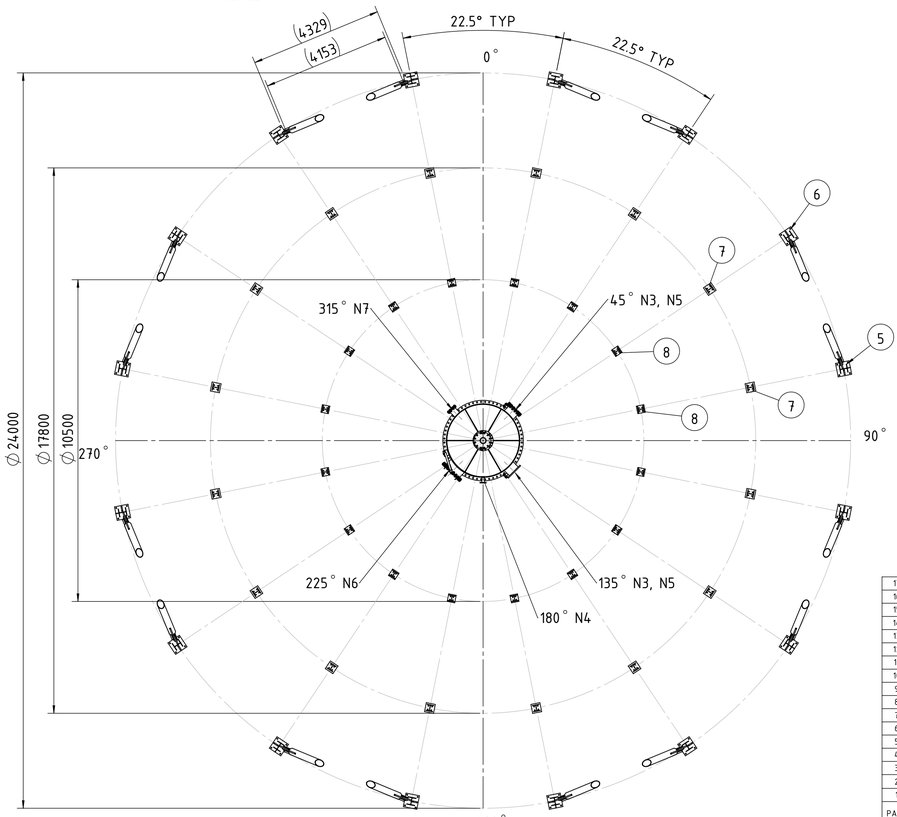


DETAIL F
SCALE 1 : 10

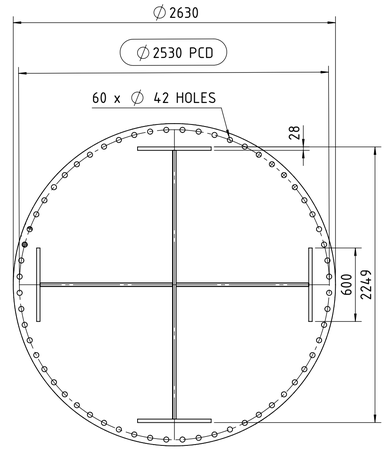


SECTION E-E
SCALE 1 : 50

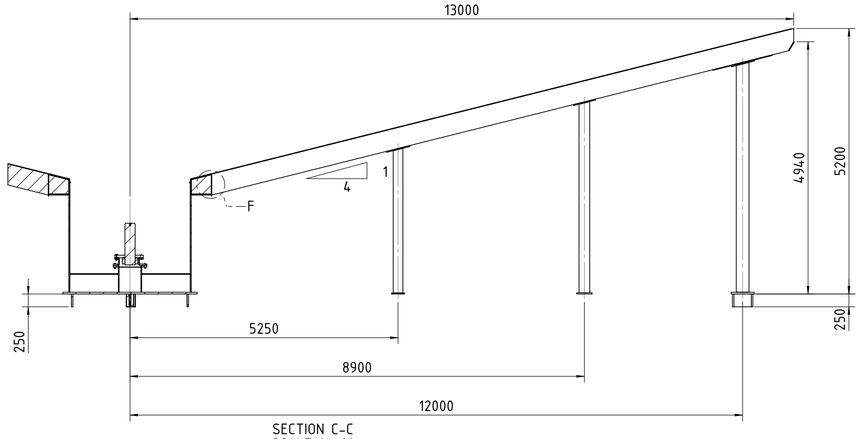




SECTION D-D



SECTION G-G
SCALE 1 : 25



SECTION C-C
SCALE 1 : 60

TAG	SIZE	STANDARD	SERVICE	QTY
N3	DN400	EN 1092-1 PN10	UNDERFLOW	2
N4	DN80	EN 1092-1 PN10	BED MASS	1
N5	DN50	EN 1092-1 PN10	FLUSH	2
N6	DN600	EN 1092-1 PN10	MANHOLE	1
N7	DN200	EN 1092-1 PN10	DRAIN	1

THE FOLLOWING INSTALLATION PROCEDURE IS RECOMMENDED AS A GUIDE ONLY. IF UNSURE PLEASE ASK.
SAFETY RESPONSIBILITY IS IN THE HANDS OF THE INSTALLER.

ASSEMBLY PROCEDURE
COMPLETE FINAL SURFACE TREATMENT TO INSTALLED COMPONENTS AS APPROPRIATE

STEP 1
ERECT ALL COLUMNS AND UNDERFLOW BOOT/CONE INTO PLACE AND CHECK COLUMN TOP PLATE LEVELS.
CHECK NOZZLE ORIENTATIONS. REFER ALSO TO "TANK ASSEMBLY" DRAWING.

STEP 2
BOLT RADIAL BEAMS TO COLUMNS AND BOLT CROSS BRACING IN PLACE, ENSURING CORRECT ORIENTATION.
CHECK VERTICALITY OF COLUMNS AND HEIGHT AT HIGHEST POINT OF RADIAL BEAM.

STEP 3
TACK WELD RADIAL BEAMS TO UNDERFLOW BOOT/CONE AND ENSURE ALIGNMENT OF ALL PARTS BEFORE FINAL WELDIN

TANK INSTALLATION TOLERANCES

ROUNDNESS
RADII MEASURED AT ANY ORIENTATION SHALL NOT EXCEED THE FOLLOWING TOLERANCES:

TANK DIAMETER	RADIUS TOLERANCE
<12m	±13mm
12m - <45m	±19mm
45m -<75m	±25mm
75m+	±32mm

PART	DESCRIPTION	SUB-DWG.NO.	QTY	WEIGHT [kg]	ITEM NO.	REMARKS
17	HEX HEAD SCREW ISO 4014 - M20x60 - 8.8 tZn		128	0.2	N048004480	
16	WASHER ISO 7089 - M20 - 200HV - tZn		192	0.0	515282	
15	HEXAGON NUT ISO 4032 - M20 - 8 - tZn		192	0.1	N048003452	
14	HEX HEAD SCREW ISO 4014 - M20x70 - 8.8 tZn		64	0.3	N048004482	
13	WASHER ISO 7089 - M30 - 200HV - tZn		288	0.1	N048005273	
12	HEXAGON NUT ISO 4032 - M30 - 8 - tZn		288	0.3	N048003454	
11	HEX HEAD SCREW ISO 4014 - M30x100 - 8.8 tZn		288	0.8	N048004532	
10	CROSS BRACE - SHORT	OU601734302	16	184	N031225963	
9	CROSS BRACE - LONG	OU601734303	8	383	N031225991	
8	INNER COLUMN	OU601734307	16	145	N031225937	
7	MIDDLE COLUMN	OU601734306	16	225	N031226088	
6	OUTER COLUMN TYPE B	OU601734304	8	523	N031226285	
5	OUTER COLUMN TYPE A	OU601734305	8	524	N031226283	
4	RADIAL BEAM	OU601734299	8	1047	N031225936	
3	RADIAL BEAM	OU601734300	8	1047	N031226093	
2	FLOORGORE	OU601804527	16	1540	N031240398	
1	UNDERFLOW BOOT ASSEMBLY	OU601734285	1	8172	N031225715	

DIMENSIONS & BASIC MATERIAL — WEIGHT 70244 kg

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	TG	07.12.2021	pasraj	10.12.2021	juksik	31.12.2021	FOR FABRICATION

STATUS | UNITS mm | SCALE 1:100 | SIZE A1

CUSTOMER | PROJECT PHASE | SITE NO.

PROJECT NAME
Chemitec RMG Madneuli 2x26m HCT

CUSTOMER DOCUMENT NO.

REPLACED BY | REPLACES | LANGUAGE EN

Metso:Outotec

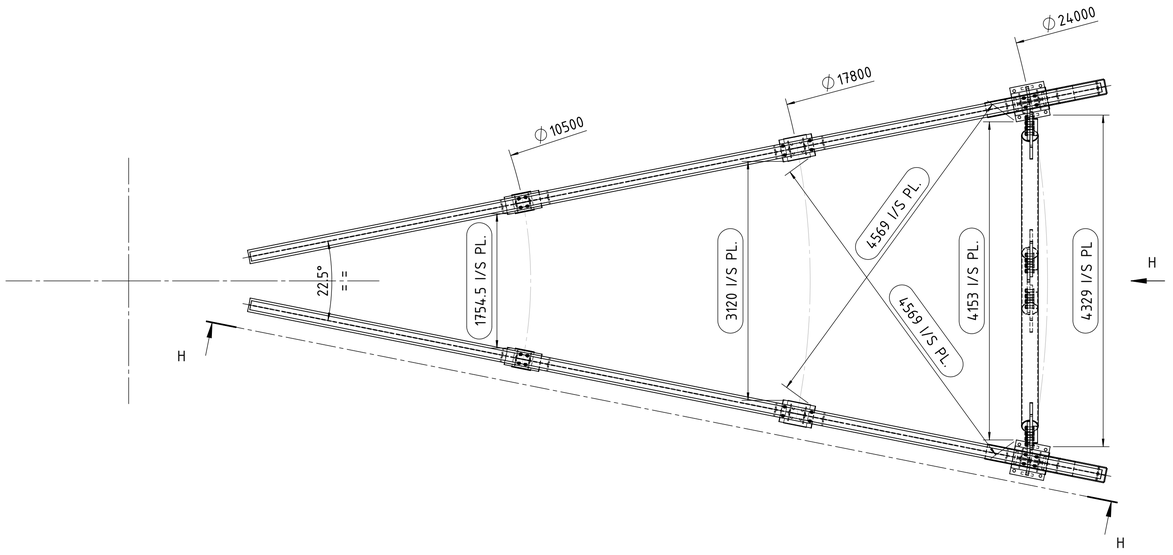
EQUIPMENT NO.

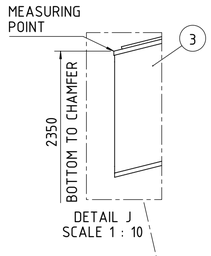
DOCUMENT TITLE
INSTALLATION DRAWING

SUPPORT STRUCTURE
26m THICKENER TANK

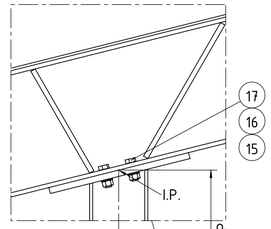
PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745					0	1 / 2

DOCUMENT ID
OU601736498

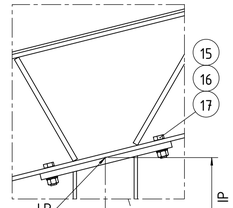




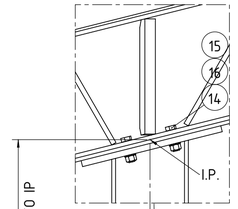
DETAIL J
SCALE 1 : 10



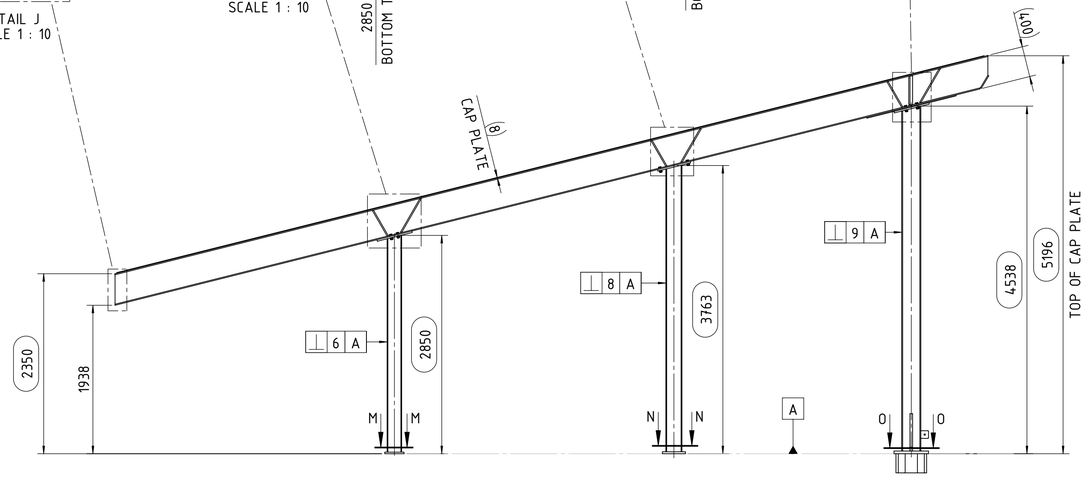
DETAIL L
SCALE 1 : 10



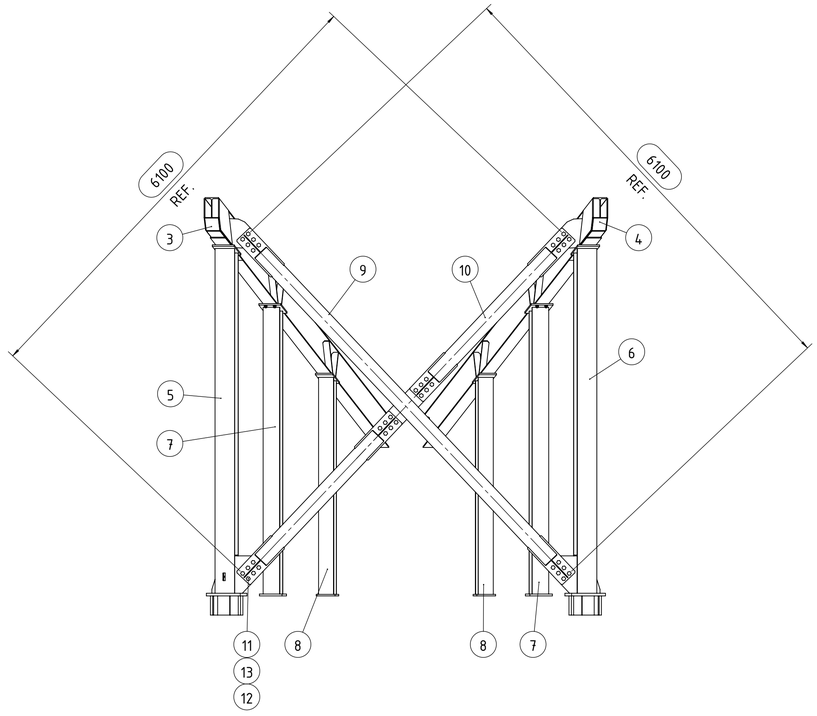
DETAIL K
SCALE 1 : 10



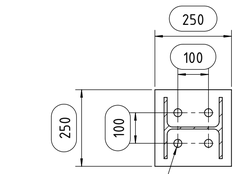
DETAIL I
SCALE 1 : 10



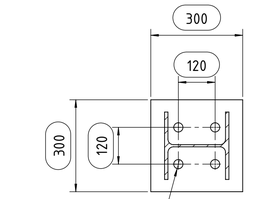
SECTION H-H



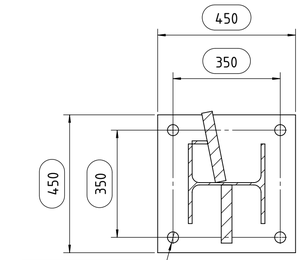
VIEW H
90.0°



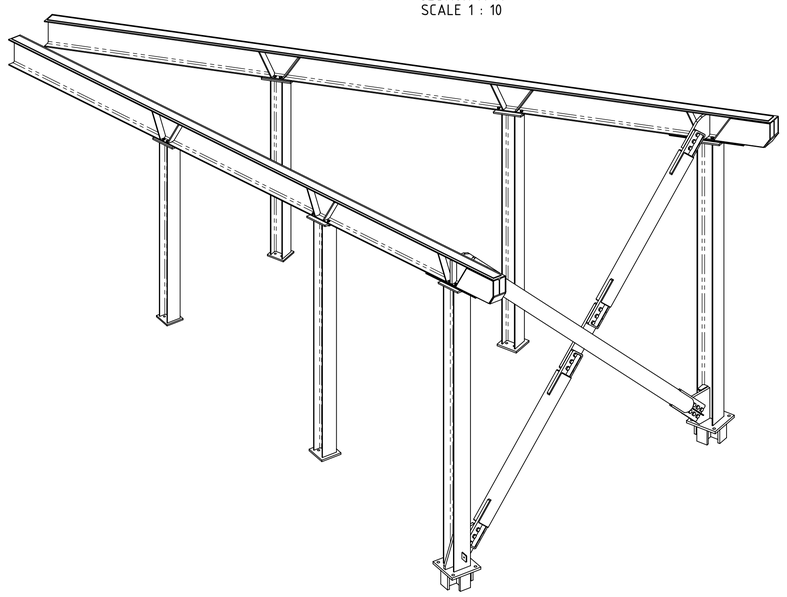
SECTION M-M
SCALE 1 : 10



SECTION N-N
SCALE 1 : 10



SECTION O-O
SCALE 1 : 10



REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	TG	07.12.2021	pasraj	10.12.2021	juksik	31.12.2021	FOR FABRICATION

STATUS	UNITS	SCALE	SIZE
	mm	1:40	A1

CUSTOMER	PROJECT PHASE	SITE NO.

PROJECT NAME	CUSTOMER DOCUMENT NO.
Chemitec RMG Madneuli 2x26m HCT	

REPLACED BY	REPLACES	LANGUAGE
		EN

Metso:Outotec

EQUIPMENT NO.

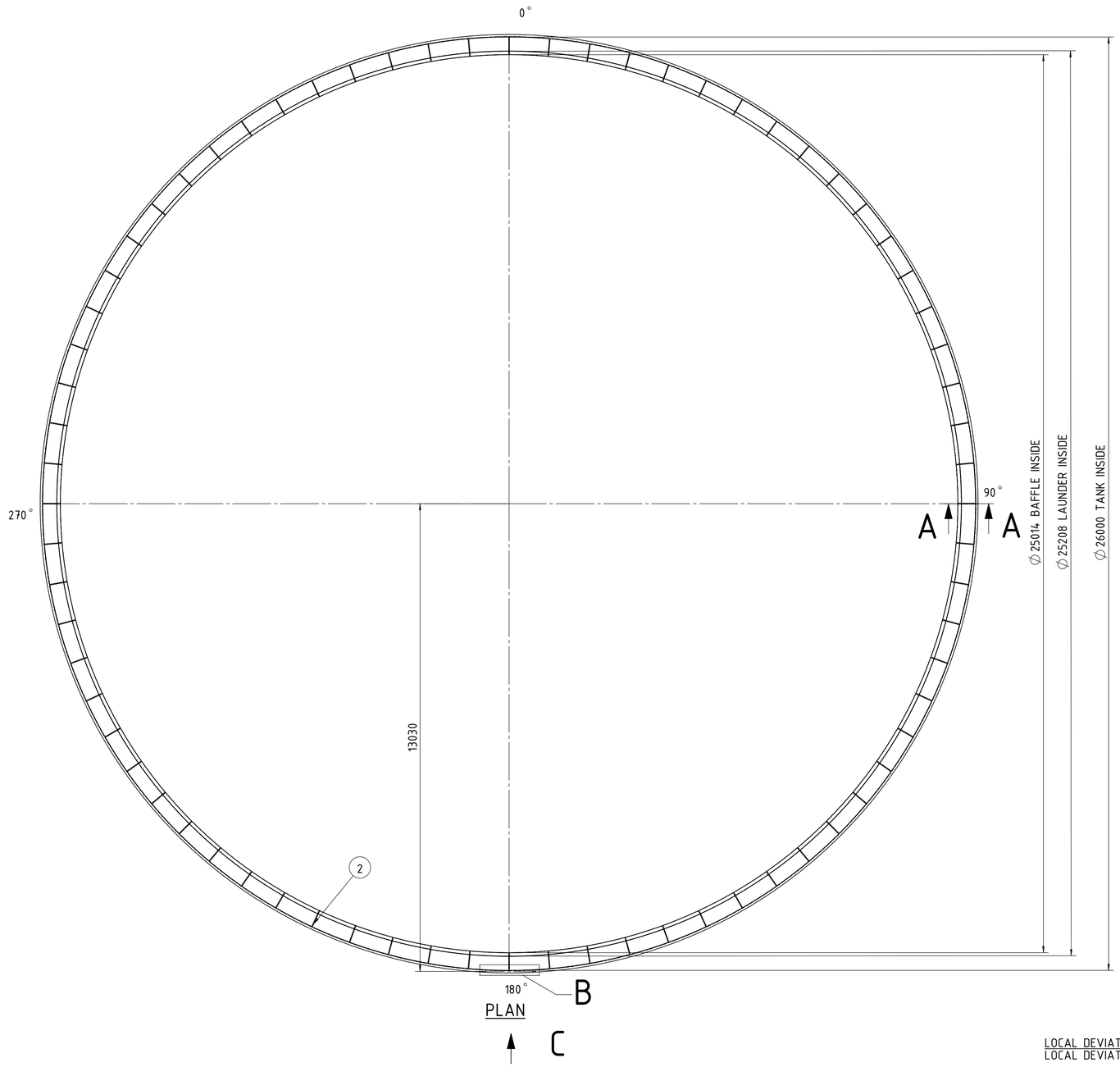
DOCUMENT TITLE
INSTALLATION DRAWING

SUPPORT STRUCTURE
26m THICKENER TANK

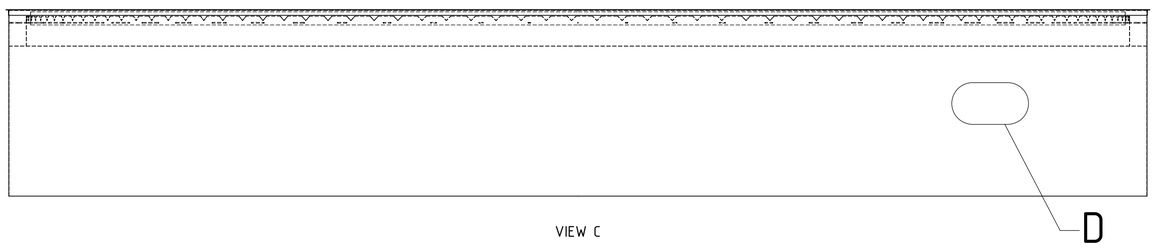
PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745					0	2 / 2

DOCUMENT ID
OU601736498

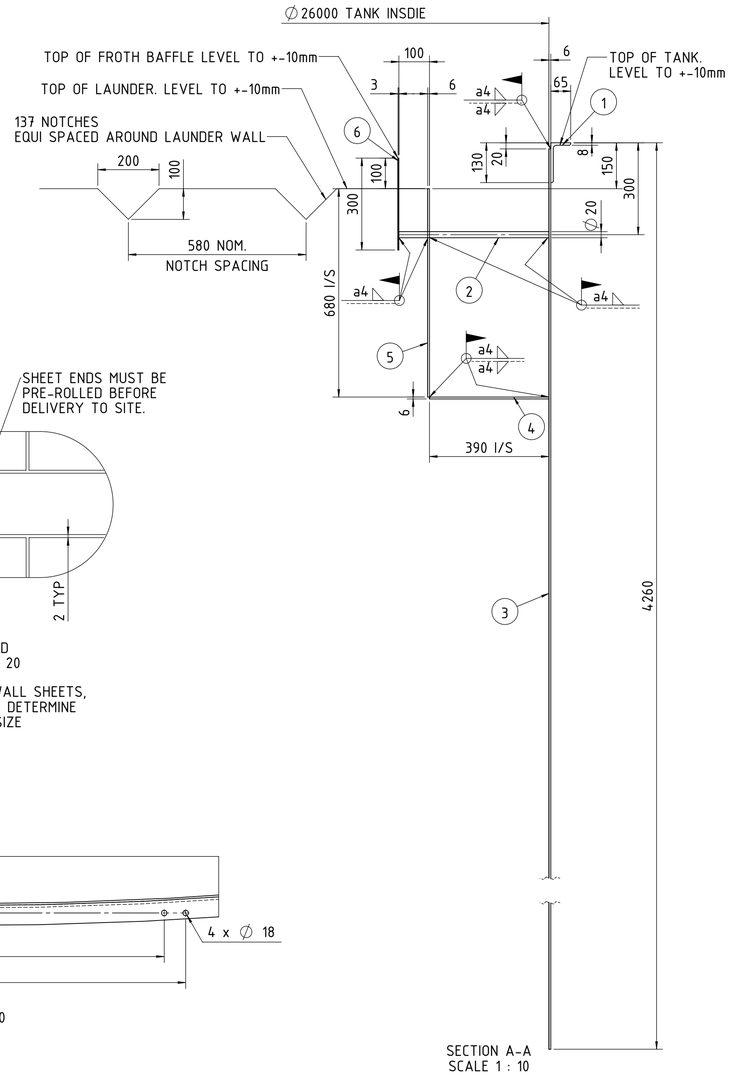
REFER TO OU650139761 GENERAL NOTES FOR MATERIAL, BOLT, WELD & TOLERANCE SPECIFICATION.

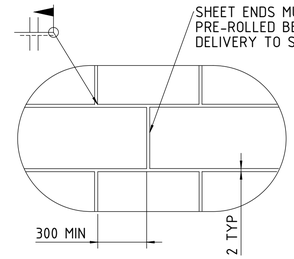


PLAN



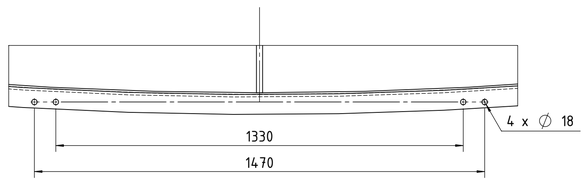
VIEW C





DETAIL D
SCALE 1 : 20

STAGGER TANK WALL SHEETS,
CONTRACTOR TO DETERMINE
SHEET SIZE



DETAIL B
SCALE 1 : 10

SECTION A-A
SCALE 1 : 10

LOCAL DEVIATION
LOCAL DEVIATION FROM THEORETICAL SHAPE SHALL BE LIMITED TO AS FOLLOWS:

1. DEVIATIONS (PEAKING) AT VERTICAL WELD JOINTS SHALL NOT EXCEED 13mm. PEAKING AT VERTICAL WELD JOINTS SHALL BE DETERMINED USING A HORIZONTAL SWEEP BOARD 900mm LONG. THE SWEEP BOARD SHALL BE MADE TO THE NOMINAL RADIUS OF THE TANK.
2. DEVIATIONS (BANDING) AT HORIZONTAL WELD JOINTS SHALL NOT EXCEED 13mm. BANDING AT HORIZONTAL WELD JOINTS SHALL BE DETERMINED USING A STRAIGHT EDGE VERTICAL SWEEP BOARD 900mm LONG.

TANK INSTALLATION TOLERANCES TO API 650

PLUMBNESS
MAXIMUM OUT-OF-PLUMBNESS OF THE TOP OF THE SHELL RELATIVE TO THE BOTTOM OF THE SHELL SHALL NOT EXCEED 1/200 OF THE TOTAL TANK HEIGHT
ROUNDNESS
RADII MEASURED AT ANY ORIENTATION SHALL NOT EXCEED THE FOLLOWING TOLERANCES

TANK DIAMETER	RADIUS TOLERANCE
<12m	±13mm
12m - <45m	±19mm
45m -<75m	±25mm
75m+	±32mm

IF PRESENT, FROTH BAFFLE RADIUS MUST BE WITHIN ±10mm.

MARK : OU601734284

PART	DESCRIPTION	MATERIAL	QTY.	WEIGHT [kg]	ITEM NO.	REMARKS
6	3 PL x 300 x 78593 LG (ROLLED)	1.4307 EN10088	1	555		
5	6 PL x 680 x 79212 LG (ROLLED)	S235J2 EN 10025	1	2472		
4	6 PL x Ø 26000 (CUT TO SHAPE)	S235J2 EN 10025	1	1478		
3	6 PL x 4240 x 81700 LG (ROLLED, I/S=Ø26000)	S235J2 EN 10025	1	16316		
2	Ø 20 x 490 LG	S235J2 EN 10025	72	1		
1	L EN 10056-1 - 130x65x8x81923 (ROLLED)	S235J2 EN 10025	1	969		

DIMENSIONS & BASIC MATERIAL — WEIGHT 21877 kg

REV.	NAME	DATE	NAME	DATE	NAME	DATE	REVISION TEXT
	PREPARED		CHECKED		APPROVED		
0	SinDai	25.10.2021	pasraj	10.12.2021	juksik	31.12.2021	FOR FABRICATION

STATUS	UNITS: mm	SCALE: 1:70	SIZE: A1
CUSTOMER	PROJECT PHASE		SITE NO.
PROJECT NAME: Chemitec RMG Madneuli 2x26m HCT	CUSTOMER DOCUMENT NO.		
REPLACED BY	REPLACES		LANGUAGE: EN

Metso:Outotec

DOCUMENT TITLE: INSTALLATION DRAWING

EQUIPMENT NO.: TANK WALL
26m THICKENER TANK

PROJECT ID	PLANT CODE	PLANT UNIT CODE	DOCUMENT TYPE	COUNTING NO.	REVISION	SHEET OF SHEETS
902745			MTC03		0	1 / 1

DOCUMENT ID: OU601734284