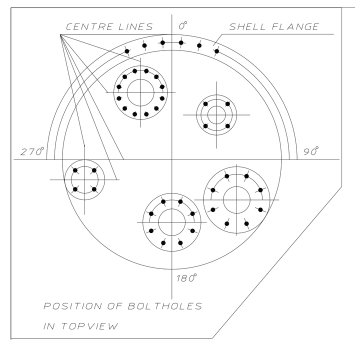
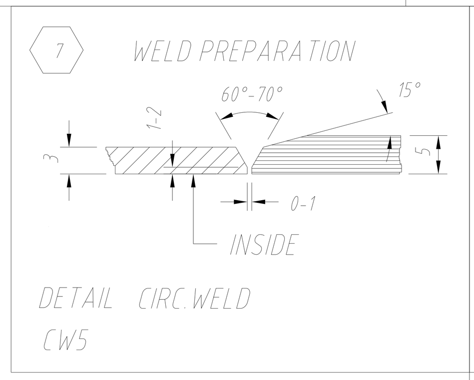
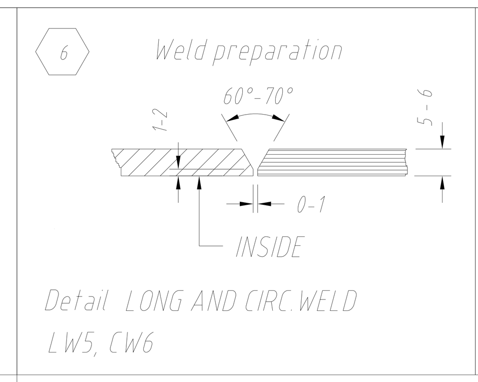
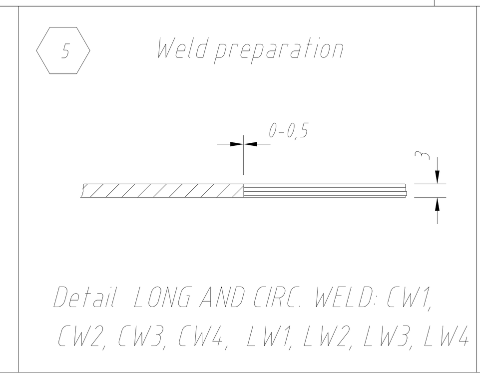
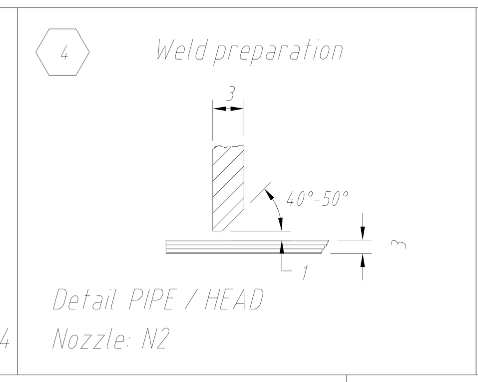
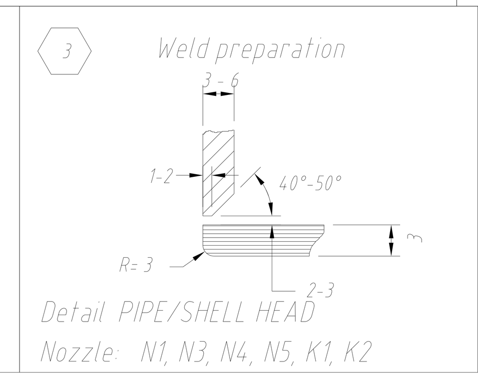


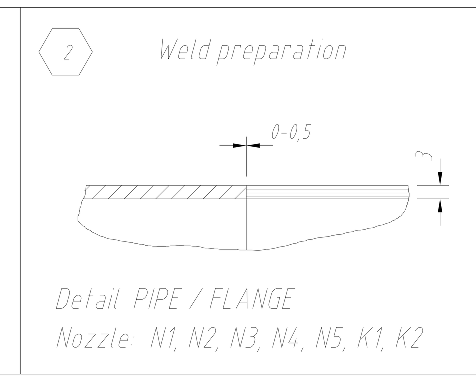


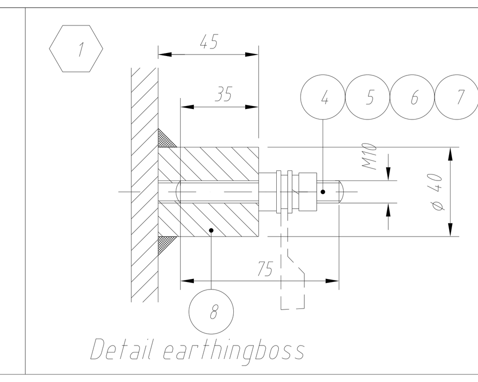


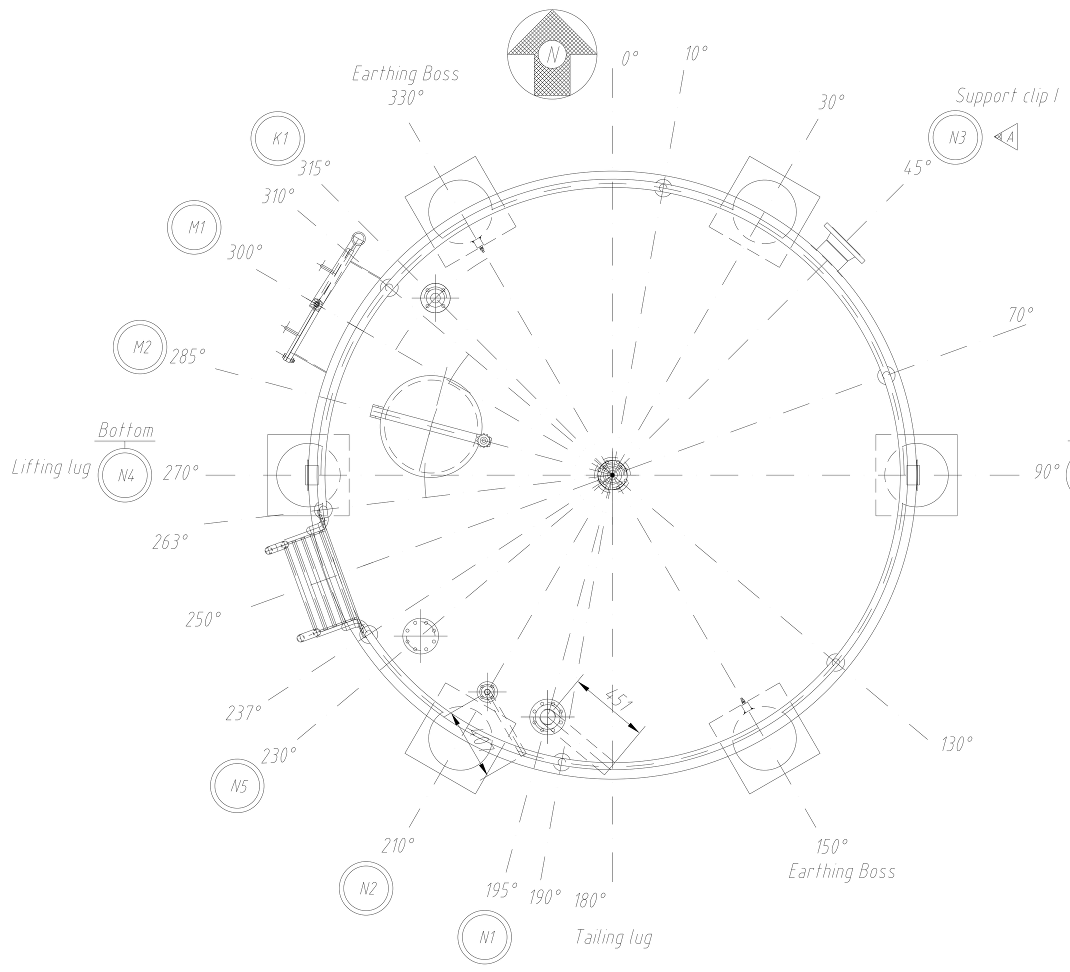


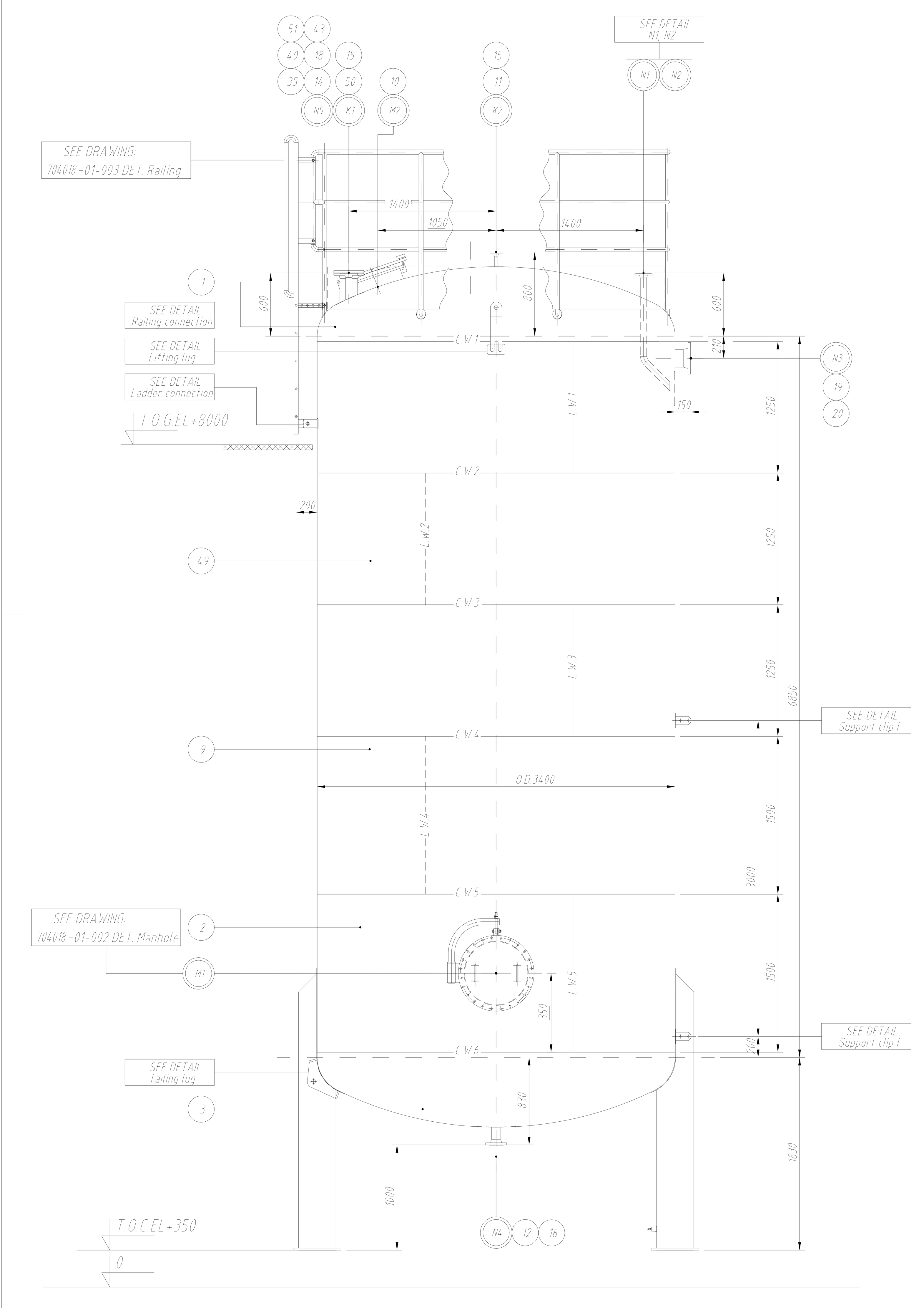


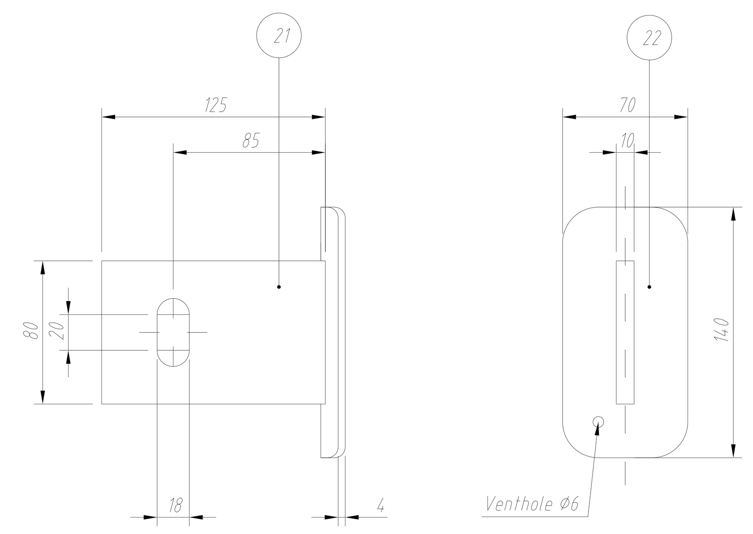




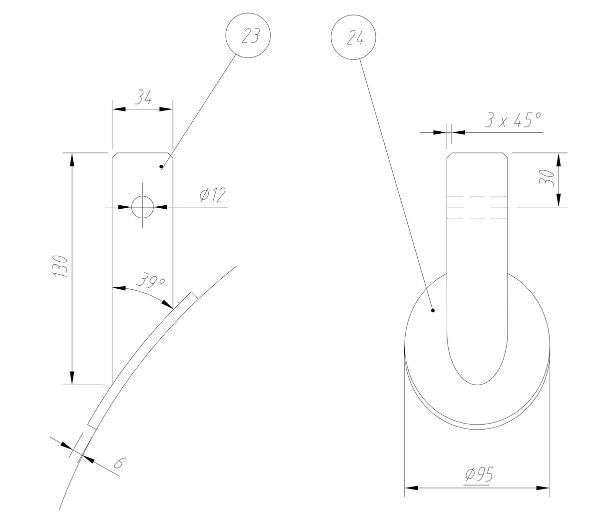




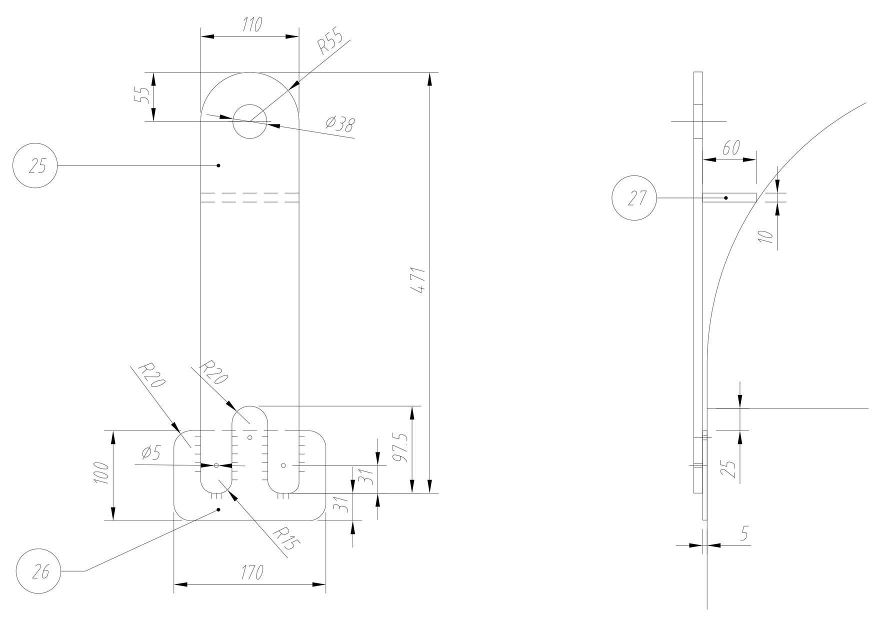




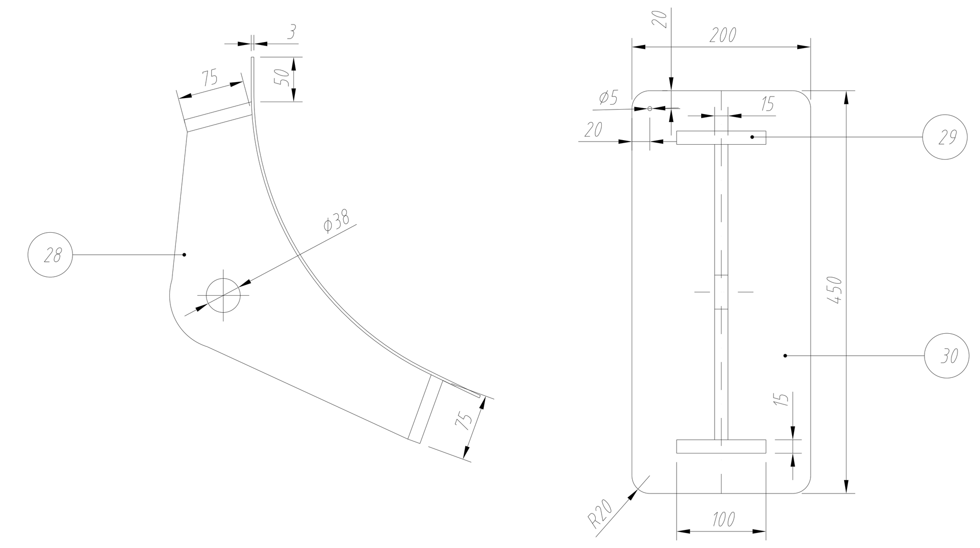
Detail Ladder connection



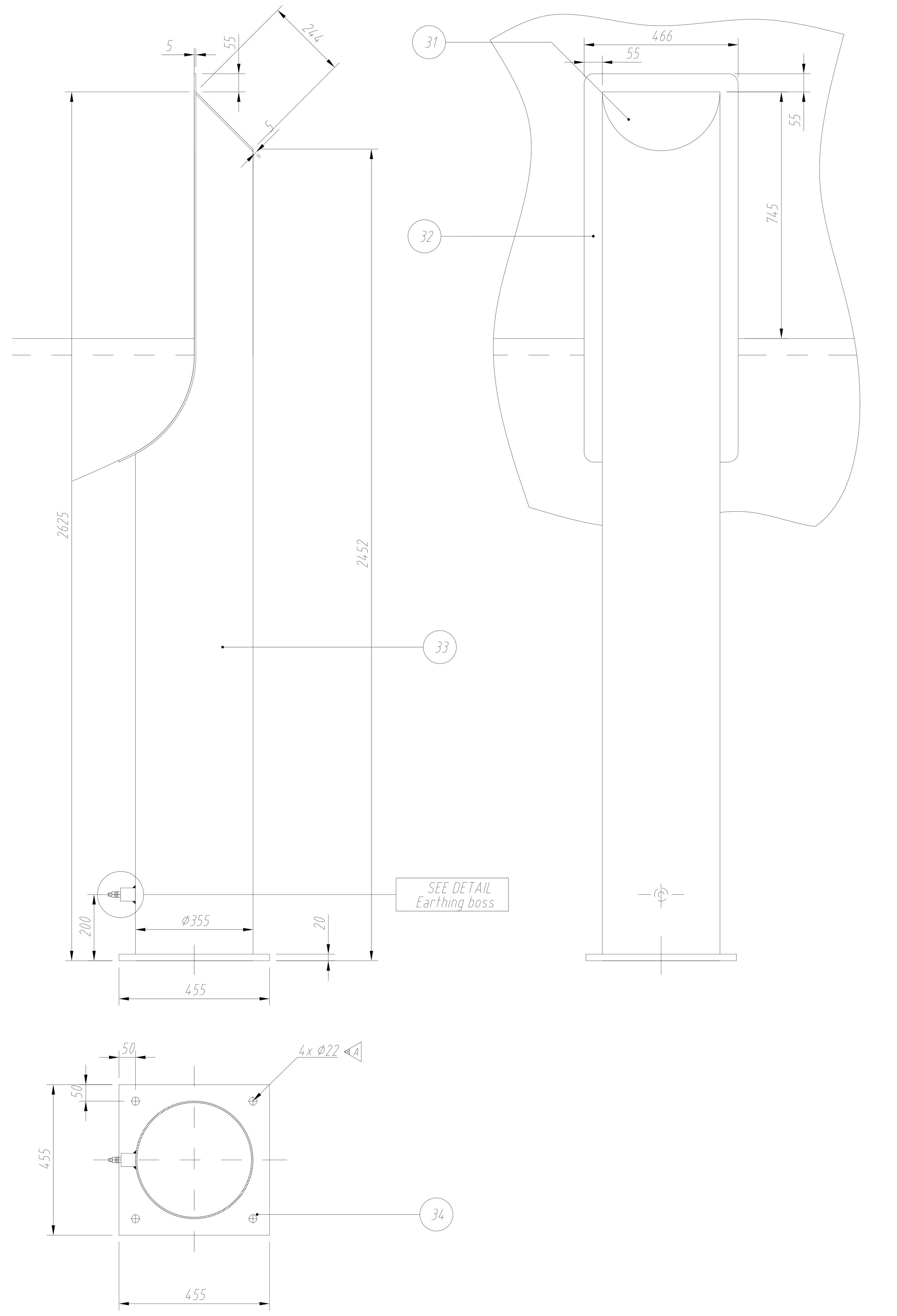
Detail Railing connection

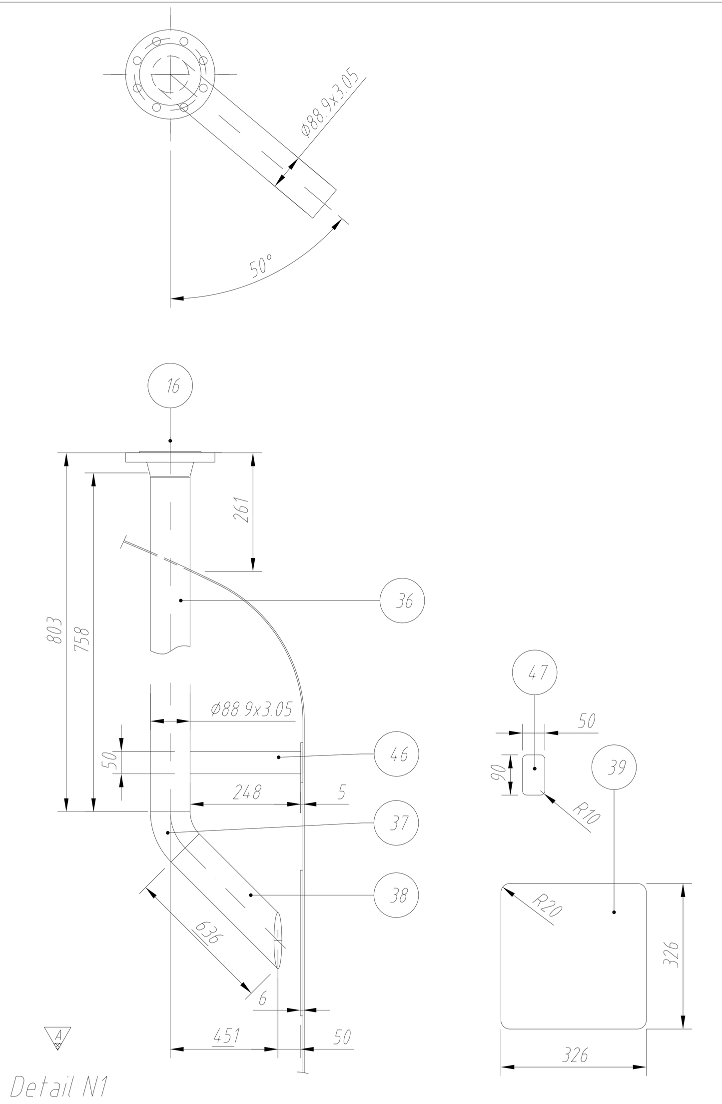


Detail Lifting lug

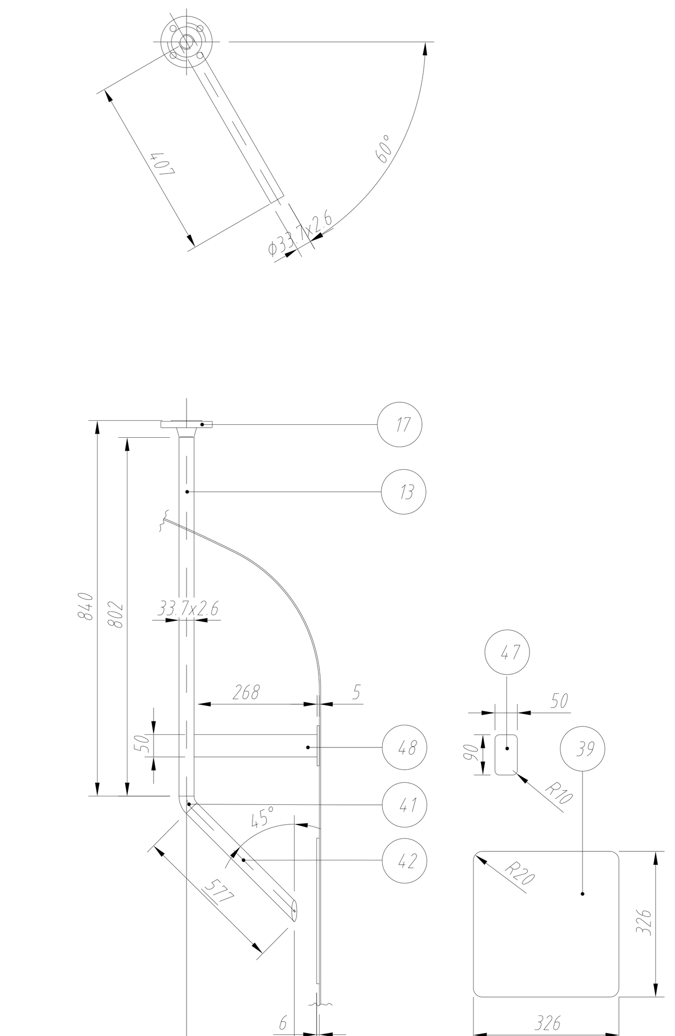


Detail Tailing lug

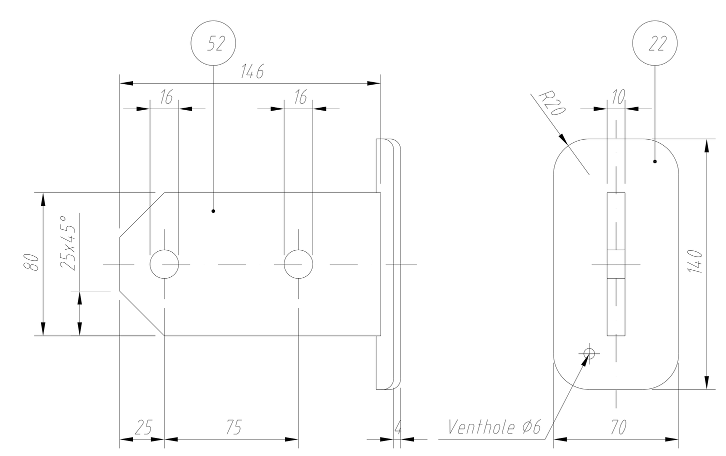




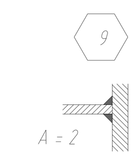
Detail N1

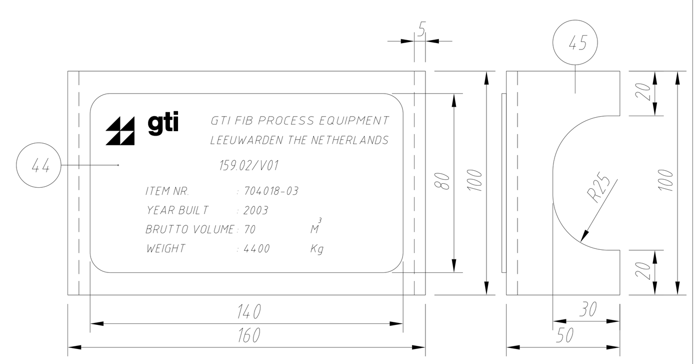


Detail N2



Detail Support clip I
2x Required at 45°





Detail: Nameplate

Mechanical data

	-	-	-	
Design code	Practice of Engineering			
Inspection	DSM			
Design pressure	atm	-	-	barg
Design temperature	50	-	-	°C
Operating pressure	atm	-	-	barg
Operating temperature	30/20/-10	-	-	°C
Test pressure	Air / Soap	-	-	barg
Volume (Brutto/Netto)	70 / 56	-	-	m³
Corrosion allowance	-	-	-	mm
Joint efficiency	-	-	-	
X-ray	-	-	-	%
Danger class	-	-	-	
Weight empty	4361	-	-	Kg
Weight full of water		-		Kg
Welding method	See Weldplan			
Surface treatment SS.	Pickled and passivated			
	-			
CS	-			
	-			
Tolerances according	-			
Flange gasket contact face finish	-			
Bolt holes in the flanges to straddle centerlines unless otherwise shown on dwg				

Process connection

	Mark	Numb. Req.	Service	Nom. Bore	Pipe	Flange connection
A	N1	1	Phosphoric acid inlet	80	88.9x3.05	DIN 2634-C
	N2	1	Phosphoric acid min. flow	25	33.7x2.6	DIN 2634-C
	N3	1	Overflow	150	168.3x3.40	DIN 2634-C
A	N4	1	Bottom outlet	80	88.9x3.05	DIN 2634-C
	N5	1	Spare	150	168.3x3.40	DIN 2634-C (With blindflange)
	K1	1	LZA (hh)	50	60.3x2.77	DIN 2634-C
	K2	1	L I SA (H/L/LL)	50	60.3x2.77	DIN 2634-C
	M1	1	Manhole	600	-	-
	M2	1	Manhole	500	-	See note 1)
	M4	1	Name Plate	-	-	-

General notes

1 M2 Provided with removable large-mesh grid (see drawing 01-005)

REV MARK	POS NO.	NUMB REQ.	DESCRIPTION / DIMENSION	MATERIAL	CERT.
A	52	2	Flatbar 80x10 L=146	1.4301 DIN17440	-
A	51	1	Gasket DN150 PN16 DIN2690 - Novapress 815 3mm	NBR/Aramide	-
A	50	1	Pipe Welded D=60.3x2.77 L=213	1.4404 DIN17457	3.1B
	49	3	Plate 3 1250x10700	1.4404 DIN17440	-
A	48	1	Flatbar 50x5 L=268	1.4404 DIN17440	-
	47	2	Flatbar 50x5 L=90	1.4401 DIN17440	-
A	46	1	Flatbar 50x5 L=248	1.4404 DIN17440	-
A	45	1	Plate 5 251x100	1.4404 DIN17440	-
	44	1	Nameplate 2 80x140	SS	-
A	43	1	Blind Flange C150 ND16 DIN2527	1.4404 DIN17440	3.1B
A	42	1	Pipe Welded D=33.7x2.6 L=577	1.4404 DIN17457	3.1B
A	41	1	Elbow D=33.7x2.6 45Gr. R=1.5D	1.4404 DIN2609	3.1B
A	40	16	Nut M20 DIN934	A2 DIN267	-
	39	2	Plate 6 326x326	1.4404 DIN17440	3.1B
A	38	1	Pipe Welded D=88.9x3.05 L=636	1.4404 DIN17457	3.1B
A	37	1	Elbow D=88.9x3.05 45Gr. R=1.5D	1.4404 DIN2609	3.1B
A	36	1	Pipe Welded D=88.9x3.05 L=758	1.4404 DIN17457	3.1B
A	35	8	Studbolt M20x110	A2-50 DIN267	-
	34	6	Plate 20 455x455	1.4301 DIN17440	-
	33	6	Pipe Welded D=355.6x4.78 L=2452	1.4301 DIN17440	-
	32	6	Plate 5 466x1281	1.4404 DIN17440	3.1B
	31	6	Plate 5 355x244	1.4301 DIN17440	3.1B
	30	1	Plate 3 450x200	1.4404 DIN17440	3.1B
	29	2	Plate 15 100x75	1.4301 DIN17440	3.1B
	28	1	Plate 15 350x150	1.4301 DIN17440	3.1B
	27	2	Plate 10 60x110	1.4404 DIN17440	3.1B
	26	2	Plate 5 170x100	1.4404 DIN17440	3.1B
	25	2	Plate 10 110x471	1.4301 DIN17440	3.1B
	24	7	Plate 4 D=95	1.4404 DIN17440	3.1B
	23	7	Bar D=35 L=130	1.4301 DIN17440	-
A	22	4	Plate 4 140x70	1.4404 DIN17440	3.1B
A	21	2	Flatbar 80x10 L=125	1.4301 DIN17440	-
	20	1	WN Flange C150x168.3 DIN2635 s=4.5	1.4404 DIN17440	3.1B
A	19	1	Pipe Welded D=168.3x3.2 L=80	1.4404 DIN17457	3.1B
A	18	1	WN Flange C150x168.3 DIN2635 s=3.2	1.4404 DIN17440	3.1B
A	17	1	WN Flange C25x33.7 DIN2635 s=2.6	1.4404 DIN17440	3.1B
A	16	2	WN Flange C80x88.9 DIN2635 s=3.2	1.4404 DIN17440	3.1B
	15	2	WN Flange C50x60.3 DIN2635 s=2.9	1.4404 DIN17440	3.1B
A	14	1	Pipe Welded D=168.3x3.40 L=229	1.4404 DIN17457	3.1B
A	13	1	Pipe Welded D=33.7x2.6 L=802	1.4404 DIN17457	3.1B
A	12	1	Pipe Welded D=88.9x3.05 L=117	1.4404 DIN17457	3.1B
A	11	1	Pipe Welded D=60.3x2.77 L=103	1.4404 DIN17457	3.1B
	10	1	Manhole D=520 TV 500 Zorzini	1.4404/EPDM	-
	9	1	Plate 3 1500x10700	1.4404 DIN17440	3.1B
A	8	2	Bar D=40 L=45	1.4404 DIN17440	-
A	7	2	Studbolt M10x75	Brass	-
A	6	2	Springwasher M10 DIN127B	Brass	-
A	5	4	Washer M10 DIN125A	Brass	-
A	4	4	Nut M10 DIN934	Brass	-
	3	1	Head HD OD=3400 h=50 t=6A.FAcc. DIN28011	1.4404 DIN17440	3.1B
A	2	1	Plate 5 1500x10700	1.4404 DIN17440	3.1B
	1	1	Head HD OD=3400 h=50 t=3A.FAcc. DIN28011	1.4404 DIN17440	3.1B

DSM
DSM Gist B.V. Delft - Holland

Code no.	Building				S1	Dest.		S2	Year				
	1	5	9	5	4	0	5	0	3	0	1		
Project no.	8173			Autocad				Size	A1				
Drawing no.	Location			D.	Serial no.					Iss.			
	0	0	1	W	5	4	3	0	1	A			

AS BUILT STATUS FIB		AS BUILT STATUS CLIENT		N.A. STATUS INSP. AUTHORITY	
0	A	B	C 04-03-2003	D	E

SCALE	1:25	DATE	REMARKS	-
DRAWN	TRE	15-11-2002	SEE DRAWING 001W54299	
CHECKED	J.S. Admiraal	04-03-2003	-	

REVISED: A 15-01-2003 TE; B 28-01-2003 TE; C 04-03-2003 MP; D -; E -

PROJECT: CHEMICALIEN TANKENPARK
DSM - GIST ALLIANCE MASTERPLAN

SUBJECT: Fosforzuur tank
Tagnr. 159.02/V01

ITEM NO -
FORM A0
REG NO -
DRWG NO 704018\ENGIN\DWG
SHEET NO 03-001

gti GTI FIB Process Equipment
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LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

100 mm

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