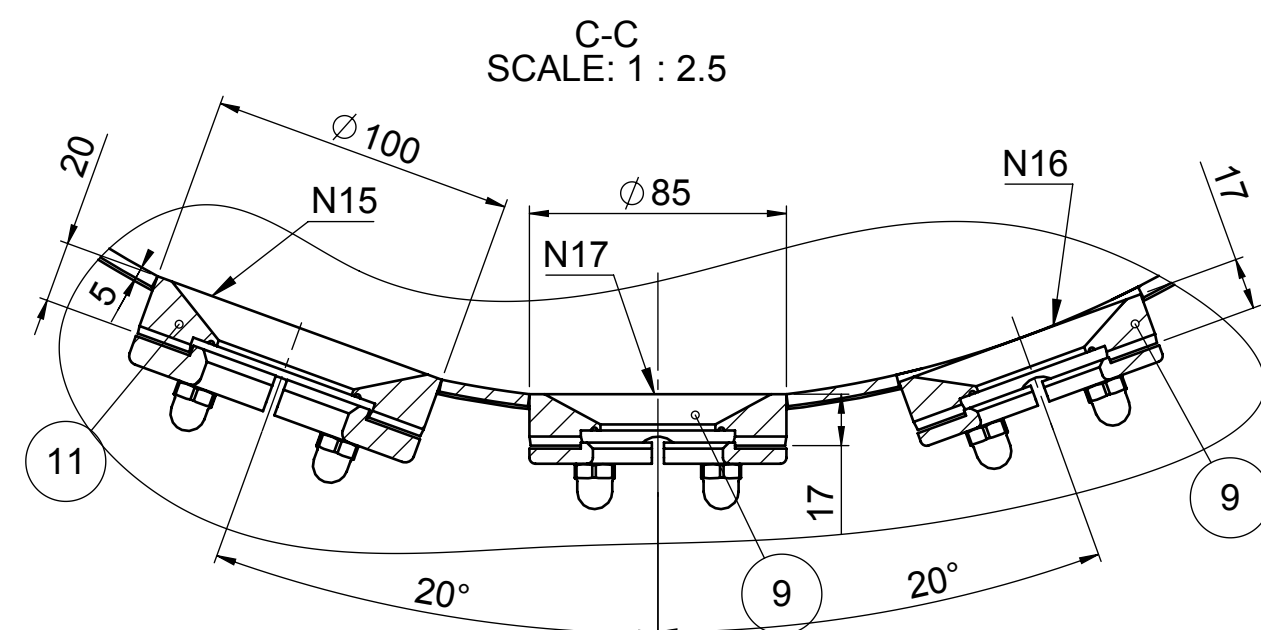
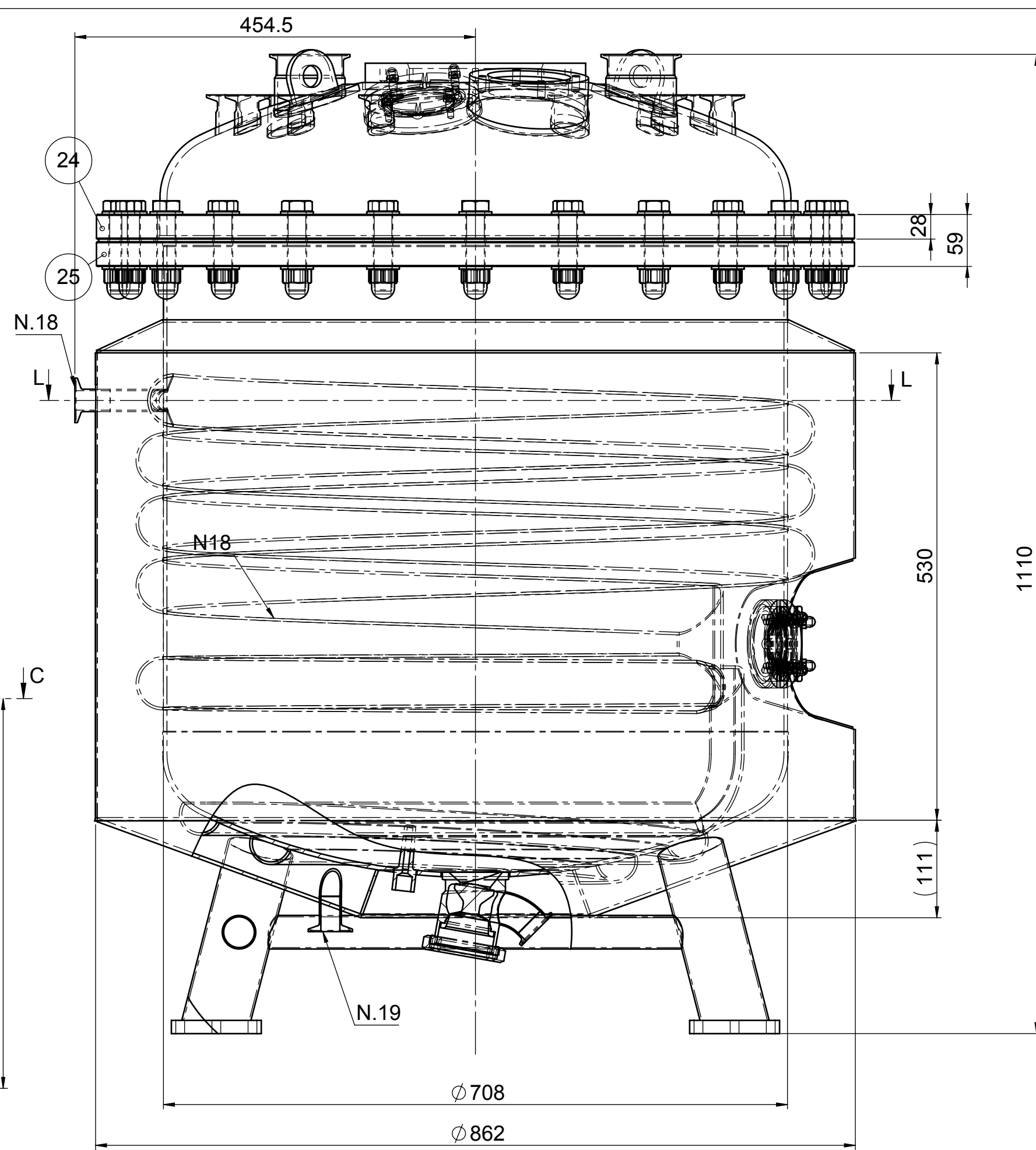
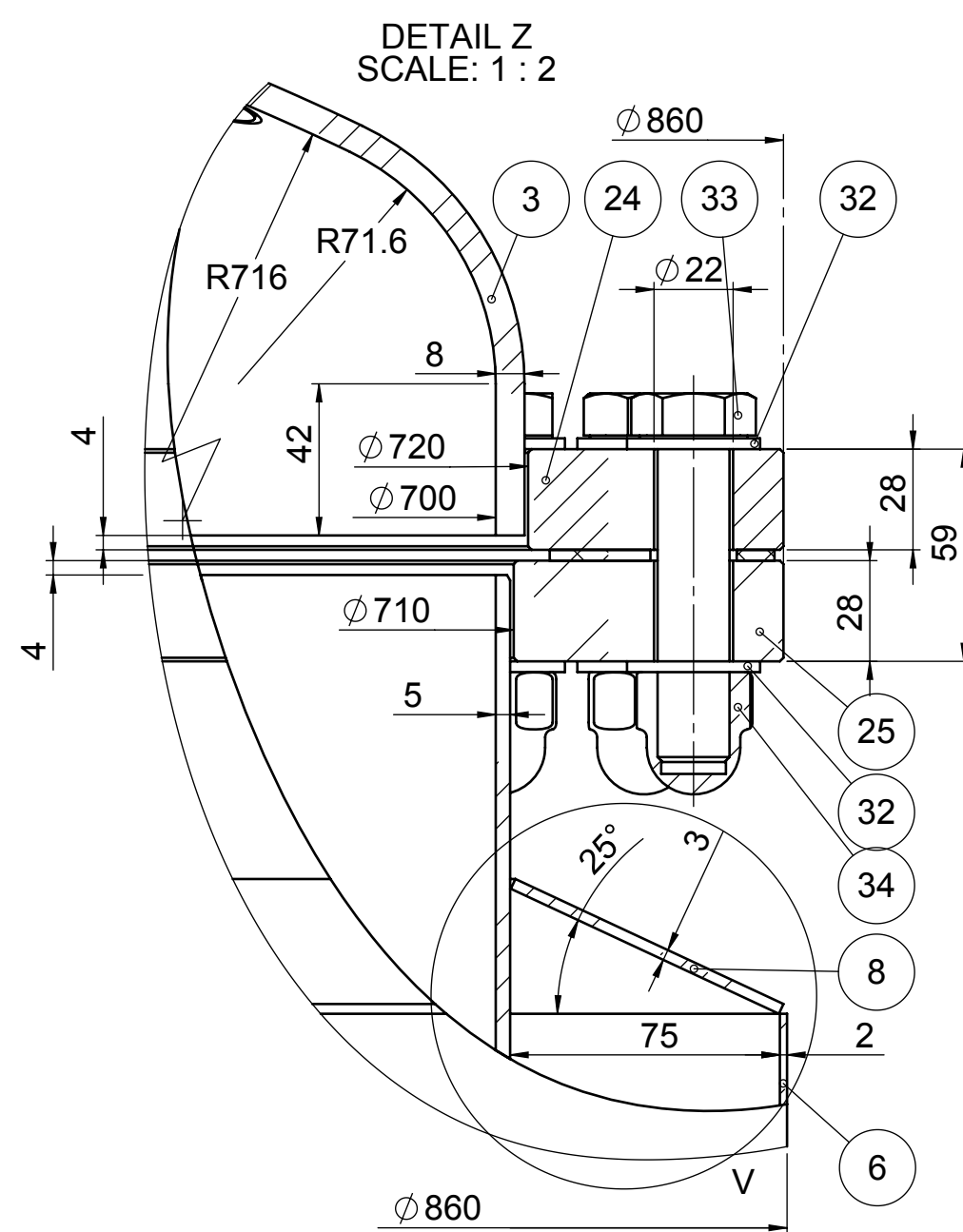
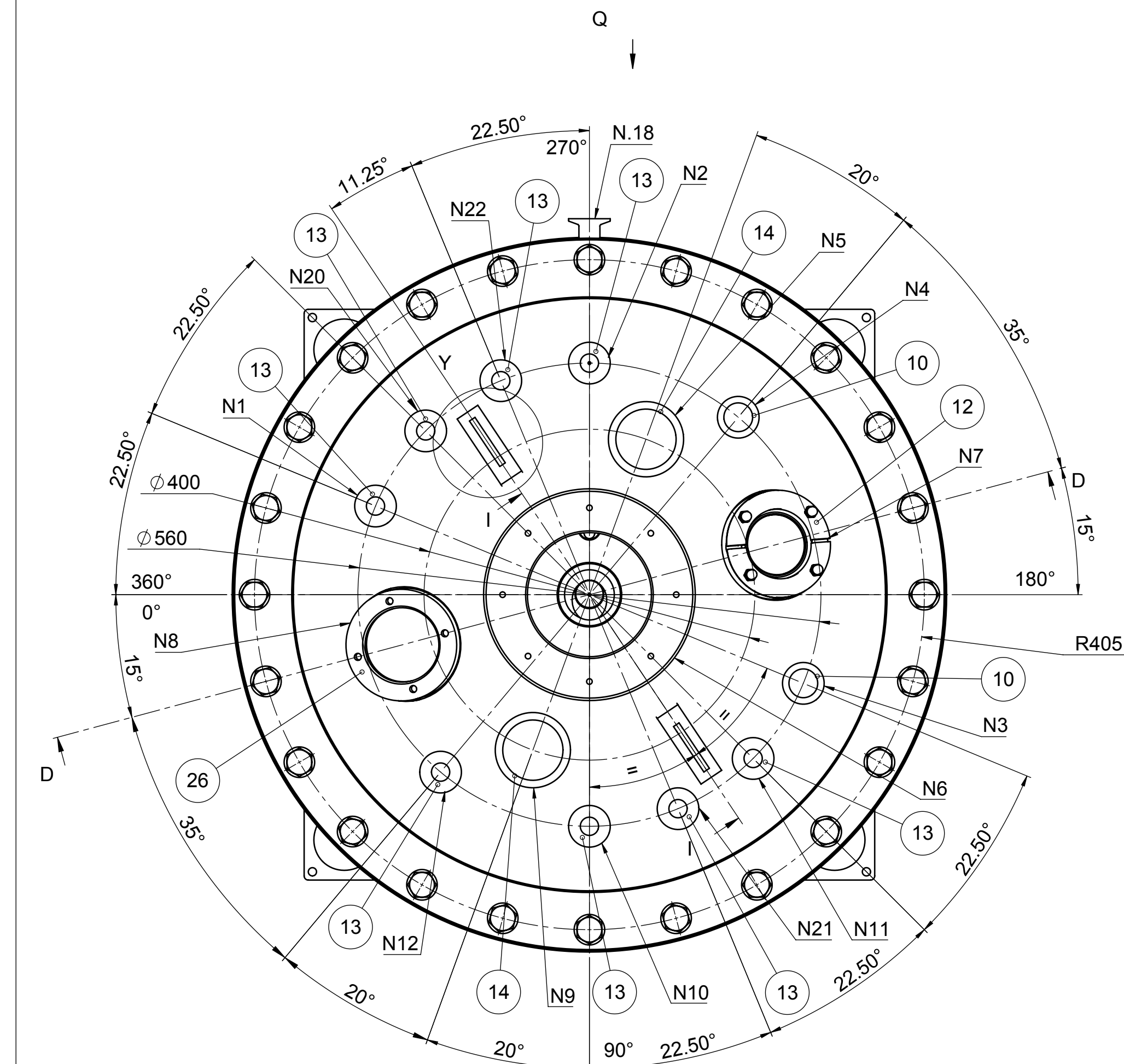
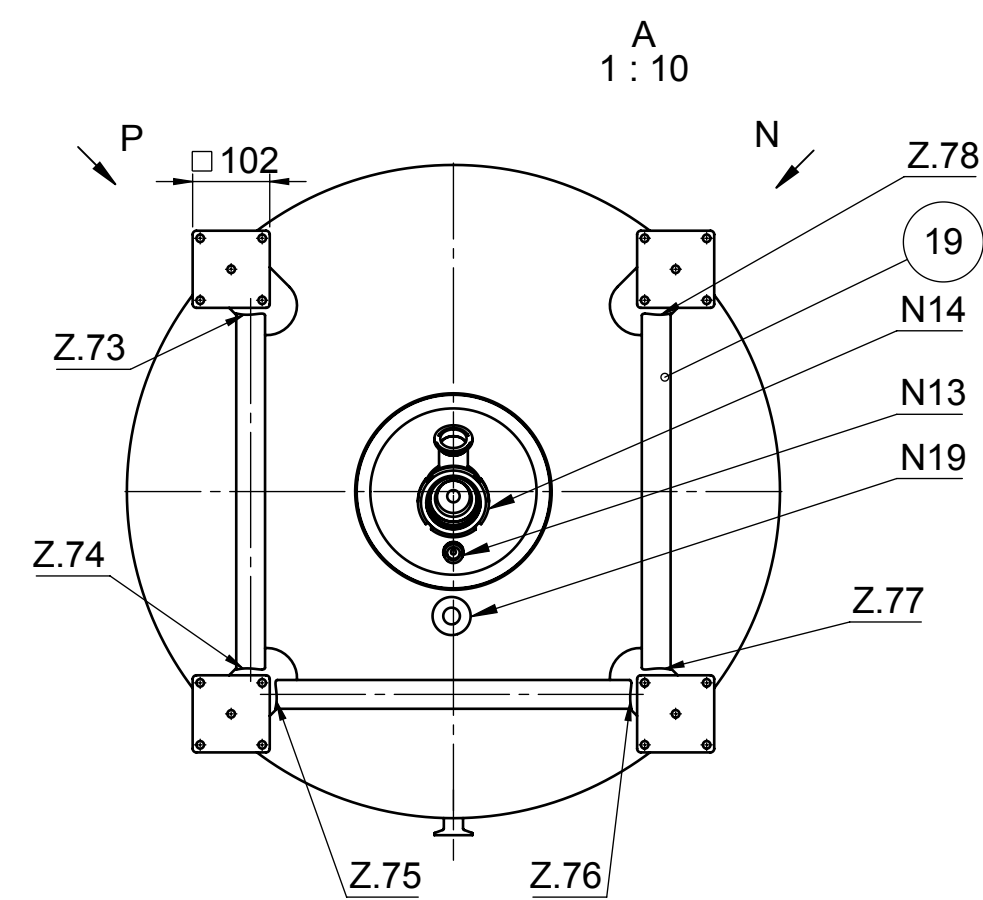




Connection Data						
Name	Intendent for	Nominal dimension	Connection type	Position	Equipment	
N.1	Safety valve	1"	TC 1" for BS 4825	Top of vessel	/	
N.2	Level switch	1"	TC 1" for BS 4825	Top of vessel	/	
N.3	Light	1"	TC 1" for BS 4825	Top of vessel	/	
N.4	Pressure sensor	1.5"	TC 1.5" for BS 4825	Top of vessel	/	
N.5	Spray ball	3/11"	TC 1" for BS 4825	Top of vessel	/	
N.6	Mixer with scrapers	PRG	Flange 150/180	Top of vessel	/	
N.7	Sight glass	3"	TK 3" for BS 4825	Top of vessel	/	
N.8	High shear mixer	PRG	Flange 150/180	Top of vessel	/	
N.9	Spray ball	3/11"	TC 1" for BS 4825	Top of vessel	/	
N.10	Spare	1"	TC 1" for BS 4825	Top of vessel	/	
N.11	Breathing filter	1"	TC 1" for BS 4825	Top of vessel	/	
N.12	Spare	1"	TC 1" for BS 4825	Top of vessel	/	
N.13	Temperature sensor	G1/2"	Pipe thread 1/2"	Bottom of vessel	/	
N.14	Bottom valve	1.5"	TC 1.5" BS 4825	Bottom of vessel	/	
N.15	Sampling	2"	TK 2" for BS 4825	Shell	/	
N.16	pH sensor	1.5"	TK 1.5" for BS 4825	Shell	/	
N.17	Conductivity sensor	1.5"	TK 1.5" for BS 4825	Shell	/	
N.18	Tempering supply	1"	TC 1" for BS 4825	Shell	/	
N.19	Tempering return	1"	TC 1" for BS 4825	Bottom of vessel	/	
N.20	Spare	1"	TC 1" for BS 4825	Top of vessel	/	
N.21	Spare	1"	TC 1" for BS 4825	Top of vessel	/	
N.22	Spare	1"	TC 1" for BS 4825	Top of vessel	/	



34	Nut M20	24	HRN EN ISO 3506-2	A2-70	M20	97.64
33	Bolt DIN 934	24	HRN EN ISO 3506-1	A2-70	M20x75	296
32	Washer DIN 125A	48	/	A2	M20	17.14
31	TC 1" BS 4825	2	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø25.4x1.65	0.09415
30	Elbow 1" BS 4825	1	EN 10217-7:2014	1.4301 (X5CrNiMo16-10)	Ø25.4x1.65	0.06
29	Elbow 1" BS 4825	1	EN 10217-7:2014	1.4301 (X5CrNiMo16-10)	Ø25.4x1.65	0.06
28	Half coil reducer	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø60.3/Ø25.4x3	0.05
27	Bottom valve 1.5	1	EN 10272-2016	1.4404 (X2CrNiMo17-12-2)	Ø75/Ø61	1.69
26	Flange Mixer - 2	1	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø135xØ104	1.75
25	Flange - 2	1	EN 10222-5:1999	1.4301 (X5CrNiMo16-10)	Ø860/Ø710x28	39.35
24	Flange	1	EN 10222-5:1999	1.4301 (X5CrNiMo16-10)	Ø860/Ø718x28	35.94
23	Flange Mixer	1	EN 10272-2016	1.4404 (X2CrNiMo17-12-2)	Ø1250xØ50	7.47
22	Lug	2	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø150xØ63	347.08
21	Leg plate	4	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	□102x11.5	1.20
20	Leg pipe	4	EN 10217-7:2014	1.4301 (X5CrNiMo16-10)	Ø76.1x2	0.77
19	Pipe leg	3	EN 10217-7:2014	1.4301 (X5CrNiMo16-10)	Ø66.1x1.65	0.70
18	Half coil	1	EN 10028-7:2016	1.4541 (X2CrNiTiB18-10)	Ø30.3x3	26.42
17	Gasket	1	-	PTFE (general)	Ø855/Ø730x3	1.61
16	Half coil reducer	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø60.3/Ø25x25x3	0.07
15	Temperature transmitter	1	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø25/Ø17.4x75	0.11
14	TC 3" BS 4825	2	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø80x3.6	0.45433
13	TC 1" BS 4825	8	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø29x3.5	0.14279
12	TK 3" BS 4825	1	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø78.2x1.65	1.62
11	TK 2" BS 4825	1	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø50x1.65	1.16
10	TC 1.5" BS 4825	2	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø42x3.6	0.18159
9	TK 1.5" BS 4825	2	EN 10272:2016	1.4404 (X2CrNiMo17-12-2)	Ø25.4x1.65	0.67
8	Collar top	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø862/Ø708x2	4.86
7	Collar insulation shell side	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø195/Ø1144x42	1.35
6	Shell insulation	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø1962xØ530x2	21.43
5	Collar insulation shell bottom	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø260x51x3	0.95
4	Collar insulation shell	1	EN 10028-7:2016	1.4301 (X5CrNiMo16-10)	Ø86x44	18.11
3	Torspherical top	1	EN 10028-7:2016	1.4404 (X2CrNiMo17-12-2)	DIN 28011 x5700x8	31.50
2	Shell	1	EN 10028-7:2016	1.4404 (X2CrNiMo17-12-2)	x7000x5520x5	38.42
1	Torspherical bottom	1	EN 10028-7:2016	1.4404 (X2CrNiMo17-12-2)	DIN 28011 x5700x5	20.97
Pos. Pos.	Nastyr glade PART NAME	KOM. KOMPES	Chito tag - Norma DRAWING No. - NORM	MATERIAL	Dimensio - Proportio DIMENSIONS - MANUFACTURE	MASS MASS

		Hrvatska tel.: +385 1 2450009 fax.: +385 1 2450034 e-mail: info@micro.hr		 							
www.micro.hr Marijana Čavica 9, 10000 Zagreb Hrvatska (Croatia)											
TYPE / NAME :		CV4201-MR 200L		SERIAL NUMBER : NIC 17-04							
MANUFACTURING YEAR :		12017		PRESS TEST DATE 16/2017							
MATERIAL :		X2CrNiMo17-12-2		DIRECTIVE : PED 2014/68/EN							
		AISI 316L		STANDARD : EN 13445							
OPERATING VOLUME :		200 l		CATEGORY : IV							
EMPTY WEIGHT :		620 kg		FLUID GROUP: I							
				INVESTOR: TEVA							
		<table border="1"> <thead> <tr> <th>VESSEL</th> <th>JACKET</th> </tr> </thead> <tbody> <tr> <td>min/max -1/4 bar</td> <td>min/max atm/4 bar</td> </tr> <tr> <td>6 bar</td> <td>6 bar</td> </tr> </tbody> </table>		VESSEL	JACKET	min/max -1/4 bar	min/max atm/4 bar	6 bar	6 bar		
VESSEL	JACKET										
min/max -1/4 bar	min/max atm/4 bar										
6 bar	6 bar										
ALLOWABLE PRESS. PS:		min/max -1/4 bar		min/max -10/1750 °C							
TEST PRESS. PT :		6 bar		min/max -10/1750 °C							
ALLOWABLE TEMP. TS :		min/max -10/1750 °C		min/max -10/1750 °C							
MEDIA :		Solutions		Glycolized water steam							
TOTAL VOLUME:		275 l		1175 l							

Design data						
Description	Shell	Half Coil	Description	Shell	Half Coil	
Design pressure	-114bar	atm/4bar	Corrosion thickness	0.3		0.3
Work pressure	-114bar	atm/4bar	Fatigue analysis		5000	
Test pressure	6bar	6bar	Wind load			Indoor installation
Design temperature	-10/150°C	-10/150°C	Seismic loads		/	
Max. operating temp.	-10/150°C	-10/150°C	Heat transfer area			
Medium	Organic solvents and chemical	/	External finishing			-Ra0.8
Medium state	Liquid+Vapor+Solid	Liquid	Internal finishing			-Ra0.4
Medium group 1	1	2	Norm			PED 2014/68/EU
Fluid density	-kg/m3	-kg/m3	Design code			EN 13445-1:4
Operating volume	200l	11.75l	Module	G		G
Total volume	275l	11.75l	Testing group		3b	
Empty weight of vessel		620	Category		IV	
Total weight of vessel (test with water)			Welding factor		0.85	
Operating weight of		820	/		/	

Broj naziva - CODE		Datum - DATE		Ime i prezime - NAME		Potpis - SIGNATURE		nicro d.o.o. www.nicro.hr Marijana Cavića 9, 10000 Zagreb, HRVATSKA	
Prepared / DESIGNED BY		24.3.17	Ivica Bobek						
Designed / DEVELOPED BY		24.3.17	Ivica Bobek						
Check / CHECKED BY		24.3.17	Ivor Mikočević						
Prepared / REDESIGNED BY		26.3.17	Marin Bakija						
Checked / APPROVED BY		26.3.17	Ozana Krizan						
ISD - tolerancije / TOLERANCE				Serijski broj / SERIAL NUMBER:		Objekt broj / OBJECT No.:			
				NIC-17-4		R.N. broj / M.O. No.:			
				Napomena / NOTE:					
				Mobile compounding vessel		Kopija/COPY			
Materijal / MATERIAL:		X2CrNiMo17-12-2		Masa / MASS:		620kg			
				Naziv / TITLE:		Pozicija POSITION:		Format / FORMAT:	
Mjerilo originala SCALE				Reactor 200L (CV4201)		/		A1	
M1:5				Crtež broj / DRAWING NO:				Listovi / SHEETS	
				170014-F17093-TC-04_rev1				1 / 2	
								List / SHEET NAME	
								1	

