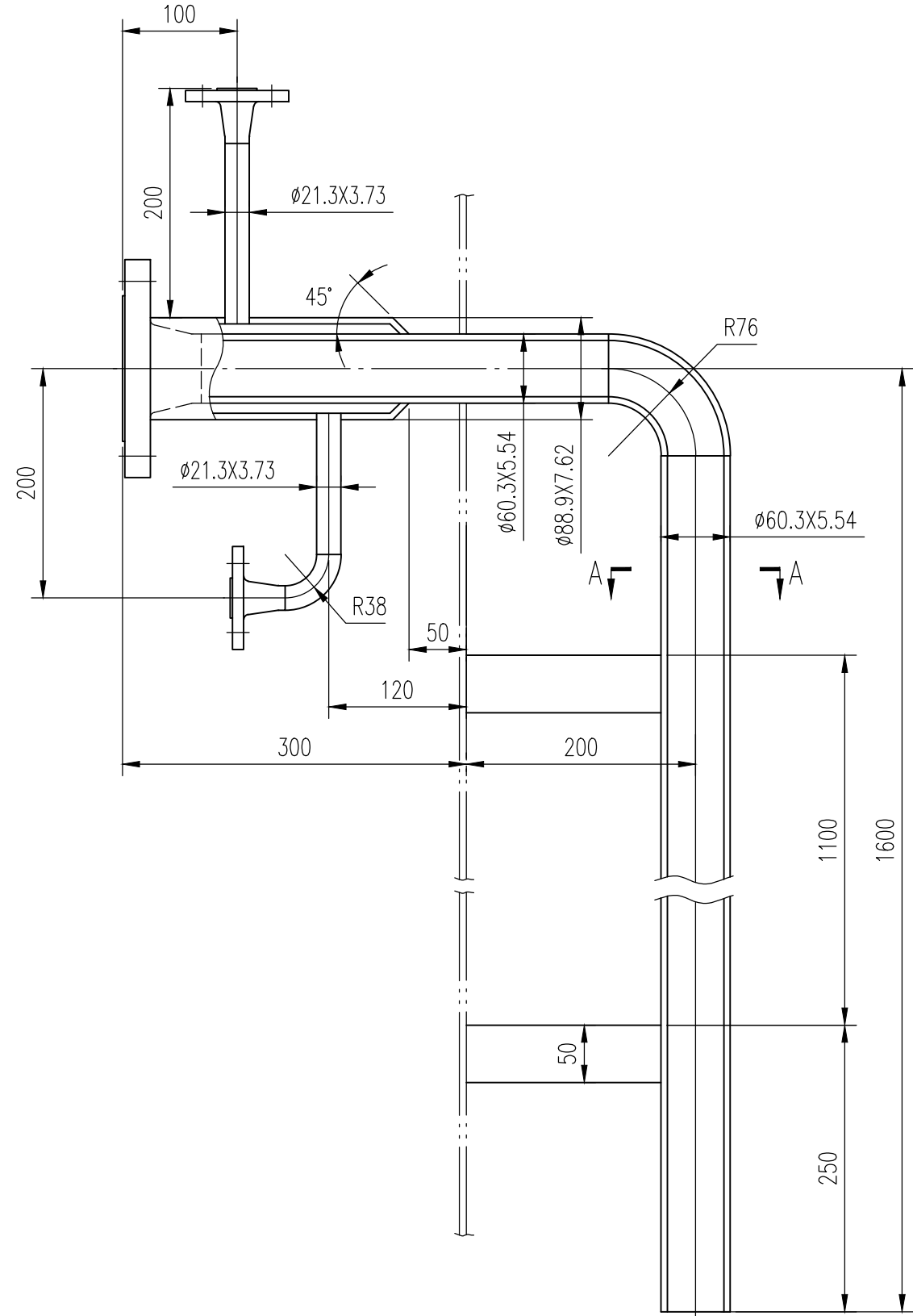
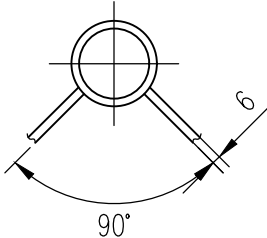


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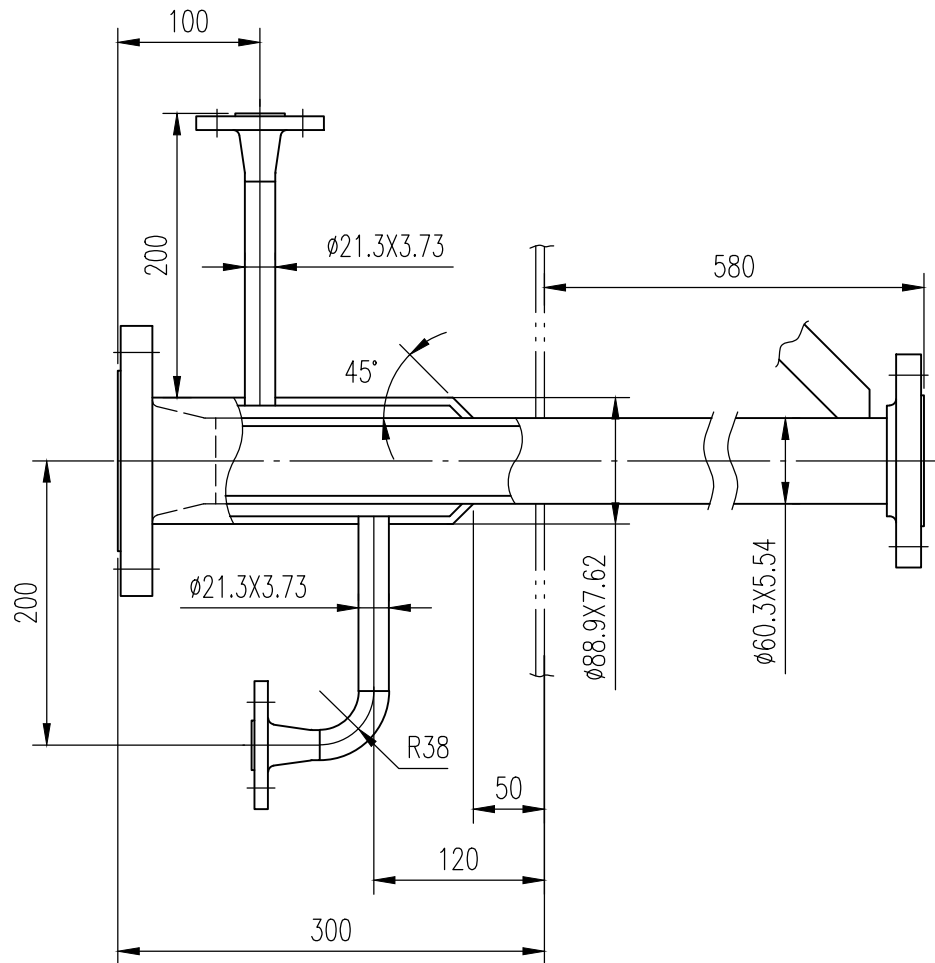
管口 N1详图
NOZZLE N1
1:5



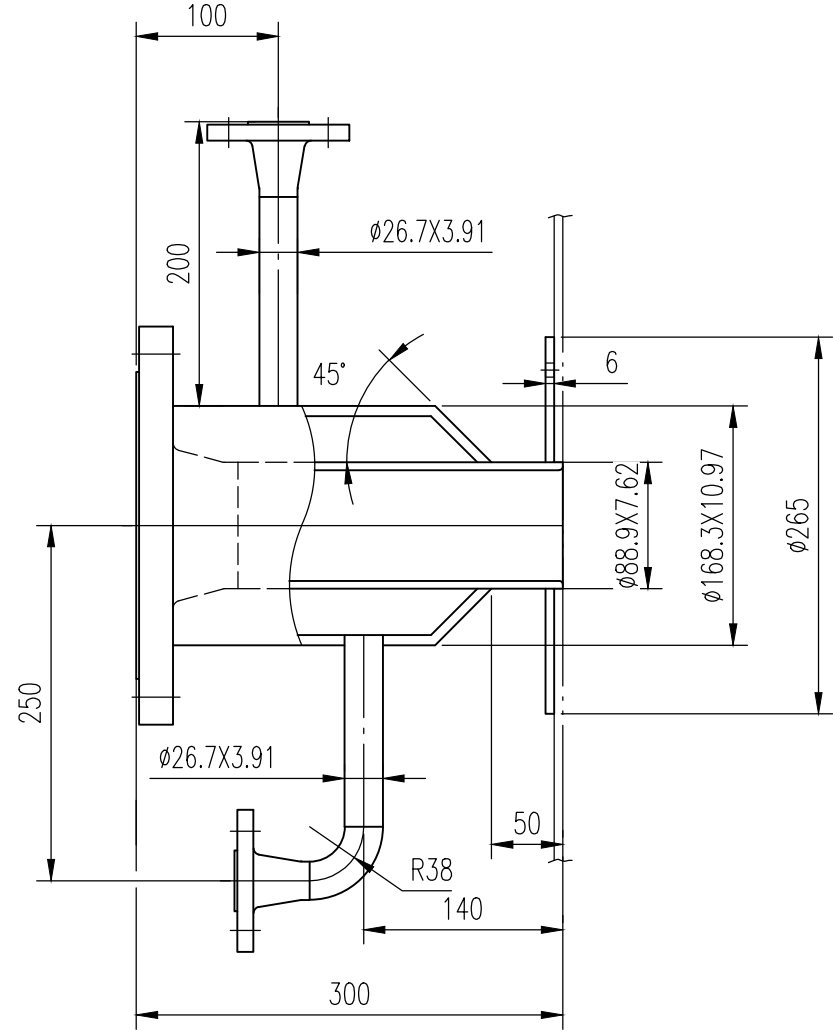
A-A
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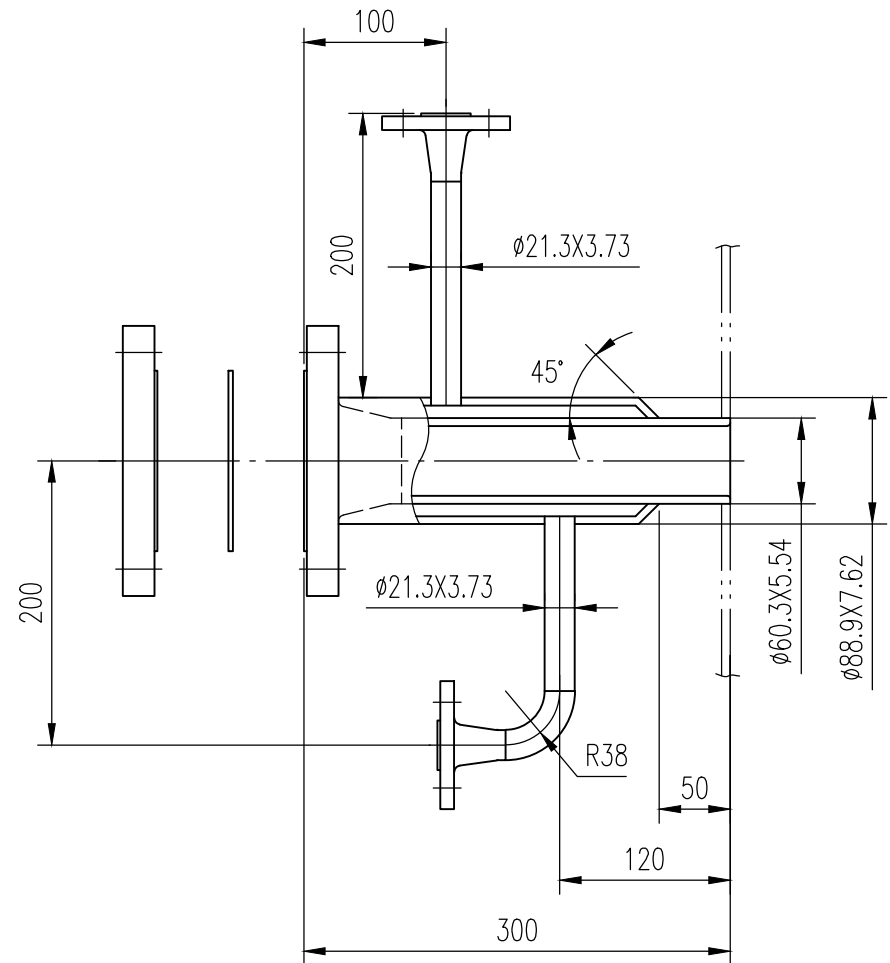
管口 N3详图
NOZZLE N3
1:5



管口 N2详图
NOZZLE N2
1:5



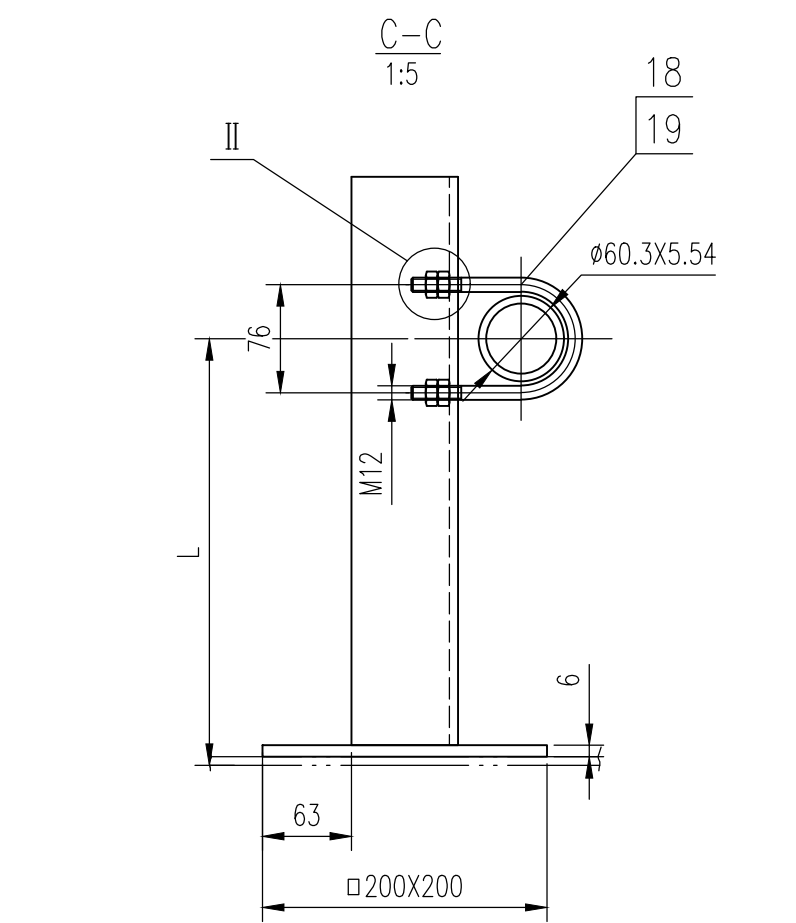
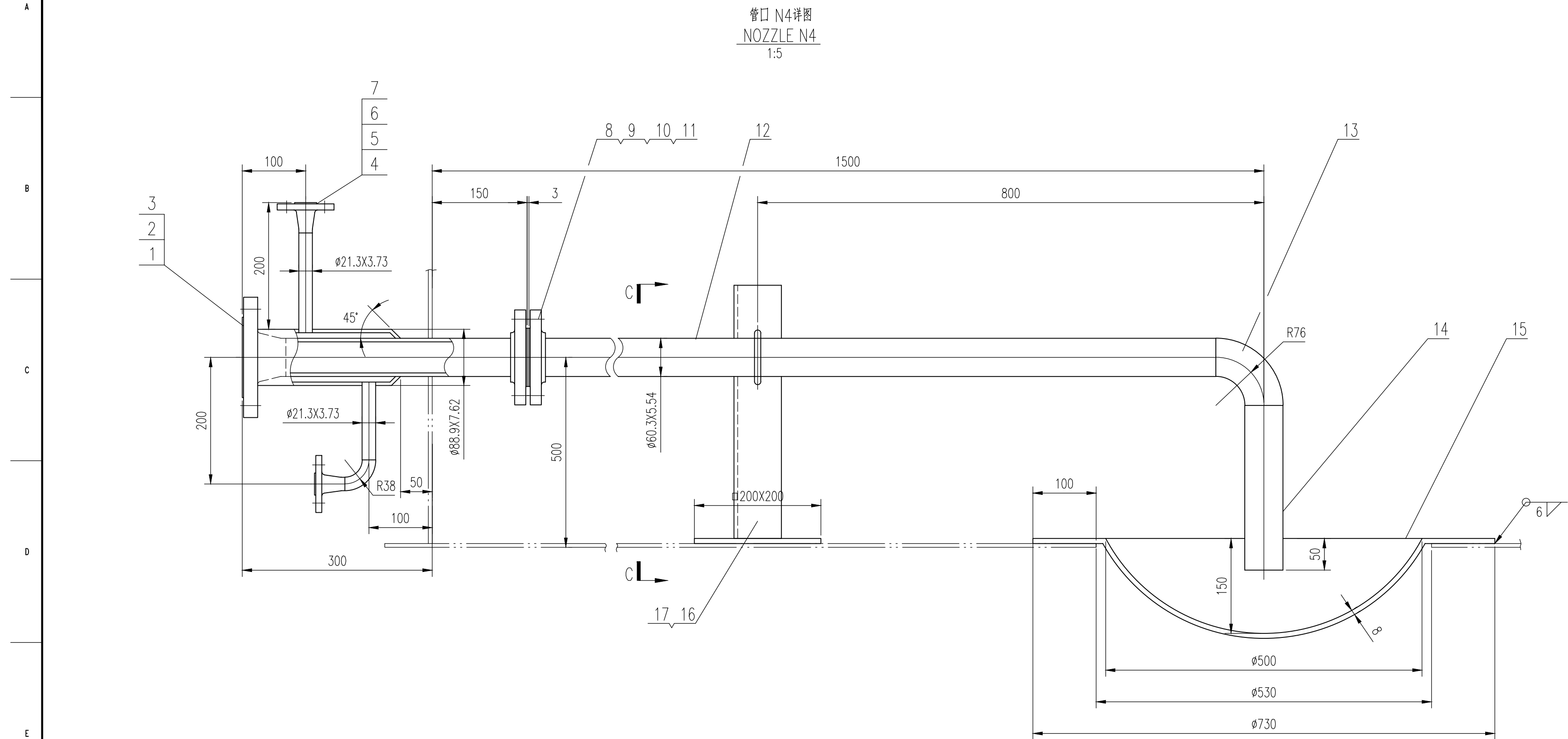
管口 N5 详图
NOZZLE N5
1:5



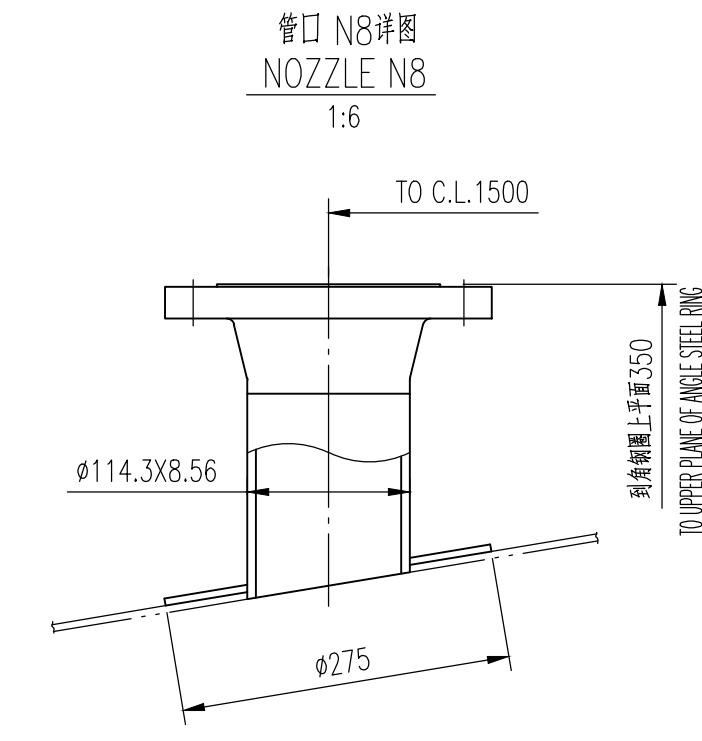
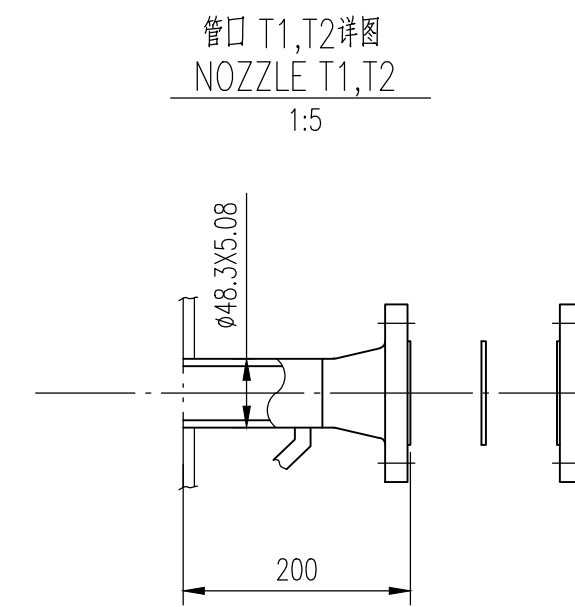
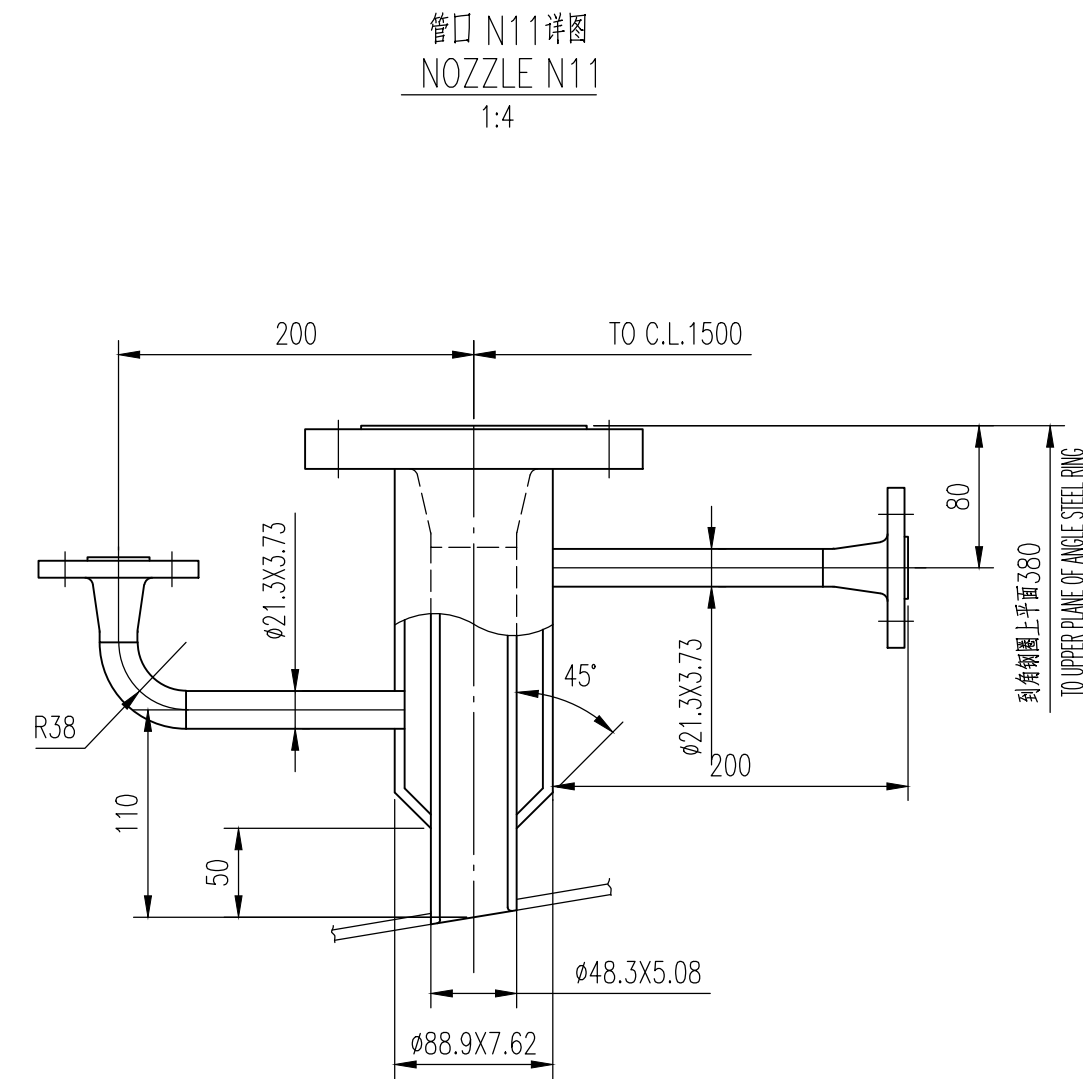
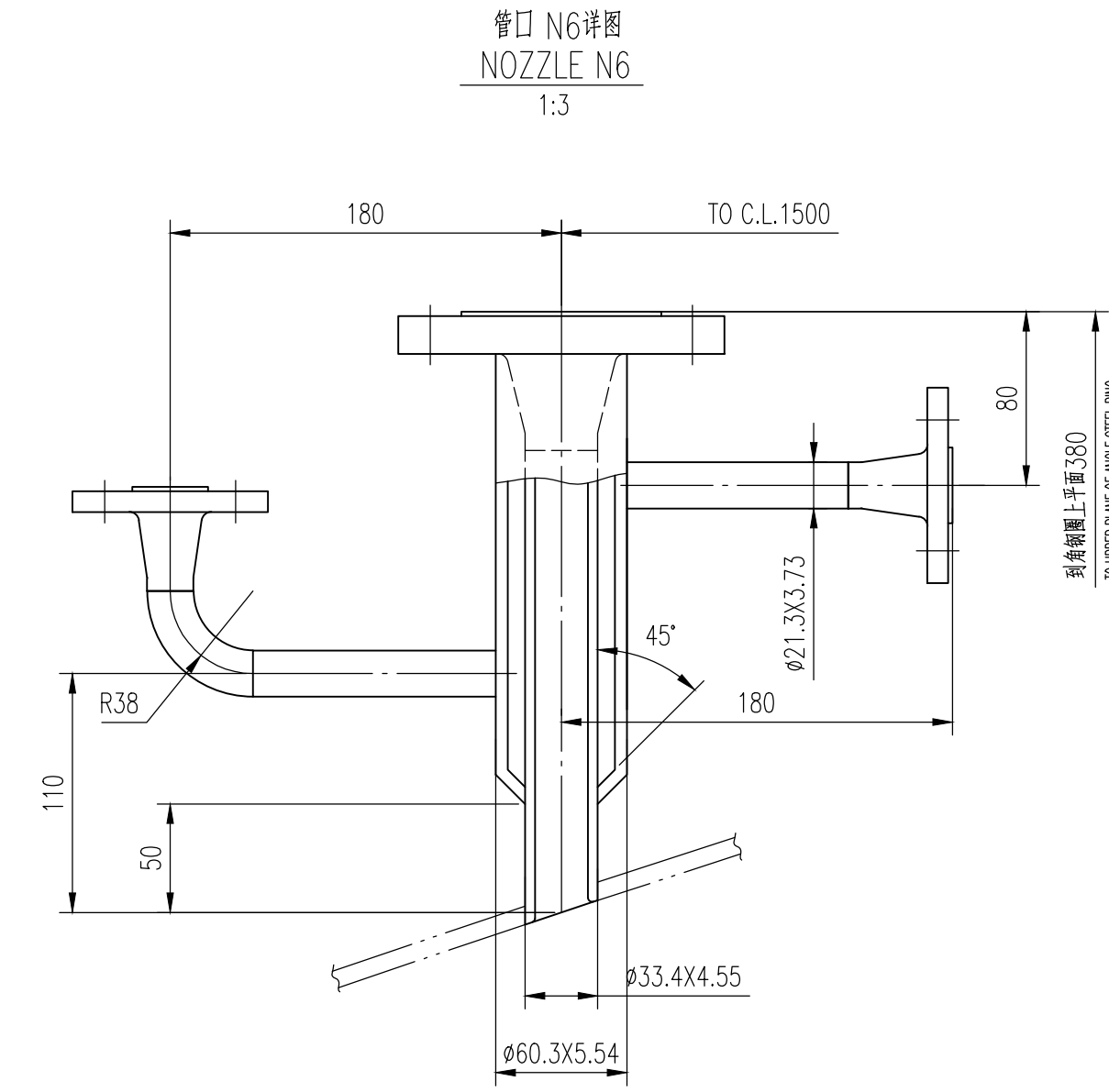
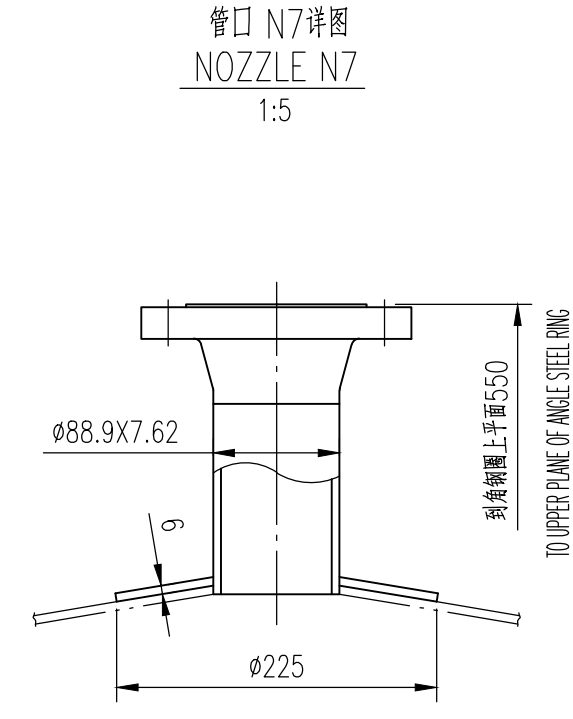
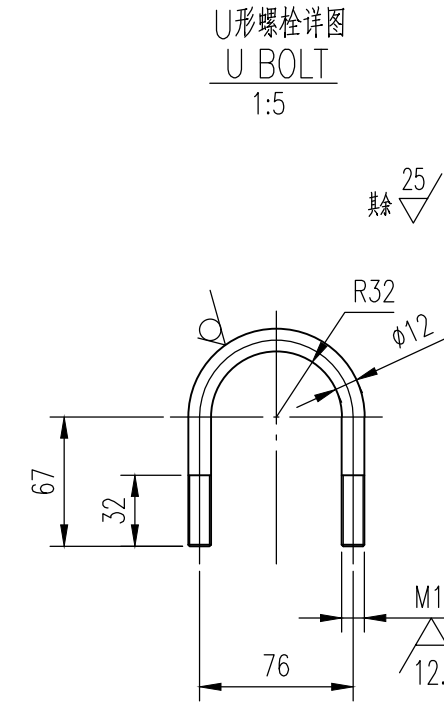
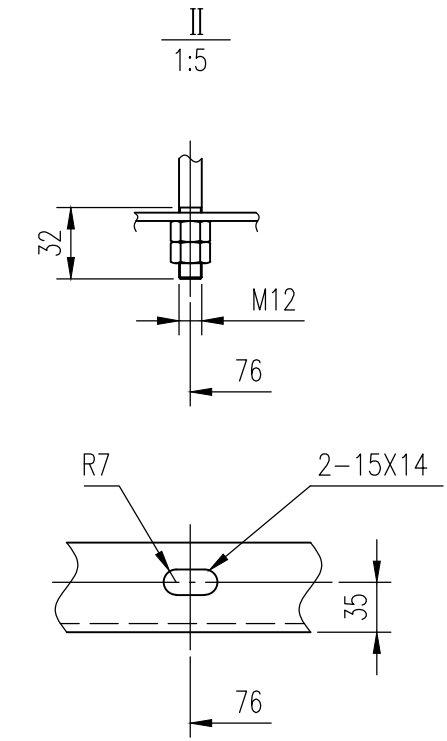
总重: 1405 kg

M2	HG/T 21518-2014	补强圈 Ø1070/ø540 δ6	1	S30408		31.6	
		人孔 RF Ⅲ(W.D-2222)A500-16	1	组合件		290	H1=360
M1	HG/T 21521-2014	补强圈 Ø1370/ø640 δ6	1	S30408		72.8	
		人孔 RF Ⅲ(W.D-2222)600-16	1	组合件		441	
F	ASME B16.5	法兰 2"-150# SO/RF	1	S30408Ⅱ		3.45	
		补强圈 Ø200/ø83 δ6	1	S30408		1.23	
T1,T2	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		1.9	
		补强圈 Ø200/ø83 δ6	1	S30408Ⅱ		4.54	
P1,P2	ASME B16.5	法兰 30Xδ6	2	S30408		0.2	0.4
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		1.36	2.72
N11	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	30CrMoA		---	---
		补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.0960	0.768
N9	HG/T 20631-2009	补强圈 Ø1170/ø620 δ6	2	2222		---	---
		补强圈 Ø1170/ø620 δ6	2	2222		---	---
N8	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		1.81	3.62
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		4.1	8.2
N7	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	30CrMoA		0.05	0.8
		补强圈 Ø1170/ø620 δ6	8	35CrMoA		0.1521	2.16
N6	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408		0.2	0.4
		补强圈 Ø200/ø83 δ6	2	S30408		0.26	0.52
N5	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		0.1	0.2
		补强圈 Ø200/ø83 δ6	4	S30408Ⅱ		0.91	3.64
N4	SH/T 3426-2014	补强圈 Ø1170/ø620 δ6	2	S30408Ⅱ		5.2	10.4
		补强圈 Ø1170/ø620 δ6	1	S30408		0.2	
N3	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		0.26	
		补强圈 Ø200/ø83 δ6	1	S30408		0.26	
N2	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		0.1	
		补强圈 Ø200/ø83 δ6	1	S30408		0.1	
N1	ASME B16.5	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		0.91	1.82
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		0.91	1.82
LT1/2	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.2644	2.24
		补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.2644	2.24
LG1/2	HG/T 20631-2009	补强圈 Ø1170/ø620 δ6	2	2222		---	---
		补强圈 Ø1170/ø620 δ6	2	2222		---	---
M2	HG/T 21518-2014	补强圈 Ø1070/ø540 δ6	1	S30408		31.6	
		人孔 RF Ⅲ(W.D-2222)A500-16	1	组合件		290	H1=360
M1	HG/T 21521-2014	补强圈 Ø1370/ø640 δ6	1	S30408		72.8	
		人孔 RF Ⅲ(W.D-2222)600-16	1	组合件		441	
F	ASME B16.5	法兰 2"-150# SO/RF	1	S30408Ⅱ		3.45	
		补强圈 Ø200/ø83 δ6	1	S30408		1.23	
T1,T2	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		1.9	
		补强圈 Ø200/ø83 δ6	1	S30408Ⅱ		4.54	
P1,P2	ASME B16.5	法兰 30Xδ6	2	S30408		0.2	0.4
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		1.36	2.72
N11	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	30CrMoA		---	---
		补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.0960	0.768
N9	HG/T 20631-2009	补强圈 Ø1170/ø620 δ6	2	2222		---	---
		补强圈 Ø1170/ø620 δ6	2	2222		---	---
N8	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		1.81	3.62
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		4.1	8.2
N7	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	30CrMoA		0.05	0.8
		补强圈 Ø1170/ø620 δ6	8	35CrMoA		0.1521	2.16
N6	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408		0.2	0.4
		补强圈 Ø200/ø83 δ6	2	S30408		0.26	0.52
N5	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		0.1	0.2
		补强圈 Ø200/ø83 δ6	4	S30408Ⅱ		0.91	3.64
N4	SH/T 3426-2014	补强圈 Ø1170/ø620 δ6	2	S30408Ⅱ		5.2	10.4
		补强圈 Ø1170/ø620 δ6	1	S30408		0.2	
N3	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		0.26	
		补强圈 Ø200/ø83 δ6	1	S30408		0.26	
N2	GB/T 14976-2012	法兰 2"-150# WN/RF Sch80S	1	S30408		0.1	
		补强圈 Ø200/ø83 δ6	1	S30408		0.1	
N1	ASME B16.5	法兰 2"-150# WN/RF Sch80S	2	S30408Ⅱ		0.91	1.82
		补强圈 Ø200/ø83 δ6	2	S30408Ⅱ		0.91	1.82
LT1/2	HG/T 20634-2009	补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.2644	2.24
		补强圈 Ø1170/ø620 δ6	16	35CrMoA		0.2644	2.24
LG1/2	HG/T 20631-2009	补强圈 Ø1170/ø620 δ6	2	2222		---	---
		补强圈 Ø1170/ø620 δ6	2	2222		---	---

N5	ASME B16.5	法兰 3"-150# BL/RF FLANGE	1	S30408II		4.1	
	HG/T 20634-2009	补强圈 M16 NUIT	8	30CrMoA	0.05	0.4	
	GB/T 20634-2009	补强圈 M16X95 FLANGE	4	35CrMoA	0.152	0.608	
	HG/T 20631-2009	垫片 80-150 4.5 GASKET	1	2222		--	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.2	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.26	
	GB/T 12459-2017	弯头 DN15-Sch80s 90E(L) ELBOW	1	S30408		0.1	
	ASME B16.5	法兰 1 1/2"-150# WN/RF Sch80s FLANGE	2	S30408II	0.91	1.82	
	GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		1.73	
	GB/T 14976-2012	接管 268.9X7.62 PIPE	1	S30408		2.6	
	SH/T 3426-2014	材料表: DN50DN80-PN20-WN-RF-Sch80s FLANGE	1	S30408II		5.2	
19	GB/T 6170-2015	螺母 M12 NUT	4	S30408	0.029	0.12	
18		U形螺栓 M12 U BOLT	1	S30408		0.15	
17		垫圈 200X200X6 PAD	1	S30408		2.0	
16		角钢 L75X75X6 ANGLE STEEL	1	S30408		2.77	
15		集液槽 6.8 LIQUID COLLECT	1	S30408		29.5	
14	GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		2.0	
13	GB/T 12459-2017	弯头 DN50-Sch80s 90E(L) ELBOW	1	S30408		0.77	
12	GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		9.6	
N4	GB/T 6170-2015	六角螺母 M16 NUT	4	S30408	0.05	0.4	
	GB/T 5782-2016	六角头螺栓 M16X65 BOLT	4	S30408	0.149	0.6	
	HG/T 20631-2009	垫片 D 50-150 4.5 GASKET	1	2222		--	
	ASME B16.5	法兰 3"-150# SO/RF FLANGE	2	S30408II	2.18	4.36	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.2	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.26	
	GB/T 12459-2017	弯头 DN15-Sch80s 90E(L) ELBOW	1	S30408		0.1	
	ASME B16.5	法兰 1 1/2"-150# WN/RF Sch80s FLANGE	2	S30408II	0.91	1.82	
	GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		2.9	
	GB/T 14976-2012	接管 268.9X7.62 PIPE	1	S30408		3.6	
1	SH/T 3426-2014	材料表: DN50DN80-PN20-WN-RF-Sch80s FLANGE	1	S30408II		5.2	
		鞍座 30X6 6 RIBBED SLAB	2	S30408	0.2	0.4	
ASME B16.5	法兰 3"-150# SO/RF FLANGE	1	S30408II		2.18		
GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.2		
GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.26		
GB/T 12459-2017	弯头 DN15-Sch80s 90E(L) ELBOW	1	S30408		0.1		
ASME B16.5	法兰 1 1/2"-150# WN/RF Sch80s FLANGE	2	S30408II	0.91	1.82		
GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		6.11		
GB/T 14976-2012	接管 268.9X7.62 PIPE	1	S30408		3.6		
SH/T 3426-2014	材料表: DN50DN80-PN20-WN-RF-Sch80s FLANGE	1	S30408II		5.2		
		补强圈 265/299 6.6 REINFORCING PAD	1	S30408		2.28	
GB/T 14976-2012	接管 226.7X3.91 PIPE	1	S30408		0.34		
GB/T 14976-2012	接管 226.7X3.91 PIPE	1	S30408		0.3		
N2	GB/T 12459-2017	弯头 DN20-Sch80s 90E(L) ELBOW	1	S30408		0.14	
	ASME B16.5	法兰 3/4"-150# WN/RF Sch80s FLANGE	2	S30408II	0.91	1.82	
	GB/T 14976-2012	接管 268.9X7.62 PIPE	1	S30408		3.6	
	GB/T 14976-2012	接管 261.68.3X10.97 PIPE	1	S30408		6.4	
	SH/T 3426-2014	材料表: DN50DN150-PN20-WN-RF-Sch80s FLANGE	1	S30408II		12.1	
		垫圈 6.6 GUSSET	4	S30408	0.5	2.0	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.2	
	GB/T 14976-2012	接管 21.3X3.73 PIPE	1	S30408		0.26	
	GB/T 12459-2017	弯头 DN15-Sch80s 90E(L) ELBOW	1	S30408		0.1	
	ASME B16.5	法兰 1 1/2"-150# WN/RF Sch80s FLANGE	2	S30408II	0.91	1.82	
GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		7.67		
GB/T 12459-2017	弯头 DN50-Sch80s 90E(L) ELBOW	1	S30408		0.77		
GB/T 14976-2012	接管 260.3X5.54 PIPE	1	S30408		1.8		
GB/T 14976-2012	接管 268.9X7.62 PIPE	1	S30408		3.6		
	SH/T 3426-2014	材料表: DN50DN80-PN60-WN-RF-Sch80s FLANGE	1	S30408II		8.2	
件 号	图号或标准号	名 称	数量	材 料	单UNIT	总TOTAL	备 注
No.	DWG. OR STAND. No.	DESCRIPTION	QTY.	MATERIAL	重量 WEIGHT(kg)	REMARKS	
D00	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑龄	王恩俊	赵银峰			2025.6.20
REV.	DESCRIPTION	DEGNO	CHEKO	APPRD	AUTHD	DATE	
	PT PETRO OXO NUSANTARA						
	WUHUAN ENGINEERING CO., LTD.		30,000 TPA NEOPENTYL GLYCOL PROJECT				
	WUHUAN ENGINEERING CO., LTD.		Neopentyl Glycol Plant				
	HPN STORAGE TANK		Detailed Engineering Design				
	DETAIL DRAWING OF NOZZLE (1/3)		22150-V4102-002				D00
	ITEM NO:V-4102						
SPECI	EQUIPMENT	AREA	—	SCALE	1:30	SHT.1	OF 3

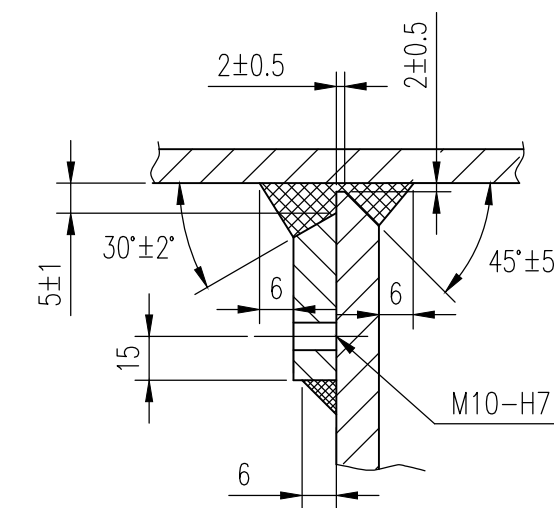
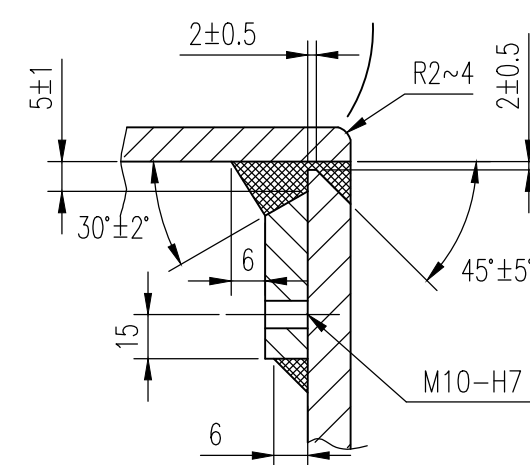
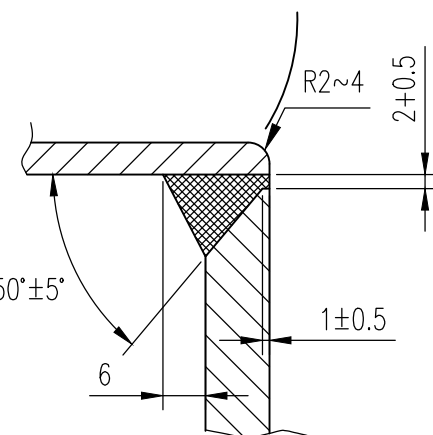
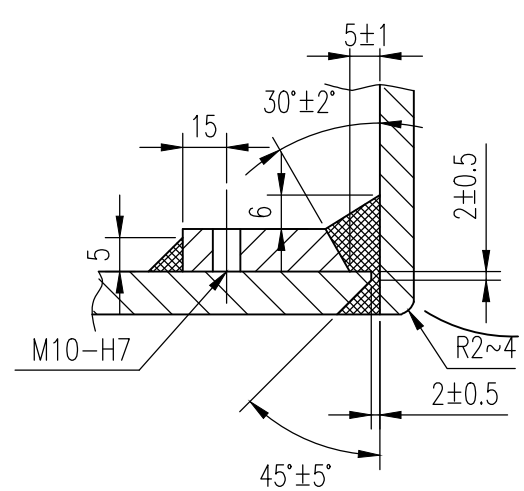
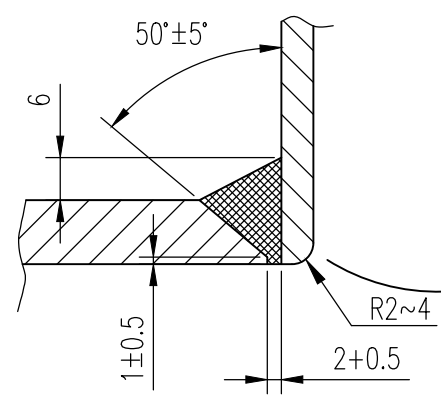
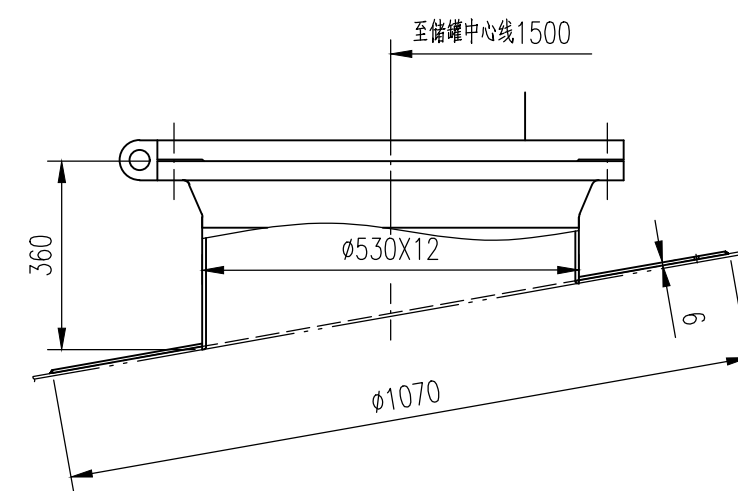
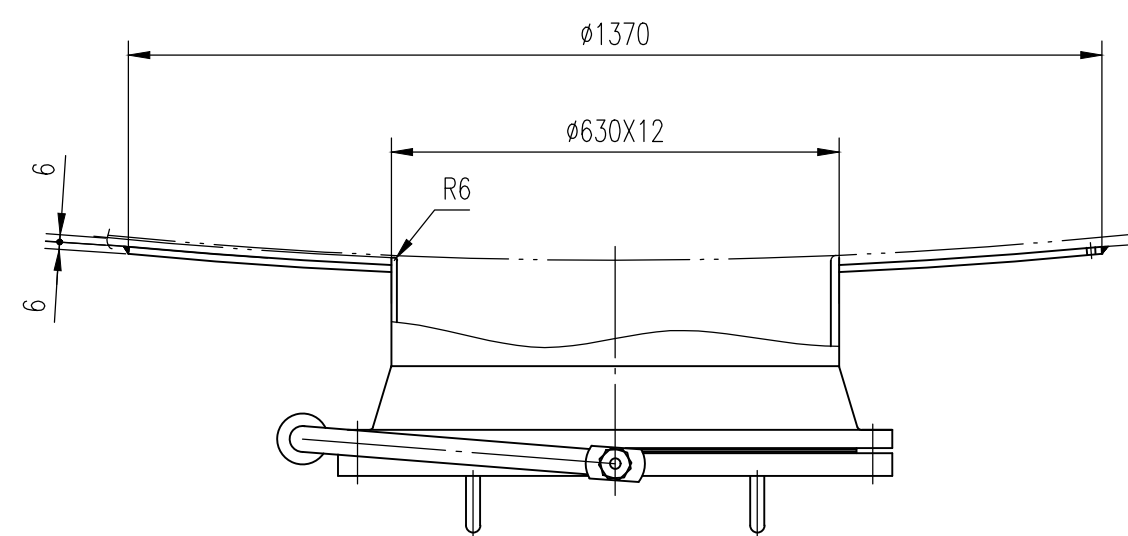
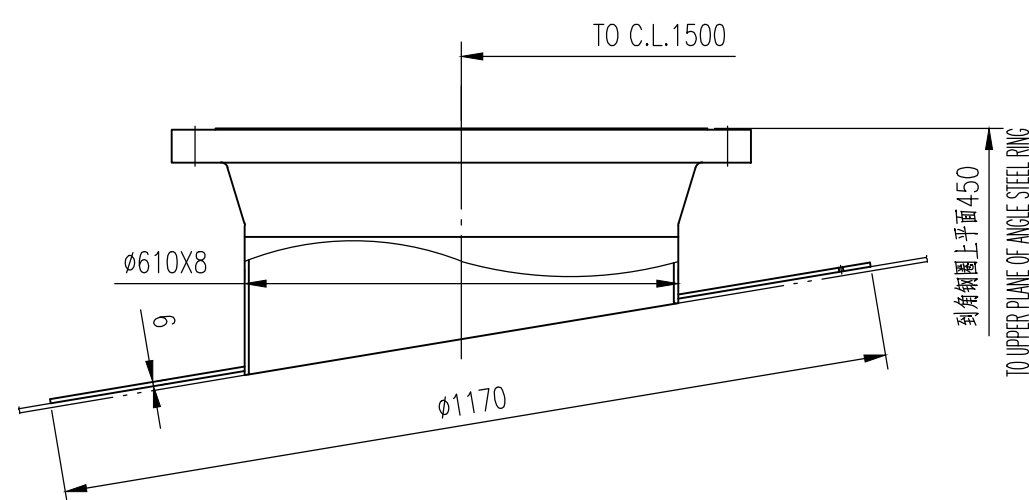
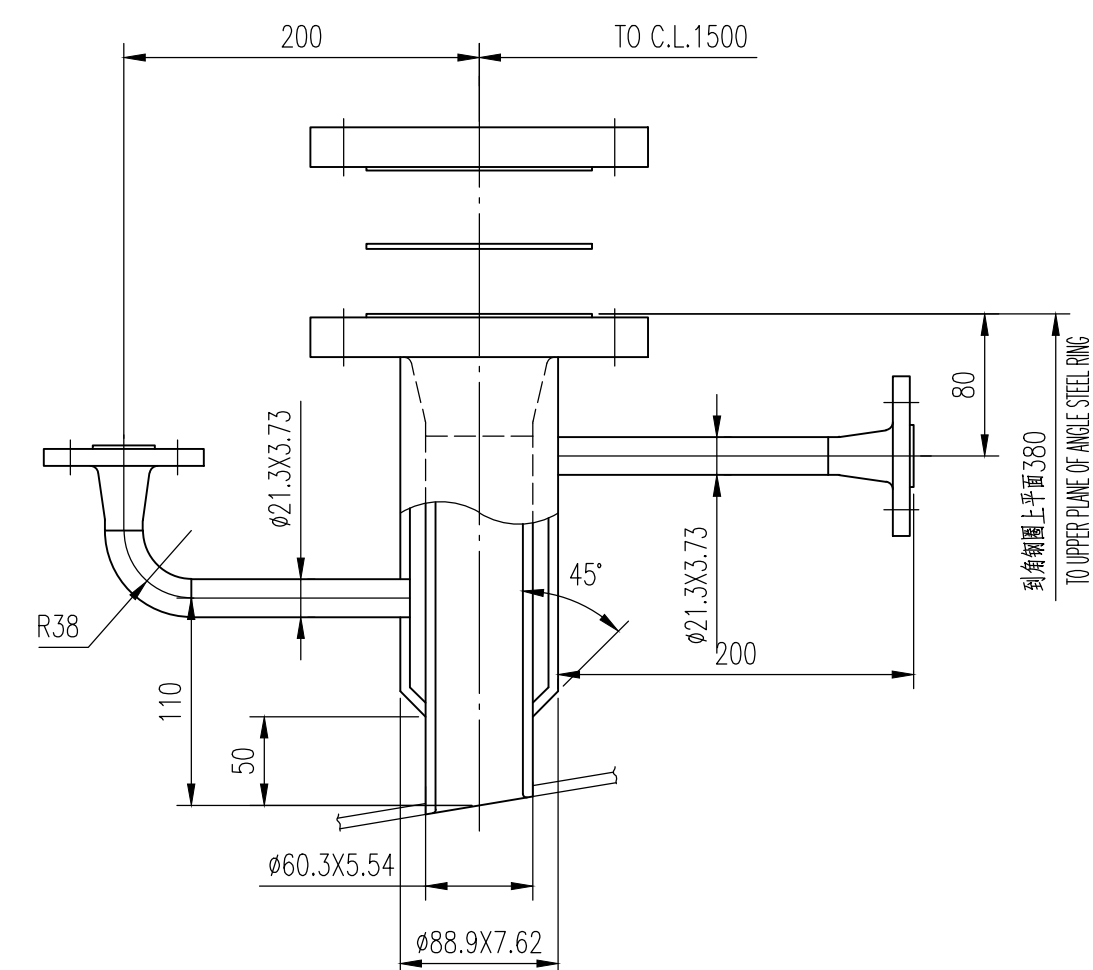
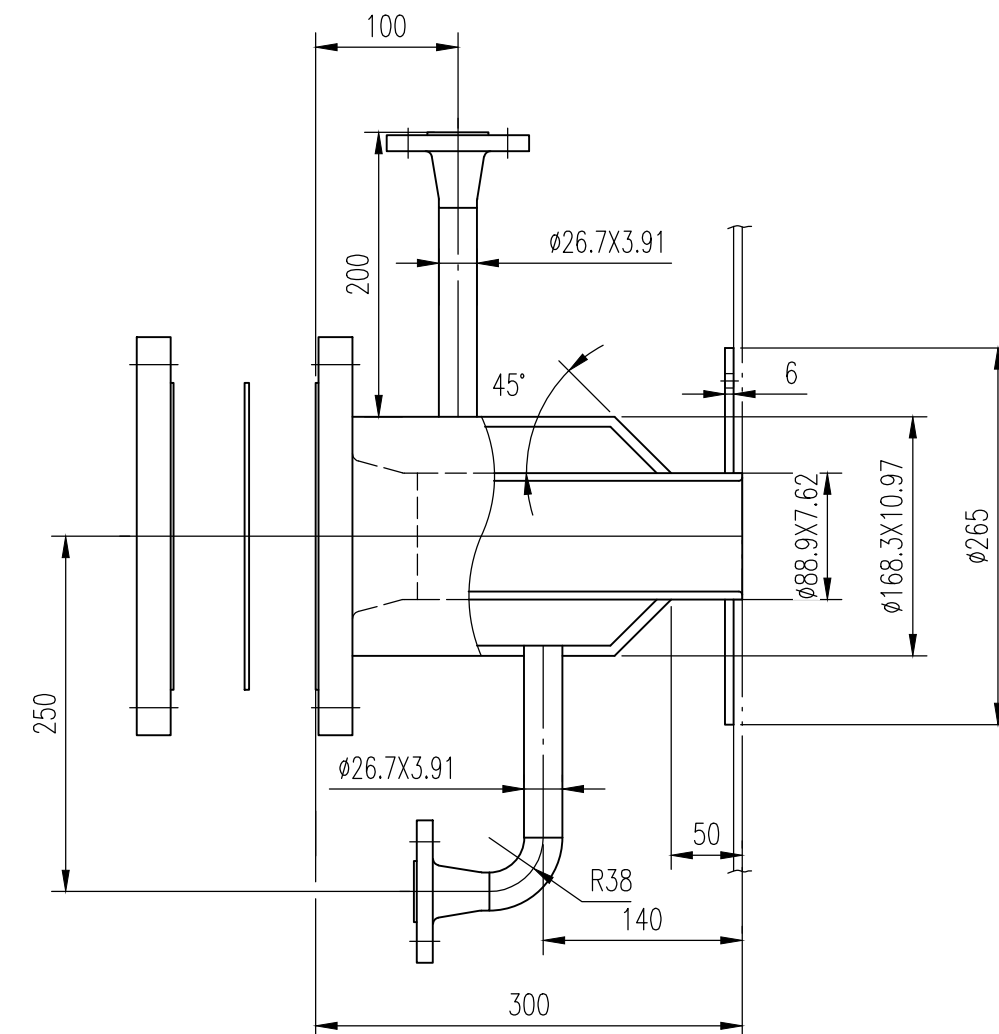
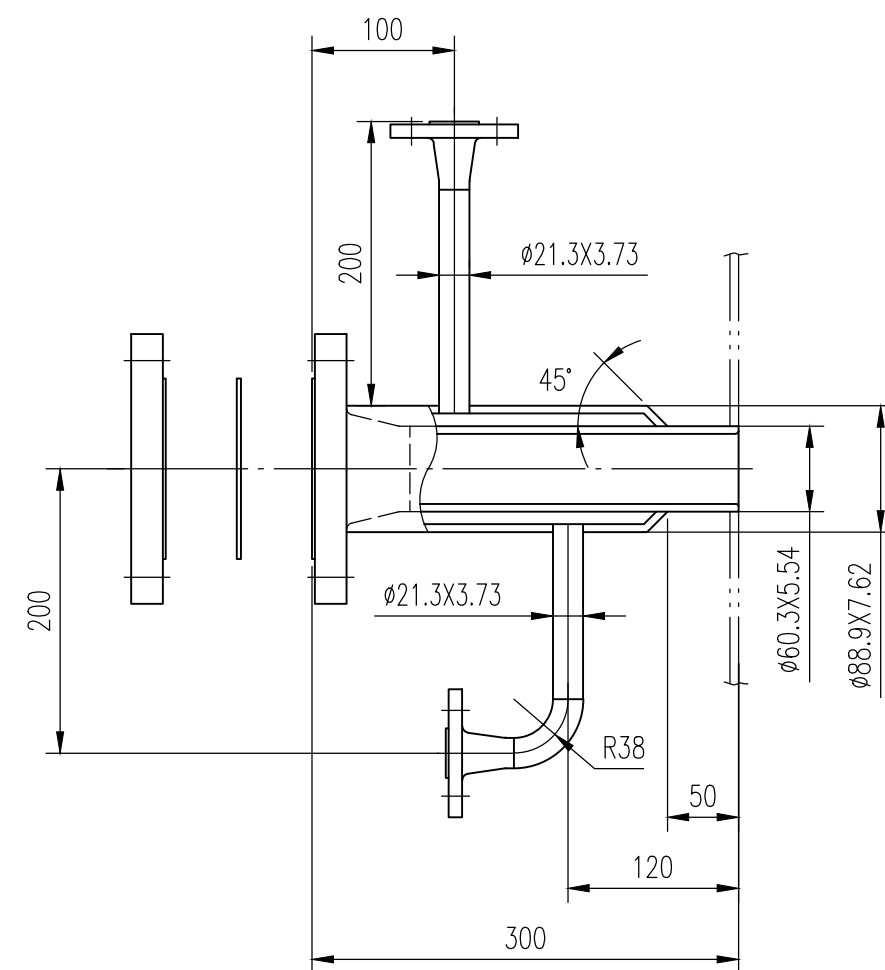
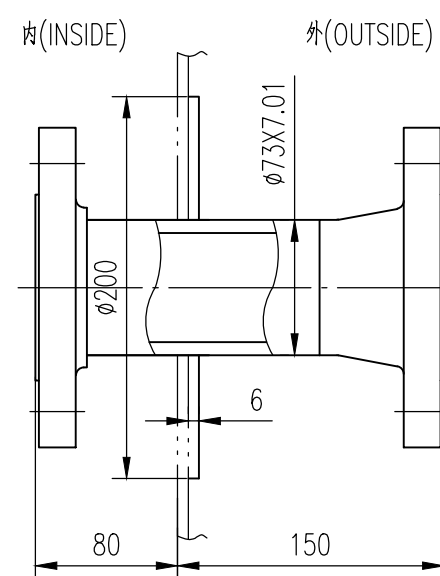


L: 此值根据支撑梁所在罐底板的位置现场确定, 保证接管中心与N4口法兰中心线重合。
L: THIS VALUE IS DETERMINED ON SITE ACCORDING TO THE POSITION OF THE TANK BOTTOM PLATE WHERE THE SUPPORTING BEAM IS LOCATED, SO AS TO ENSURE THAT THE CENTER OF THE NOZZLE COINCIDES WITH THE CENTER LINE OF THE N9 PORT FLANGE.



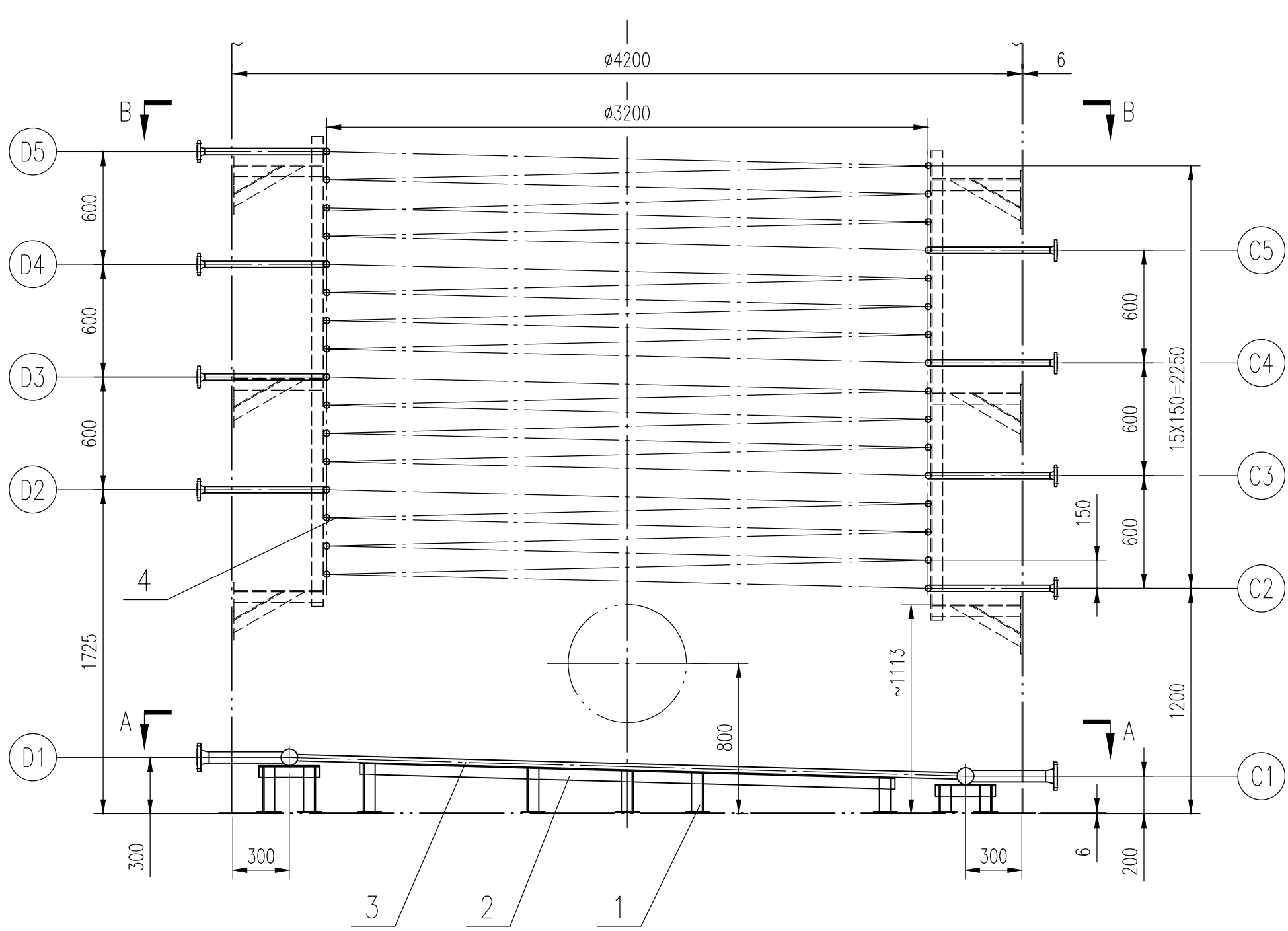
SPEC. SIGNATURE

DOO	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑玲	王思俊	赵银峰	2025. 6. 20
REV.	DESCRIPTION	DEGND	CHEKD	APPRD	AUTHD
PT PETRO OXO NUSANTARA					
WUHUAN ENGINEERING CO., LTD.		30,000 TPA NEOPENTYL GLYCOL PROJECT			
HPN STORAGE TANK		Neopentyl Glycol Plant			
DETAIL DRAWING OF NOZZLE (2/3)		Detailed Engineering Design			
ITEM NO: V-4102		22150-V4102-002			DOO
SPECI	EQUIPMENT	AREA	SCALE	1:30	SHT.2 OF 3

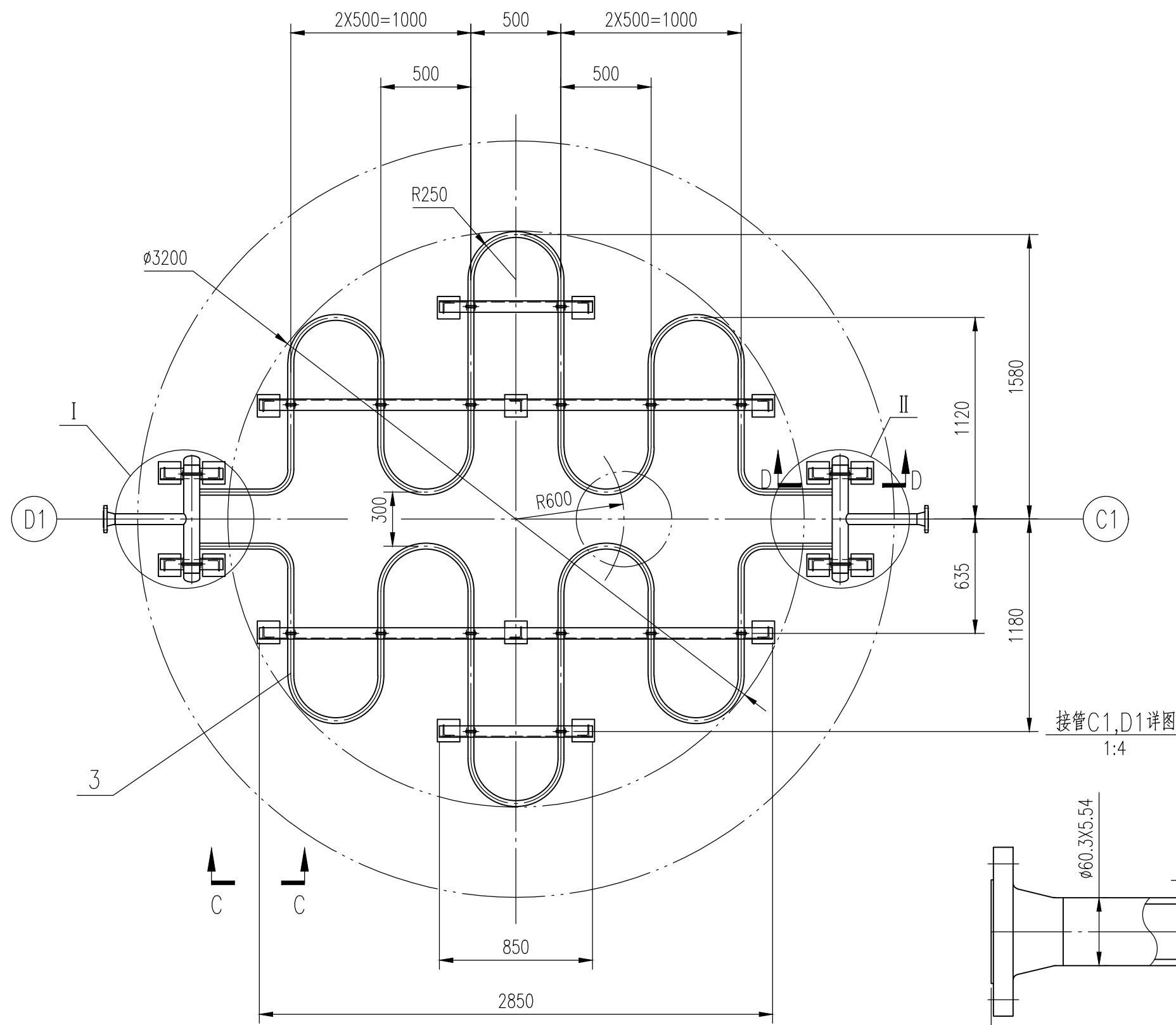


SPECI							
SIGNATURE							

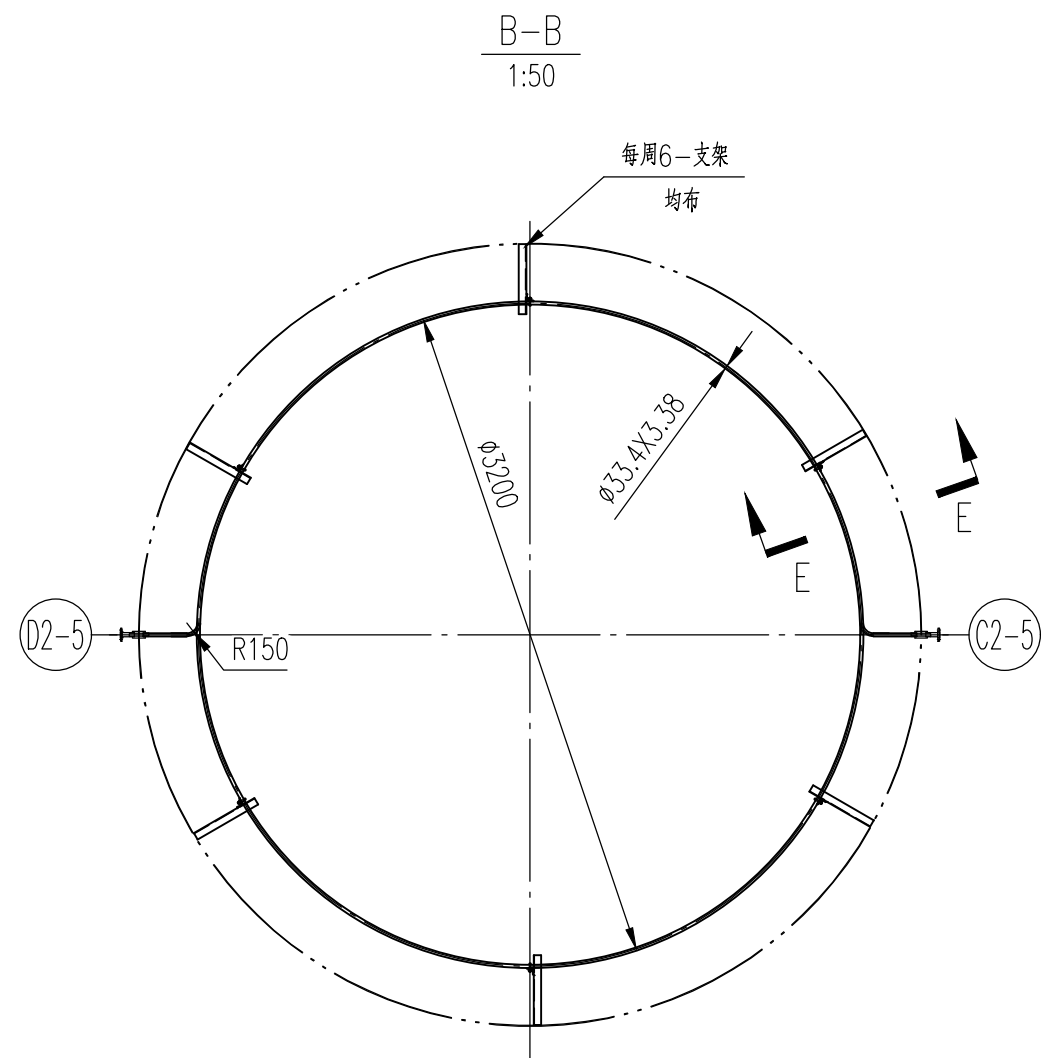
A1 594-0641



A-A
1:25

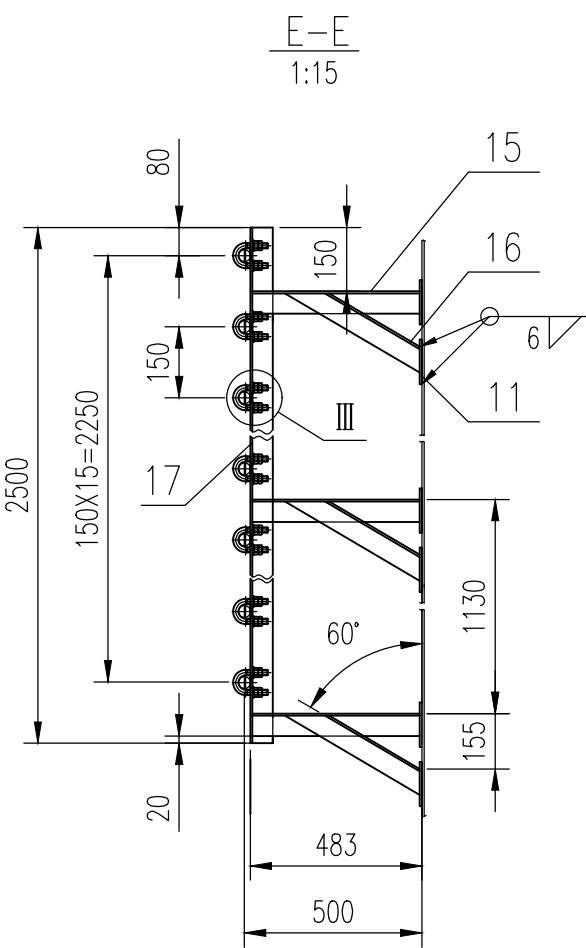


接管C1, D1详图
1:4

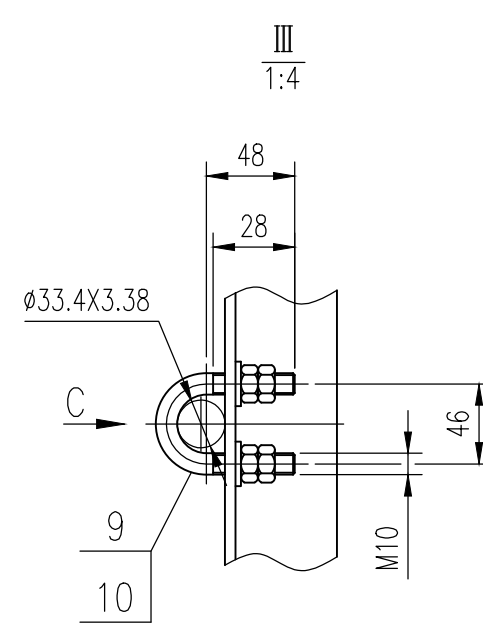


A向
1:4

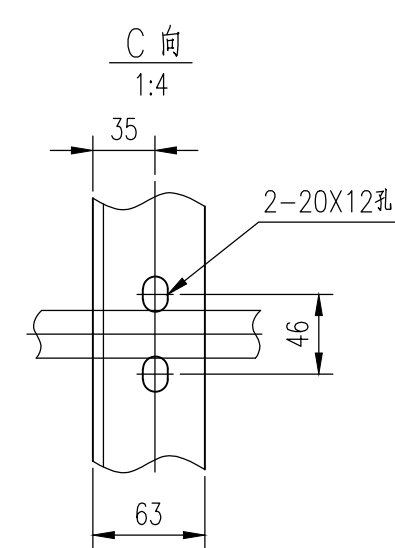
B向
1:4



E-E
1:15



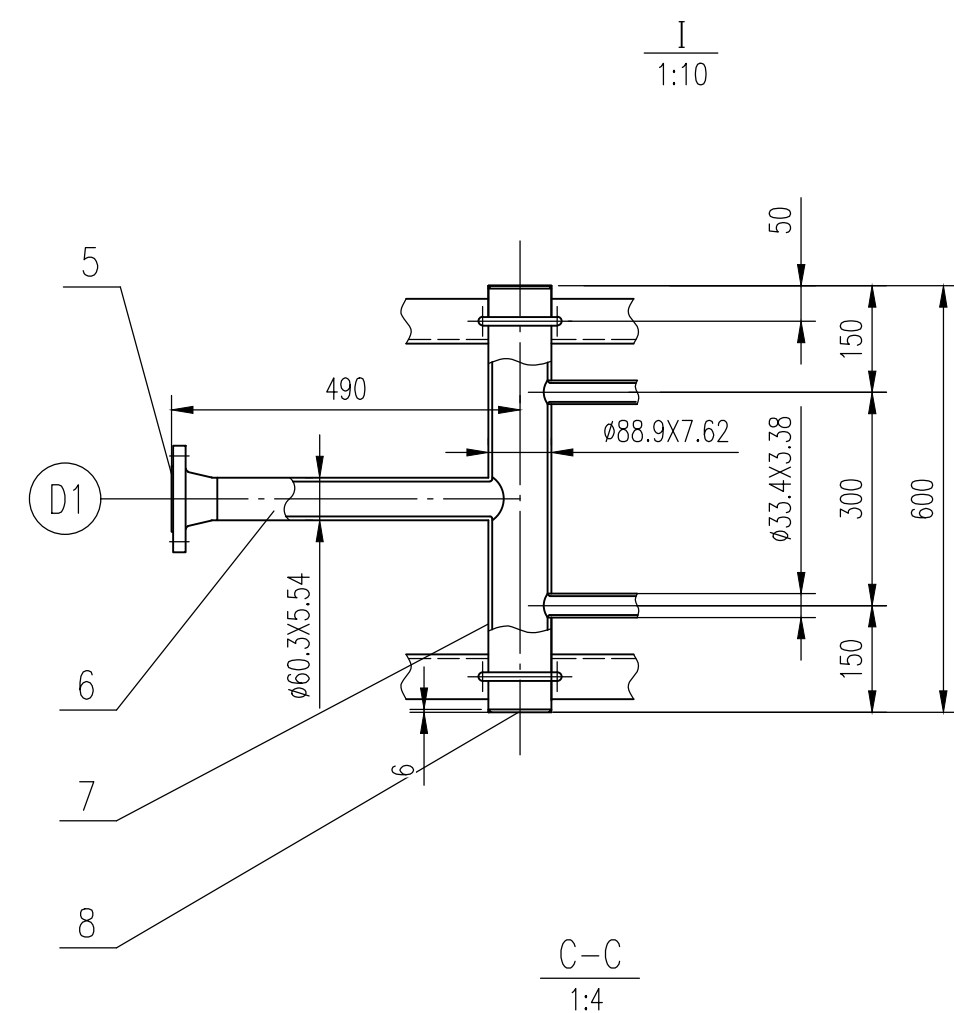
III
1:4



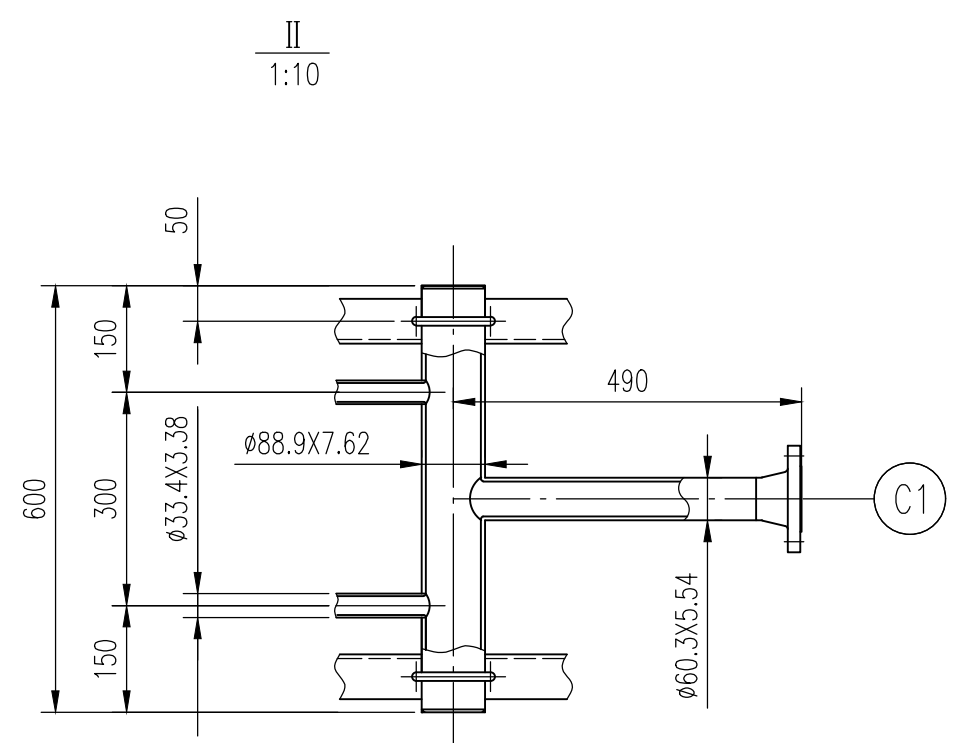
C向
1:4

技术要求 Technical Requirements

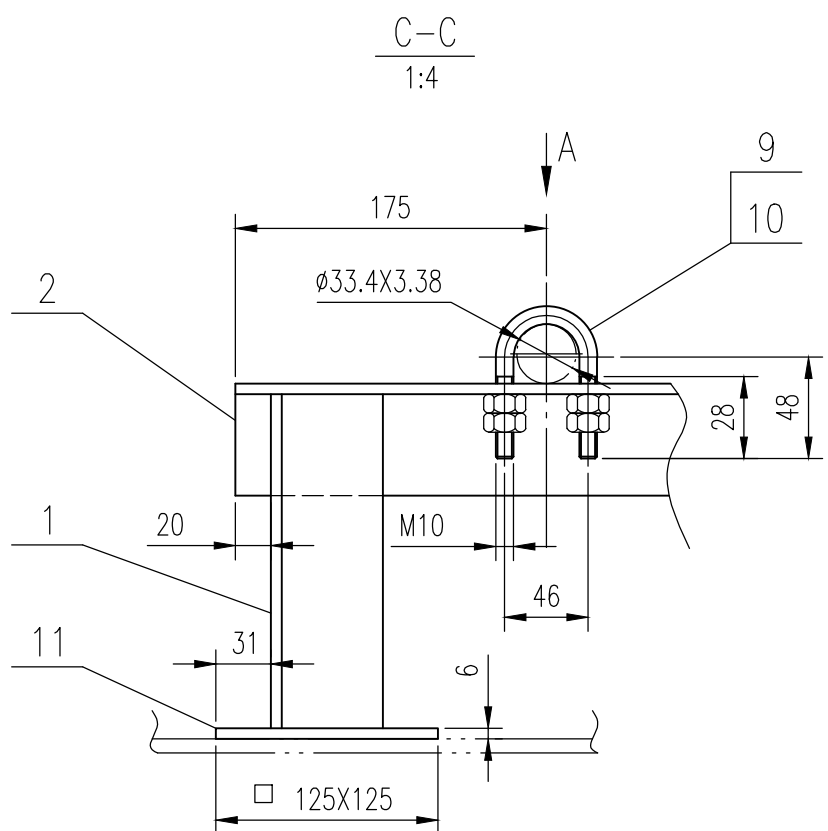
- 盘管的对接接头按照NB/T 47013.2-2015中的规定进行100%射线检测, II级合格。
The butt joints of the coil shall undergo 100% (RT) in accordance with NB/T 47013.2-2015, with Grade II acceptance criteria.
- 主水管与盘管支管的焊接按照NB/T 47013.5-2015中的规定进行100%渗透检测, I级合格。
The welds between the main water pipe and coil branch pipes shall undergo 100% (PT) in accordance with NB/T 47013.5-2015, with Grade I acceptance criteria.
- 盘管组焊后应进行液压试验, 盘管试验压力为18kg/cm² (G), 不得有渗漏现象。
After assembly and welding, the coil shall undergo a hydrostatic test at a pressure of 18 kg/cm² (G), with no leakage permitted.
- 底部盘管未注明时弯曲半径为R250mm。
The bending radius for unspecified bottom coils shall be R250mm.
- 盘管支架如碰罐底连续焊接接头可适当移动支架位置。
If coil supports encounter continuous welded joints on the tank bottom, the support positions may be adjusted appropriately.
- 其余要求见总图, 管口方位按管口方位图(图纸另发)。
Other requirements shall comply with the general arrangement drawing. The nozzle orientations shall follow the nozzle orientation drawing (to be provided separately).



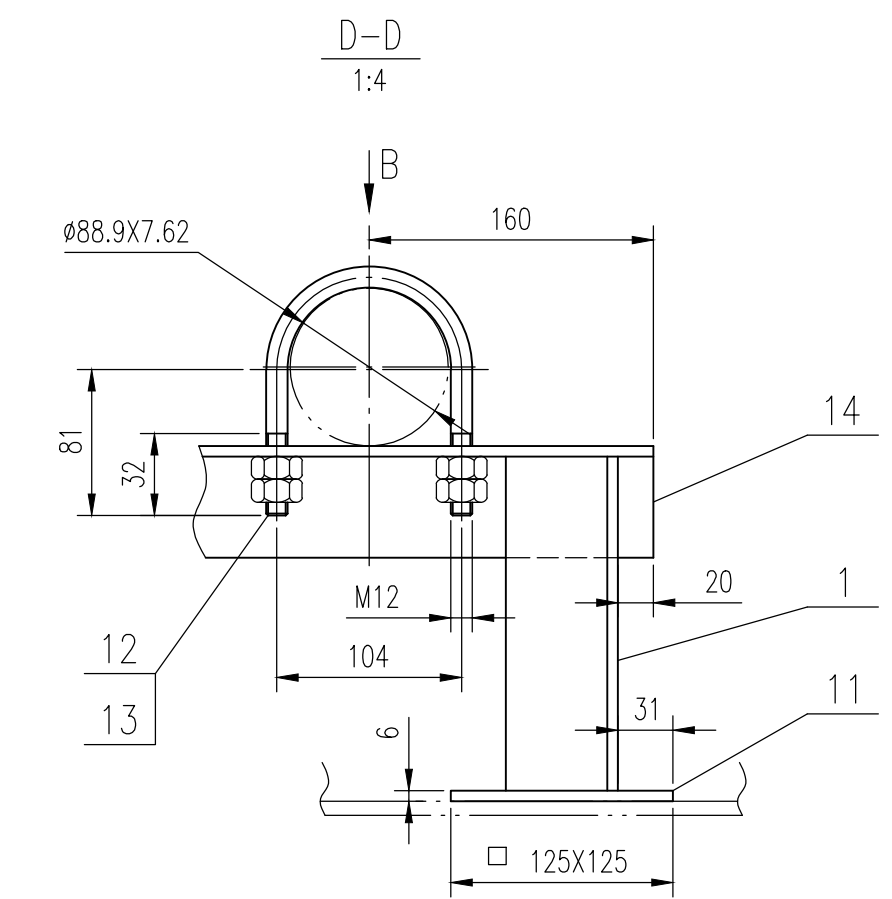
I
1:10



II
1:10



C-C
1:4

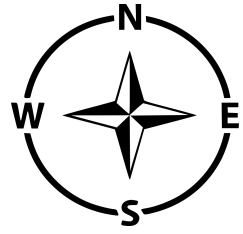


D-D
1:4

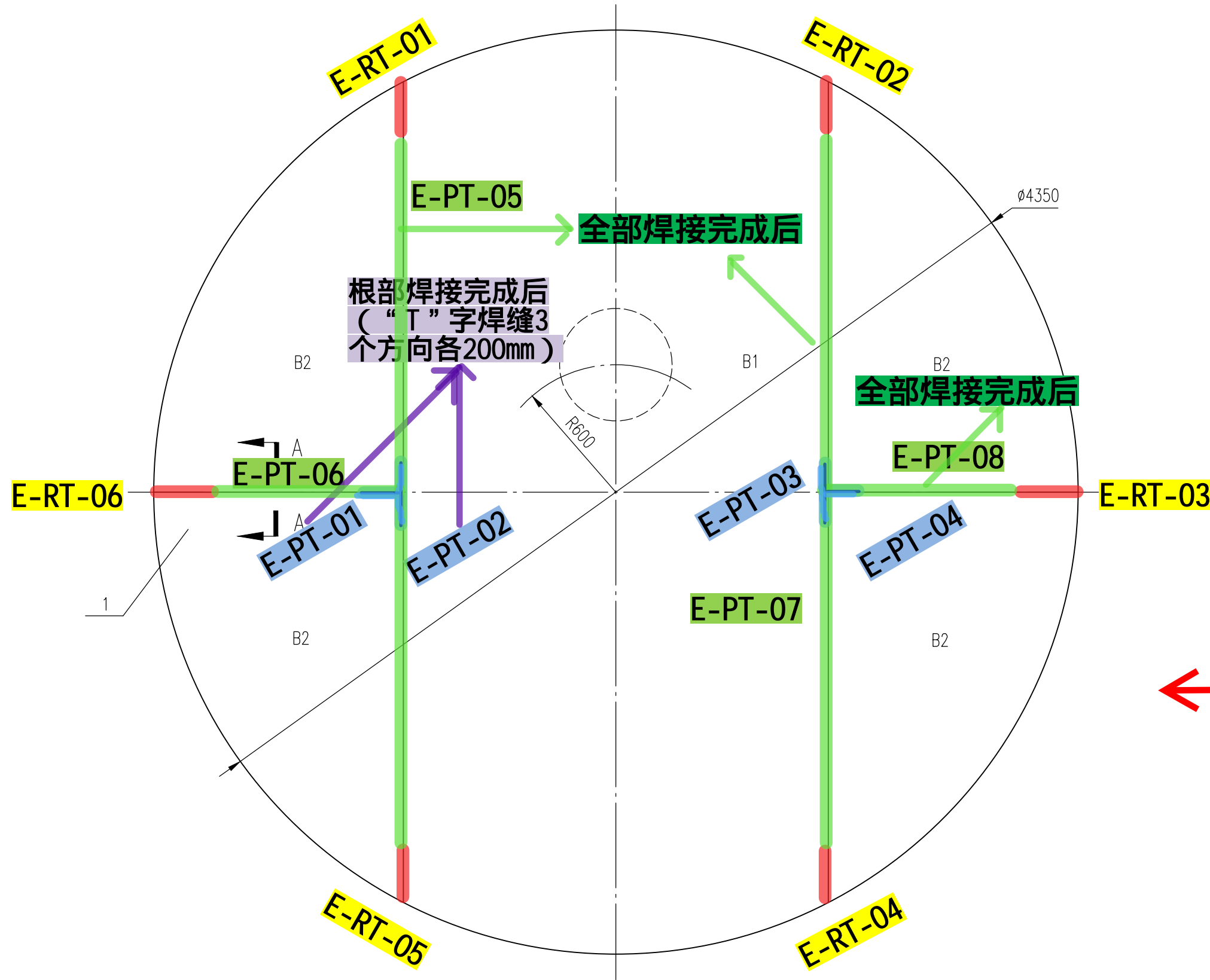
总重: 910kg

件号 No.	图号或标准号 DWG. OR STAND. No.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单位 UNIT	总重 TOTAL WEIGHT(kg)	备注 REMARKS
20		盘板 30X86	16	S30408	0.5	8	
19		接管 33.4X4.55	8	S30408	0.28	2.24	
18	ASME B16.5	法兰 2"-150# WN/RF Sch80s	8	S30408II	1.14	9.12	
17		角钢 L63X63X6	6	S30408	22.6	135.6	L=2500
16		角钢 L63X63X6	18	S30408	2.6	46.8	
15		角钢 L63X63X6	18	S30408	2.7	48.6	L=471
14		角钢 L63X63X6	4	S30408	1.83	7.32	L=320
13	GB/T 6170-2015	螺母 M12	16	S30408	0.012	0.192	
12		U形螺栓 M12	4	S30408	0.29	1.16	
11		盘板 125X125X6	54	S30408	0.74	39.96	
10	GB/T 6170-2015	螺母 M10	400	S30408	0.008	3.2	
9		U形螺栓 M10	100	S30408	0.9	90	
8		盘板 472, 86	4	S30408	0.22	0.88	
7		接管 88.9X7.62	2	S30408	6.85	13.7	L=600
6		接管 60.3X5.54	2	S30408	3.1	6.2	L=400
5	ASME B16.5	法兰 2"-150# WN/RF Sch80s	2	S30408II	2.72	5.44	
4		盘管 33.4X3.38	4	S30408	92	368	L=36200
3		盘管 33.4X3.38	2	S30408	23	46	L=9100
2		角钢 L63X63X6	1	S30408	42.3	7400	L=7400
1		角钢 L63X63X6	18	S30408	1.5	27	长度视罐确定

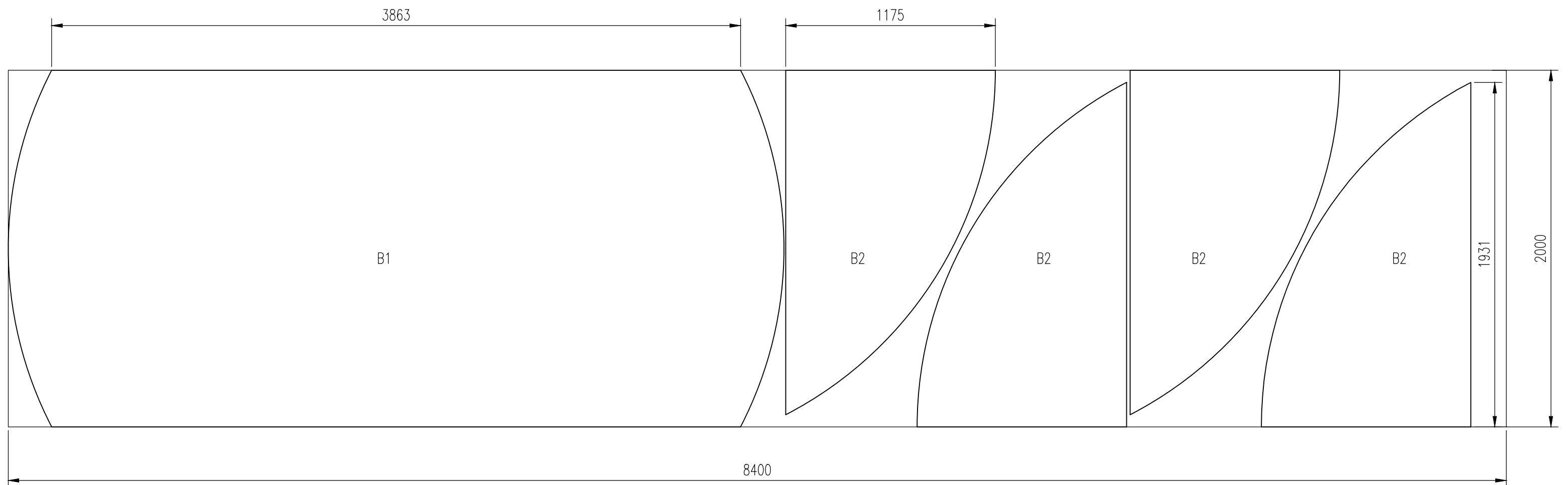
REV.	DESCRIPTION	DEGND	CHEKD	APPRD	AUTHD	DATE
D00	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑松	王思俊	赵银峰		2025. 6. 20
PT PETRO OXO NUSANTARA						
WUHUAN ENGINEERING CO., LTD.						
HPN STORAGE TANK						
COIL						
ITEM NO: V-4102						
30,000 TPA NEOPENTYL GLYCOL PROJECT						
Neopentyl Glycol Plant						
Detailed Engineering Design						
22150-V4102-003						D00
SPECI	EQUIPMENT	AREA	—	SCALE	1:25	SHT.1 OF 1



底板详图
FLOOR DETAIL DRAWING
1:20



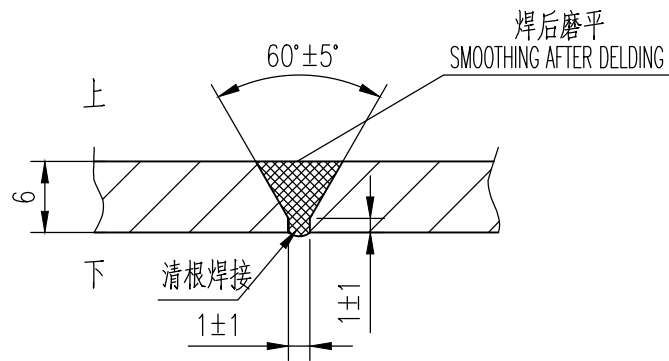
底板排版图
FLOOR TYPESETTING DIAGRAM
1:20



Ø6, 1根

A - B

罐底板对接接头
BUTT JOINT OF TANK BOTTOM PLATE
1:1



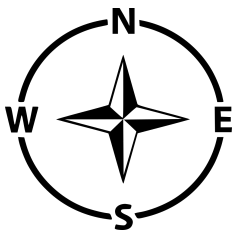
技术要求

Technical Requirements

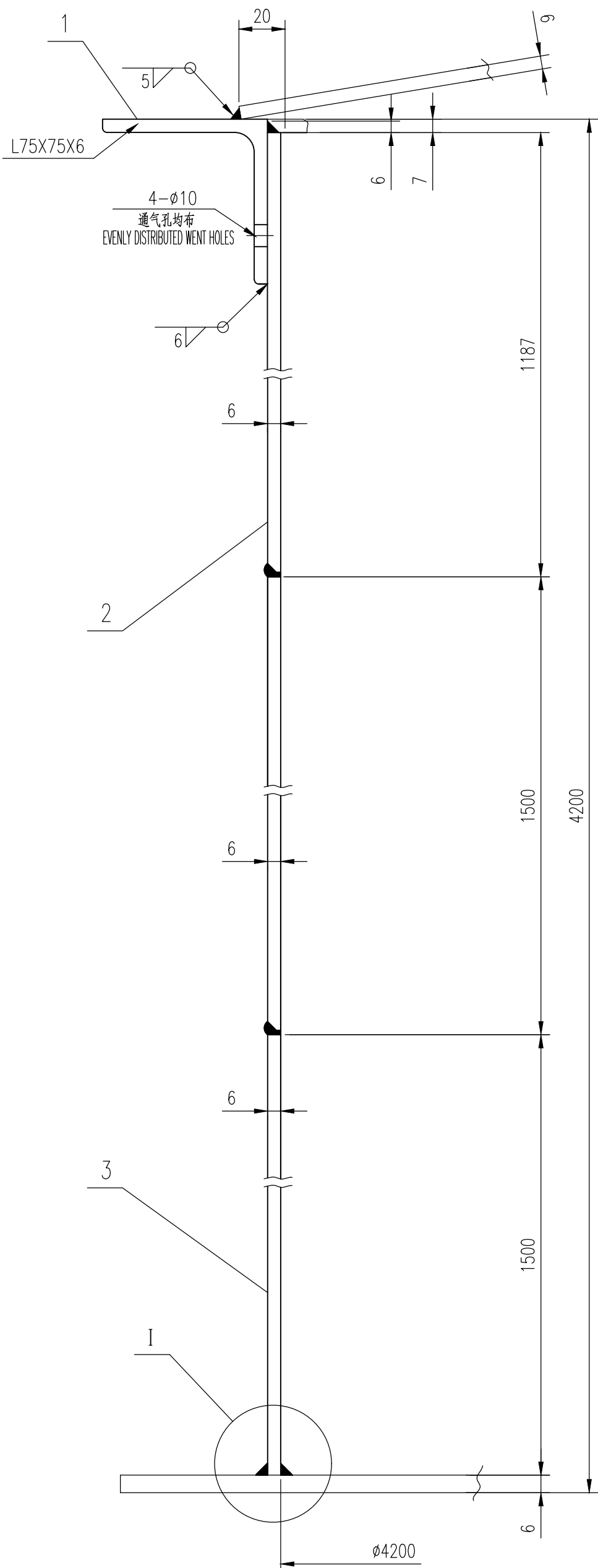
- 罐底应按GB50128-2014《立式圆筒形钢制焊接储罐施工规范》进行制造、检验和验收。
The tank bottom shall be manufactured, inspected, and accepted in accordance with GB50128-2014 "Code for Construction of Vertical Cylindrical Steel Welded Storage Tanks."
- 技术要求按装配图及相关标准规范的规定。
Technical requirements shall comply with the assembly drawing and relevant standards/specifications.
- 该图为排版示意图, 仅供施工单位参考。
This drawing shows the plate layout schematically and is for reference only by the construction unit.
- 该图尺寸仅作为理论计算值, 施工单位在下料时应考虑焊缝收缩与焊接收缩。
The dimensions in this drawing are theoretical values only. The construction unit shall consider weld gaps and welding shrinkage during material cutting.
- 罐底排水口开孔的位置按专业管口方位图, 罐底排版时应满足排水口开孔与周边焊缝距离不小于300mm。
The orientation of the bottom drain opening shall follow the piping nozzle orientation drawing. During bottom plate layout, the distance between the drain opening and adjacent welds shall not be less than 300mm.

总重: 708 kg

1	底板 A6 BASEBOARD		1	S30408	708		
件号 No.	图号或标准号 DWG. OR STAND. No.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单位 UNIT	总重 TOTAL WEIGHT(kg)	备注 REMARKS
DOO	详细工程设计/DETAILED ENGINEERING DESIGN			徐淑松	王思俊	赵银峰	2025.6.20
REV.	DESCRIPTION			DEGND	CHEKD	APPRD	AUTHD DATE
 PT PETRO OXO NUSANTARA							
 WUHUAN ENGINEERING CO., LTD. <small>MAY NOT BE COPIED, TRANSMITTED TO OTHERS OR USED WITHOUT PERMISSION OF WUHUAN ENGINEERING CO., LTD.</small>			30,000 TPA NEOPENTYL GLYCOL PROJECT				
HPN STORAGE TANK			Neopentyl Glycol Plant				
BASEBOARD DETAIL DRAWING			Detailed Engineering Design				
ITEM NO:V-4102			22150-V4102-004				DOO
SPECI	EQUIPMENT	AREA	—	SCALE	1:20	SHT.1	OF 1

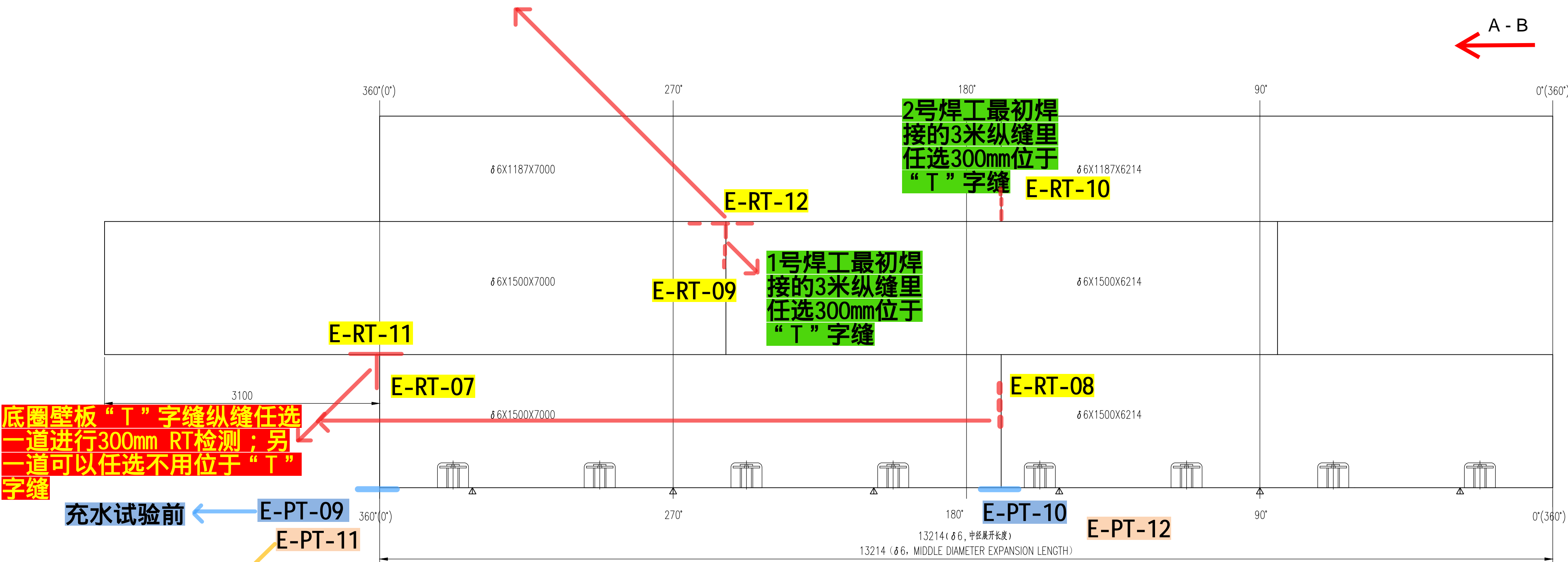


环缝详图
CIRCULAR SEAM DETAIL DRAWING
1:2



最初3米环缝选一道300mm, 剩
余所有环缝之中任选300mm
(无需区分焊工)

壳体展开图 (外侧)
SHELL DEVELOPMENT DRAWING (OUTSIDE)
1:30

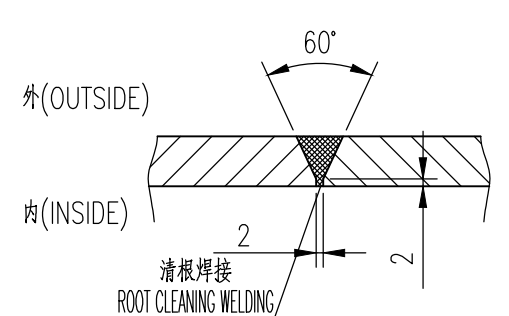


底圈壁板“T”字缝纵缝任选
一道进行300mm RT检测；另
一道可以任选不用位于“T”
字缝

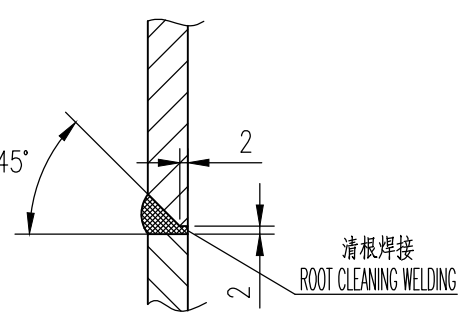
充水试验前

充水试验后

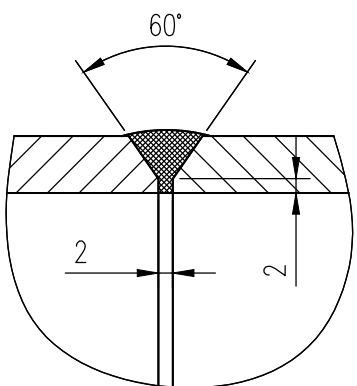
罐壁纵向焊接接头
LONGITUDINAL WELDED JOINT OF TANK WALL
1:1



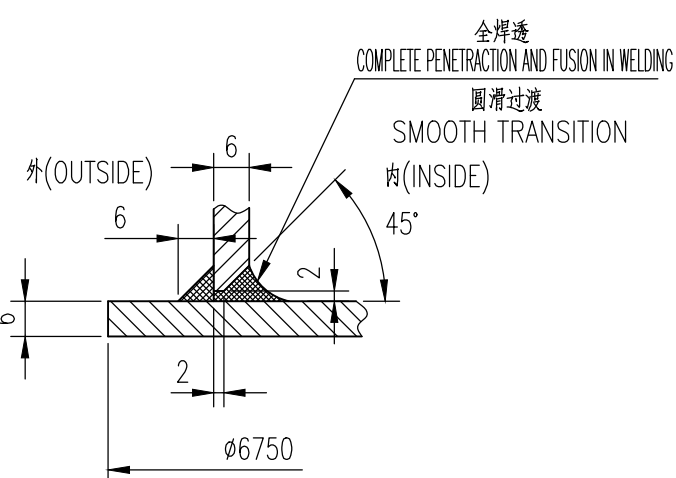
罐壁环向焊接接头
CIRCUMFERENTIAL WELDED JOINT OF TANK WALL
1:1



包边角钢对接接头
BUTT JOINT OF WRAPPED ANGLE STEEL
1:1



1
1:1



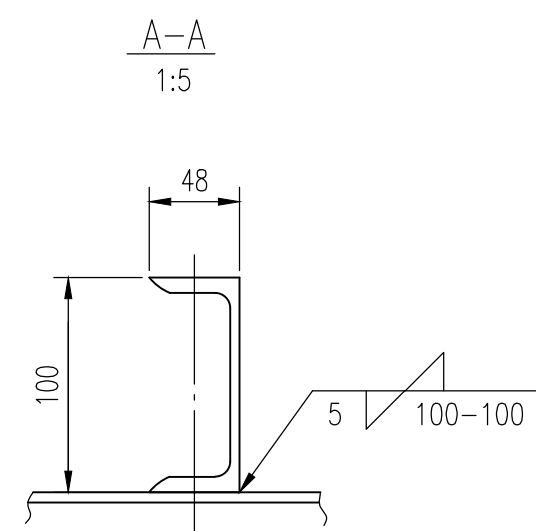
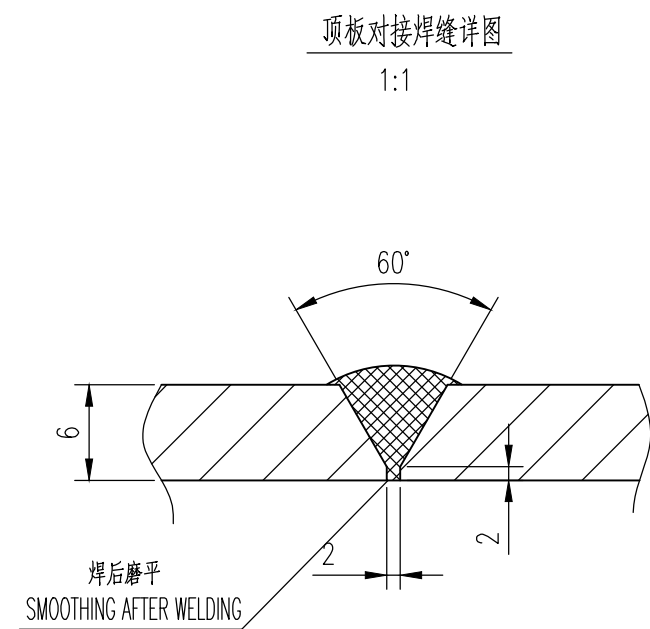
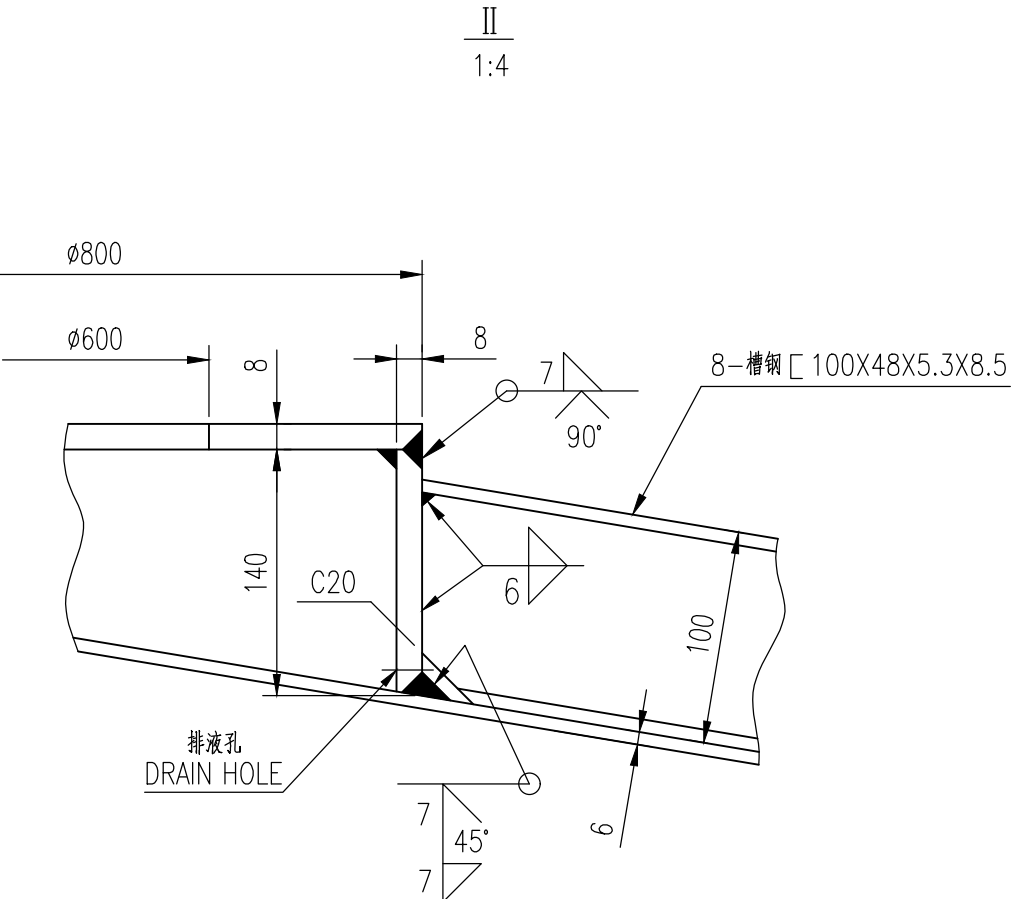
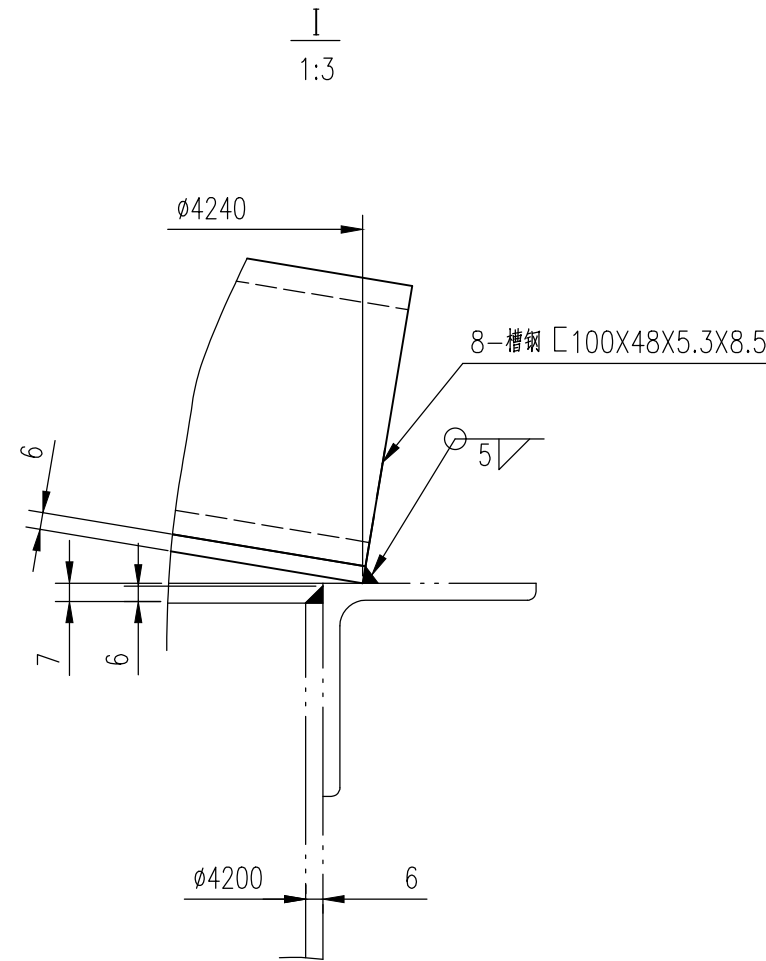
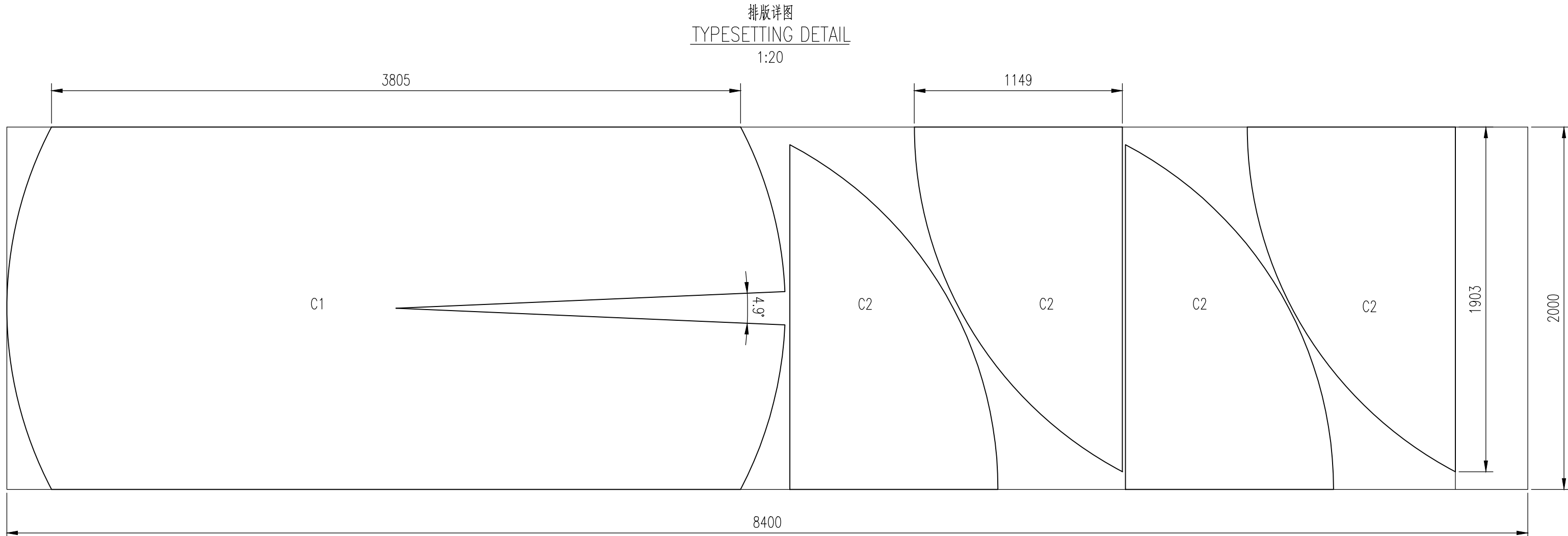
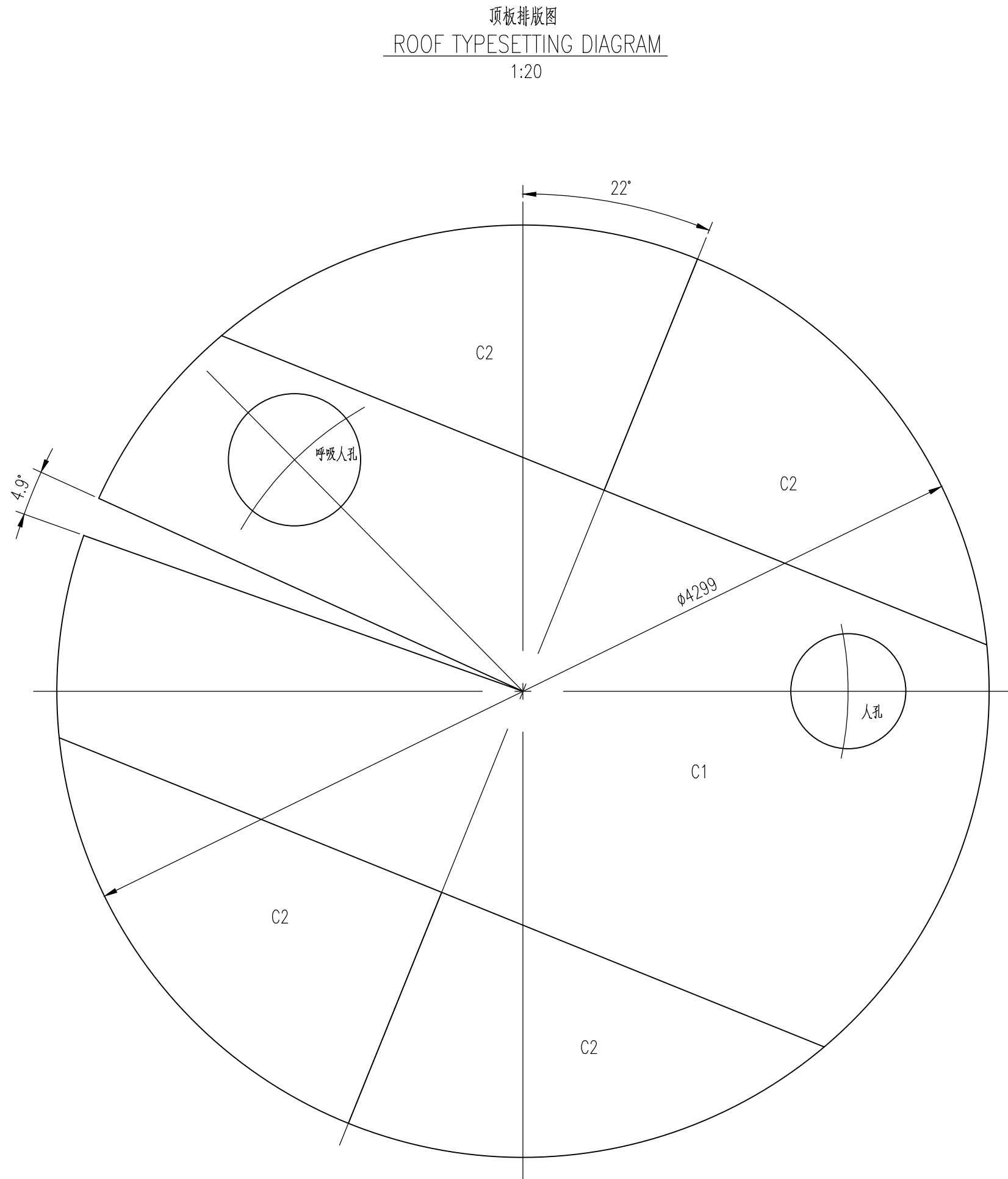
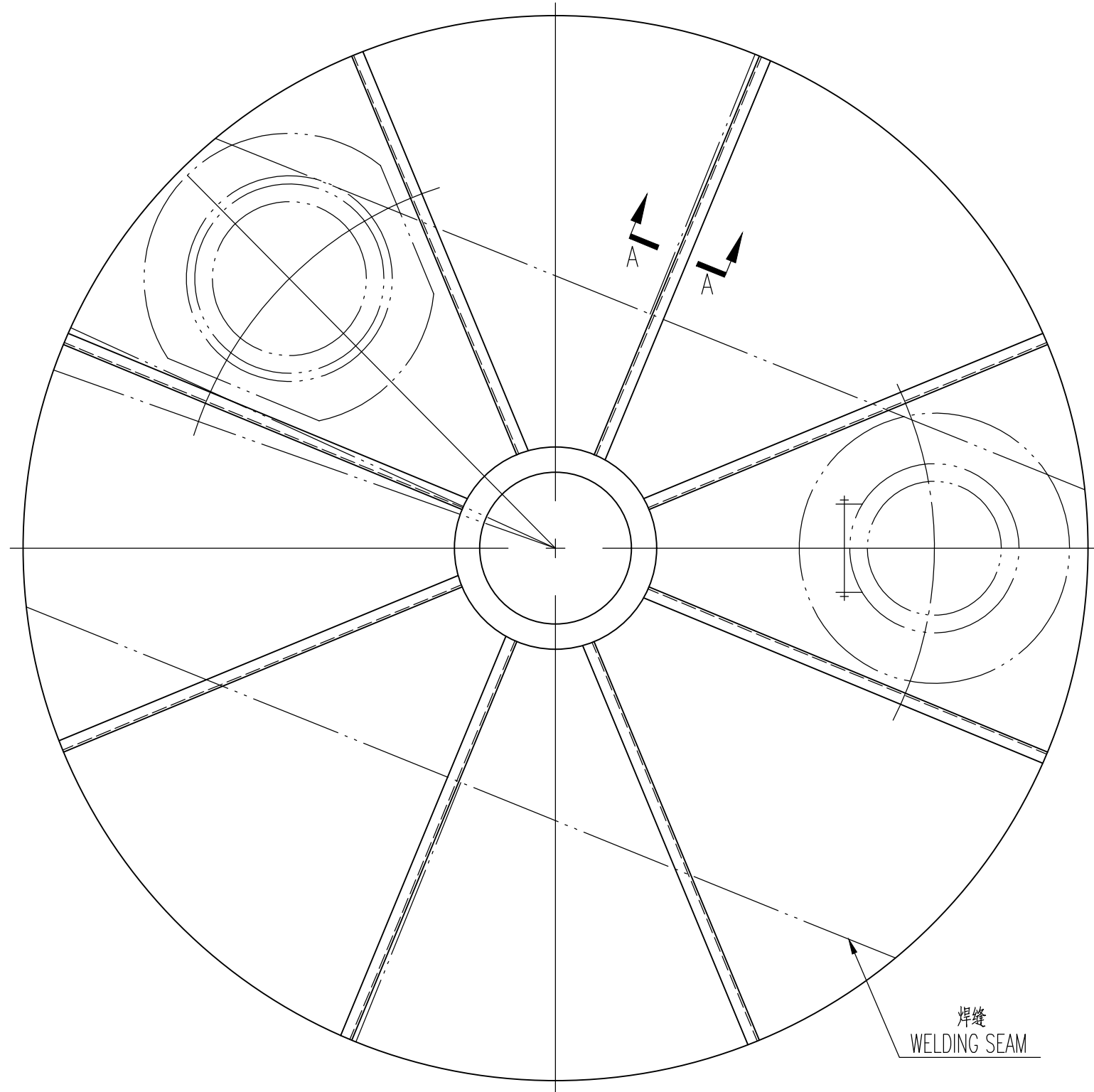
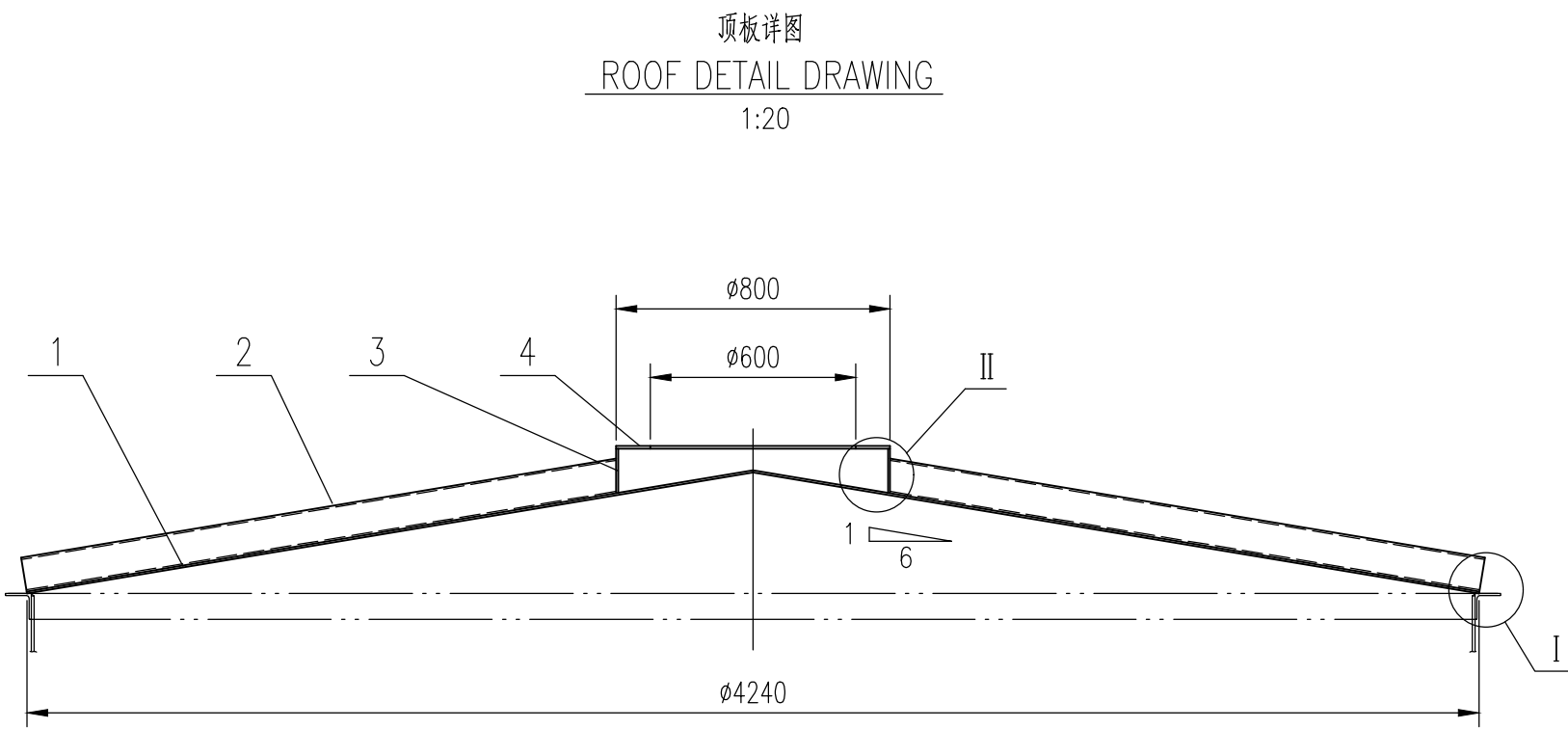
技术要求
Technical Requirements

- 罐壁应按GB50128-2014《立式圆筒形钢制焊接储罐施工及验收规范》进行制造、检验和验收。
The tank wall shall be manufactured, inspected, and accepted in accordance with GB50128-2014 "Code for Construction and Acceptance of Vertical Cylindrical Steel Welded Storage Tanks."
- 所有开孔、接管和补强板上的切割表面应光滑平整，并将锐角倒圆。
All cutting surfaces on openings, nozzles and reinforcing plates shall be smooth and flat, with edges rounded.
- 角钢加强圈拼焊焊缝应全焊缝，其拼焊缝应避开整板纵缝，且不得小于300mm。
The splice welds of angle steel reinforcing rings shall be fully penetrated, and shall avoid longitudinal seams of wall plates by at least 300mm.
- 钢板仅供参考，罐板排版时应使接口避开壳体的纵环焊缝。
The plate layout is for reference only. During wall plate layout, nozzles shall avoid both longitudinal and circumferential welds of the shell.
- 钢板尺寸为最终成形尺寸，未考虑焊接收缩等因素。
The plate assembly dimensions are final formed dimensions and do not account for factors like welding shrinkage.
- 其余要求按装配图。
Other requirements shall comply with the assembly drawing.

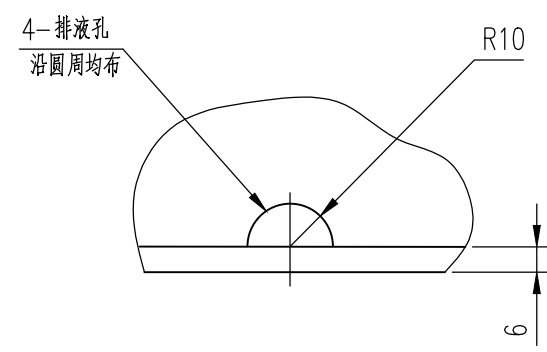
总重: 2728 kg

3	罐板 δ6	2	S30408	944	1888	H=1500
2	罐板 δ6	1	S30408	747	H=1187	
1	角钢 L75X75X6	1	S30408	93	L≈13420	
件号 No.	图号或标准号 DWG. OR STAND. No.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 UNIT WEIGHT(kg)	总重 TOTAL WEIGHT(kg)
DOO	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑松	王恩俊	赵银峰		2025.6.20
REV.	DESCRIPTION	DEGND	CHEKD	APPRD	AUTHD	DATE
PT PETRO OXO NUSANTARA						
WUHUAN ENGINEERING CO., LTD.						
HPN STORAGE TANK						
WALL DETAIL DRAWING						
ITEM NO:V-4102						
30,000 TPA NEOPENTYL GLYCOL PROJECT						
Neopentyl Glycol Plant						
Detailed Engineering Design						
22150-V4102-005						DOO
SPECI	EQUIPMENT	AREA	—	SCALE	1:30	SHT.1 OF 1

1
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B
C
D
E
F
G
H
I
J
SHEET NO.
SIGNATURE



排液孔详图
DETAIL DRAWING OF DRAINAGE HOLE
1:2

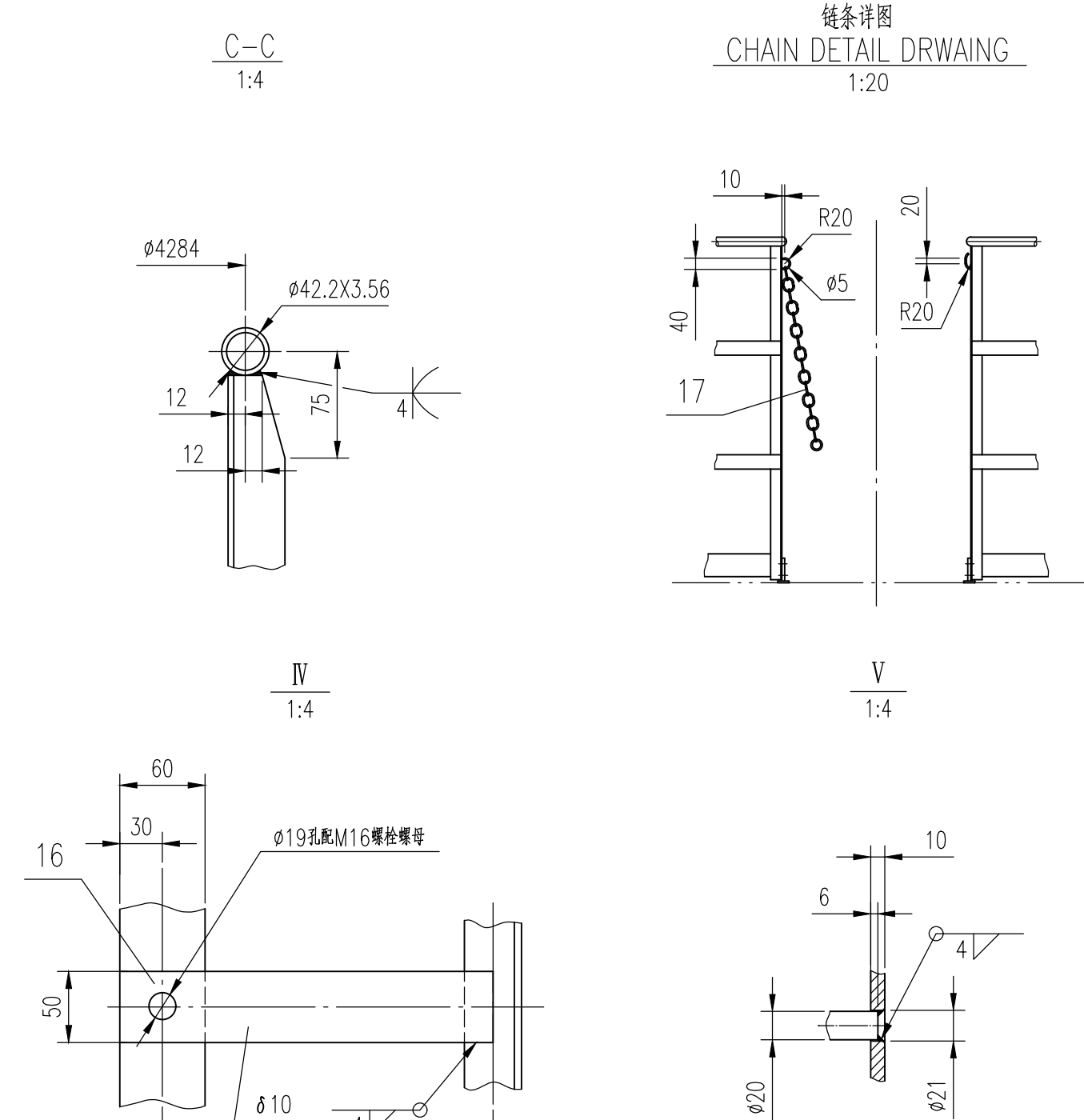


技术要求
Technical Requirements

1. 罐顶应符合GB50128-2014《立式圆筒形钢制焊接储罐施工及验收规范》进行制造、检验和验收。
The tank roof shall be manufactured, inspected, and accepted in accordance with GB50128-2014 "Code for Construction of Vertical Cylindrical Steel Welded Storage Tanks."

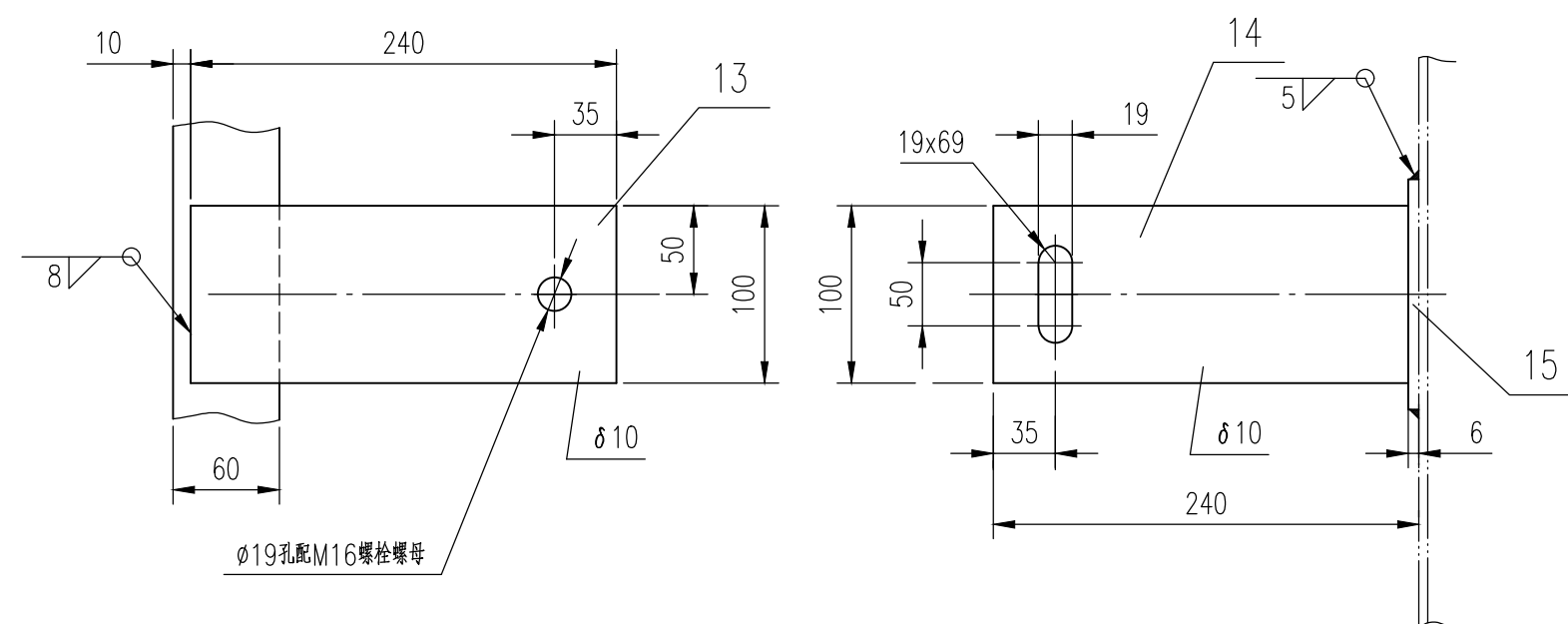
2. 排版仅供参考，排版尺寸为最终成形尺寸，未考虑焊接收缩等因素。
The plate layout is for reference only. The plate assembly dimensions are final formed dimensions and do not account for factors such as welding shrinkage.



总重: 860 kg									
4	环板 Ø800/Ø600 δ8	1	S30408		14.1				
3	筒节 Ø800X8	1	S30408		22.1	L=140			
2	槽钢 C 100X48X5.3X8.5	8	S30408		17.8	142.4	L=1770		
1	顶板 δ6	1	S30408		681				
件号 No.	图号或标准号 DWG. OR STAND. No.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 UNIT WEIGHT(kg)	总重 TOTAL WEIGHT(kg)	备注 REMARKS		
DOO	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑玲	王思俊	赵银峰			2025.6.20		
REV.	DESCRIPTION	DEGND	CHEKD	APPRD	AUTHD	DATE			
PT PETRO OXO NUSANTARA									
WUHUAN ENGINEERING CO., LTD.									
HPN STORAGE TANK									
ROOF DETAIL DRAWING									
ITEM NO:V-4102									
SPECI	EQUIPMENT	AREA	—	SCALE	1:20	SHT.1	OF 1		

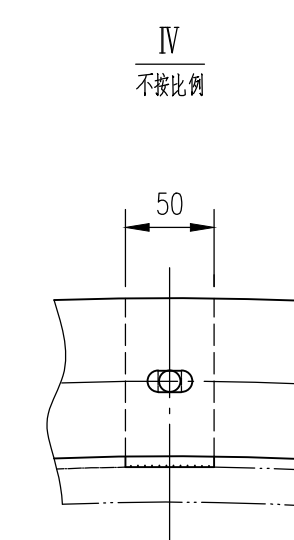
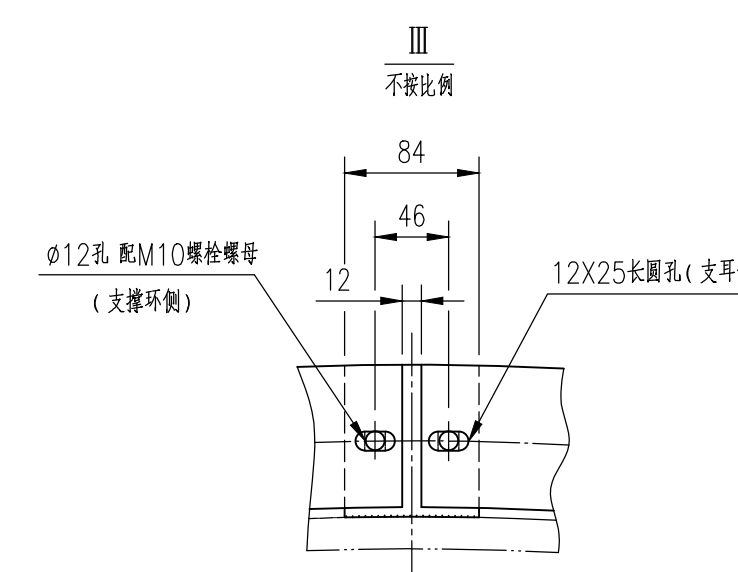
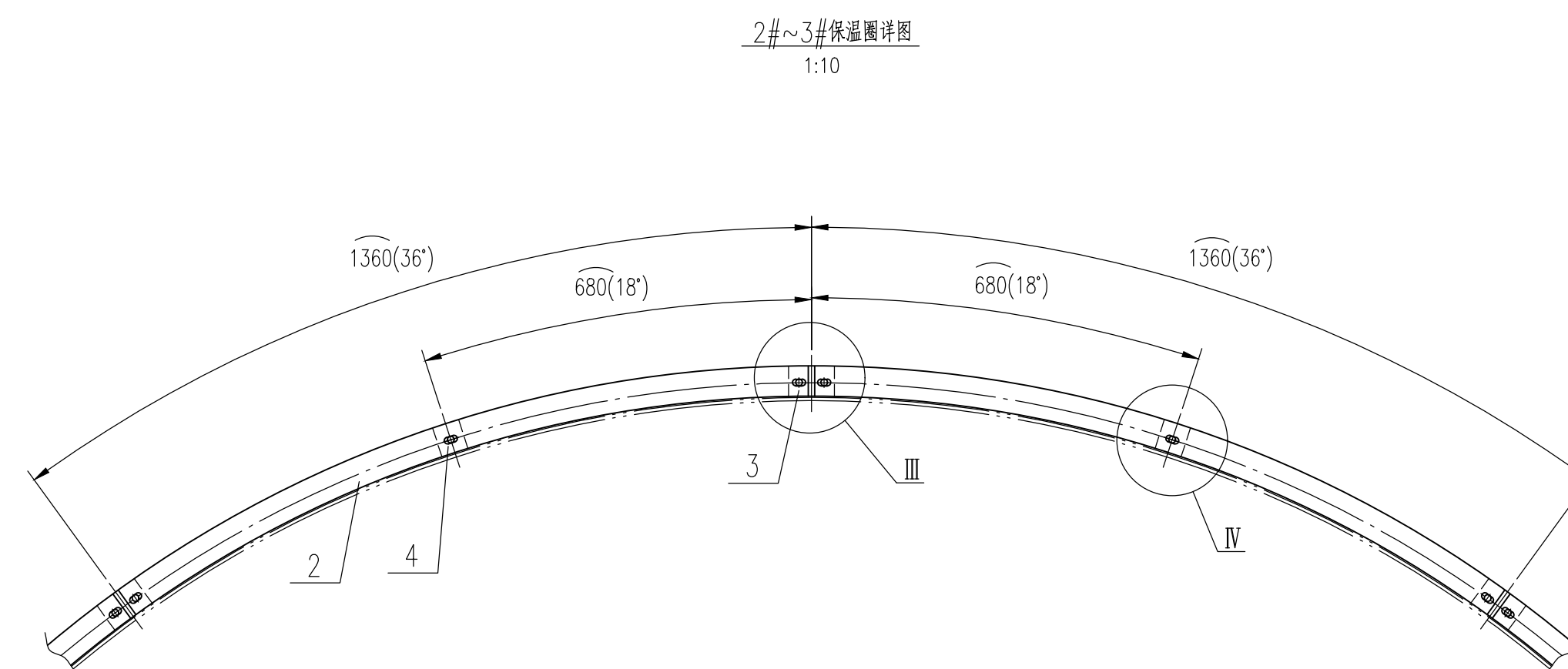
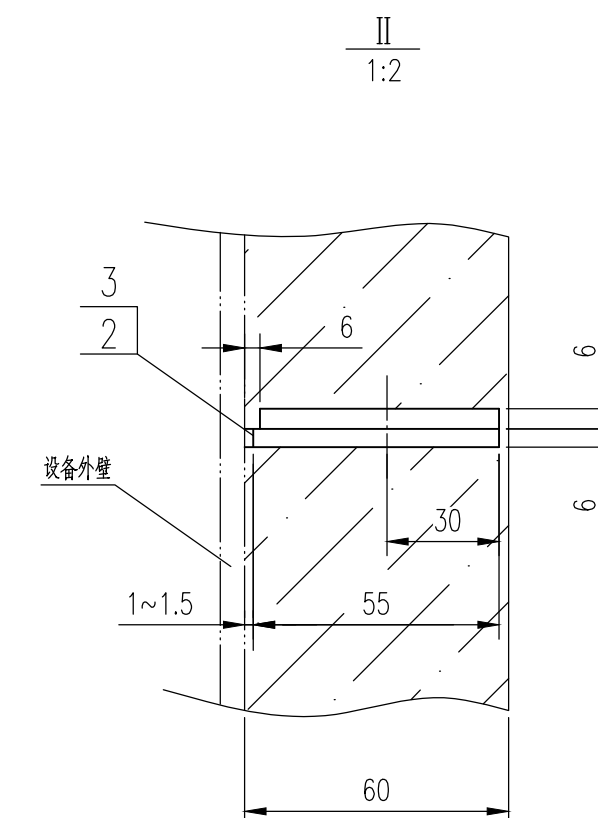
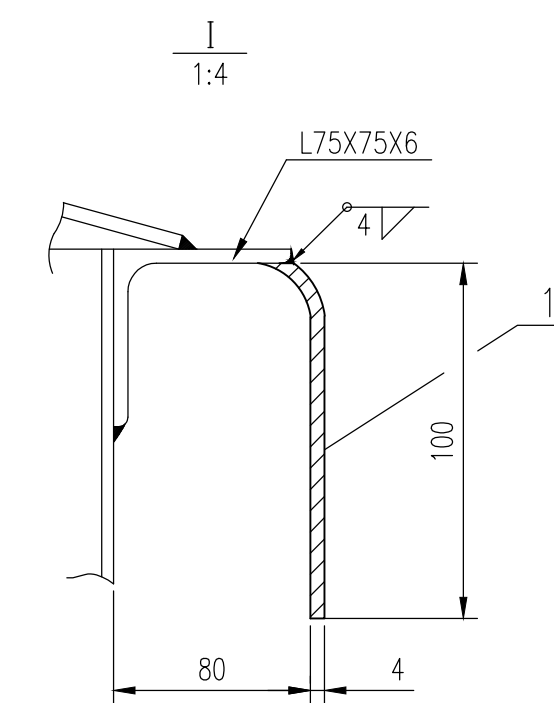
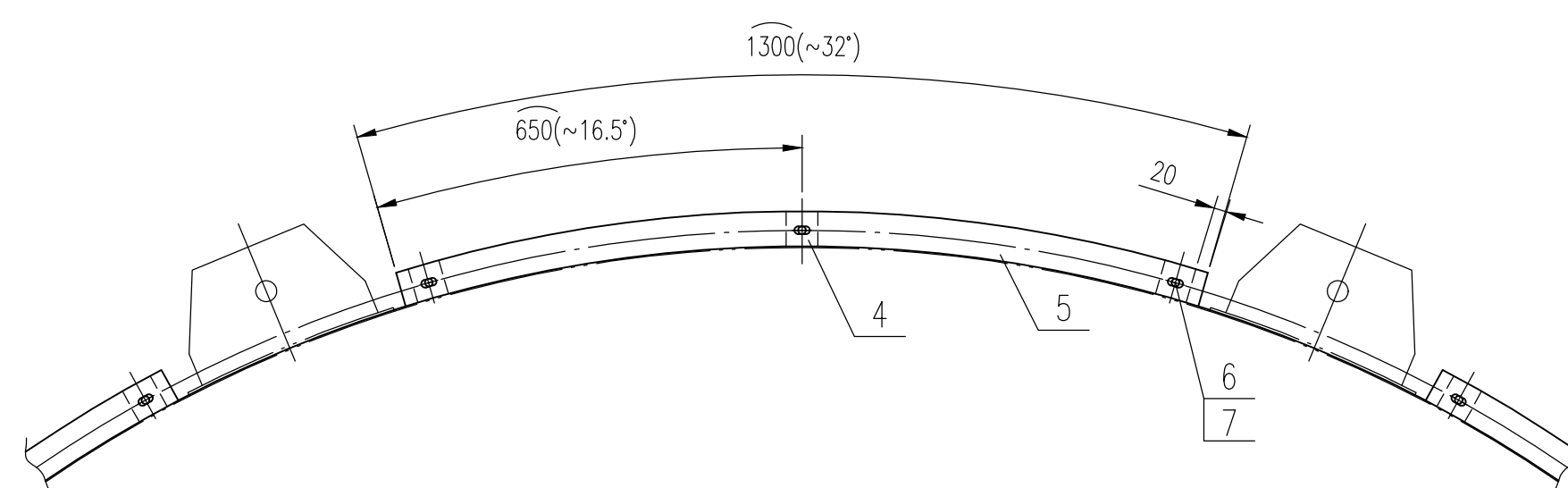
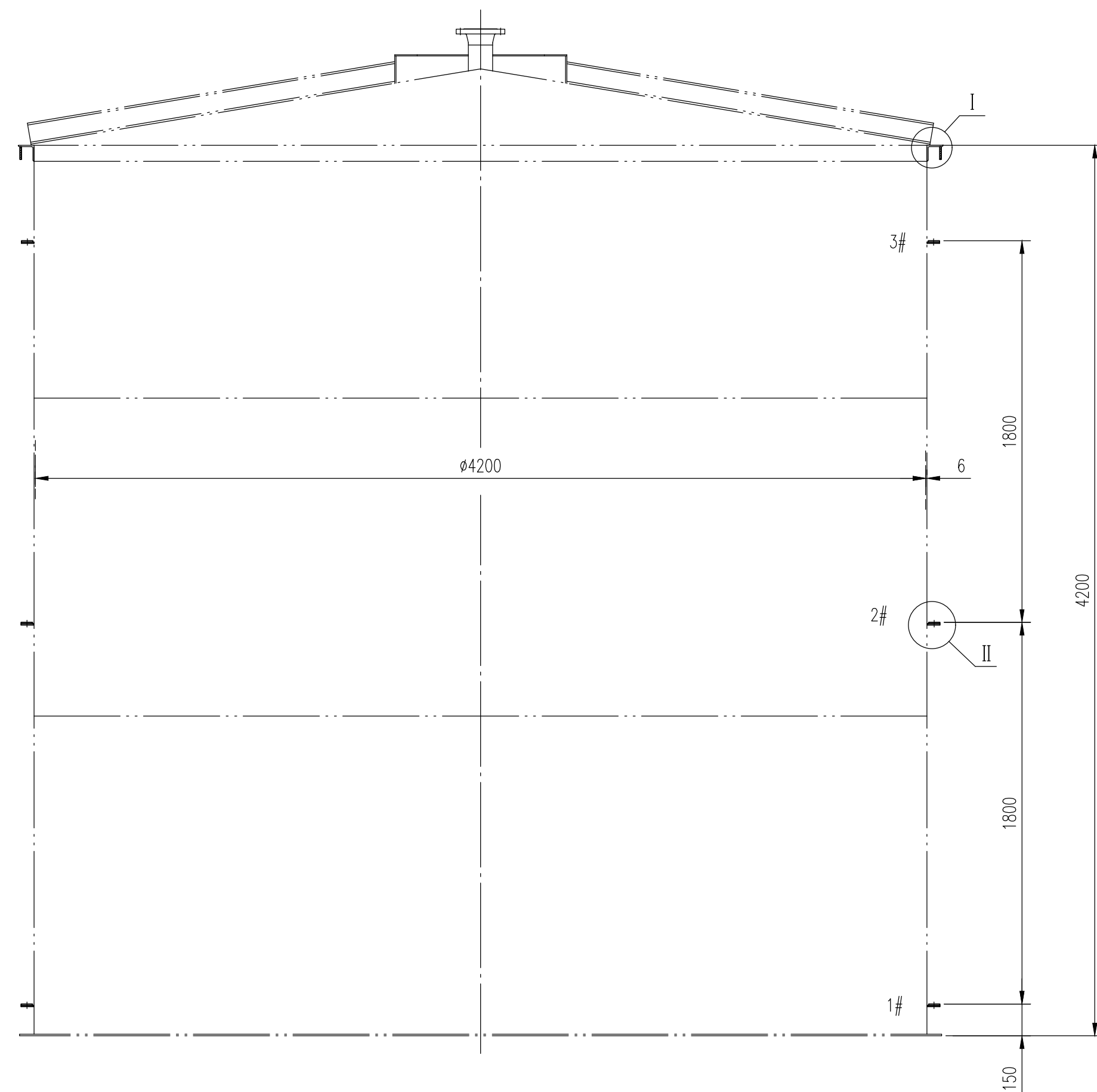


1. 梯子及防护栏的施工应符合GB 50205—2020的规定。
The construction of ladders and guardrails shall comply with the provisions of GB 50205—2020.
2. 安装好的梯子不应有歪斜、扭扭、无筋及其他缺陷。
Installed ladders shall be free from tilting, twisting, deformation or other defects.
3. 制造安装工艺应确保梯子和所有构件的表面无孔、无锐边、尖角、毛刺或其他可能对梯子使用者造成伤害或妨碍其通过的缺陷。
Manufacturing and installation processes shall ensure that ladders and all components have smooth surfaces free from sharp edges, burrs or other external defects that may cause injury to users or hinder passage.
4. 根据使用场合及环境条件，应对梯子进行合适的防锈及防腐涂装。
Appropriate rust prevention and anti-corrosion coating shall be applied to ladders according to service conditions and environment.

总重: 380 kg





 PT PETRO OXO NUSANTARA			
 WUHUEN ENGINEERING CO., LTD. <small>MUST NOT BE COPIED, TRANSMITTED TO OTHERS OR USED WITHOUT PERMISSION OF WUHAN ENGINEERING CO., LTD.</small>		30,000 TPA NEOPENTYL GLYCOL PROJECT	
HPN STORAGE TANK LIFT AND GUARDRAIL DETAIL DRAWING ITEM NO:V-4102		Neopentyl Glycol Plant Detailed Engineering Design <div> <div>22150-V4102-007</div> <div>D00</div> </div>	
SPECI	EQUIPMENT	AREA	—
SCALE	1:20	SHT.1	OF 1



总重: 150kg

7	GB/T 41-2016	螺栓 M10 NET	84	5级	0.008	0.672	
6	GB/T 5782-2016	螺栓 M10X30 BOLT	84	5.6级	0.03	2.52	
5		扁钢 50X6 FLAT STEEL	8	Q235B	3.1	24.8	L=1300
4		天杆 50X55X6 JOURNAL STANGP	44	S30408	0.14	6.16	
3		天杆 84X55X6 JOURNAL STANGP	20	S30408	0.22	4.4	
2		扁钢 50X6 FLAT STEEL	20	Q235B	3.2	64	L=1360
1		挡泥板 100X64 RAIN SHIELD	1	S30408		44	L=13800
件 号 No.	图号或标准号 DWG. OR STAND. No.	名 称 DESCRIPTION	数量 QTY.	材 料 MATERIAL	单UNIT 重WEIGHT(kg)	总TOTAL 重WEIGHT(kg)	备 注 REMARKS
D00	详细工程设计/DETAILED ENGINEERING DESIGN	徐淑松	王恩俊	赵银峰			2025.6.
REV.	DESCRIPTION	DENGD	CHEKD	APPRD	AUTHD	DATE	

 PON PETRO OXO NUSANTARA							
 WUHN ENGINEERING CO., LTD. <small>MAY BE USED, TRANSMITTED TO OTHERS OR USED WITHOUT PERMISSION OF WUHN ENGINEERING CO., LTD.</small>				30,000 TPA NEOPENYTL GLYCOL PROJECT			
HPN STORAGE TANK THERMAL INSULATION SUPPORT DETAIL DRAWING ITEM NO:V-4102				Neopenytl Glycol Plant			
				Detailed Engineering Design			
				22150-V4102-008			000
SPECI	EQUIPMENT	AREA	—	SCALE	1:20	SHT.1	OF 1