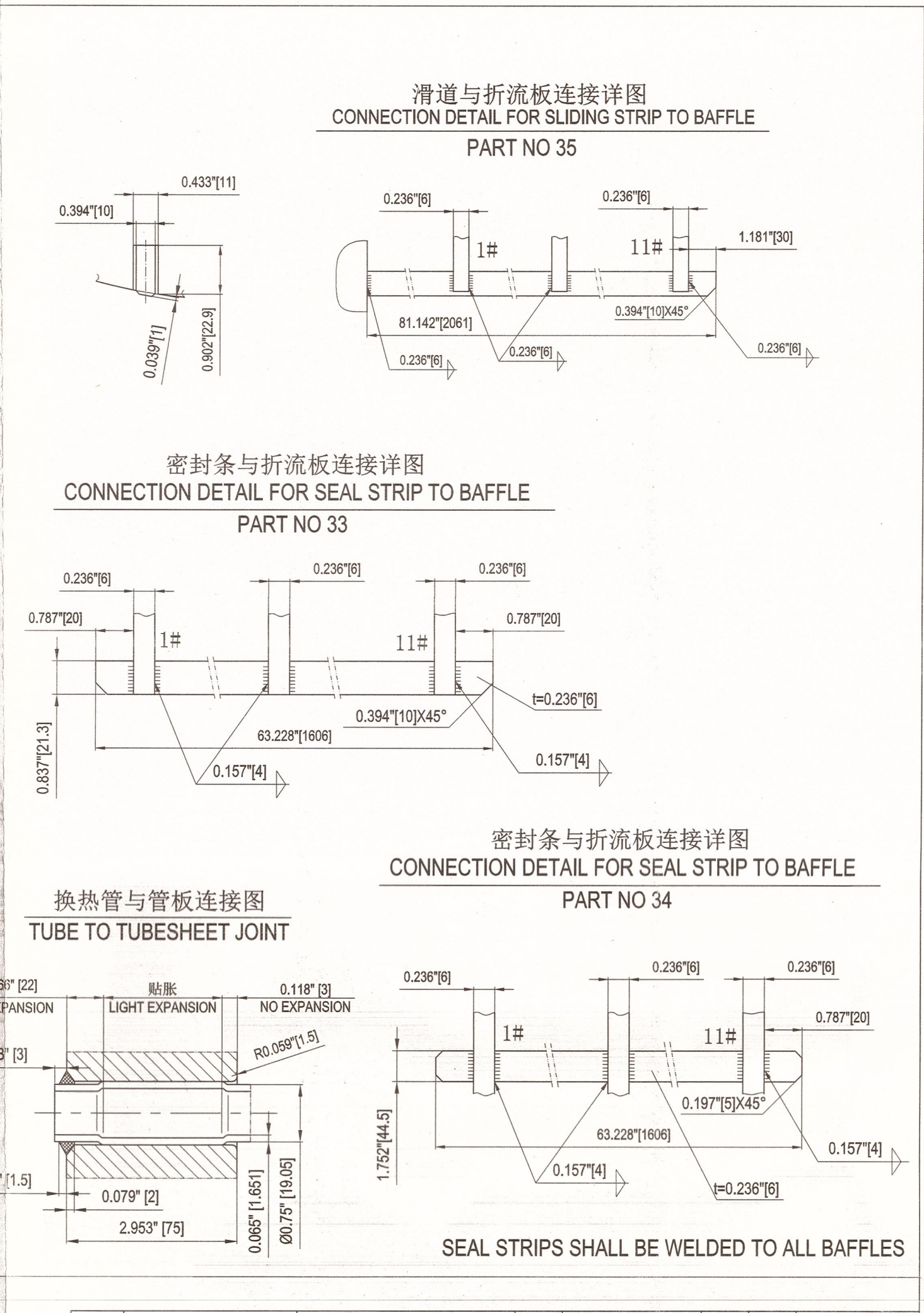
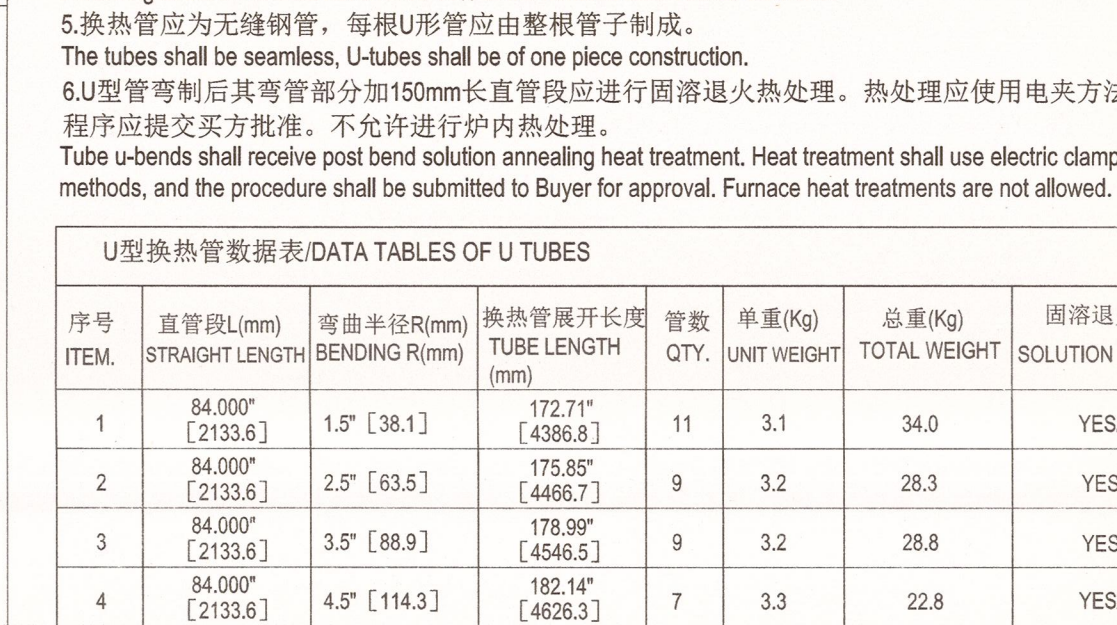
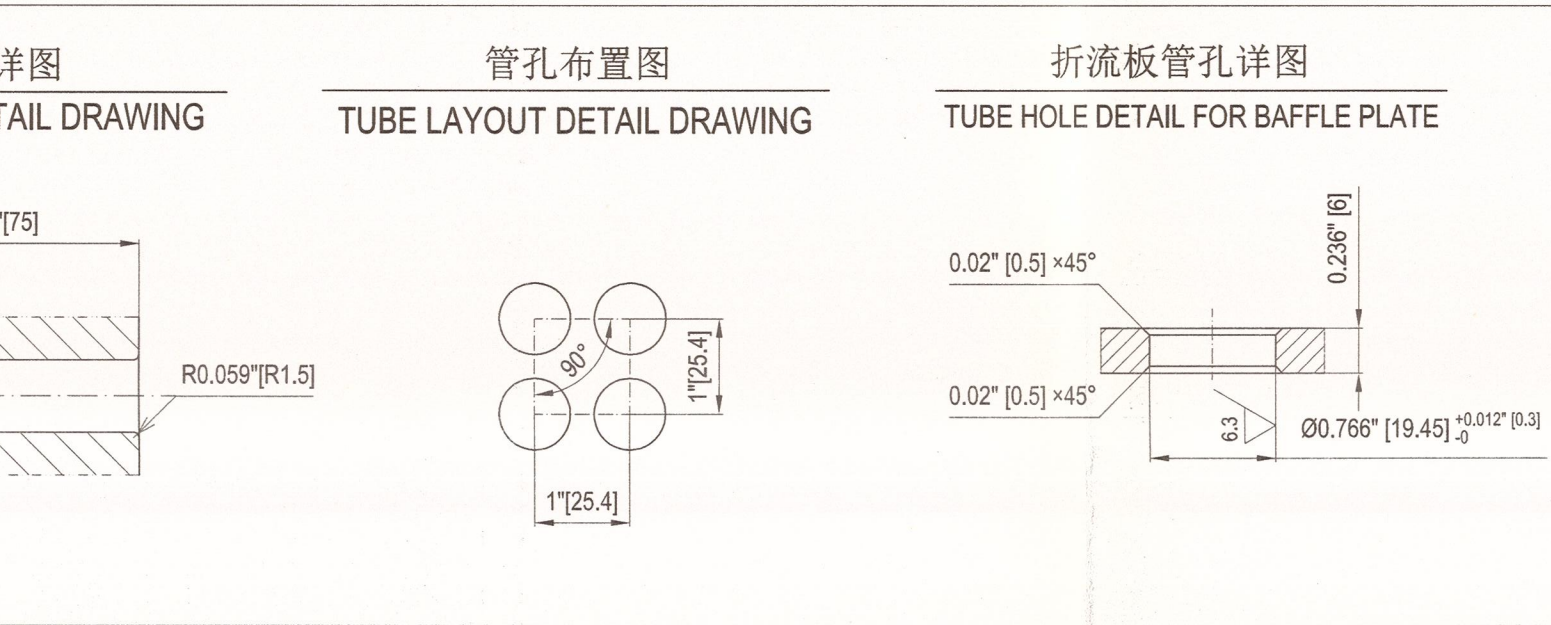
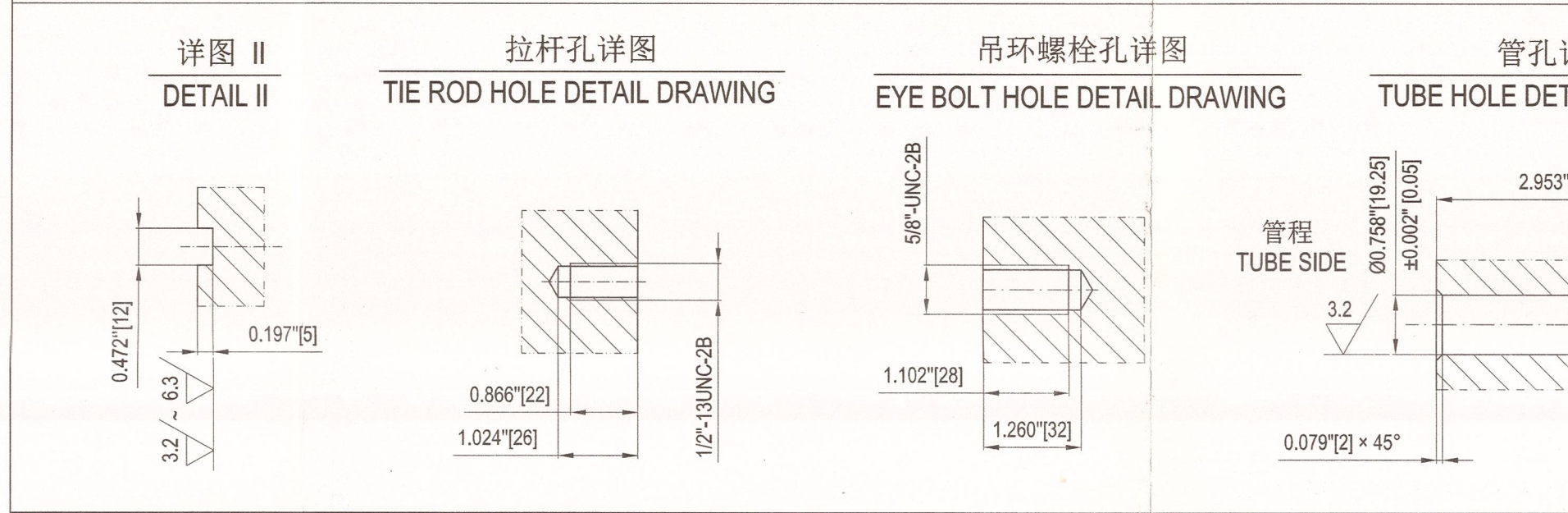
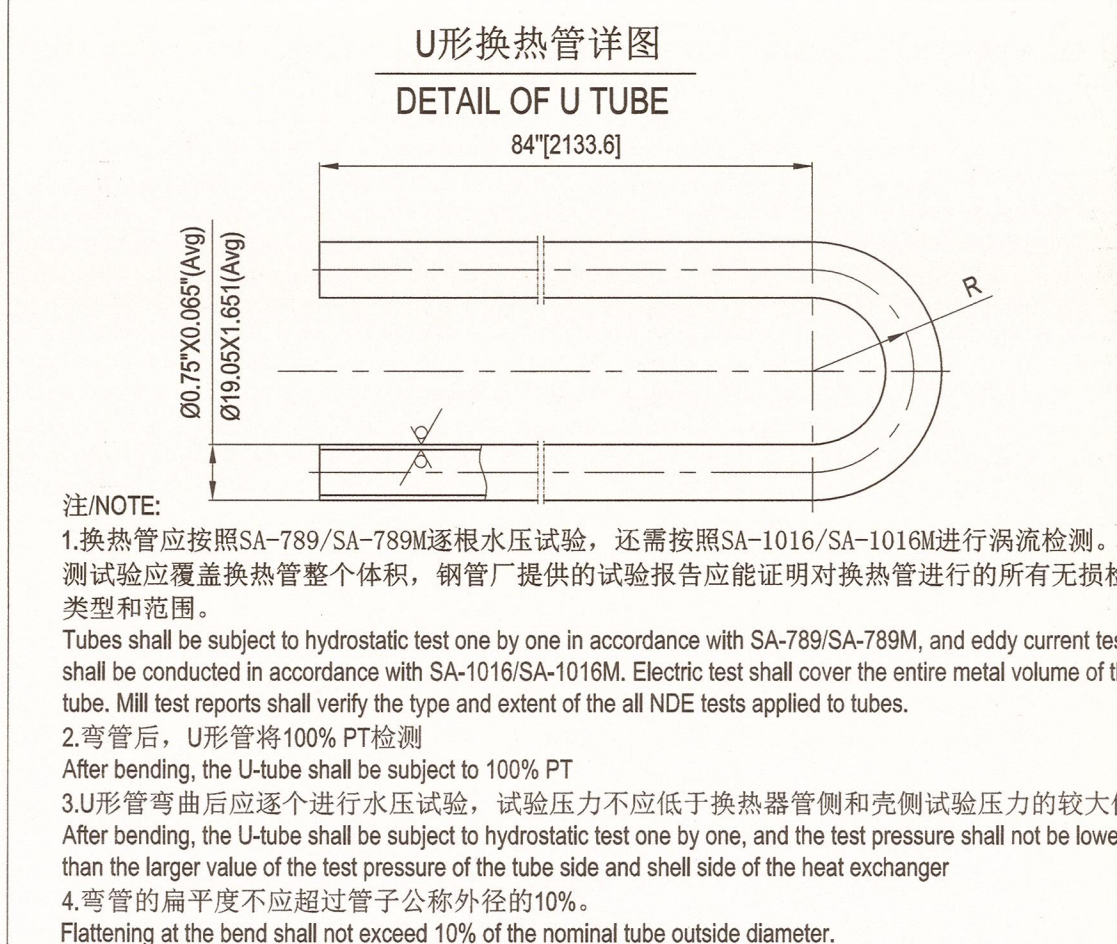
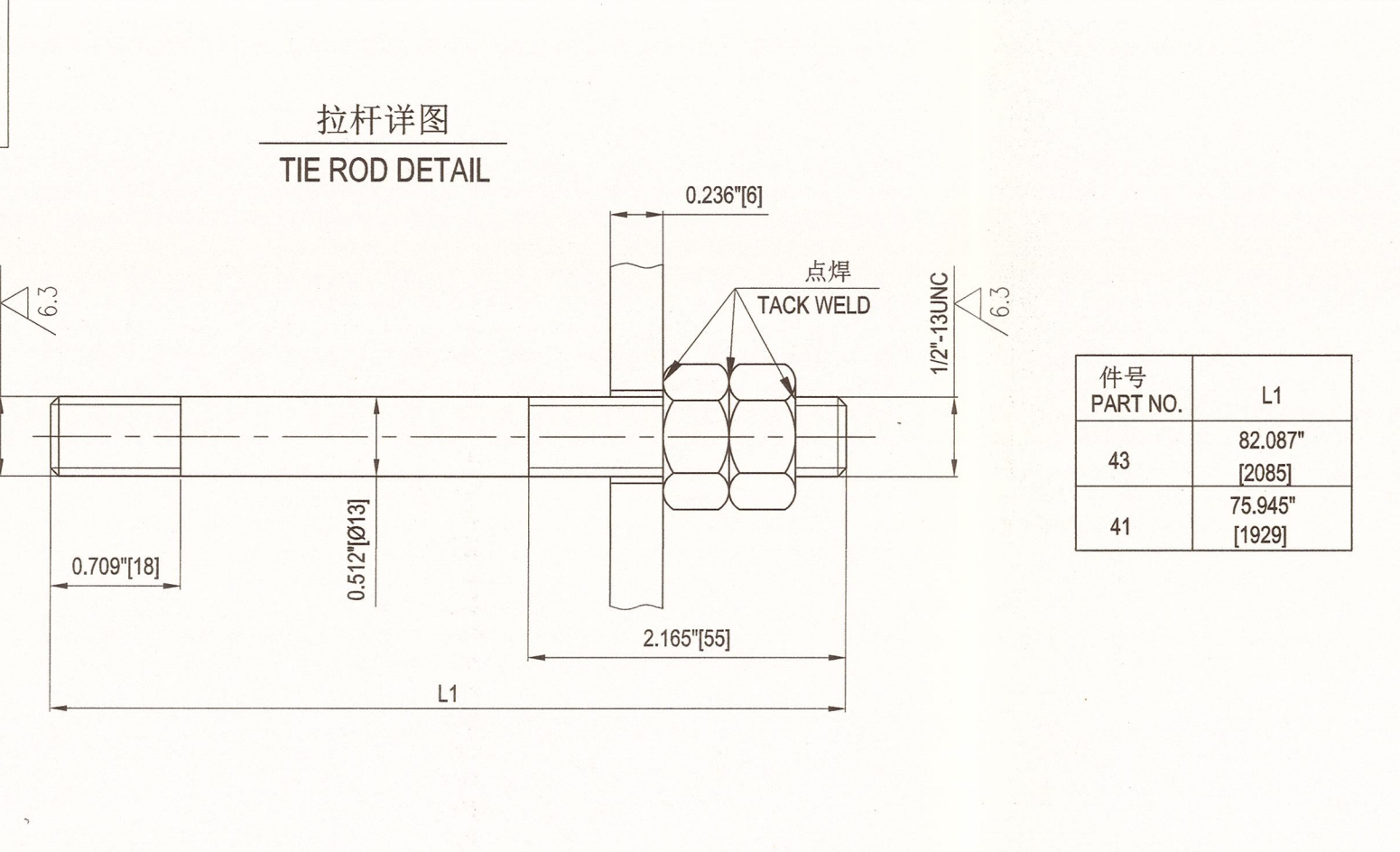
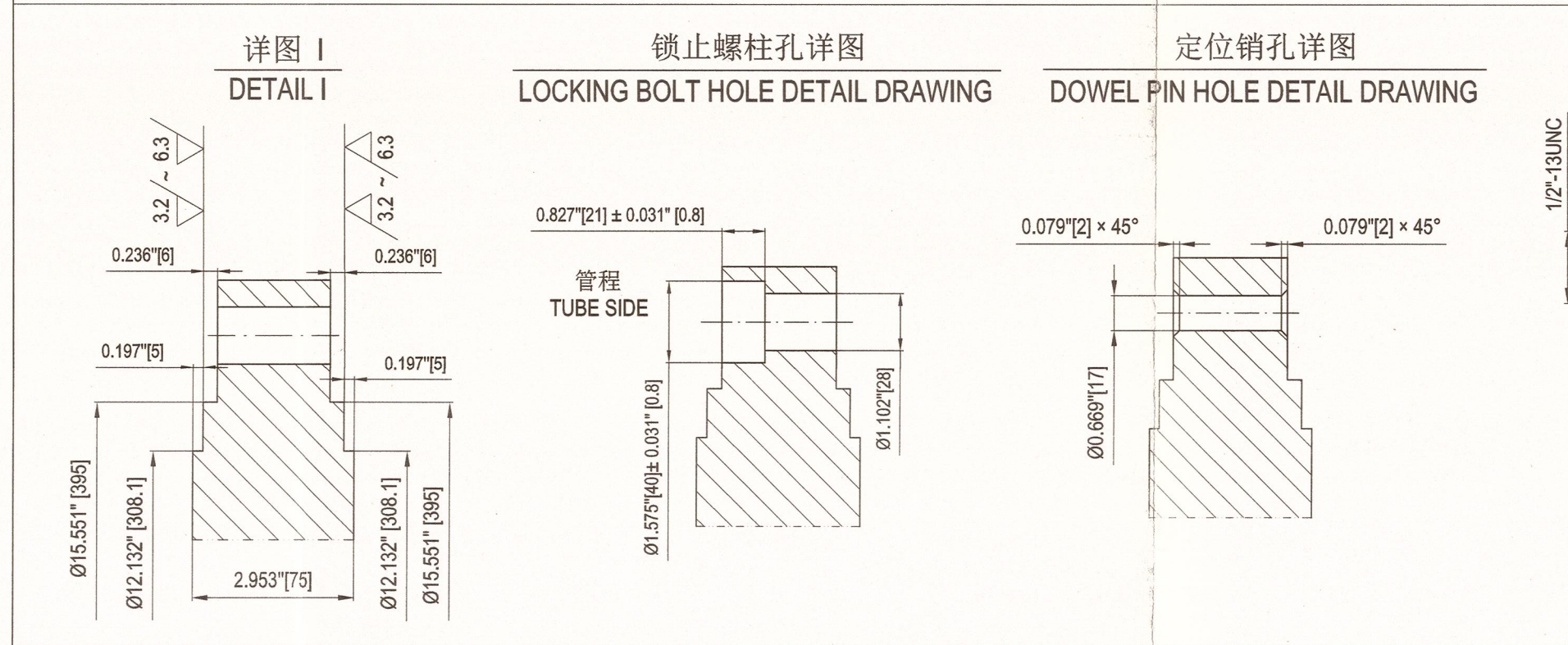
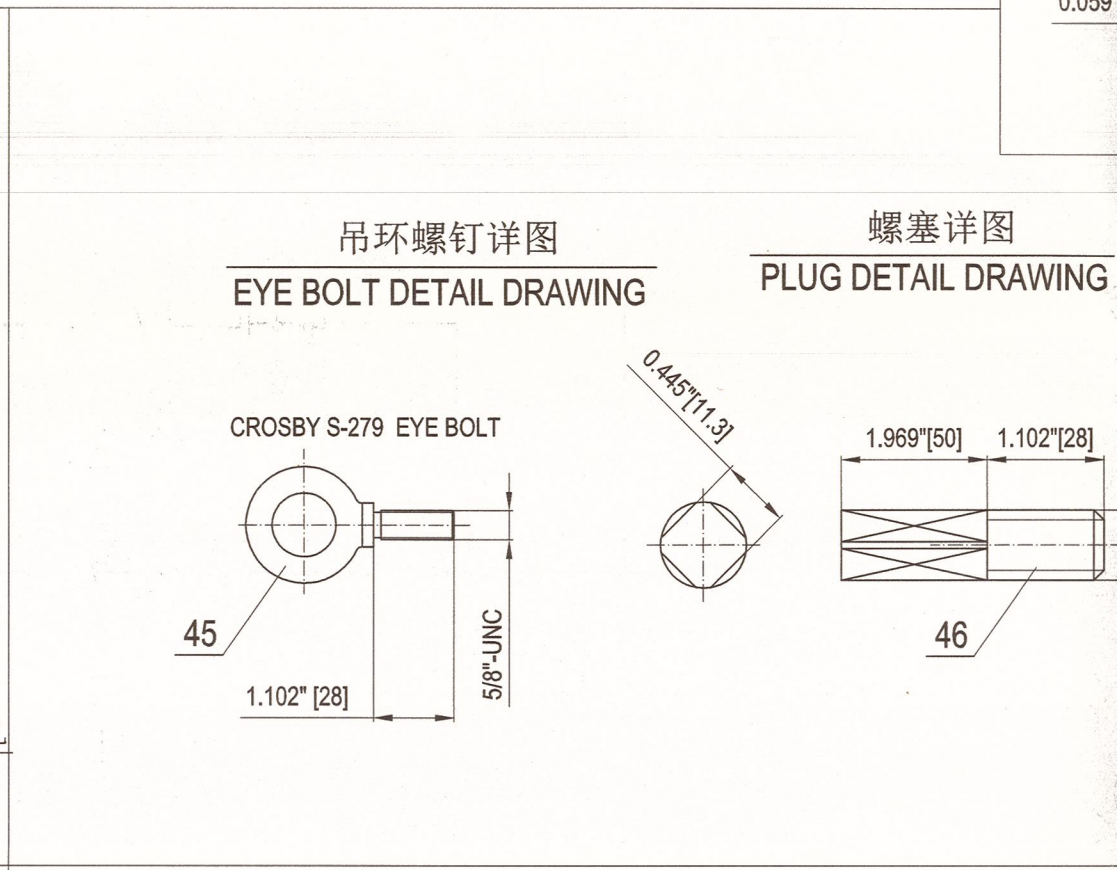
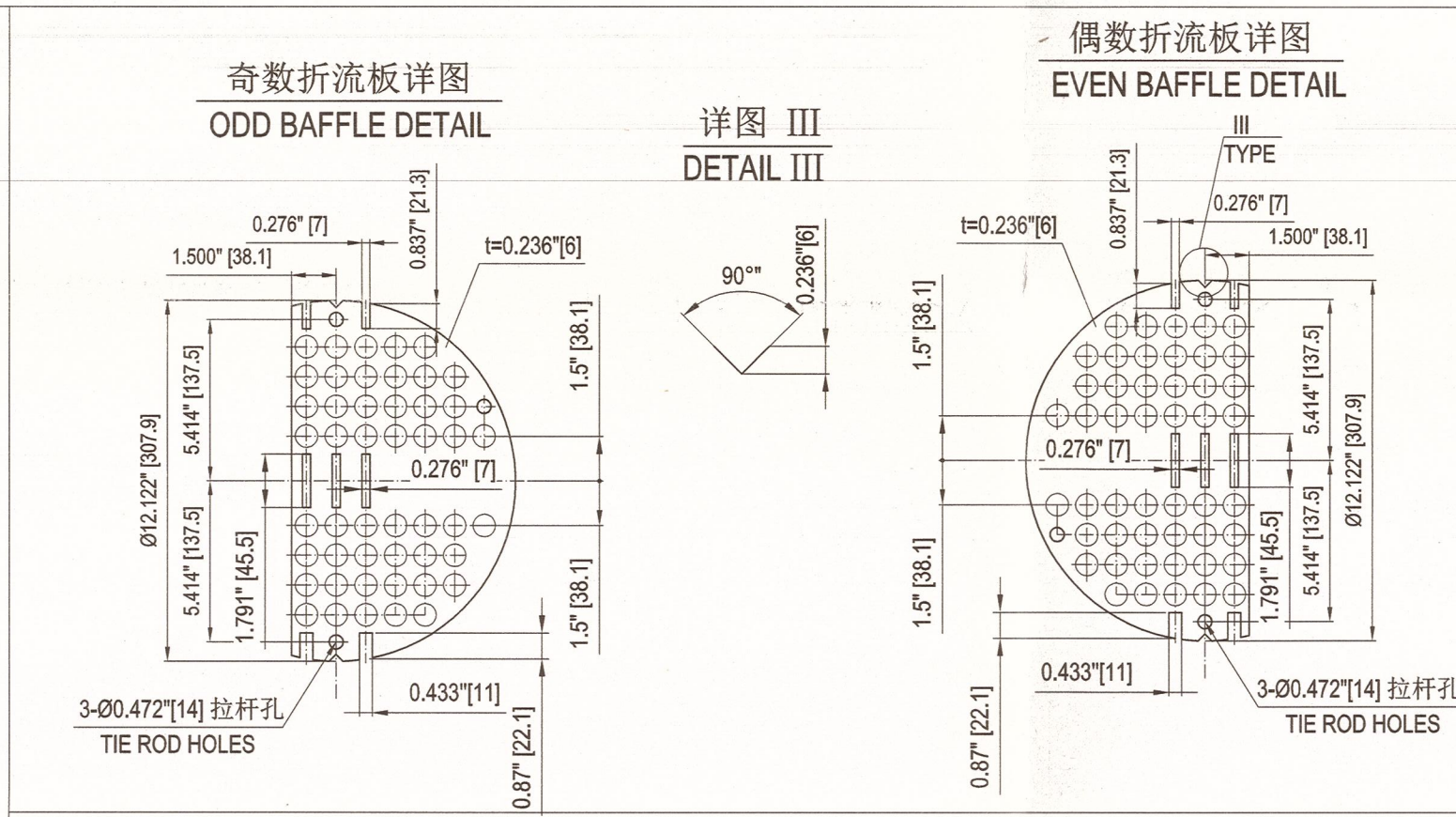
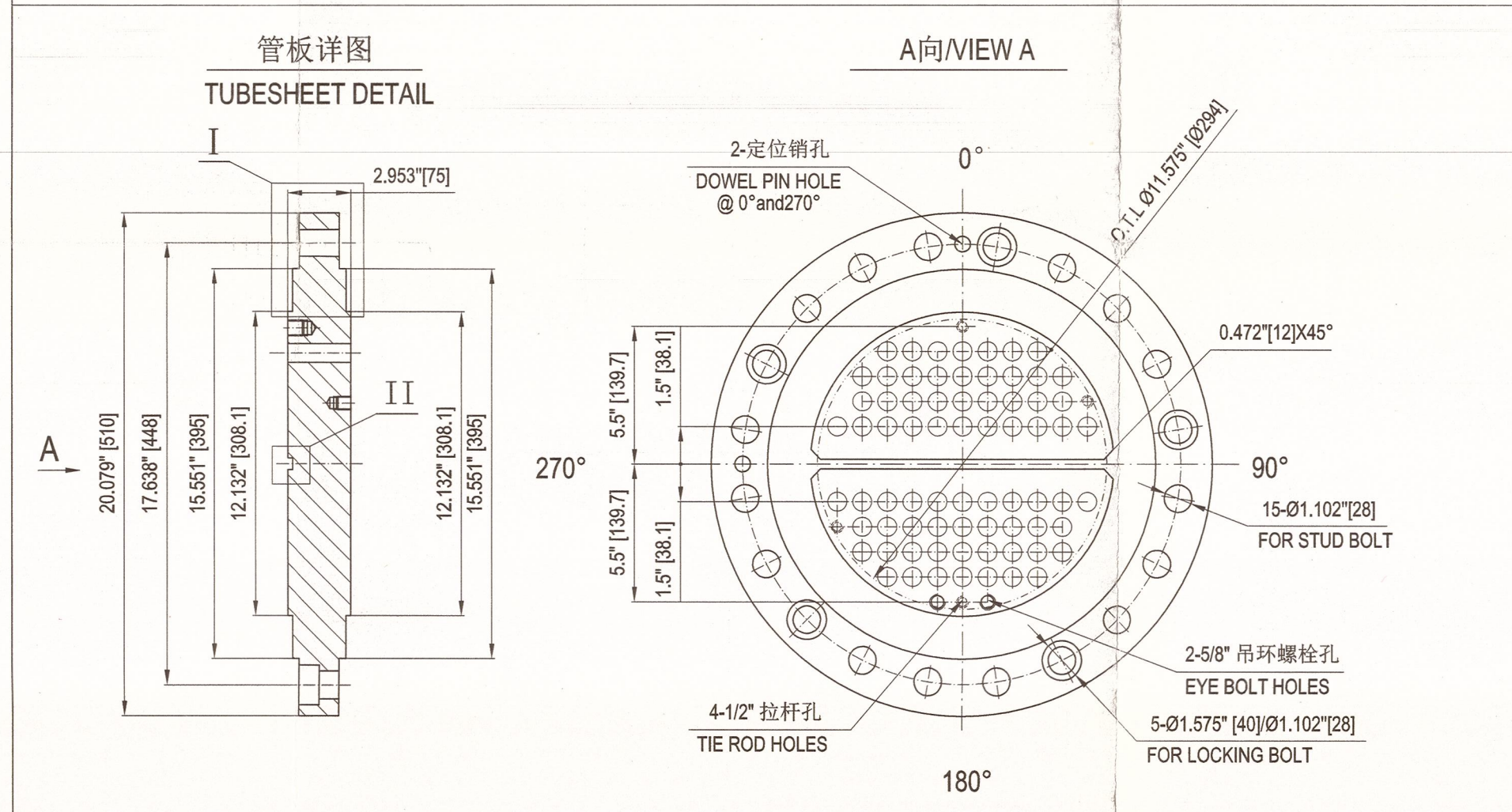
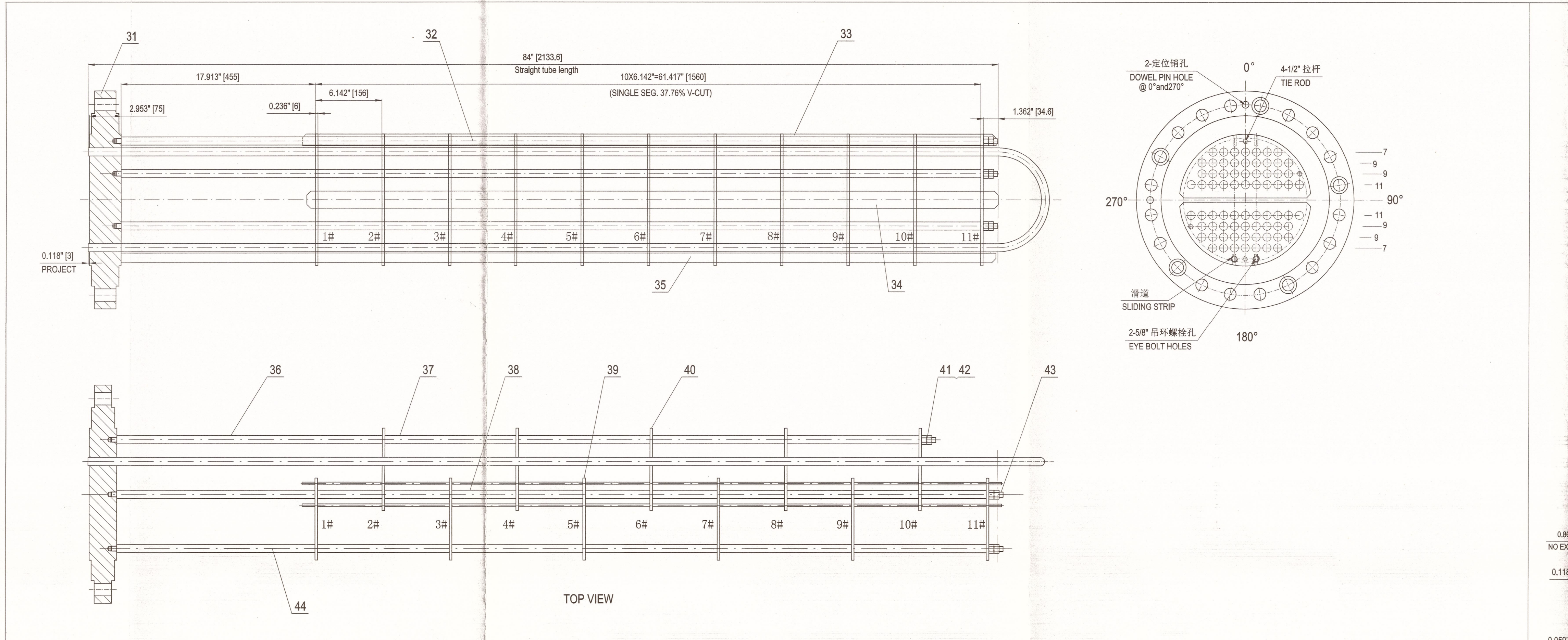
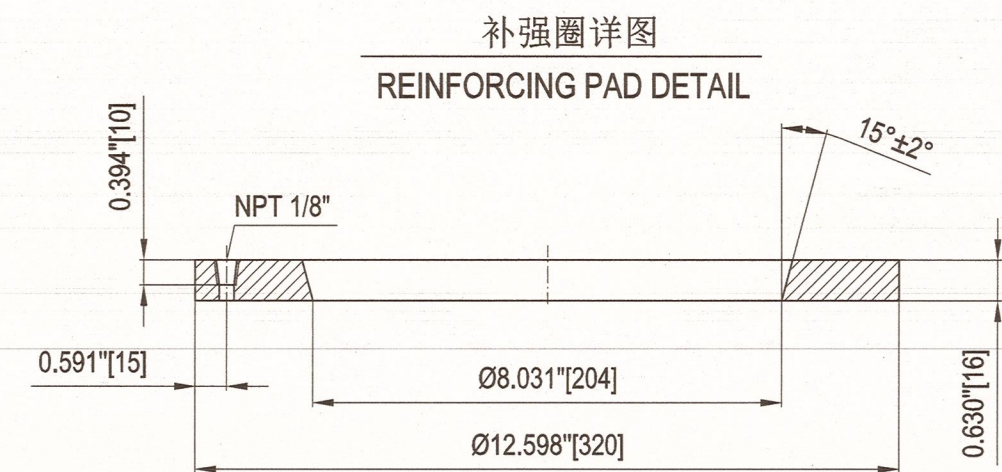
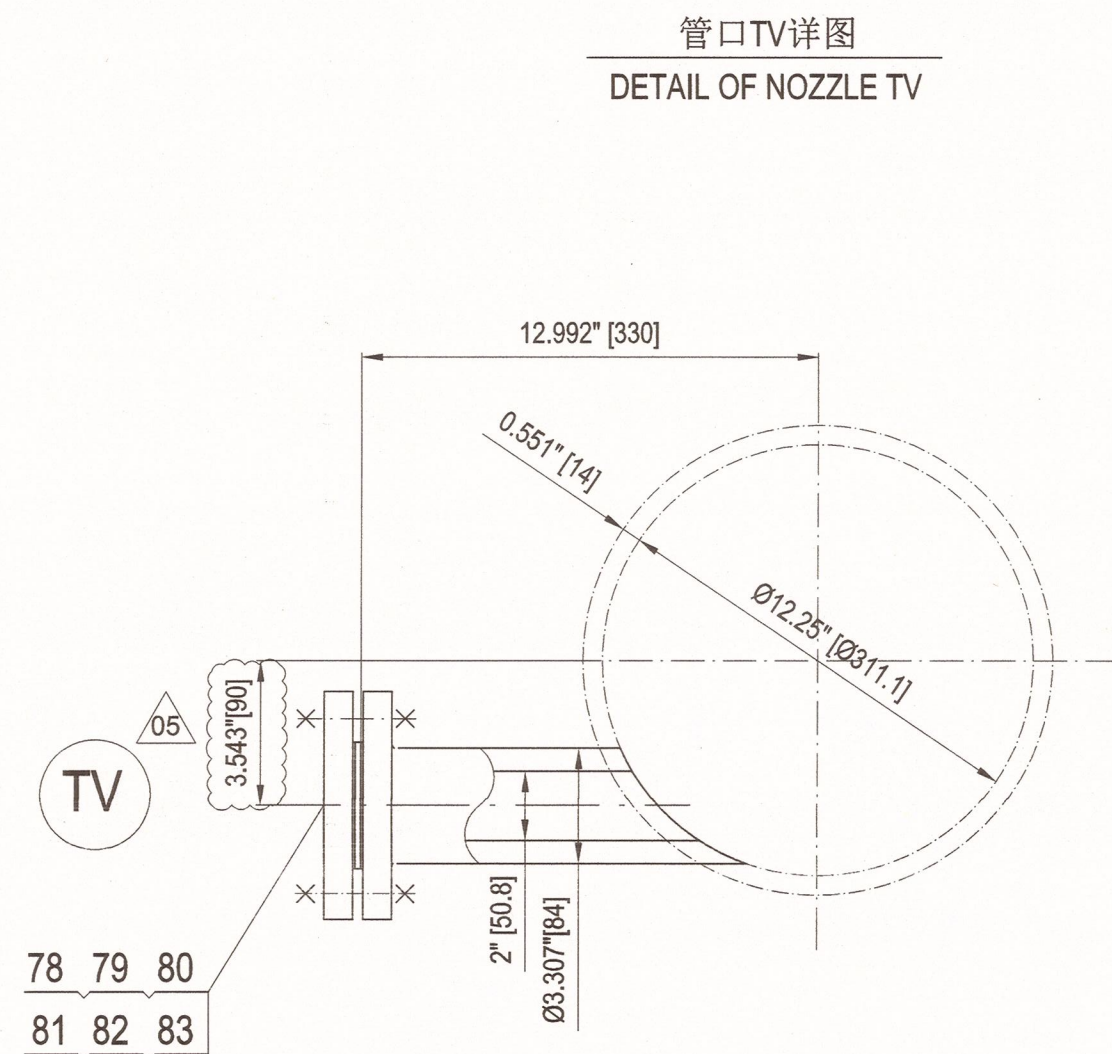
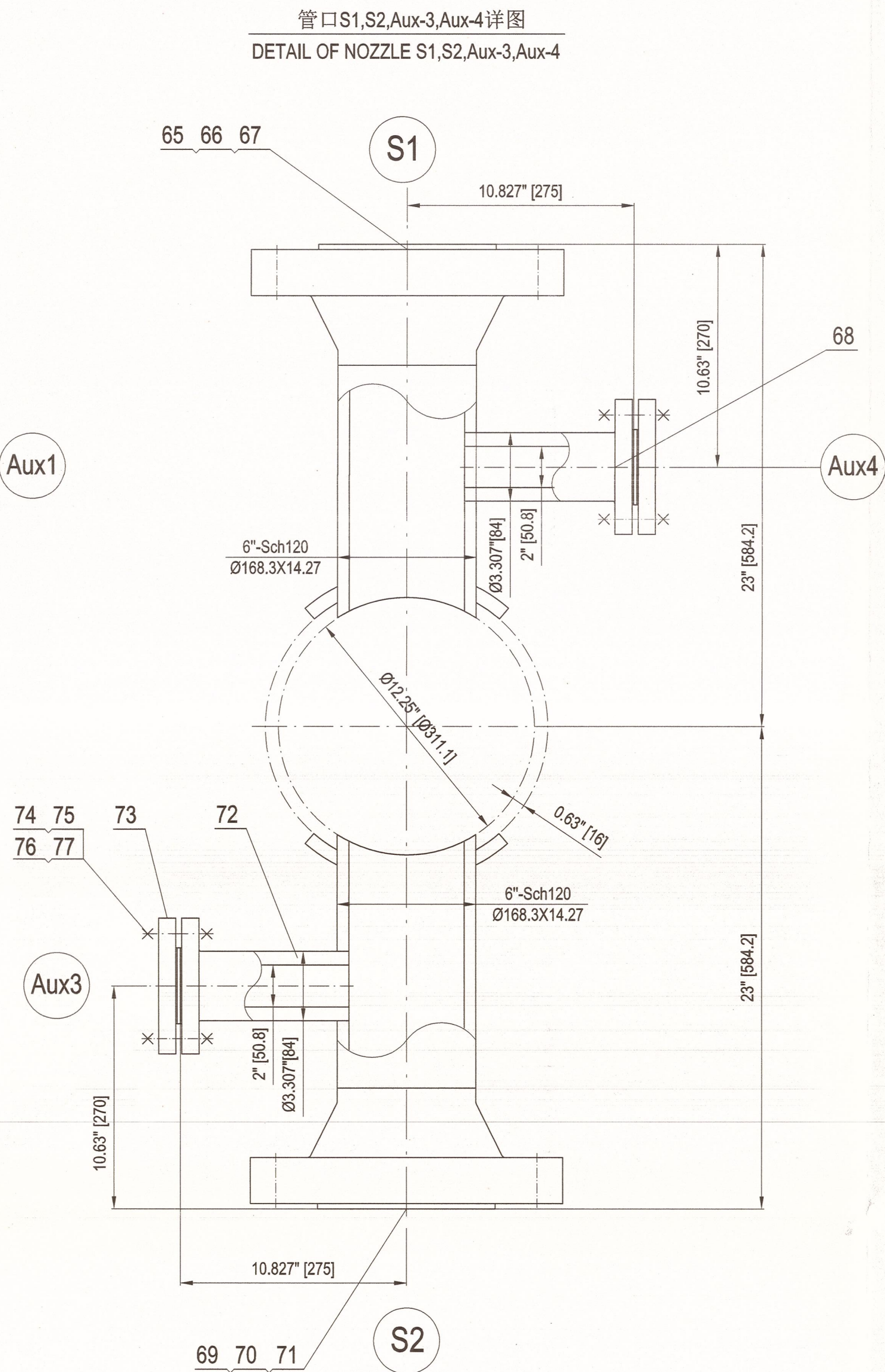
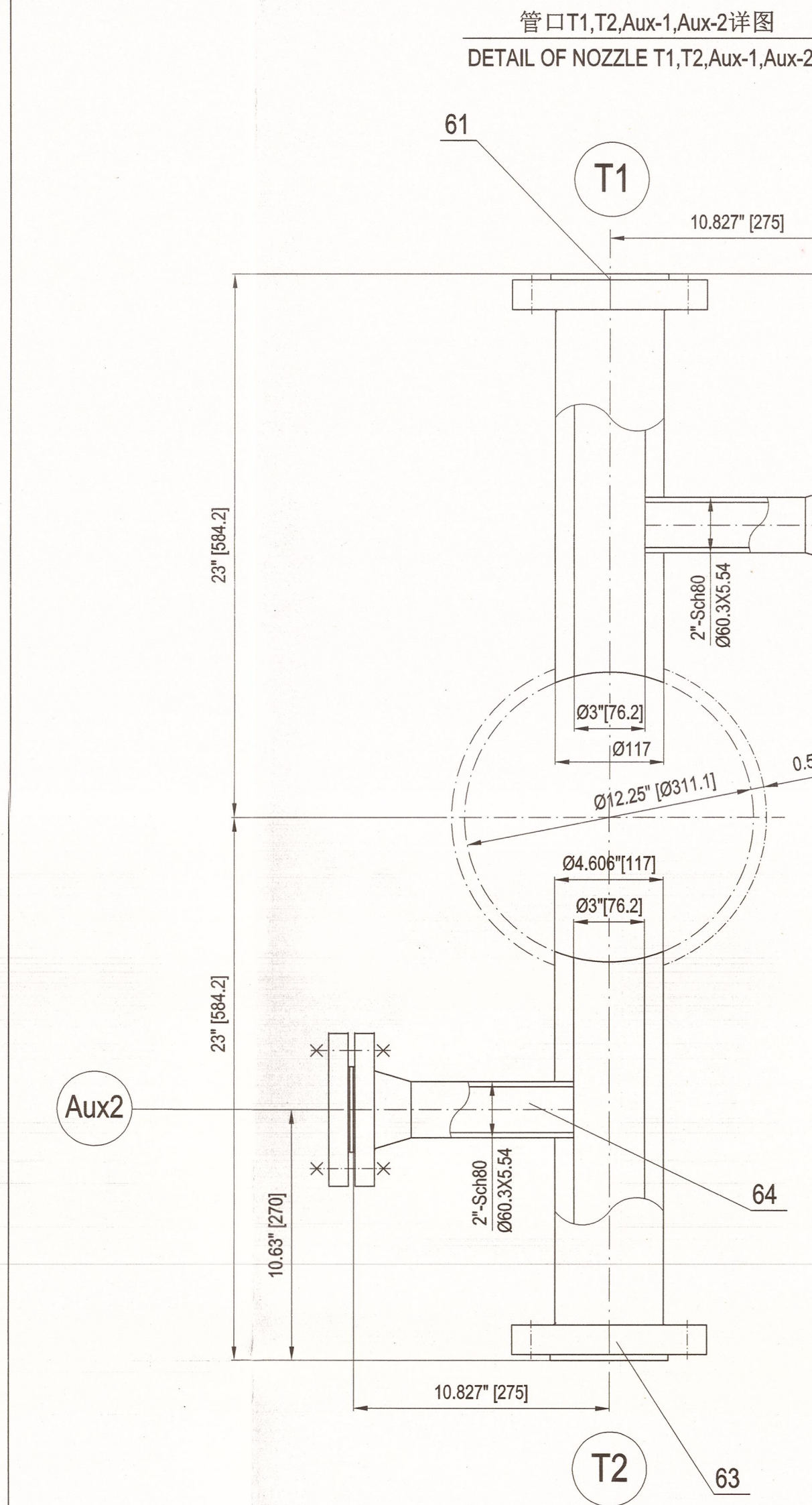
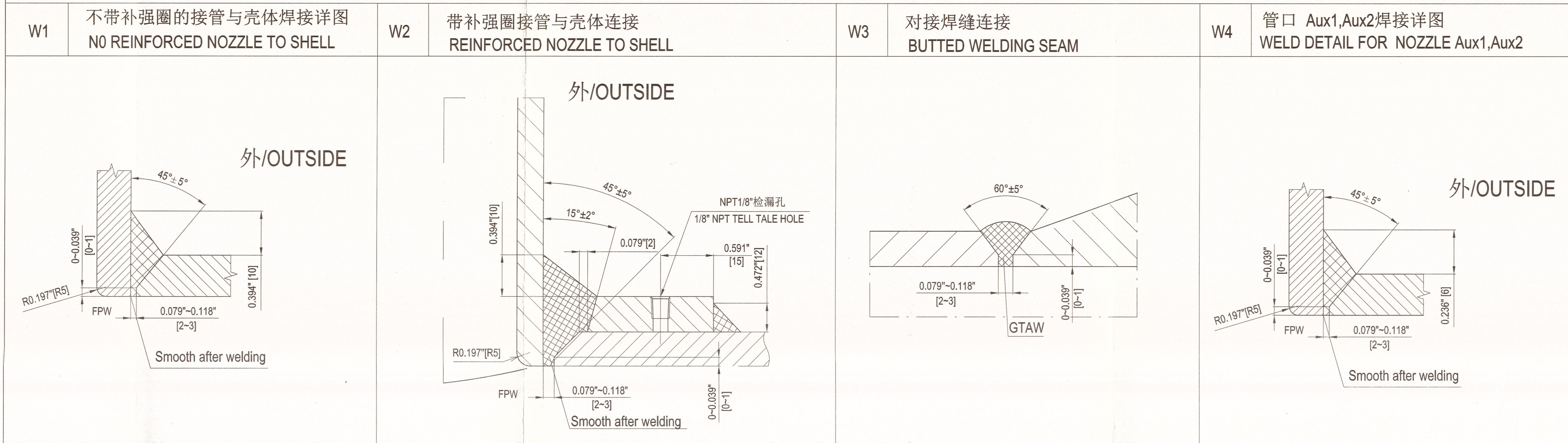




46		螺塞 PLUG	2	SA-182 F60	/	/	
45	CROSBY S-279	吊环螺栓 5/8"-UNC L=28 EYE BOLT	2	SA-182 F60	/	/	
44		定距管 Ø19.05×1.651 L=455 SPACER	3	SA-213 TP316L	0.3	0.9	
43		拉杆 Ø13 L=2085 TIE ROD	3	SA-479 316L	4.8	14.4	
42	ASME B18.2.2-2022	六角螺母 1/2" HEX NUT	8	SA-194 8	/	/	
41		拉杆 Ø13 L=1929 TIE ROD	1	SA-479 316L		4.5	
40		偶数折流板 t=6 EVEN BAFFLE	5	SA-240 316L	1.6	8.0	
39		奇数折流板 t=6 ODD BAFFLE	6	SA-240 316L	1.6	9.6	
38		定距管 Ø19.05×1.651 L=150 SPACER	20	SA-213 TP316L	0.1	2.0	
37		定距管 Ø19.05×1.651 L=294 SPACER	9	SA-213 TP316L	0.2	1.8	
36		定距管 Ø19.05×1.651 L=611 SPACER	1	SA-213 TP316L		0.4	
35		滑道 SLIDING STRIP	2	SA-240 316L	2.7	5.4	
34		密封条 SEAL STRIP	3	SA-240 316L	5.5	16.5	
33		密封条 SEAL STRIP	2	SA-240 316L	4.2	8.4	
32		U形换热管 Ø19.05×1.651(Avg) U-TYPE TUBE	36	SA-789 S32205	113.9		Seamless
31		管板 TUBE SHEET	1	SA-182 F60		102.4	
件号 PART NO.	图号或标准号 DWG.NO.OR STD.NO.	名称 DESIGNATION	数量 QTY.	材料 MATERIAL	单重 WEIGHT (kg)	总重 TOTAL WEIGHT (kg)	备注 REMARKS
AIR PRODUCTS As Built FLUOR							
Air Products Project Number		EN207123	Fluor Project Number		A8KM		
Project Name		World Energy Renew Utilities USFL		RFQ No.		A8KM-4-403-RQ	
Purchase Order Number		4058000575		PO/Contract No		A8KM-4-403-PO-6	
Air Products Open Text document number		EN207123-WUXI-SV3-00013		Project Area		Utilities	
Client		WORLD ENERGY PARAMOUNT		Client Doc No:			
04	竣工版/AS BUILT	Hu Wenchao		Shengfang Zhao	Kevin Yang	10-Mar-23	
03	供批准/ISSUED FOR APPROVAL	Hu Wenchao		Shengfang Zhao	Kevin Yang	28-Oct-22	
02	供批准/ISSUED FOR APPROVAL	Hu Wenchao		Shengfang Zhao	Kevin Yang	29-Sep-22	
01	供批准/ISSUED FOR APPROVAL	Hu Wenchao		Shengfang Zhao	Kevin Yang	17-Jun-22	
版次	REV	版次说明/DESCRIPTION		设计/DESIGNED		批准/REVIEWED	
设计项目		World Energy Renewables Project		设计阶段		详细设计	
设计阶段		DESIGN PHASE		图号		WXCE8718-02	
设备位号		ITEM NO.		图号		DWG. NO.	
设计		胡文超		2023.7.10		第 1 页 共 1 页	
审核		2023.7.10		T-20002 Recirculating Exchanger		PAGE 1 OF 1	
批准		2023.7.10		BUNDLE DETAIL DRAWING			
比例		1:3		版次		REV. 04	
SCALE							



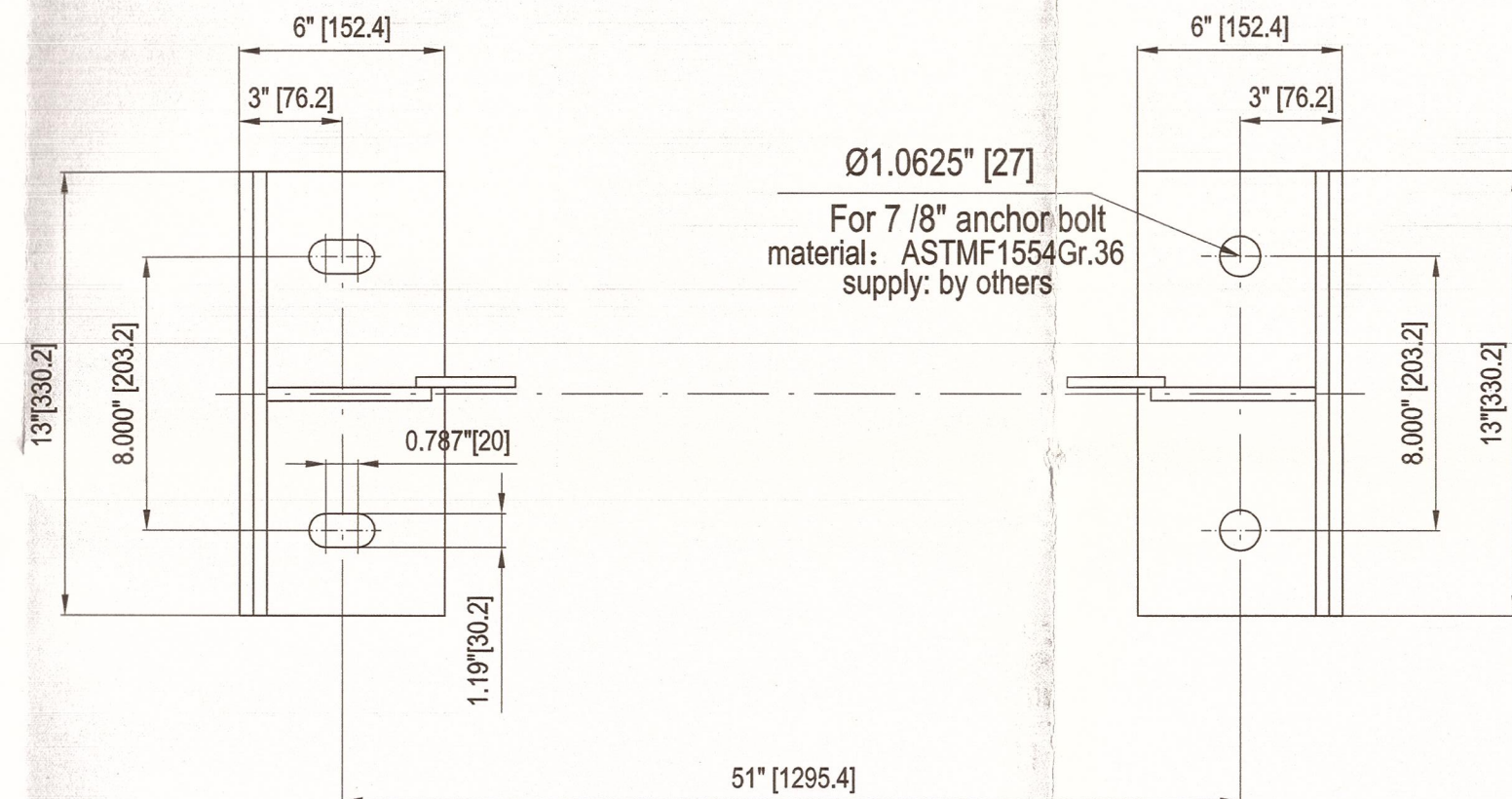
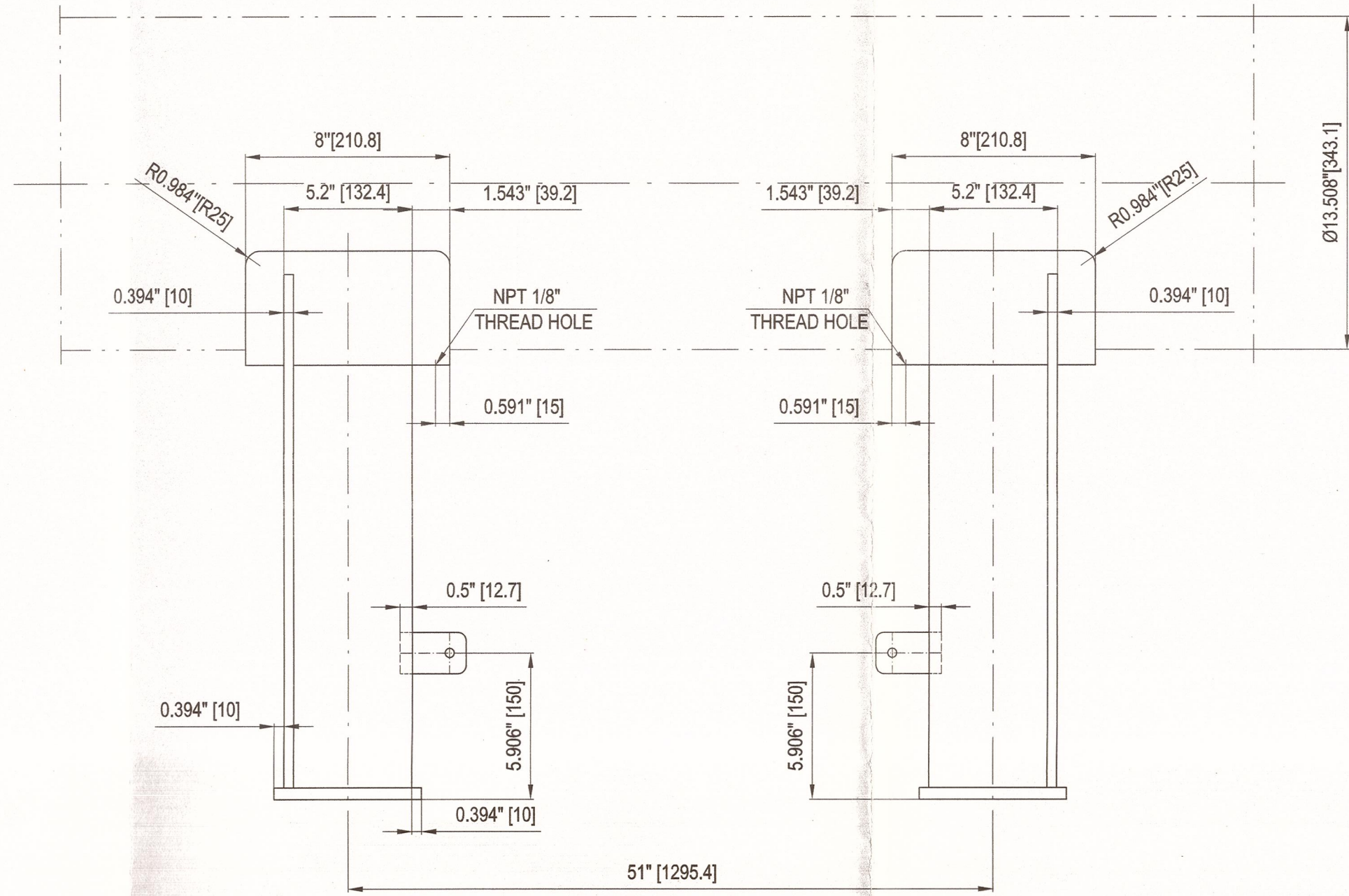
注/Note:
1.缠绕垫材料:金属带为SS316L;填充带为柔性石墨;外环为SS316L;内环为SS316L.
SPIRAL WOUND GRAPHITE FILLER SS316L WINDINGS, WITH SS316L INNER RING AND SS316L CENTRING RING



83	ASME PCC 1-2019 APPENDIX M	垫圈 5/8" WASHER	48+6	TYPE 4	0.08	4.8	Aux1,Aux2,TV
82	ASME B16.20-2017	缠绕垫 2"-300# RF SPIRAL WOUND GASKET	3+6	见注1 SEE NOTE 1	/	/	Aux1,Aux2,TV
81	ASME B18.2.2-2022	重型六角螺母 5/8"-11UNC-2B HEAVY HEAVY HEX NUT	96+12	SA-194 2H	0.1	9.6	Aux1,Aux2,TV
80	ASME B18.2.1-2012 (R2021)	全螺纹螺栓 5/8"-11UNC-2A L=150 FULL THREAD STUD BOLT	24+3	SA-193 B7	0.2	4.8	Aux1,Aux2,TV
79	ASME B16.5-2017	法兰盖 BL 2"-300# RF BLIND FLANGE	3	SA-105N	3.2	9.6	Aux1,Aux2,TV
78	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	1	SA-105N	8.4	8.4	TV
77	ASME PCC 1-2019 APPENDIX M	垫圈 5/8" WASHER	32+4	TYPE 6	0.08	3.2	Aux 3,Aux4
76	ASME B16.20-2017	缠绕垫 2"-300# RF SPIRAL WOUND GASKET	2+4	见注1 SEE NOTE 1	/	/	Aux 3,Aux4
75	ASME B18.2.2-2022	重型六角螺母 5/8"-11UNC-2B HEAVY HEAVY HEX NUT	64+8	SA-194 Gr.8	0.1	6.4	Aux 3,Aux4
74	ASME B18.2.1-2012 (R2021)	全螺纹螺栓 5/8"-11UNC-2A L=150 FULL THREAD STUD BOLT	16+2	SA-193 B8	0.2	3.2	Aux 3,Aux4
73	ASME B16.5-2017	法兰盖 BL 2"-300# RF BLIND FLANGE	2	SA-182 F316L	3.2	6.4	Aux 3,Aux4
72	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	1	SA-182 F316L	8.4		Aux 3
71		补强圈 t=16 REINFORCING PAD	1	SA-240 316L	7.5		S2
70	ASME B16.5-2017	法兰 WN 6"-900# RF Sch120 FLANGE	1	SA-182 F316L	49.03		S2
69		接管 Ø168.3×14.27 PIPE	1	SA-312 TP316L	17		S2
68	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	1	SA-182 F316L	8.4		Aux 4
67		补强圈 t=16 REINFORCING PAD	1	SA-240 316L	7.5		S1
66	ASME B16.5-2017	法兰 WN 6"-900# RF Sch120 FLANGE	1	SA-182 F316L	49.03		S1
65		接管 Ø168.3×14.27 PIPE	1	SA-312 TP316L	17		S1
64		接管 Ø60.3×5.54 NOZZLE	2	SA-106 Gr.B	1.5	3.0	Aux 1,Aux 2
63	ASME B16.5-2017	法兰 LWN 3"-600# RF B=76.2 FLANGE	1	SA-105N	16.37		T2
62	ASME B16.5-2017	法兰 WN 2"-300# RF Sch80 FLANGE	2	SA-105N	3.6	7.2	Aux 1,Aux 2
61	ASME B16.5-2017	法兰 LWN 3"-600# RF B=76.2 FLANGE	1	SA-105N	16.37		T1
件号 PART NO.	图号或标准号 DWG.NO.OR STD.NO.	名称 DESIGNATION	数量 QTY.	材料 MATERIAL	单重 WEIGHT	总重 TOTAL WEIGHT	备注 REMARKS

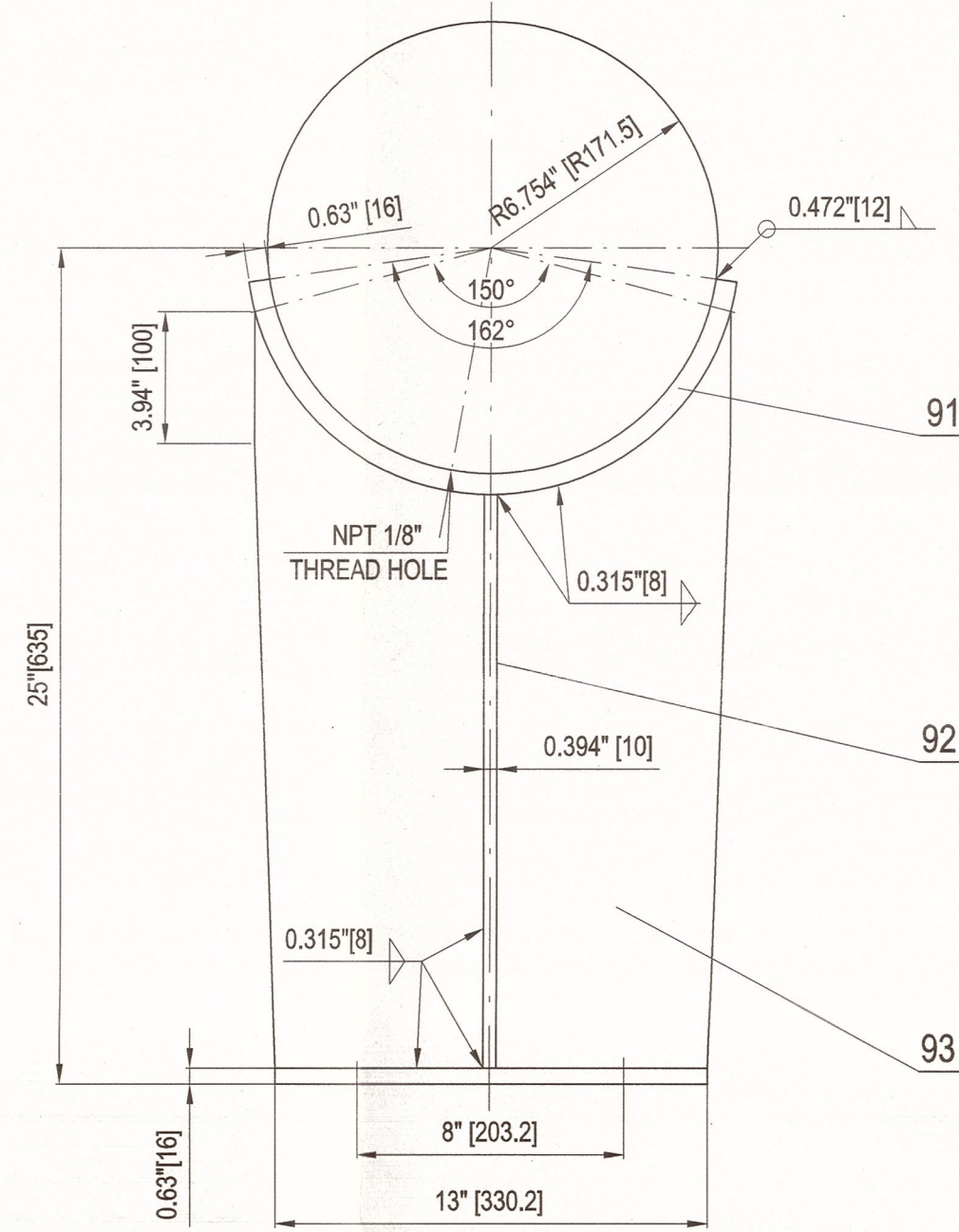
AIR PRODUCTS		FLUOR			
Air Products Project Number	EN207123	Fluor Project Number	A8KM		
Project Name	World Energy Renew Utilities US7L	RFQ No.	A8KM-4-403-RQ		
Purchase Order Number	4505800575	PO/Contract No	A8KM-4-403-PO-6		
Air Products Open Text document number	EN207123-WUXI-SV3-00013	Project Area	Utilities		
Client	WORLD ENERGY PARAMOUNT	Client Doc No:			
04	竣工版/AS BUILT	Hu Wenchao	Shengfang Zhao	Kevin Yang	10-Mar-23
03	供批准/ISSUED FOR APPROVAL	Hu Wenchao	Shengfang Zhao	Kevin Yang	28-Oct-22
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01	供批准/ISSUED FOR APPROVAL	Hu Wenchao	Shengfang Zhao	Kevin Yang	17-Jun-22
版次 REV	版次说明/DESCRIPTION	设计/PREPARED	审核/REVIEWED	批准/APPROVED	日期/DATE

WCE 无锡化工装备股份有限公司 WUXI CHEMICAL EQUIPMENT CO., LTD.		设计项目 DESIGN ITEM	World Energy Renewables Project
设计 PREPARED	胡文超	设计阶段 DESIGN PHASE	详细设计 Detail Design
审核 REVIEWED	张永超	设备位号 ITEM NO.	18-X-1804
批准 APPROVED	张永超	图号 DWG. NO.	WXCE8718-03
比例: 1:6		版次: 04	第 1 页 共 1 页 PAGE 1 OF 1

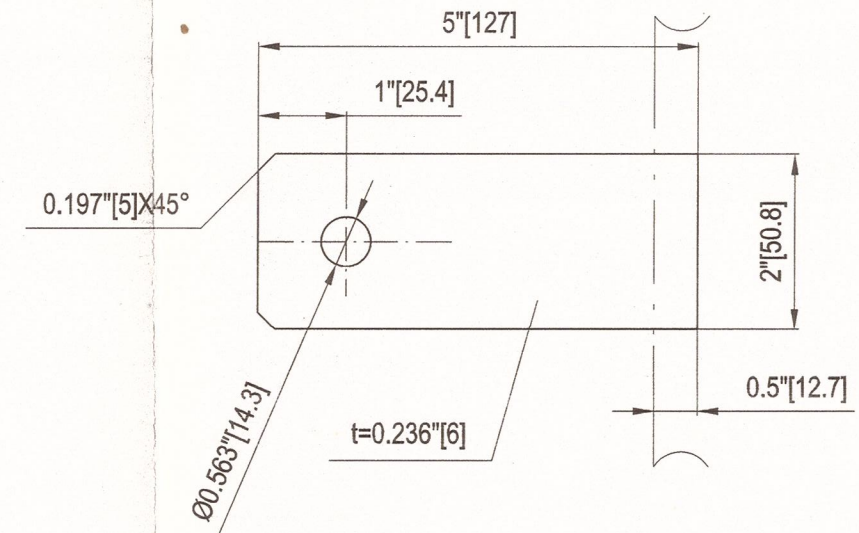


SLIDING SADDLE

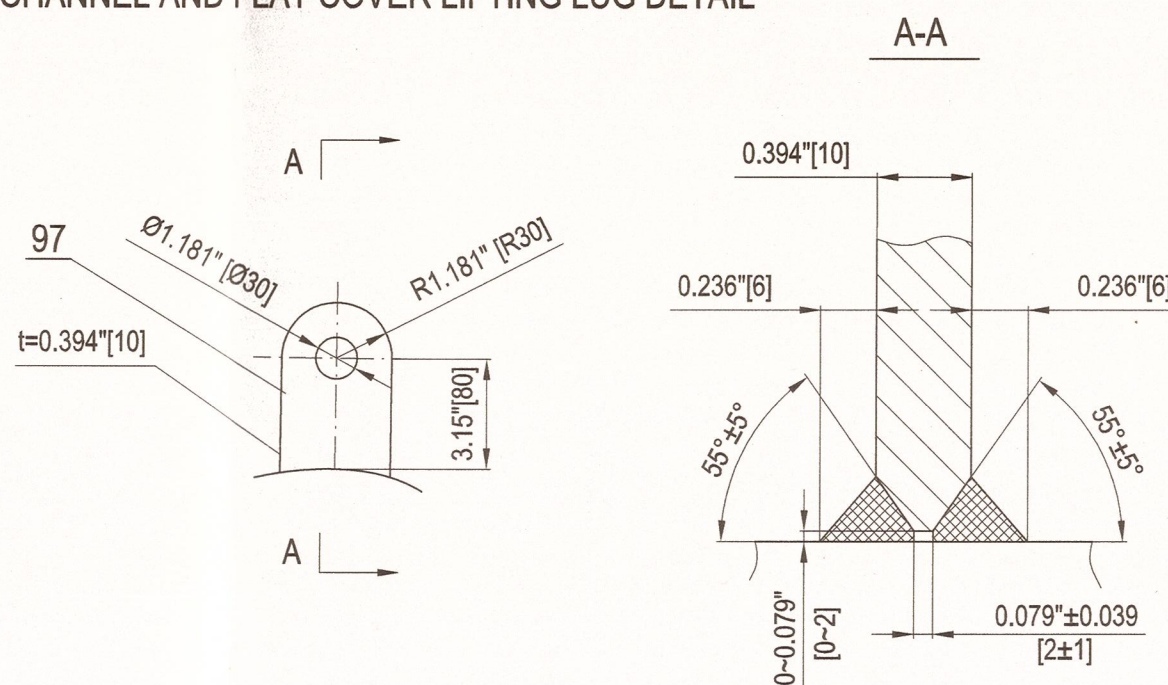
FIXED SADDLE



接地耳详图
EARTHING LUG DETAIL DRAWING



管箱及平盖吊耳详图
CHANNEL AND FLAT COVER LIFTING LUG DETAIL



As Built									
98-102	删除 DELETE								
97	管箱及平盖吊耳吊耳 CHANNEL AND FLAT COVER LIFTING LUG	3	SA-516 Gr.70N	1.0	3.0				
96	接地耳 t=6 EARTHING LUG	2	SA-240 304	0.3	0.6				
95	底板 t=16 BASE PLATE	1	SA-516 Gr.70N		9.1				
94	底板 t=16 BASE PLATE	1	SA-516 Gr.70N		9.1				
93	腹板 t=10 WEB PLATE	2	SA-516 Gr.70N	11.8	23.6				
92	筋板 t=10 RIB PLATE	2	SA-516 Gr.70N	6.5	13				
91	垫板 t=16 WEAR PLATE	2	SA-240 316L	16.5	33.0				
件 号 PART NO.	图号或标准号 DWG.NO.OR STD.NO.	名 称 DESIGNATION	数量 QTY.	材 料 MATERIAL	单重 单重 (kg) WEIGHT	总重 TOTAL WEIGHT	备 注 REMARKS		
AIR PRODUCTS			FLUOR						
Air Products Project Number		EN207123		Fluor Project Number		A8KM			
Project Name		World Energy Renew Utilities US7L		RFQ No.		A8KM-4-403-RQ			
Purchase Order Number		4505600575		PO/Contract No		A8KM-4-403-PO-6			
Air Products Open Text document number		EN207123-WUXI-9V3-00013		Project Area		Utilities			
Client		WORLD ENERGY PARAMOUNT		Client Doc No:					
04	竣工版/AS BUILT	Hu Wenchao	Shengfang Zhao	Kevin Yang	10-Mar-23				
03	供批准/ISSUED FOR APPROVAL	Hu Wenchao	Shengfang Zhao	Kevin Yang	28-Oct-22				
02	供批准/ISSUED FOR APPROVAL	Hu Wenchao	Shengfang Zhao	Kevin Yang	29-Sep-22				
01	供批准/ISSUED FOR APPROVAL	Hu Wenchao	Shengfang Zhao	Kevin Yang	17-Jun-22				
版次 REV.	版次说明/DESCRIPTION		设计/PREPARED	审核/REVIEWED	批准/APPROVED	日期/DATE			
WCE 无锡化工装备股份有限公司 WUXI CHEMICAL EQUIPMENT CO., LTD.						设计项目 DESIGN ITEM World Energy Renewables Project		设计阶段 DESIGN PHASE 详细设计 Detail Design	
设计 PREPARED	胡文超	2023.3.10	T-20002 Recirculating Exchanger			设备位号 ITEM NO.		18-X-1804	
审核 REVIEWED	2023.3.10	SADDLE AND LIFTING LUG DETAIL DRAWING			图号 DWG. NO.		WXCE6718-04		
批准 APPROVED	2023.3.10	比例: SCALE	1:6	版次: REV.	04	第 1 页 共 1 页 PAGE 1 OF 1			