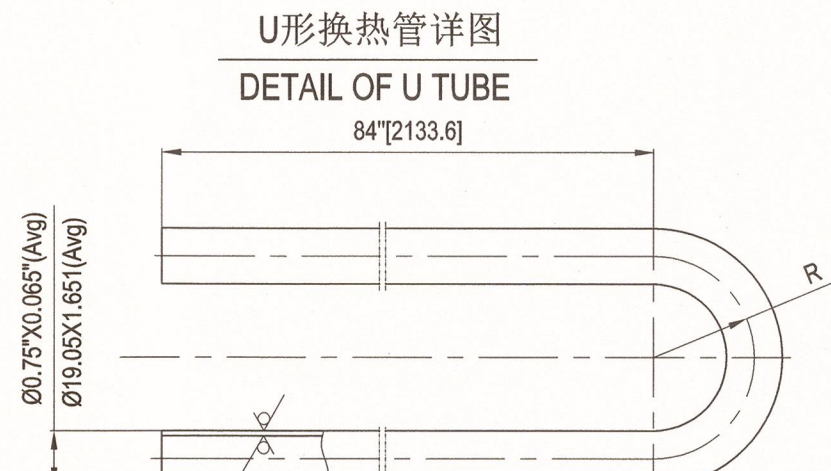
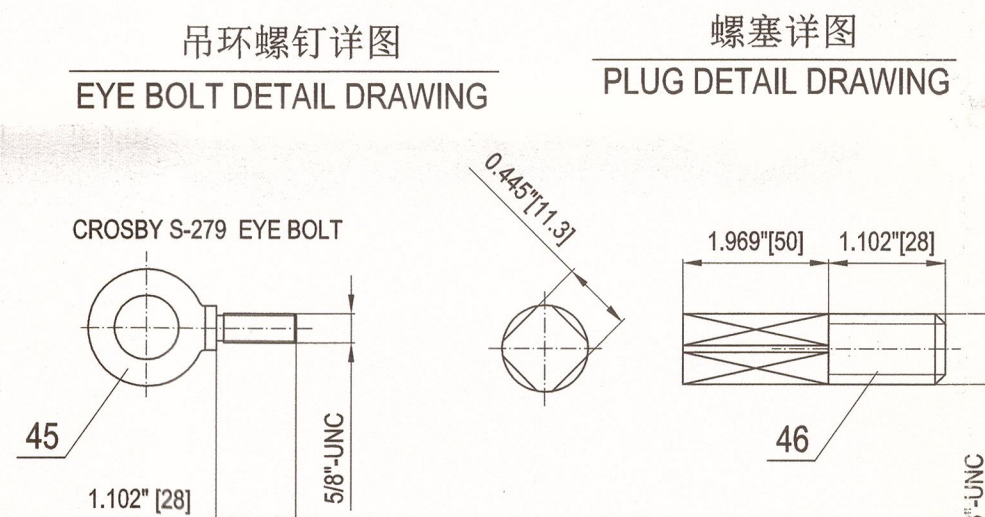
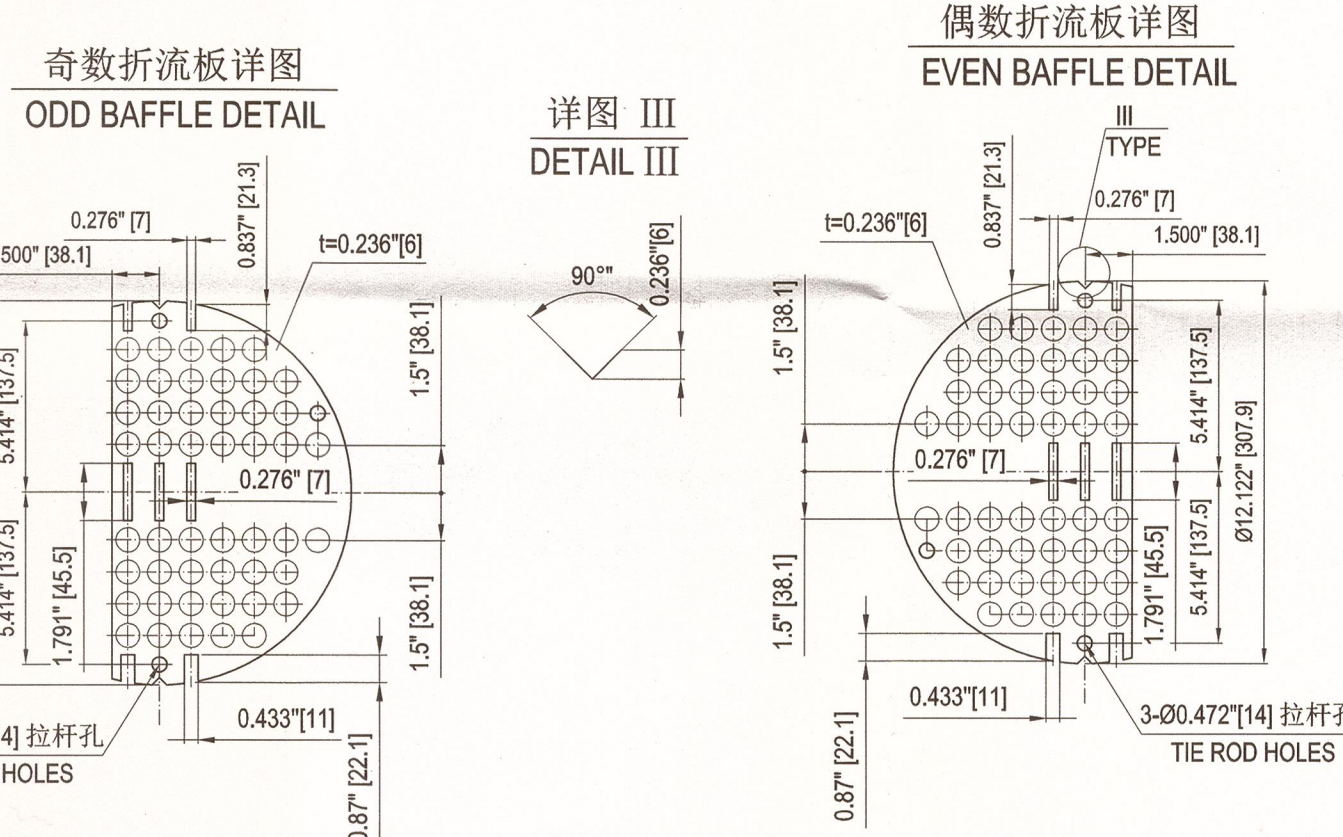
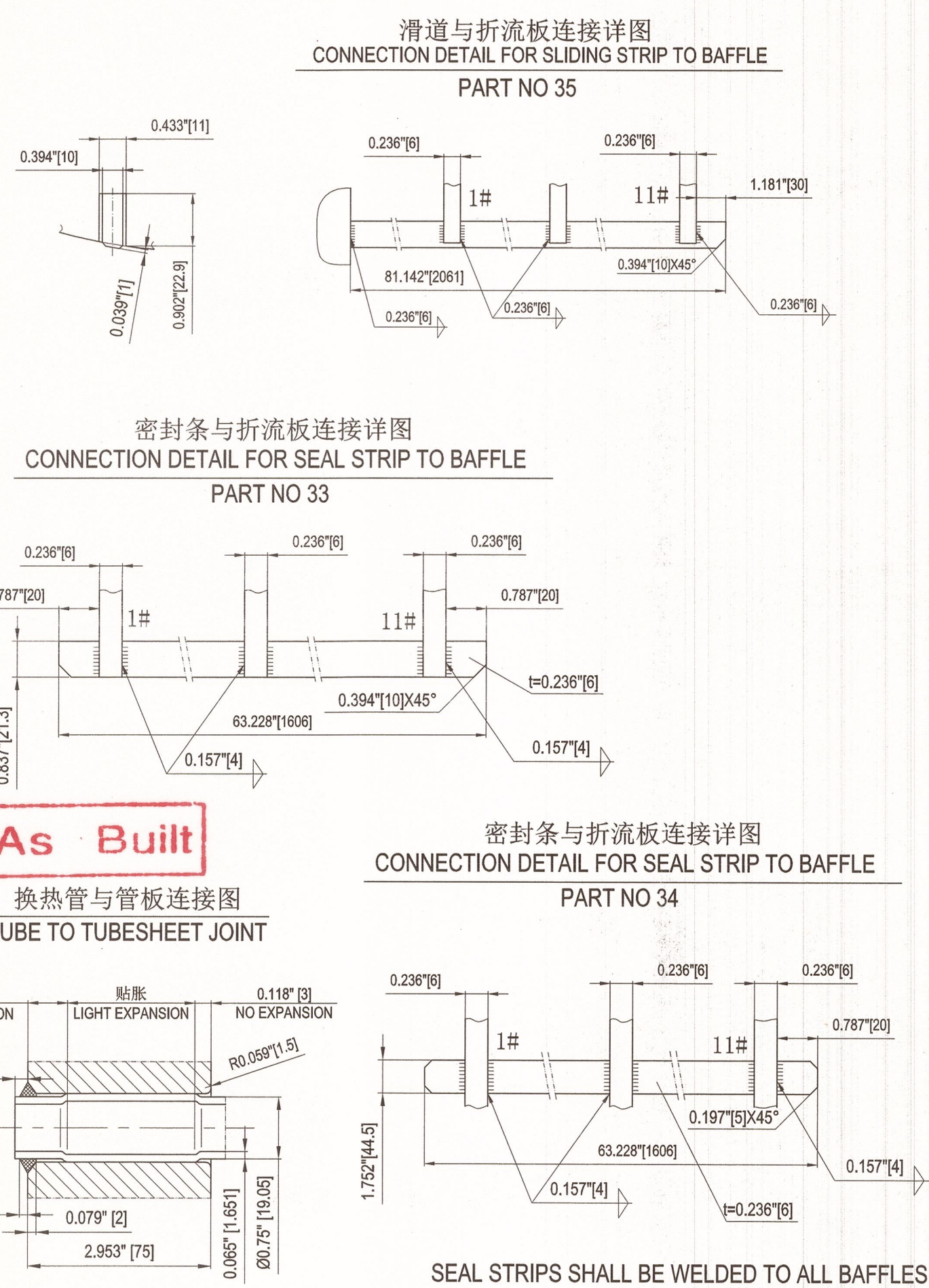
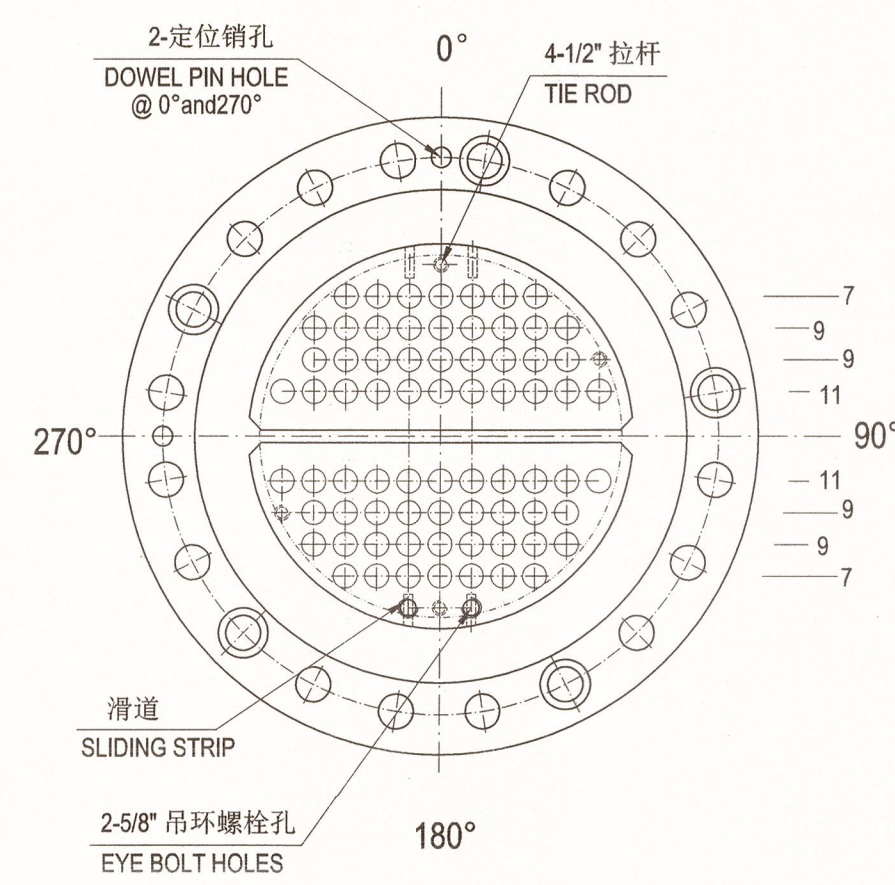


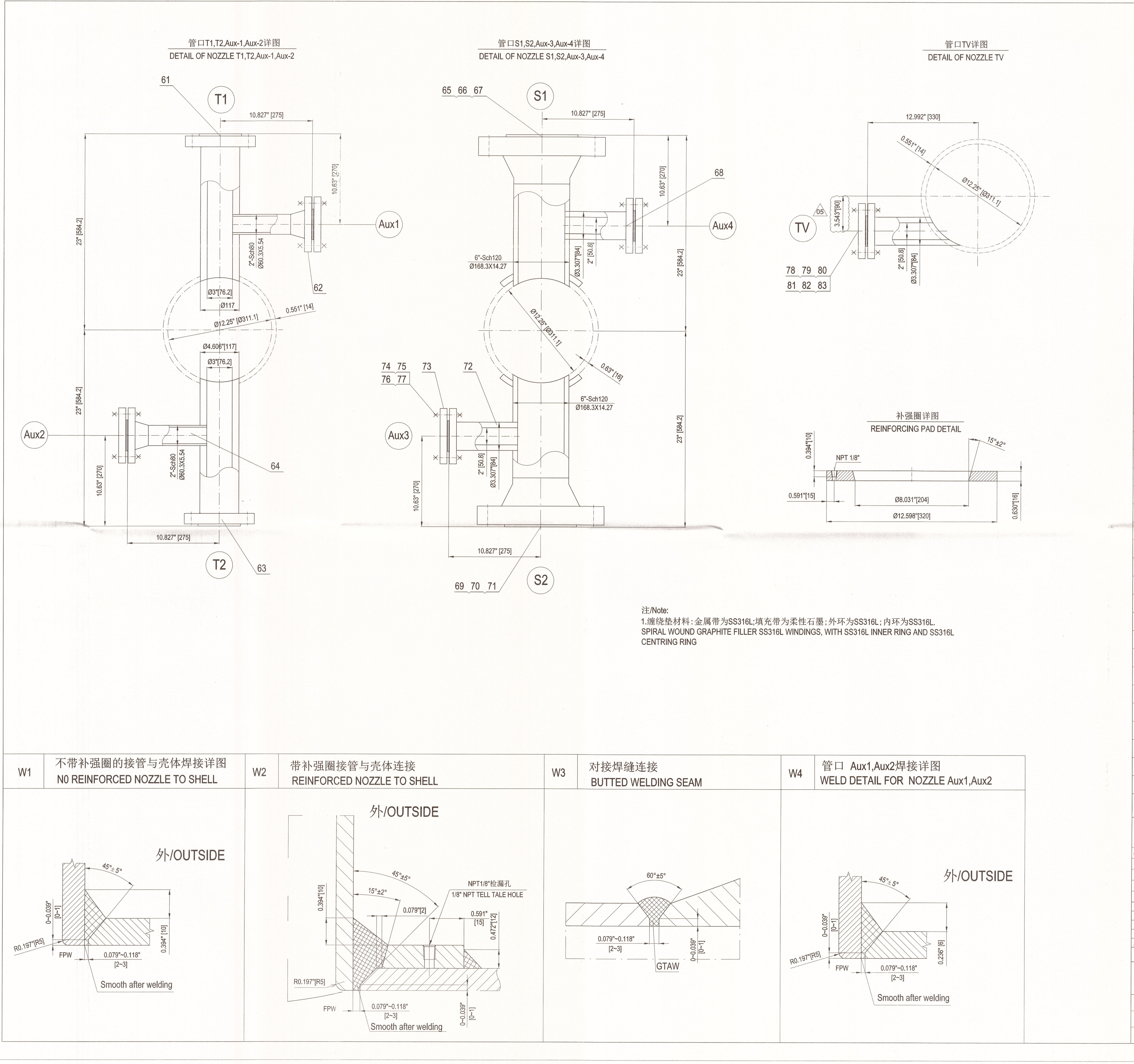


46		螺塞 PLUG	2	SA-182 F60	/	/	
45	CROSBY S-279	吊环螺栓 5/8"-UNC L=28 EYE BOLT	2	SA-182 F60	/	/	
44		定距管 Ø19.05×1.651 L=455 SPACER	3	SA-213 TP316L	0.3	0.9	
43		拉杆 Ø13 L=2085 TIE ROD	3	SA-479 316L	4.8	14.4	
42	ASME B18.2.2-2022	六角螺母 1/2" HEX NUT	8	SA-194 8	/	/	
41		拉杆 Ø13 L=1929 TIE ROD	1	SA-479 316L		4.5	
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	

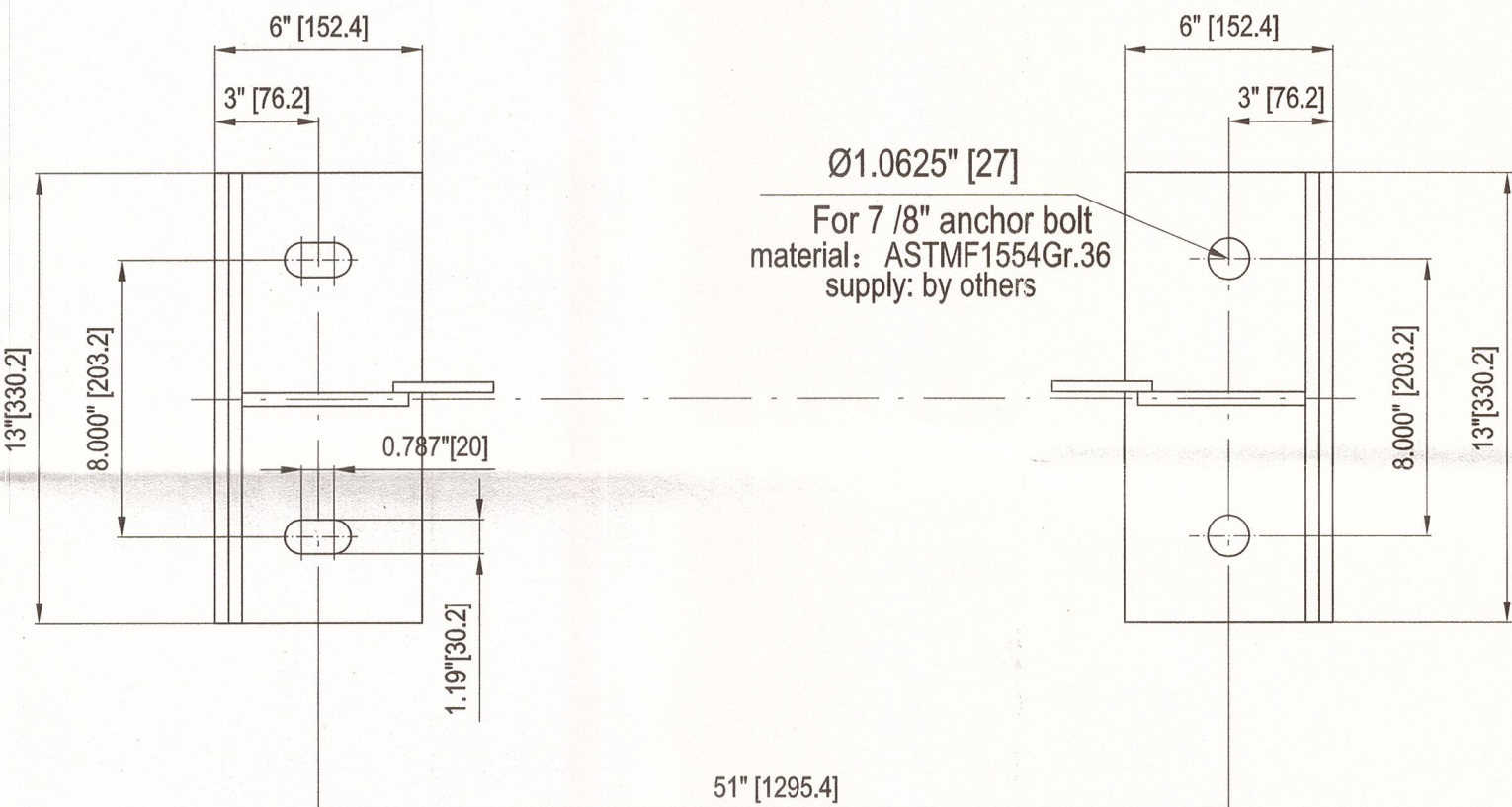
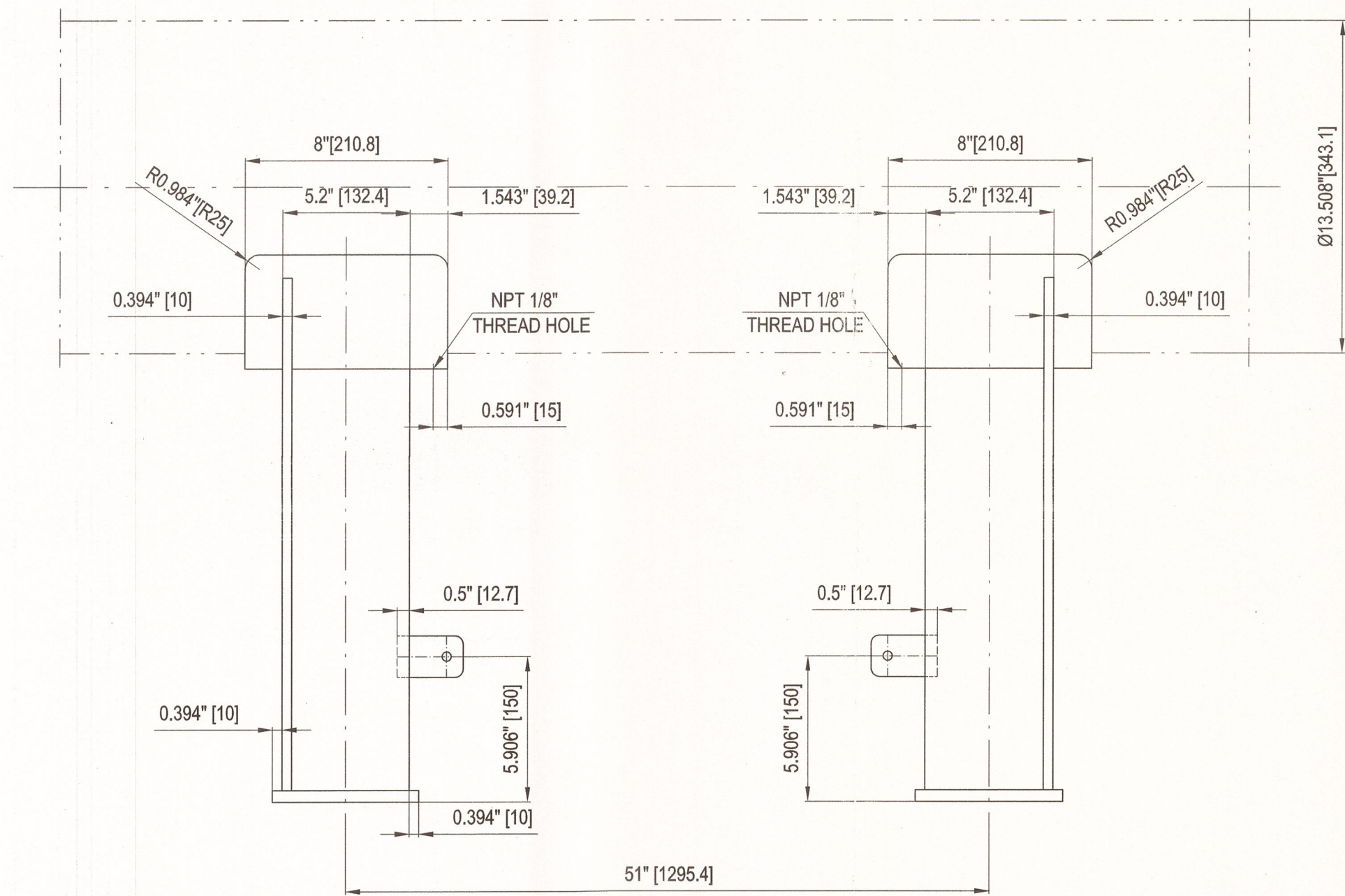
件 号 PART NO.	图号或标准号 DWG.NO.OR STD.NO.	名 称 DESIGNATION	数 量 QTY.	材 料 MATERIAL	单 位	备 注
					单 位 TOTAL 重量 (kg) WEIGHT	REMARKS
						
Air Products Project Number		EN207123	Fluor Project Number		A8KM	
Project Name		World Energy Renew Utilities US7L	RFQ No.		A8KM4-403-RQ	
Purchase Order Number		4505600575	PO/Contract No		A8KM4-403-PO-6	
Air Products Open Text document number		EN207123-WUXJ-93-00014	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

U型换热管数据表/DATA TABLES OF U TUBES							
序号 ITEM.	直管段(Lmm) STRAIGHT LENGTH	弯曲半径(Rmm) BENDING R(rmm)	换热管展开长度 TUBE LENGTH (mm)	管数 QTY.	单重(t/g) UNIT WEIGHT	总重(Kg) TOTAL WEIGHT	固溶退火处理 SOLUTION & WEAIRING
	84.000" [2133.6]	1.5" [38.1]	172.71" [4386.8]	11	3.1	34.0	YES/要
2	84.000" [2133.6]	2.95" [75.3]	175.85" [4469.7]	9	3.2	28.3	YES/要
3	84.000" [2133.6]	3.5" [88.9]	178.99" [4546.5]	9	3.2	28.8	YES/要
4	84.000" [2133.6]	4.5" [114.3]	182.14" [4626.3]	7	3.3	22.8	YES/要

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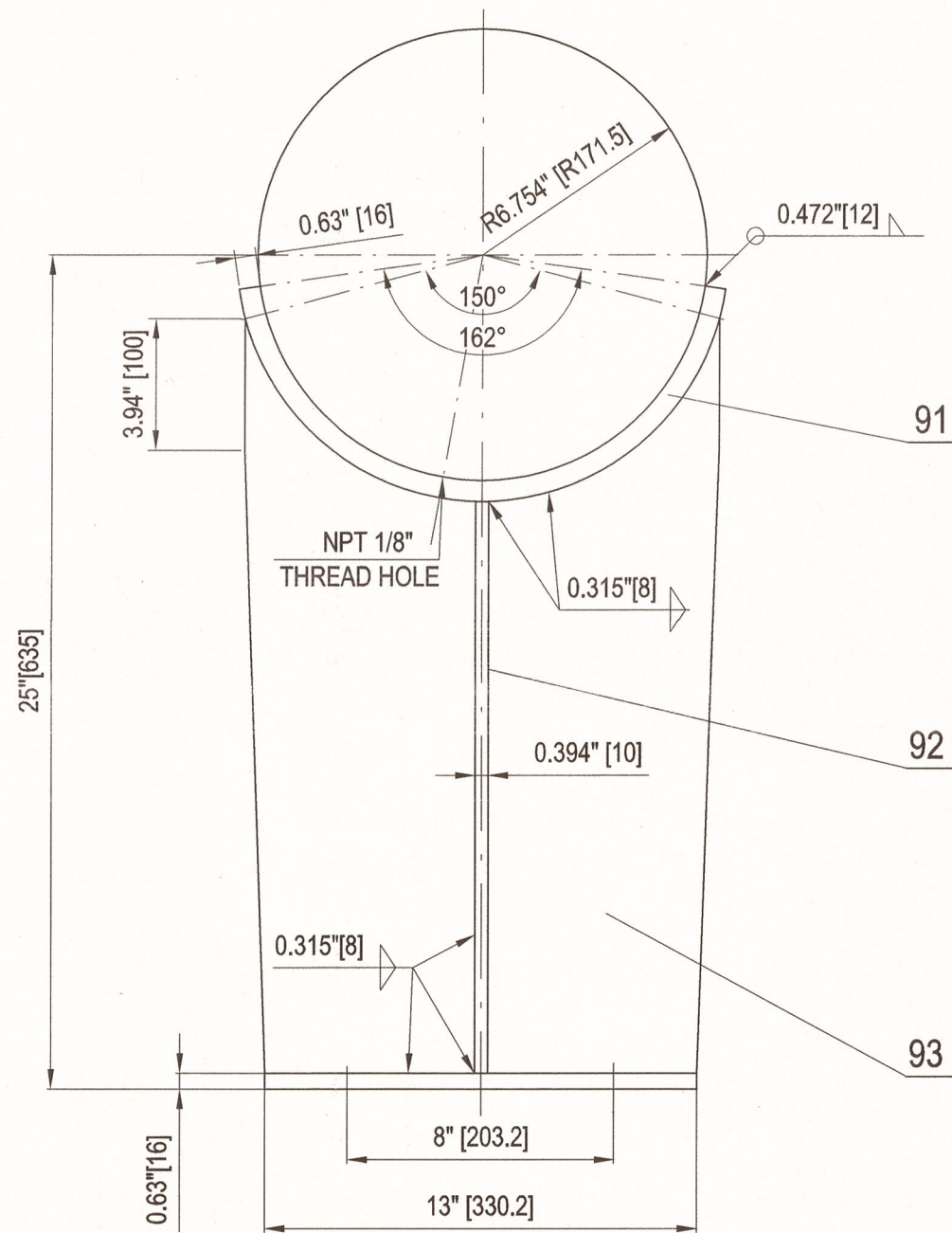
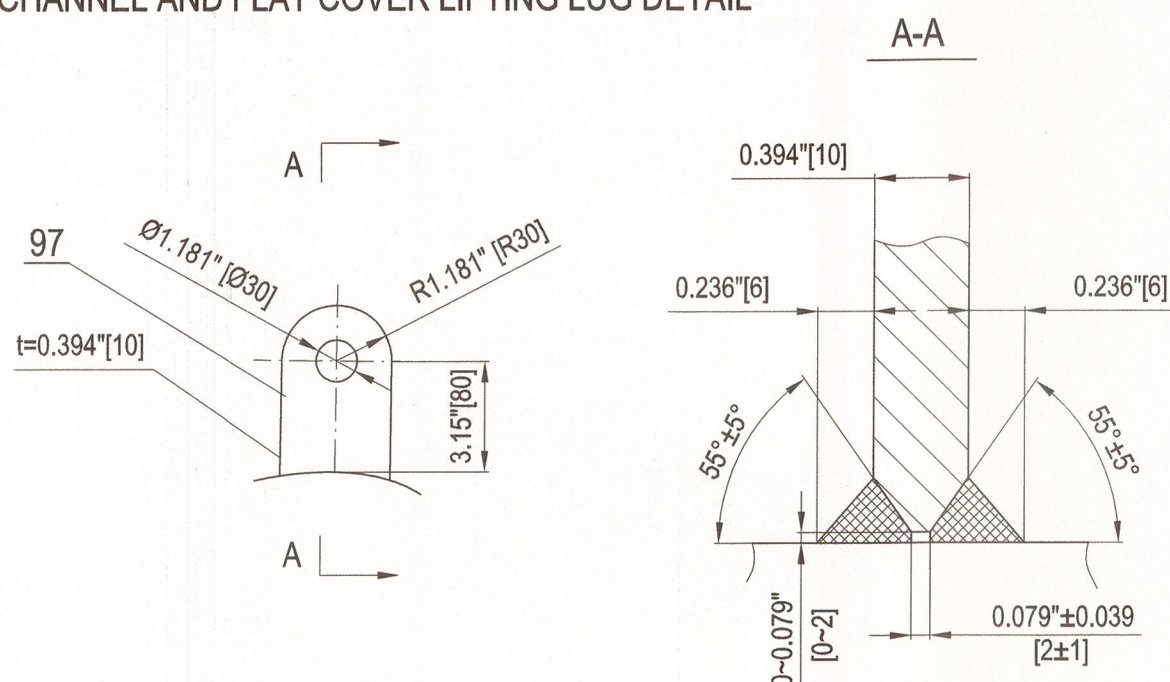
As Built									
83	ASME PCC 1-2019 APPENDIX M	垫圈 5/8" WASHER	48+6	TYPE 4	0.08	4.8	Aux1,Aux2,TV		
82	ASME B16.20-2017	缠绕垫 2"-300# RF SPIRAL WOUND GASKET	3+6	见注1 SEE NOTE 1	/	/	Aux1,Aux2,TV		
81	ASME B18.2.2-2022	重型六角螺母 5/8"-11UNC-2B HEAVY HEX NUT	96+12	SA-194 2H	0.1	9.6	Aux1,Aux2,TV		
80	ASME B18.2.1-2012 (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 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 Ø60.3X5.54 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 重量 (kg)	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-9V3-00014		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 DESIGN ITEM			T-20003 Redirculating Exchanger			World Energy Renewables Project			
审核 REVIEWED			NOZZLE DETAIL DRAWING			详细设计 Detail Design			
批准 APPROVED									
图号 DWG. NO.			比例: 1:6			设备位号 ITEM NO.			
版次 REV.			SCALE			图号 WXCE6719-03			
			版次: 04			第 1 页 共 1 页 PAGE 1 OF 1			



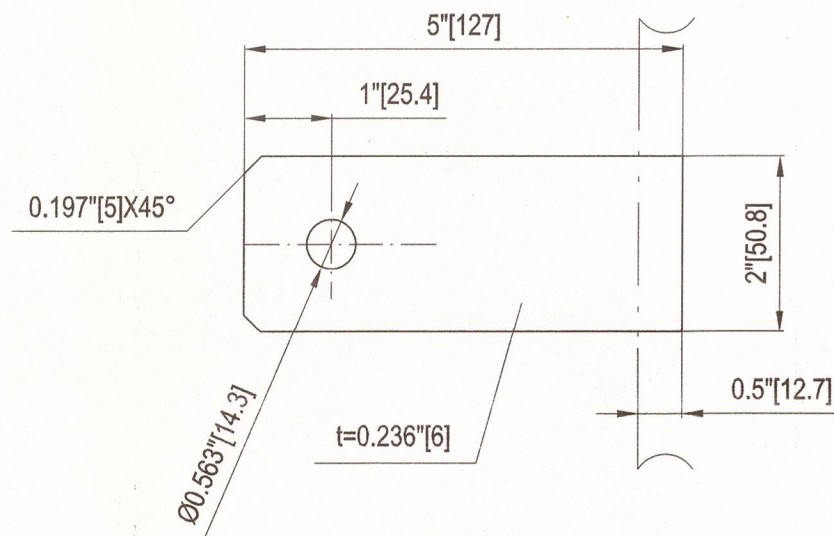
SLIDING SADDLE

FIXED SADDLE

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



接地耳详图
EARTHING LUG DETAIL DRAWING



As Built

98~102	删除 DELETE						
97	管箱及平盖吊耳 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 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-9V3-00014		Project Area		Utilities	
Client		WORLD ENERGY PARAMOUNT					
Client Doc No:							
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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	2023.3.10	T-20003 Recirculating Exchanger	设计阶段 DESIGN PHASE	详细设计 Detail Design
审核 REVIEWED	孙永超	2023.3.10	SADDLE AND LIFTING LUG DETAIL DRAWING	设备位号 ITEM NO.	18-X-1805
批准 APPROVED	孙永超	2023.2.20	比 例: SCALE	图 号 DWG. NO.	WXCE6719-04
			1:6	版 次: REV.	04
				第 1 页 共 1 页 PAGE 1 OF 1	