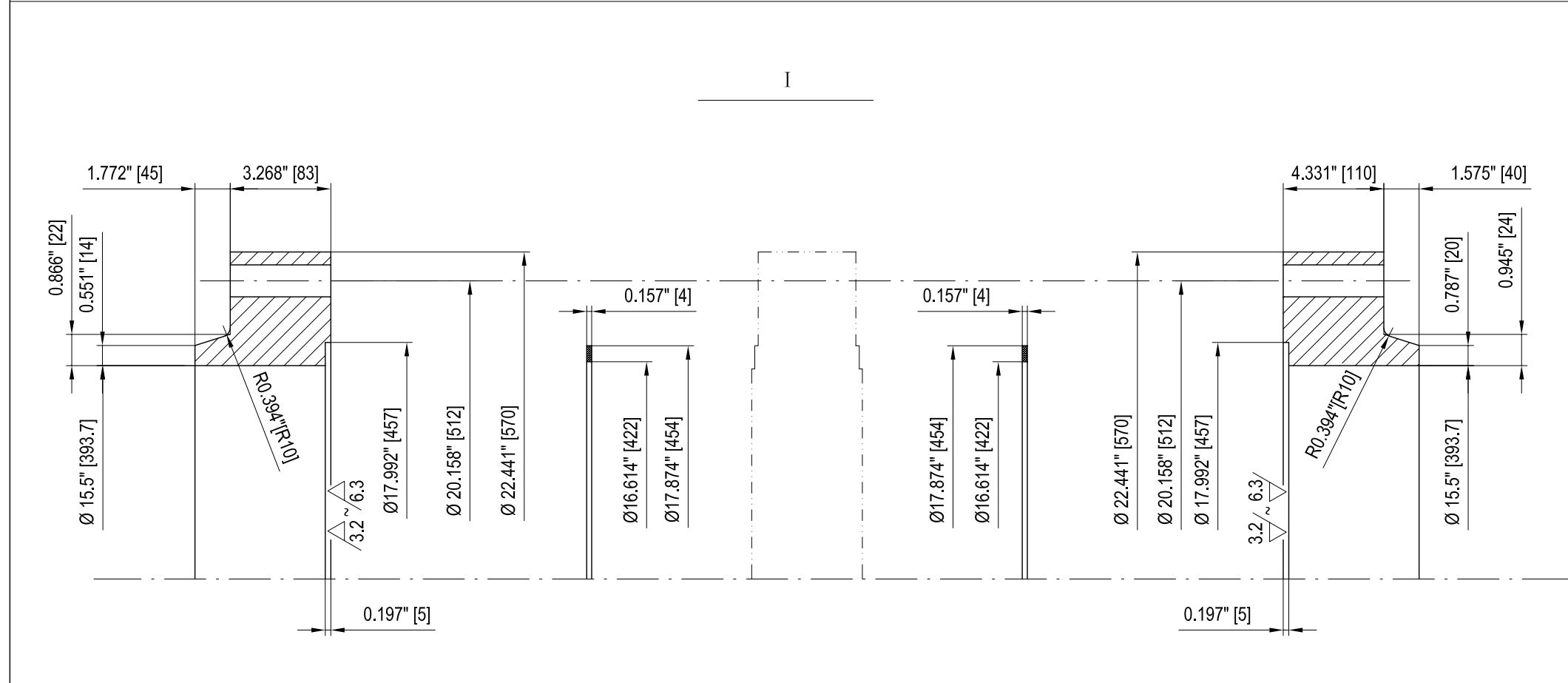
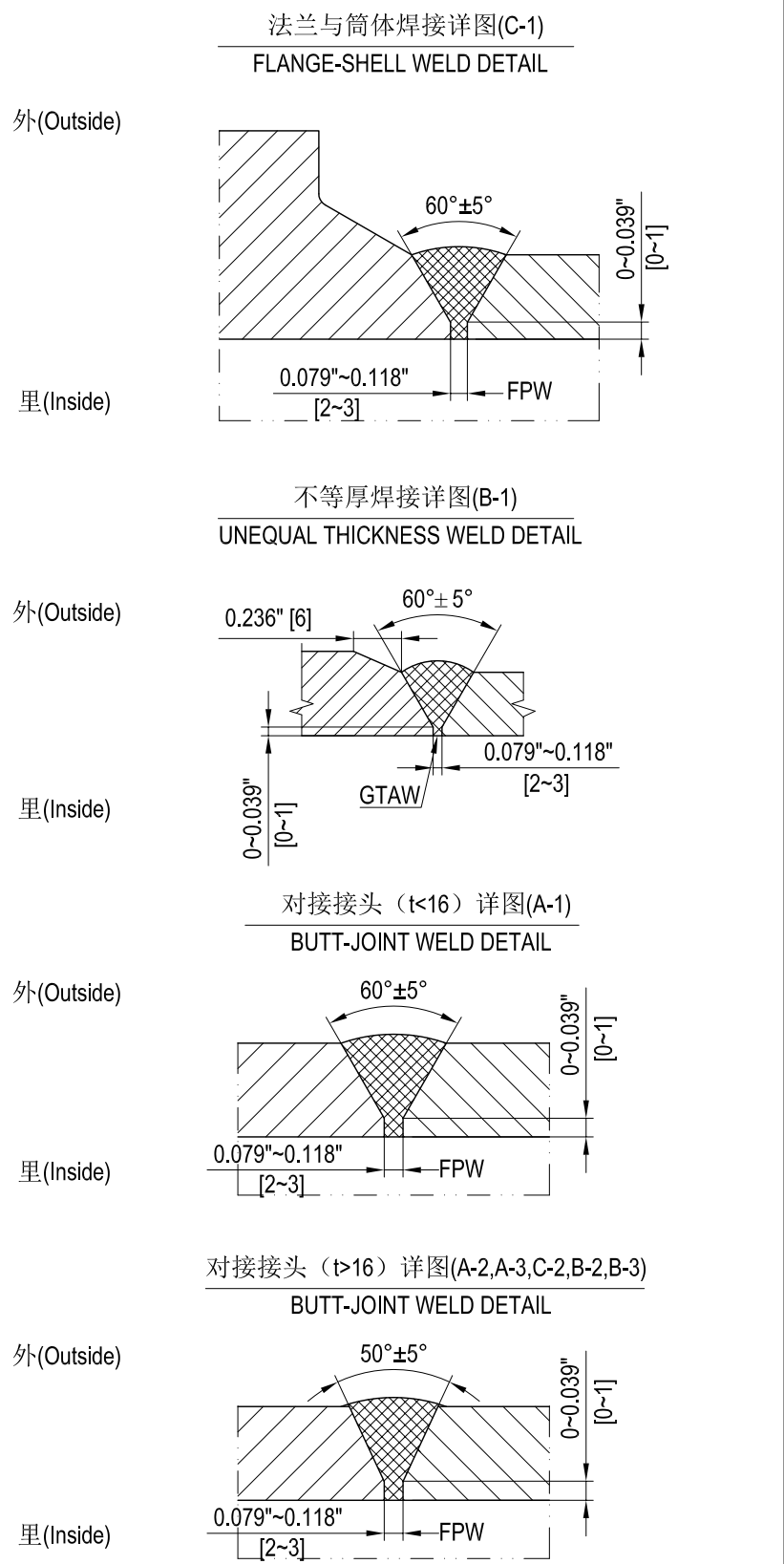
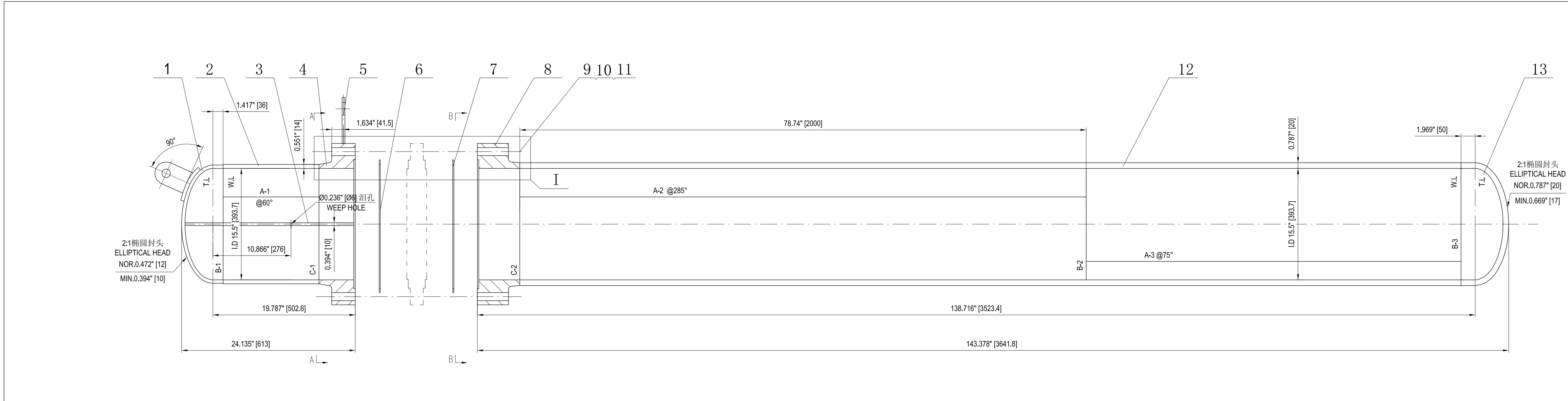
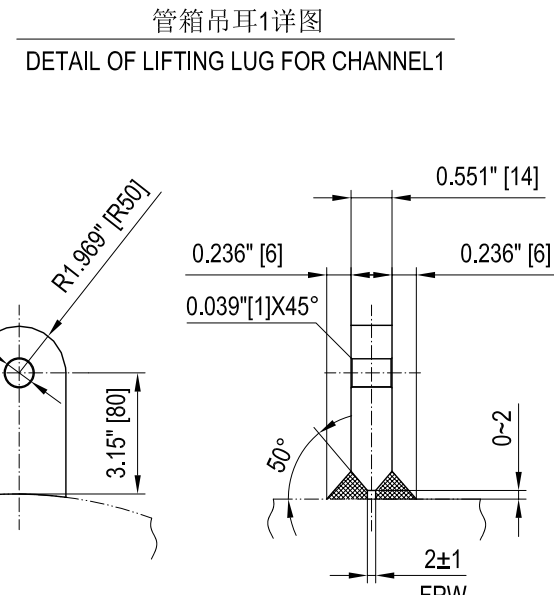
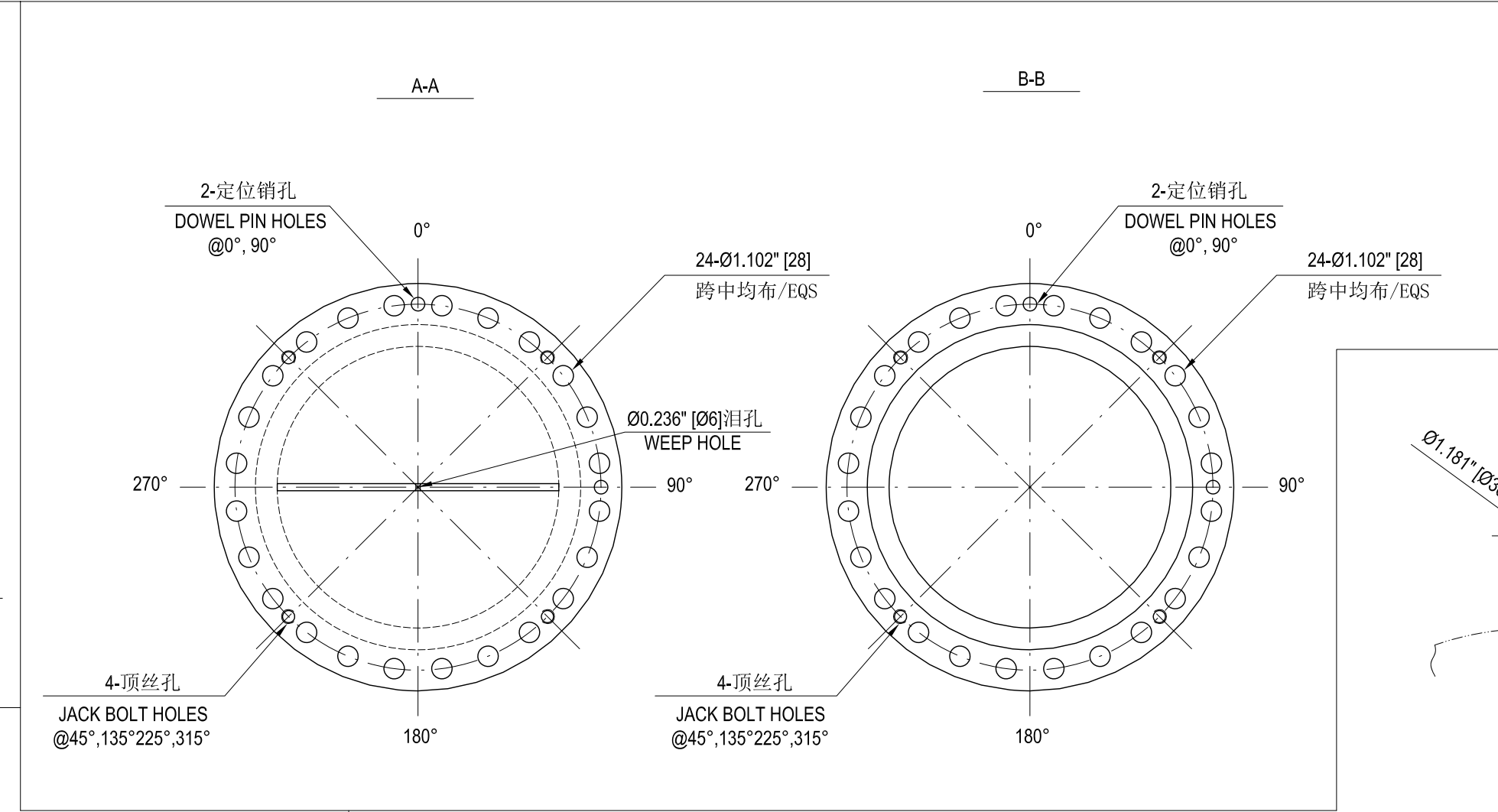
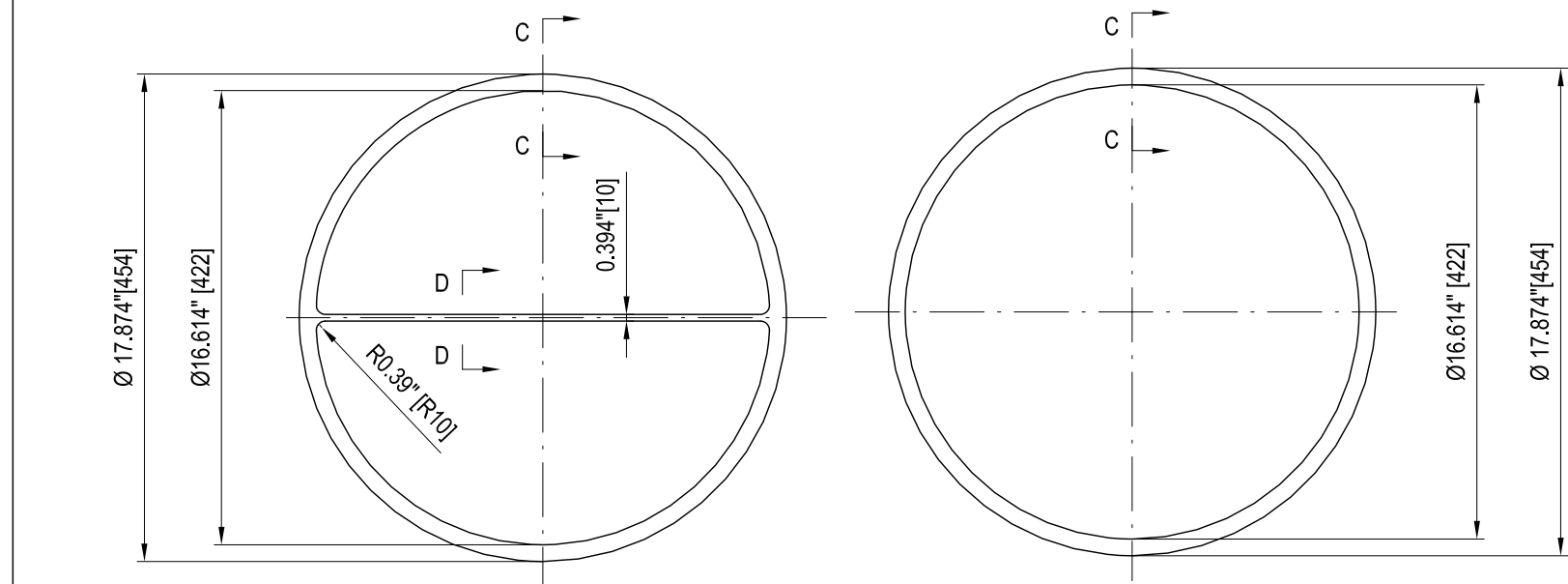


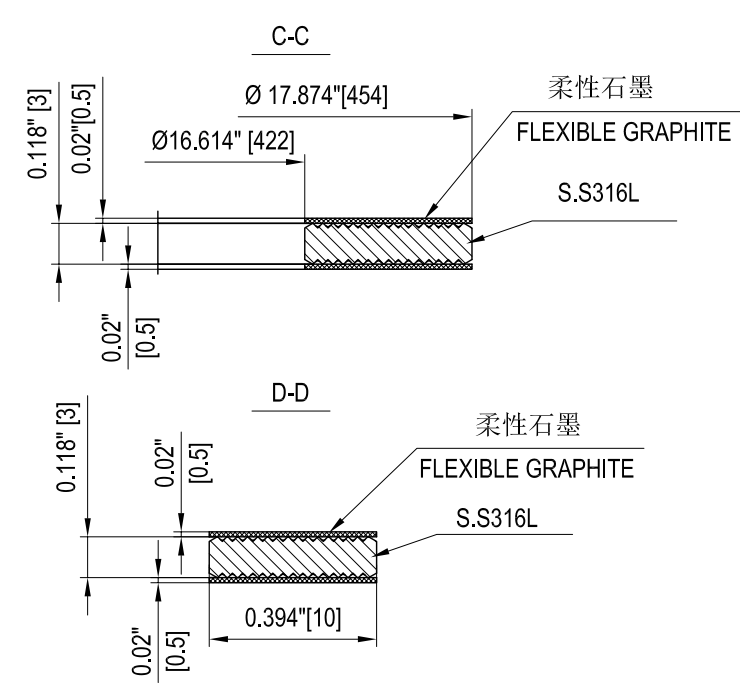


管箱垫片详图
DETAIL OF CHANNEL GASKET

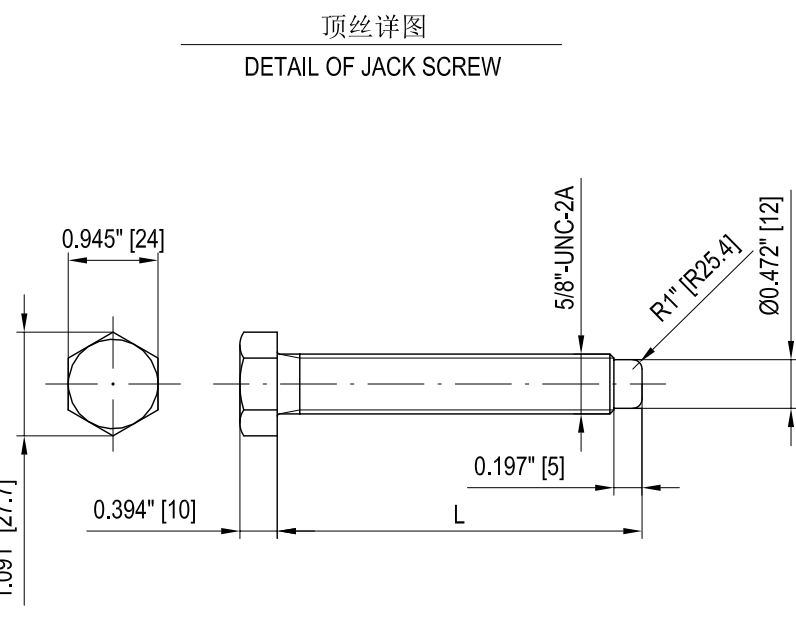
壳体垫片详图
DETAIL OF SHELL GASKET



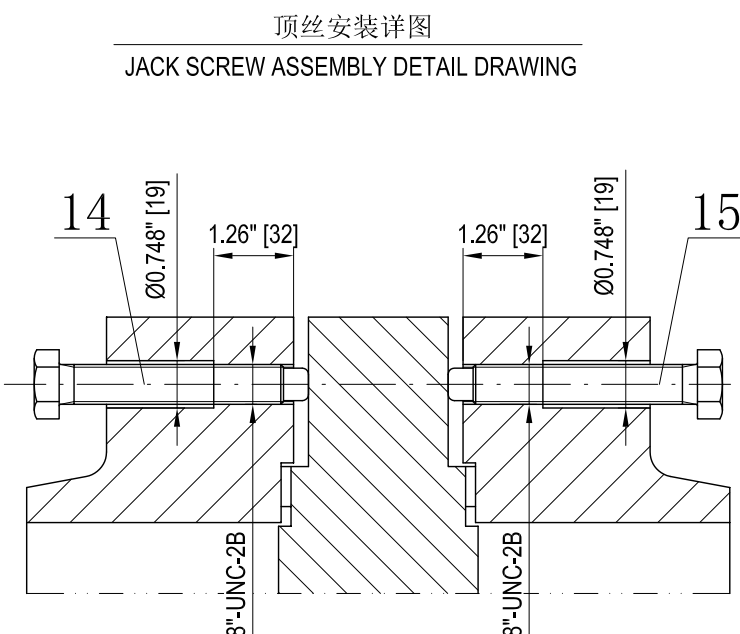
管箱吊耳1详图
DETAIL OF LIFTING LUG FOR CHANNEL 1



锁止螺栓安装详图
LOCKING BOLT ASSEMBLY DETAIL DRAWING

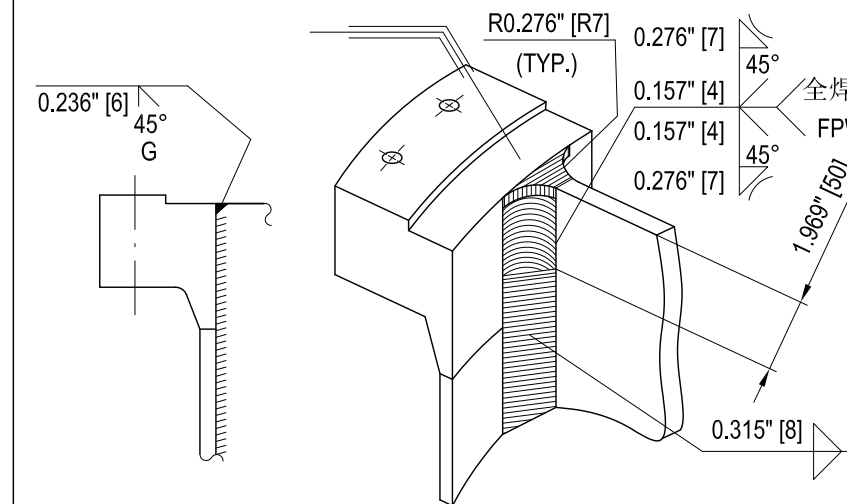


顶丝详图
DETAIL OF JACK SCREW

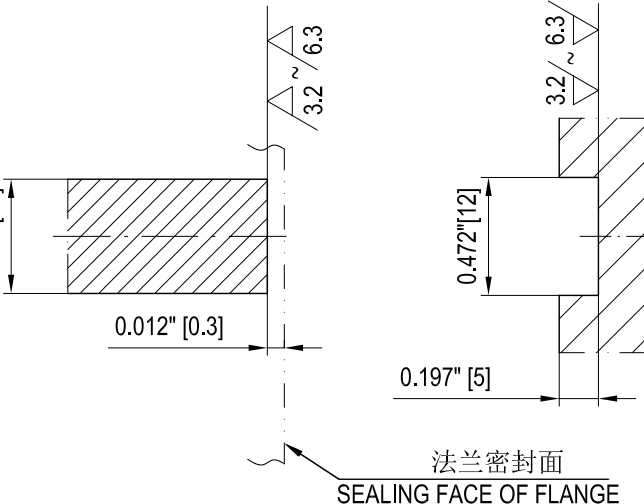


顶丝安装详图
JACK SCREW ASSEMBLY DETAIL DRAWING

分程隔板焊接详图
DETAIL DRAWING WELDING OF PASS PARTITION

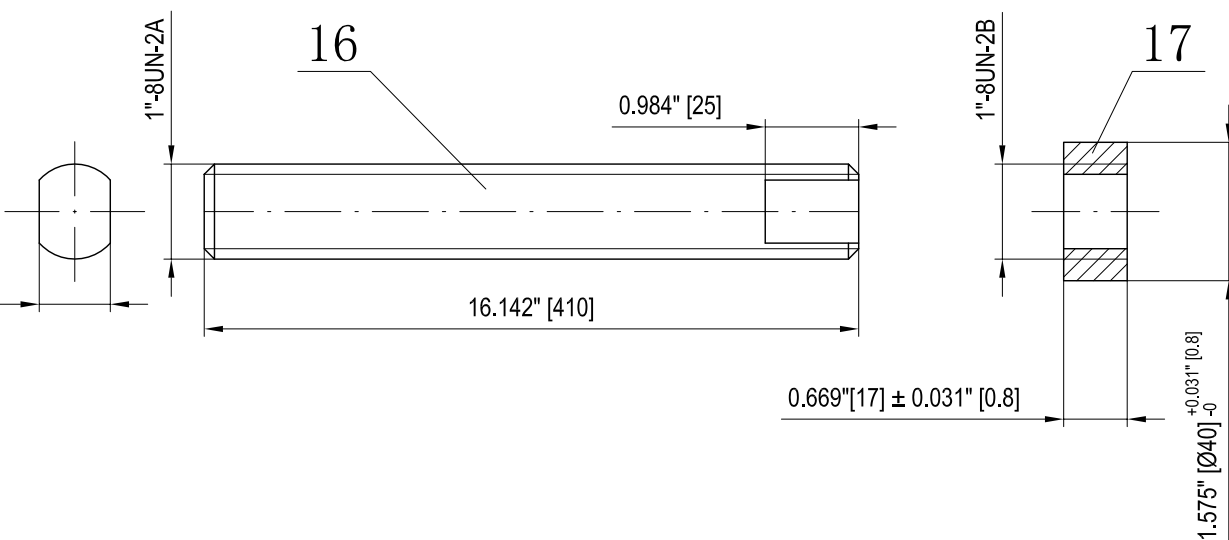


分程隔板端部详图
DETAIL OF PASS PARTITION PLATE END

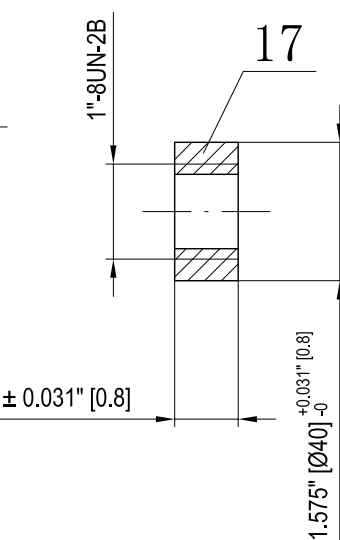


法兰密封面
SEALING FACE OF FLANGE

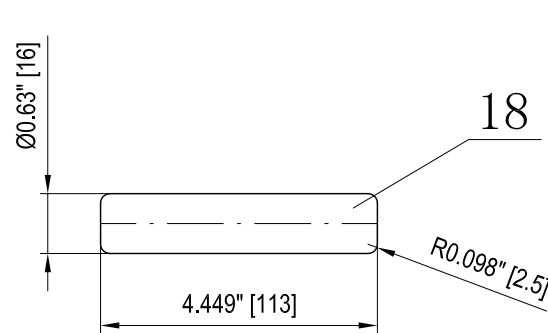
锁止螺栓详图
LOCKING BOLT DETAIL DRAWING



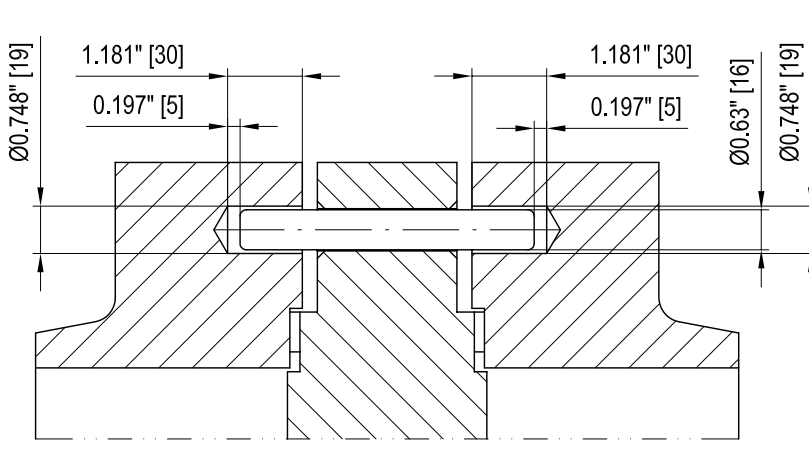
螺纹肩详图
THREAD COLLAR DETAIL DRAWING



定位销详图
DETAIL OF DOWEL PIN



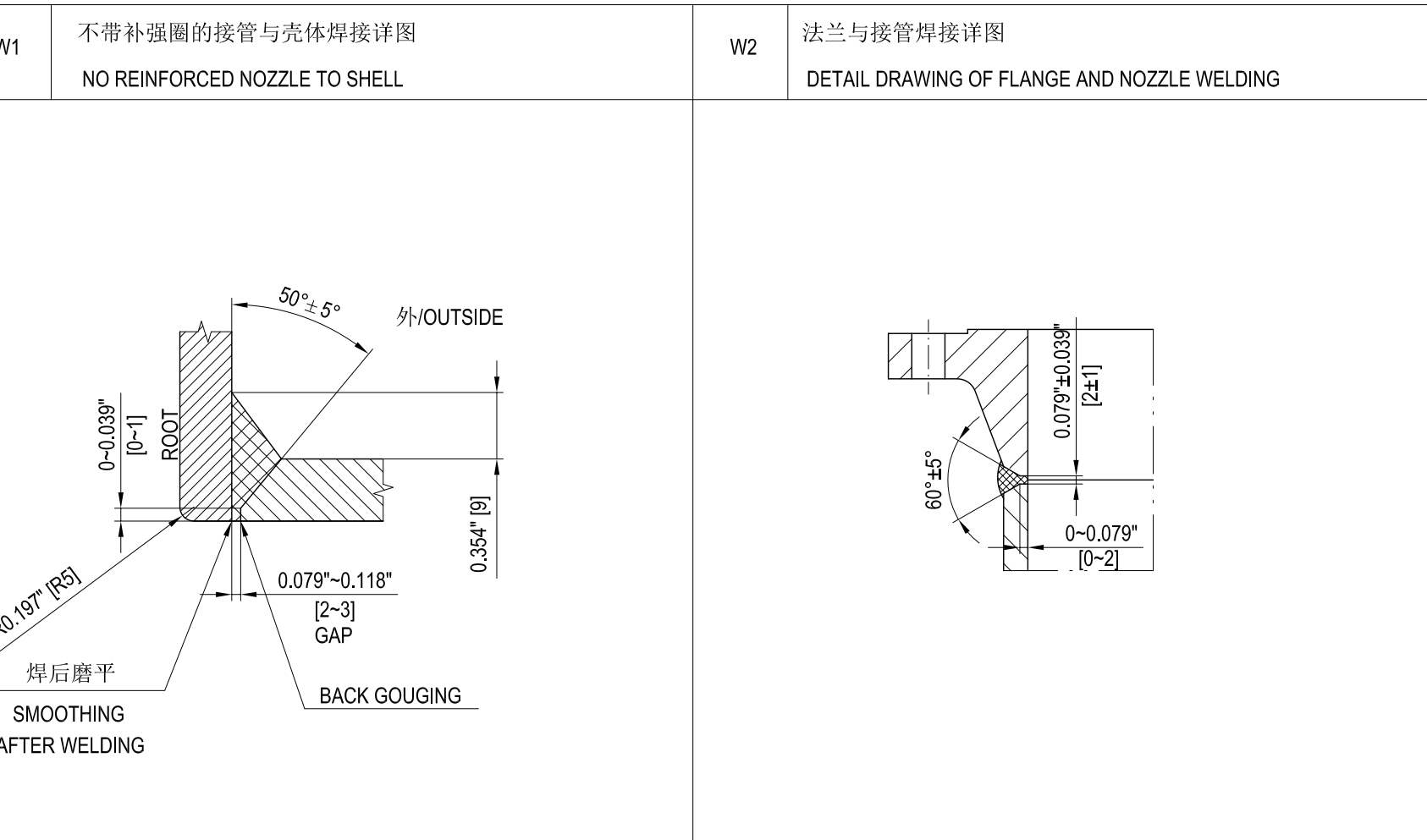
定位销安装详图
SETTING DETAIL OF DOWEL PIN



注:NOTE:
1.垫片为KAMMPROFILE(或FLEXITALLIC 或LAMONS)制作垫片,由3mm厚SS316L金属板和上下两层0.5mm厚的石墨组成:
THE GASKET IS KAMMPROFILE(EITHER FLEXITALLIC OR LAMONS MAKE): THICKNESS OF PERIPHERAL GASKETS SHALL
BE 3mm+0.5mm+0.5mm GRAPHITE LAYERS IN BOTH SIDES. SERRATED METAL MATERIAL IS SS316L.
2.垫片系数:
GASKET FACTORY IS m=4.25,y=10100 psi.

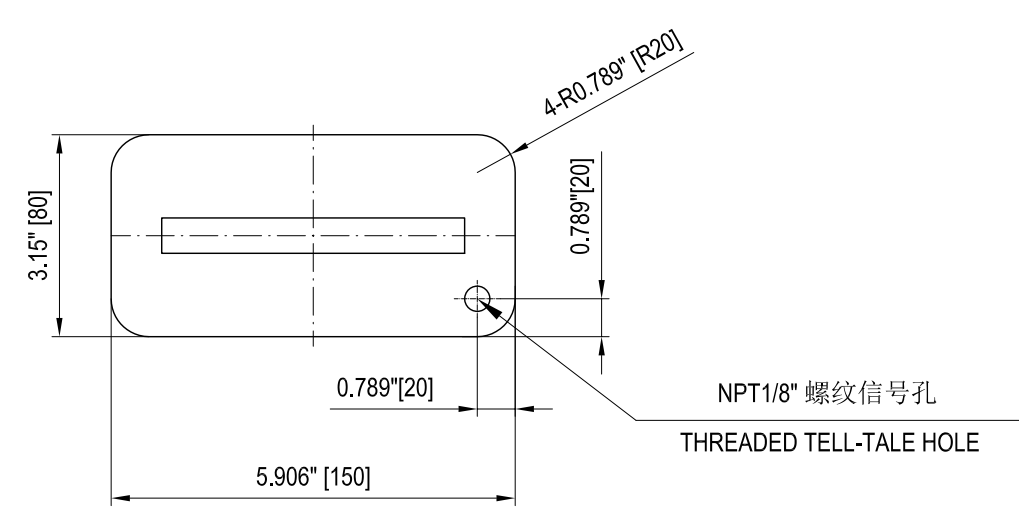
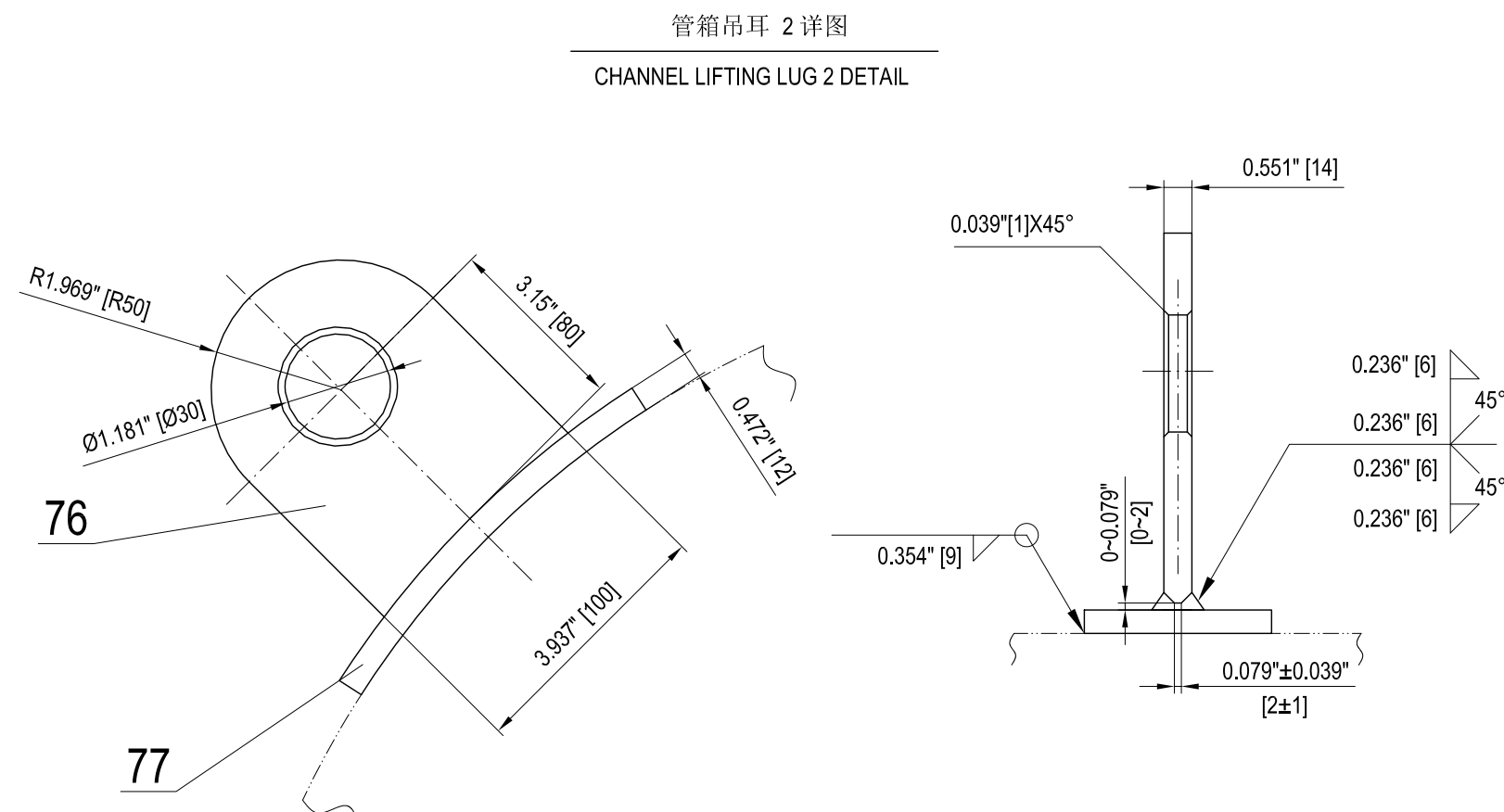
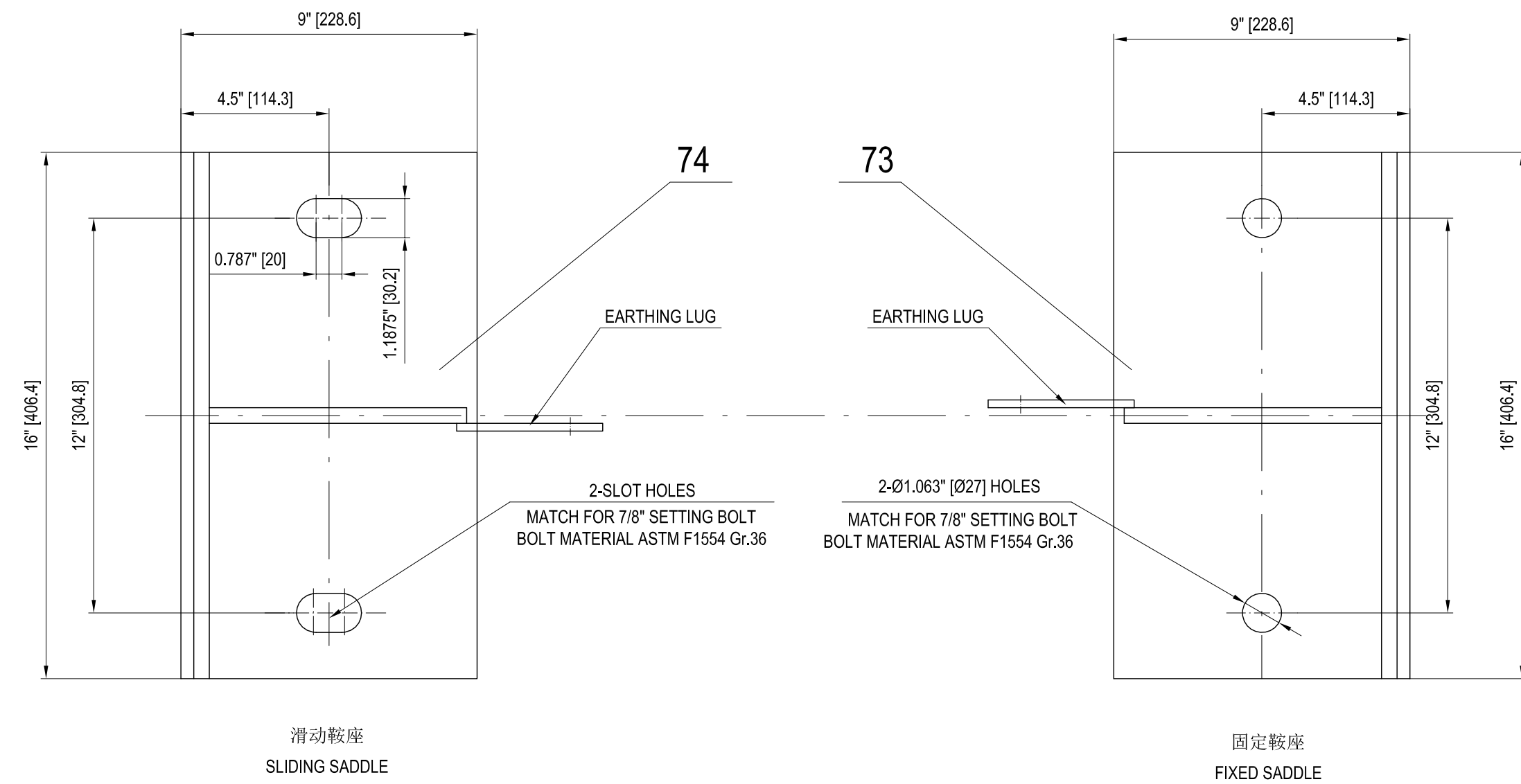
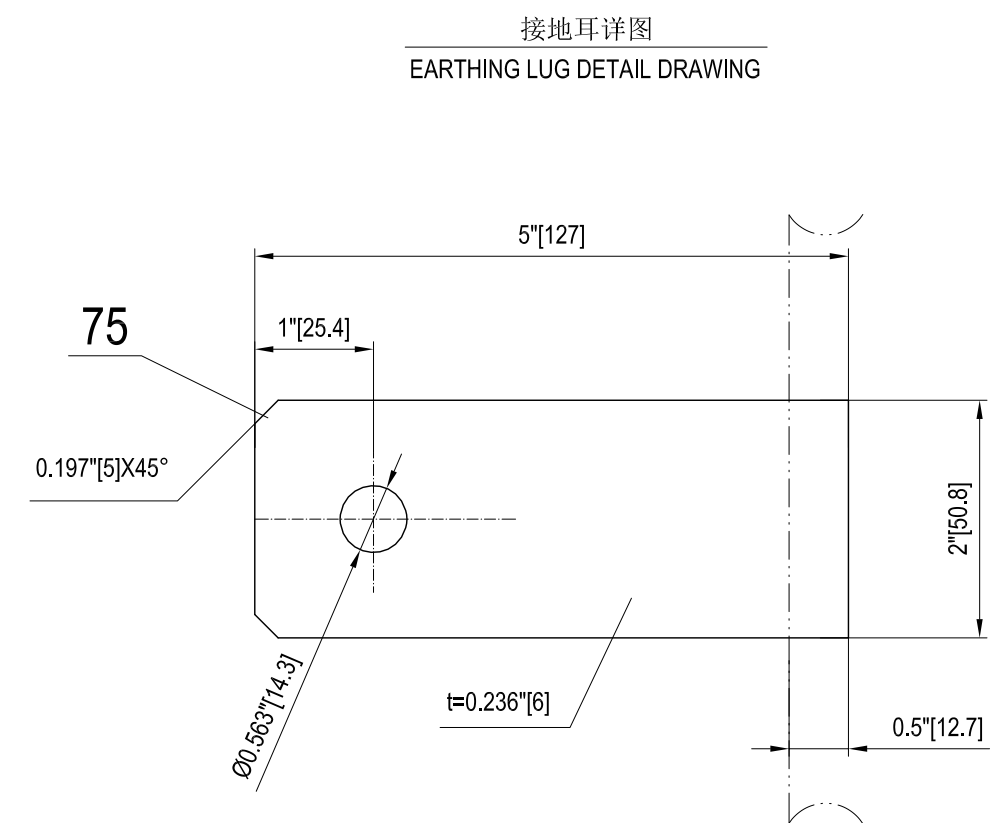
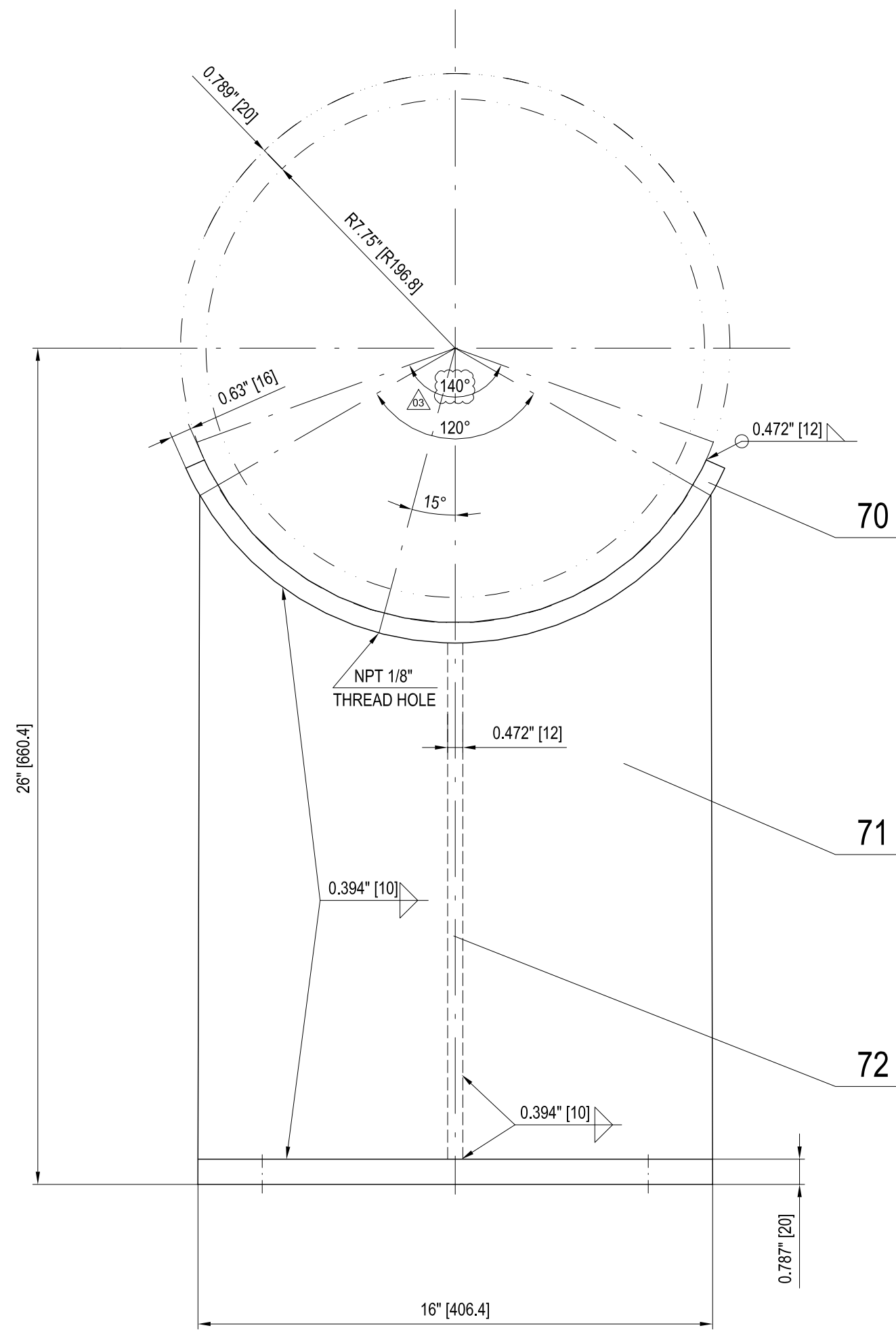
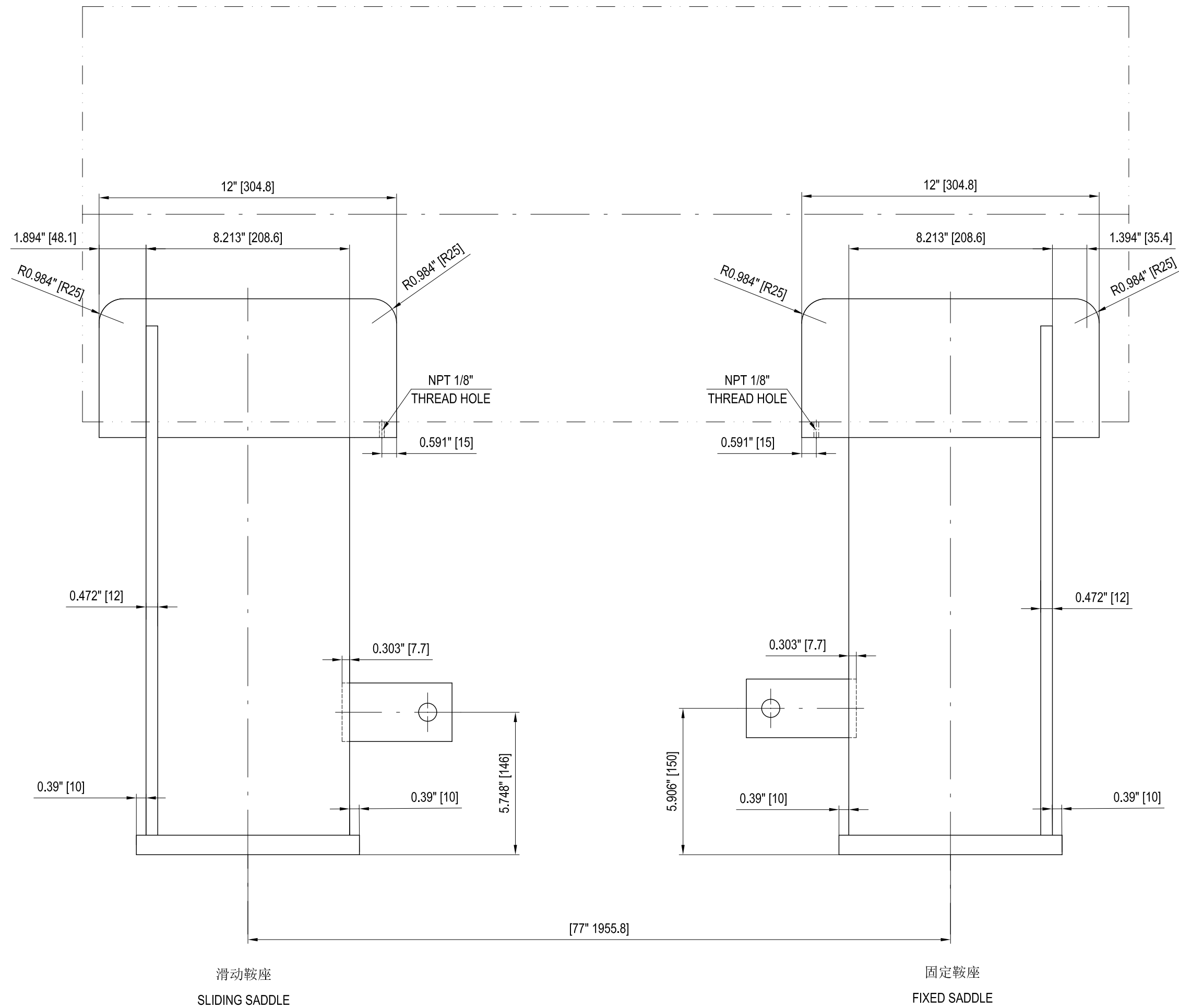
18		定位销 Ø16 L=113 DOWEL PIN	2	SS.304	/	/
17		螺纹肩 THREAD COLLAR	6+2	SA-194 2H	0.1	0.6
16		锁止螺栓 LOCKING BOLT	6+2	SA-193 B7	1.3	8.1
15		顶丝 L=130 JACK BOLT	4	SS.304	/	/
14		顶丝 L=100 JACK BOLT	4	SS.304	/	/
13		2:1 椭圆封头 ID 393.7X20 (17) 2:1 ELLIPTICAL HEAD	1	SA-240 316L	39.8	S-F=50
12		筒体 393.7×20 L=3323.4 SHELL	1	SA-240 316L	678	
11	ASME PCC-1-2019 APPENDIX M	垫圈 1\" WASHER	48+8	TYPE 4	/	/
10	ASME B18.2.2-2022	重型六角螺母 1\" HEAVY HEX HEAVY NUTS	96+16	SA-194 2H	0.2	22.4
9	ASME B18.2.1-2012 (R2021)	全螺纹螺栓 1\" FULL THREADED STUD BOLT	18+2	SA-193 B7	1.2	24
8		壳体法兰 SHELL FLANGE	1	SA-182 F316L	112	
7		壳程法兰垫片 SHELL FLANGE GASKET	1+2	见注1、2 SEE NOTE 1,2	/	/
6		管箱法兰垫片 CHANNEL FLANGE GASEKT	1+2	见注1、2 SEE NOTE 1,2	/	/
5		管箱吊耳1=14 CHANNEL LIFTING LUG	1	SA-516 Gr.70N	1.9	
4		管箱法兰 CHANNEL FLANGE	1	SA-266 Gr. 2N	83.8	
3		分程隔板=10 PASS PARTITION	1	SA-516 Gr.70N	24.7	
2		管箱筒体 ID 393.7X14 L=338.6 CHANNEL SHELL	1	SA-516 Gr. 70N	47.7	
1		2:1 椭圆封头 ID 393.7X12 (10) 2:1 ELLIPTICAL HEAD	1	SA-516 Gr. 70N	22.5	S-F=36

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) 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-9V3-00029	Project Area		Utilities	
Client		WORLD ENERGY PARAMOUNT	Client Doc No:			
04	供批准/ISSUED FOR APPROVAL	Mei Xinyao	Shengfang Zhao	Kevin Yang	17-Nov-22	
03	供批准/ISSUED FOR APPROVAL	Mei Xinyao	Shengfang Zhao	Kevin Yang	16-Sep-22	
02	供批准/ISSUED FOR APPROVAL	Mei Xinyao	Shengfang Zhao	Kevin Yang	12-Aug-22	
01	供批准/ISSUED FOR APPROVAL	Mei Xinyao	Shengfang Zhao	Kevin Yang	09-Jun-22	
版次 REV		版次说明/DESCRIPTION	设计/REVIEWED	审核/REVIEWED	批准/REVIEWED	日期/DATE
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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		详细设计 DESIGN PHASE Detail Design	
设计 PREPARED			T-100001 Recirculating Exchanger		设备位号 ITEM NO. 18-X-1800	
审核 REVIEWED			SHELL DETAIL DRAWING		图号 DWG. NO. WXCE6714-01	
批准 APPROVED			比例: SCALE	1:8	版次: REV.	04
			第 1 页 共 6 页 PAGE 1 OF 6			



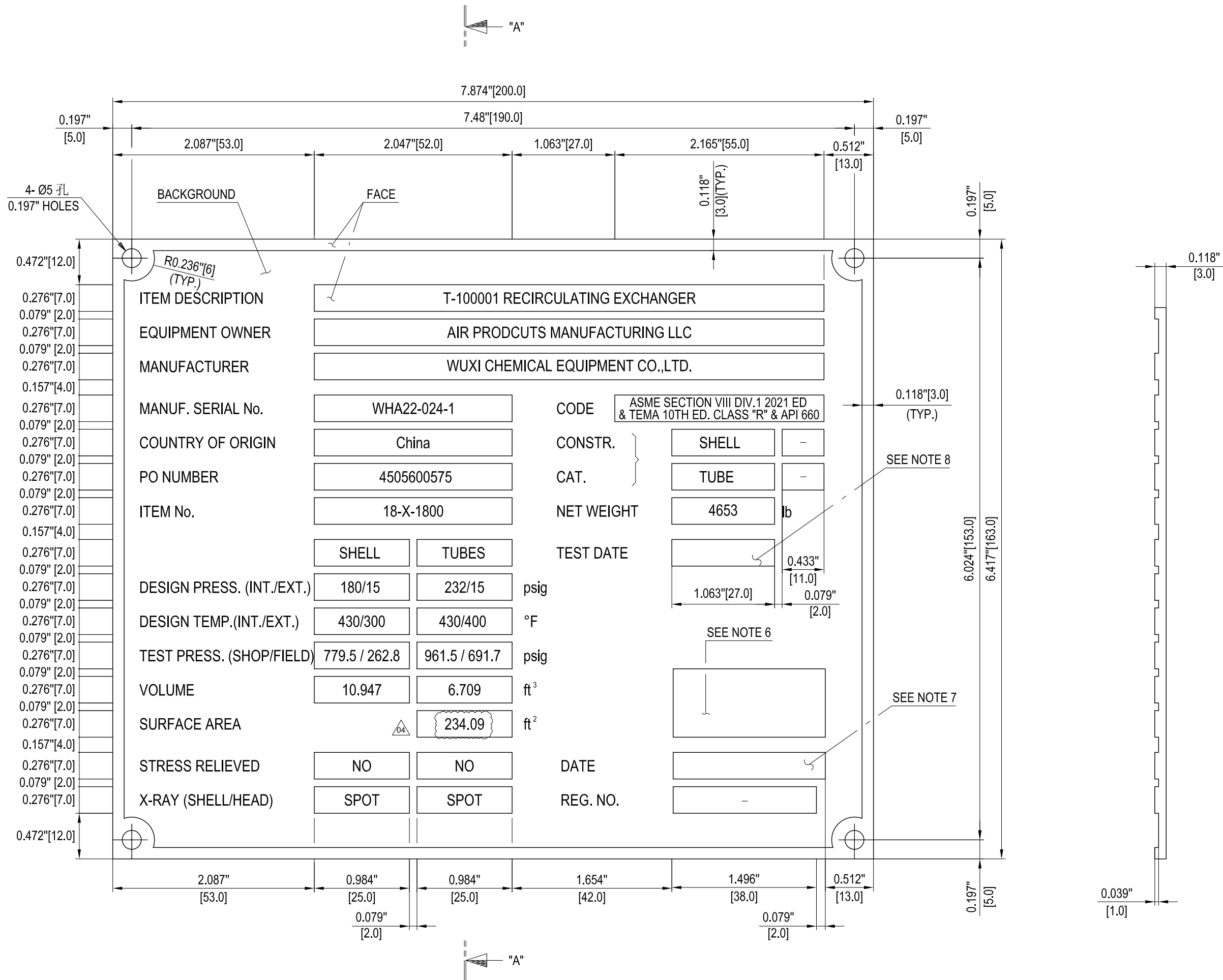
66		接管 Ø60.3X5.54 NOZZLE	1	SA-108 Gr.B	1.4	Aux2
65	ASME B16.5-2017	法兰 WN 2"-300# RF SCH80 FLANGE	1	SA-105N	3.8	Aux2
64	ASME B18.2.2-2022	重型六角螺母 5/8"-11UNC-2B HEAVY HEX NUT	64+8	SA-194 Gr.8	/	Aux3-4
63	ASME B18.2.1-2012 (R2021)	全螺纹螺栓 5/8"-11UNC-2A L=150 FULL THREADED STUD BOLT	16+2	SA-193 B8	/	Aux3-4
62	ASME PCC 1-2019 APPENDIX M	垫圈 5/8" WASHER	32+4	TYPE 6	0.08	Aux3-4
61	ASME B18.2.2-2022	重型六角螺母 5/8"-11UNC-2B HEAVY HEX NUT	96+12	SA-194 2H	/	Aux1-2,TV
60	ASME B18.2.1-2012 (R2021)	全螺纹螺栓 5/8"-11UNC-2A L=150 FULL THREADED STUD BOLT	24+3	SA-193 B7	/	Aux1-2,TV
59	ASME B16.20-2017	缠绕垫 2"-300# RF SPIRAL WOUND GASKET	5+10	见注1 SEE NOTE 1	/	Aux1-4,TV
58	ASME B16.5-2017	法兰 盖BL 2"-300# RF BLIND FLANGE	2	SA-182 F316L	1.0	Aux3-4
57	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	2	SA-182 F316L	8.5	Aux3-4
56	ASME B16.5-2017	法兰 LWN 8"-600# RF B=203.2 FLANGE	2	SA-182 F316L	93.8	S1-S2
55	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	1	SA-105N	7.3	TV
54	ASME B16.5-2017	法兰 盖BL 2"-300# RF BLIND FLANGE	3	SA-105N	1.0	Aux1-2,TV
53	ASME PCC 1-2019 APPENDIX M	垫圈 5/8" WASHER	48+6	TYPE 4		Aux1-2,TV
52	ASME B16.5-2017	法兰 LWN 3"-600# RF B=76.2 FLANGE	1	SA-105N	25.7	T2
51	ASME B16.5-2017	法兰 LWN 2"-300# RF B=50.8 FLANGE	1	SA-105N	8.5	Aux1
50	ASME B16.5-2017	法兰 LWN 4"-600# RF B=101.6 FLANGE	1	SA-105N	44.4	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 (kg)	备 注 REMARKS



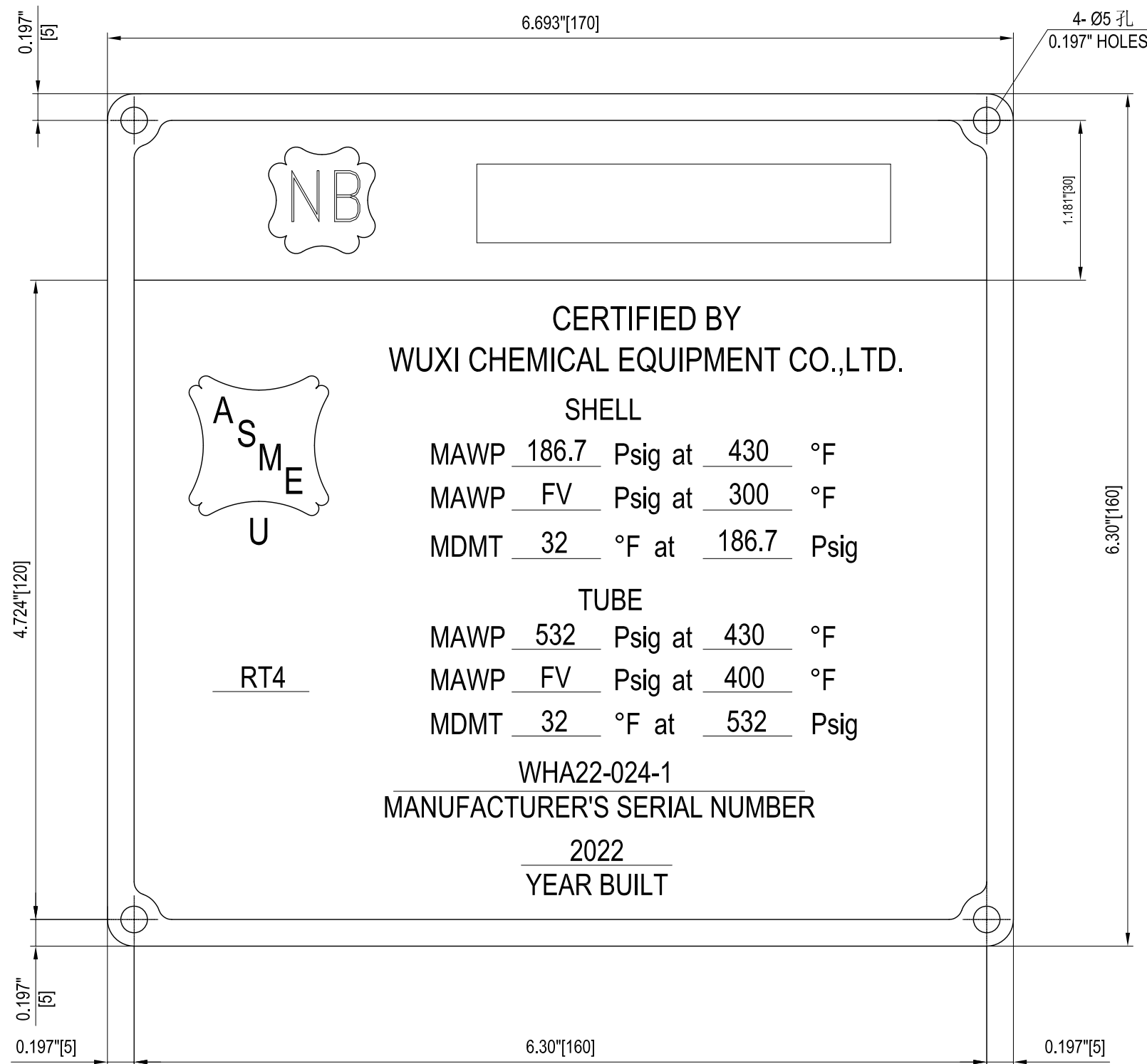


77		垫板 t=12 WEAR PLATE	1	SA-516 Gr.70N		2.2			
76		管箱吊耳 t=14 CHANNEL LIFTING LUG	1	SA-516 Gr.70N		2.8			
75		接地耳 t=6 EARTHING LUG	2	SS.304	0.3	0.6			
74		底板 t=20 BASE PLATE	1	SA-516 Gr.70N		17.5	滑动鞍座 SLIDING SADDLE		
73		底板 t=20 BASE PLATE	1	SA-516 Gr.70N		17.5	固定鞍座 FIXED SADDLE		
72		筋板 t=12 RIB RLATE	2	SA-516 Gr.70N	7.62	15.24			
71		腹板 t=12 WEB PLATE	2	SA-516 Gr.70N	18.76	37.52			
70		垫板 t=16 WEAR PLATE	2	SA-240 316L	13.9	27.8			
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-9V3-00029		Project Area		Utilities		
Client			WORLD ENERGY PARAMOUNT		Client Doc No:				
04	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	17-Nov-22			
03	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	16-Sep-22			
02	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	12-Aug-22			
01	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	09-Jun-22			
版次	REV	版次说明/DESCRIPTION	设计/PREPARED	审核/REVIEWED	批准/APPROVED	日期/DATE			
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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			T-100001 Recirculating Exchanger			设备位号 ITEM NO.			18-X-1800
审 核 REVIEWED			SADDLE DETAIL DRAWING			图 号 DWG. NO.			WXCE6714-04
批 准 APPROVED			比 例: SCALE		1:4	版 次: REV.		04	第 4 页 共 6 页 PAGE 4 OF 6

标准铭牌详图
DETAIL OF STANDARD NAME PLATE



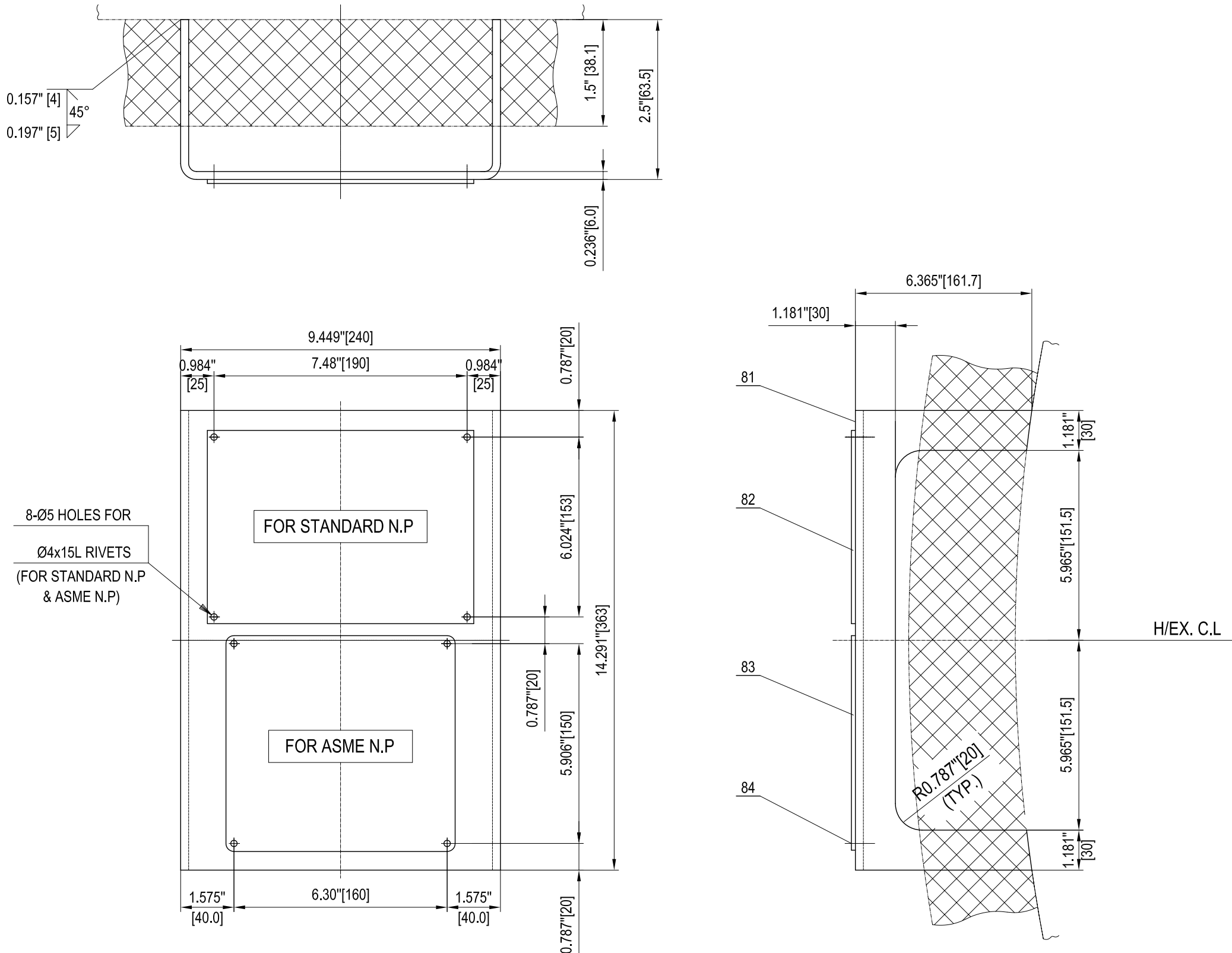
ASME铭牌详图
DETAIL OF ASME NAME PLATE



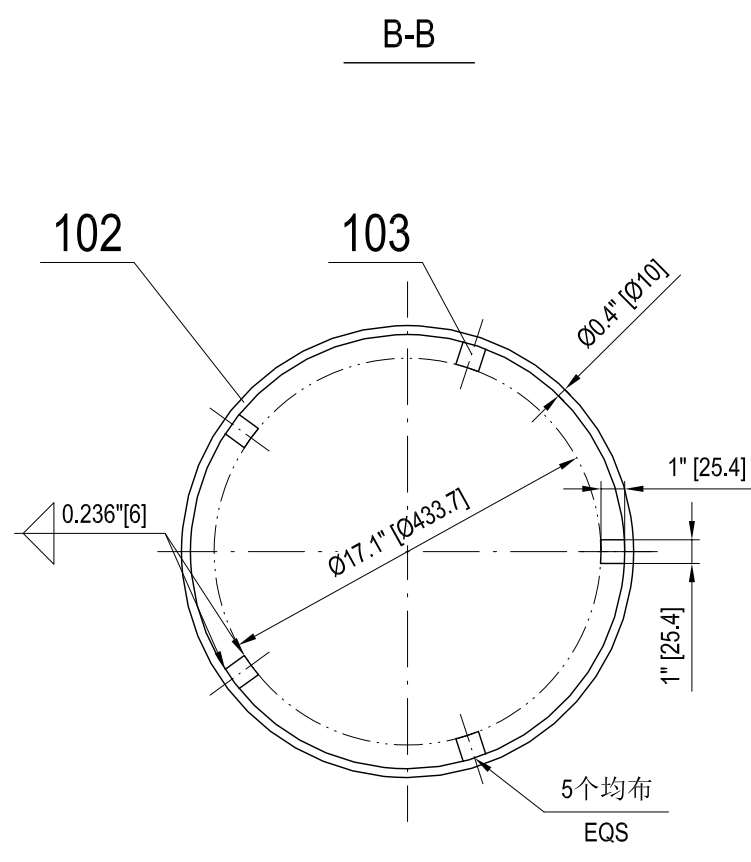
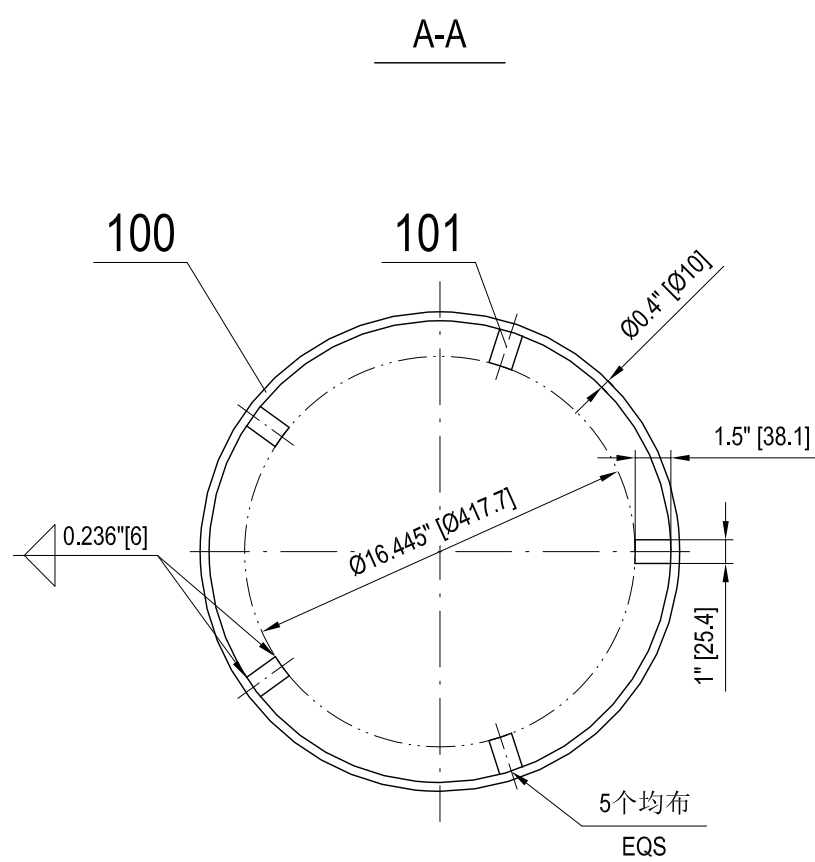
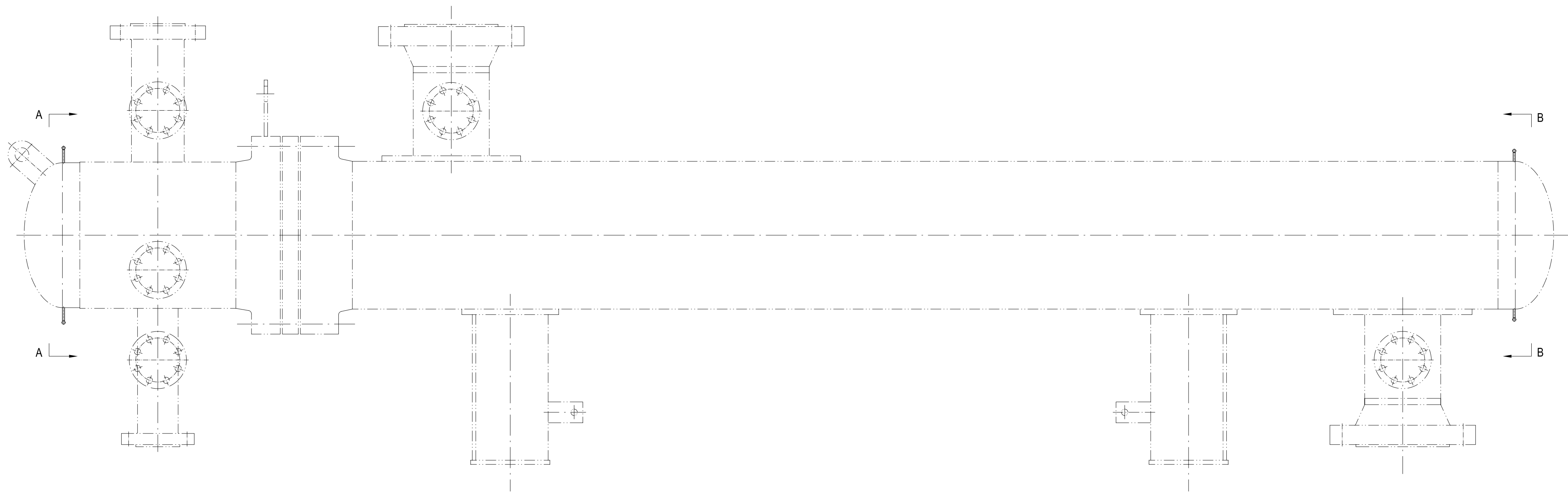
- 注:
- 除注明外, 所有尺寸均以英制为准, 括号外为英制尺寸, 括号内为米制尺寸。
 - 完成后: 铭牌表面抛光处理包括采用铸印字, 背影凸起, 并涂上黑色油漆。
 - 日期: 抛光表面要插入的日期 (英文)。标志可用蚀刻或模压方法标在铭牌上, 标志字符高度不小于0.157" [4mm], 字符深度不少于0.004" [0.1mm]。
 - 铭牌位置见设备装配图。
 - 水压试验后由AI和质量控制检验员 一起进行钢印。
 - 批准钢印空间。
 - 批准日期。(示例: 2019年3月1日)
 - 试验日期指压力试验日期。
 - REG. NO.: 注册号。

- NOTES
- ALL DIMENSIONS SHALL BE IN US CUSTOMARY UNIT AS PRIMARY UNIT AND METRIC UNIT SHOWN IN BRACKET, UNLESS OTHERWISE SPECIFIED.
 - FINISH: "FACE" MACHINED AND POLISHED INCLUDING CAST LETTERING. BACKGROUND KNURLED AND PAINTED BLACK.
 - DATE: DATE ON POLISHED SURFACE IS TO BE INSERTED (IN THE ENGLISH LANGUAGE) BY MEANS OF ENGRAVING OR HARD STAMPING AND MUST BE CLEARLY LEGIBLE. THE HEIGHT OF THE LETTERING SHOULD BE APPROX. 0.157" [4mm]. THE DEPTH OF THE LETTERING SHOULD BE APPROX. 0.004" [0.1mm].
 - FOR NAME PLATE LOCATION, SEE ASSY DWG. OF EQUIPMENT
 - STAMPING SHALL BE MADE BY Q.C INSPECTOR AFTER HYDROSTATIC TEST WITH CONCURRENCE OF AI
 - SPACE FOR AUTHORITY APPROVAL STAMP.
 - DATE OF AUTHORITY APPROVAL. (EXAMPLE: 01 MAR 2019)
 - TEST DATE MEANS DATE OF PRESSURE TEST.
 - REG. NO.: REGISTRATION NUMBER.
 10. 10 LETTERS AND FIGURES ON ASME NAME PLATES SHALL NOT BE LESS THAN 0.157" (4 MM) HIGH.

SECTION "A-A"



		铆钉 Ø4X14 RIVET	8	SS304	/	
83		ASME铭牌 t=3 ASME NAMEPLATE	1	SS304	0.4	
82		标准铭牌 t=3 STANDARD NAMEPLATE	1	SS304	0.7	
81		支架 t=6 BRACKET	1	SA-240 316L	3.9	
件号 PART NO.	图号或标准号 DWG. OR STD. NO.	名 称 DESCRIPTION	数量 QTY.	材 料 MATERIAL	单件EACH 总计SUM 重量 WT. (kg)	备 注 REMARK
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-9V3-00029	Project Area		Utilities	
Client		WORLD ENERGY PARAMOUNT	Client Doc No:			
04	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	17-Nov-22
03	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	16-Sep-22
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01	供批准/ISSUED FOR APPROVAL		Mei Xinyao	Shengfang Zhao	Kevin Yang	09-Jun-22
版次 REV	版次说明/DESCRIPTION		设计/PREPARED	审核/REVIEWED	批准/APPROVED	日期/DATE
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 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	
T-100001 Recirculating Exchanger NAMEPLATE DETAIL DRAWING			设计阶段 DESIGN PHASE		详细设计 Detail Design	
			设备位号 ITEM NO.		18-X-1800	
设计 PREPARED			图 号 DWG. NO.		WXCE6714-05	
审核 REVIEWED						
批准 APPROVED						
比例: 1:4		版次: 04	第 5 页 共 6 页 PAGE 5 OF 6			



103		支撑筋板 1/8" INSULATION SUPPORT CLIP	5	SA-240 316L			
102		保温支撑环 Ø10 INSULATION SUPPORT RING	1	SA-479 316L		0.8	
101		支撑筋板 1/8" INSULATION SUPPORT CLIP	5	SA-516 Gr.70N			
100		保温支撑环 Ø10 INSULATION SUPPORT RING	1	SA-36		0.9	

件号 PART NO.	图号或标准号 DWG. OR STD. NO.	名 称 DESCRIPTION	数量 QTY.	材 料 MATERIAL	单件 EACH 重量 WT. (kg)	总计 SUM	备 注 REMARK
----------------	----------------------------	--------------------	------------	-----------------	------------------------	--------	---------------

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-9V3-00029		Project Area		Utilities
Client		WORLD ENERGY PARAMOUNT		Client Doc No:		
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