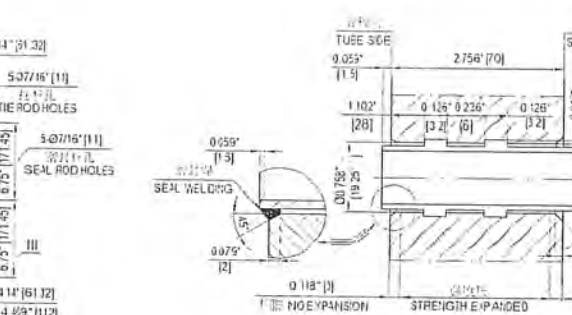
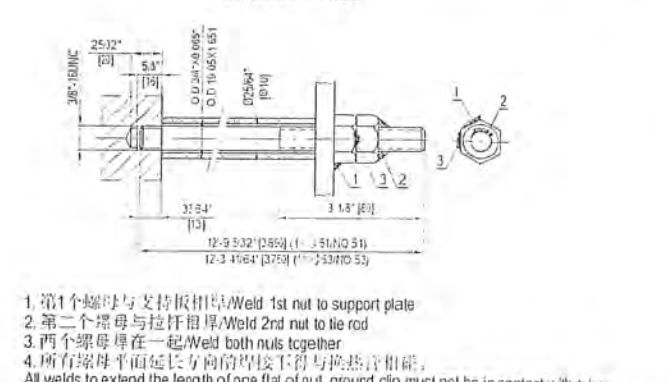
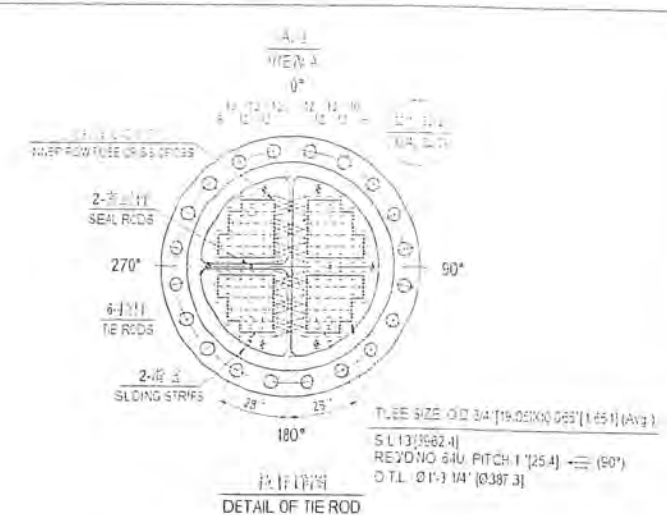
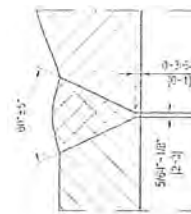
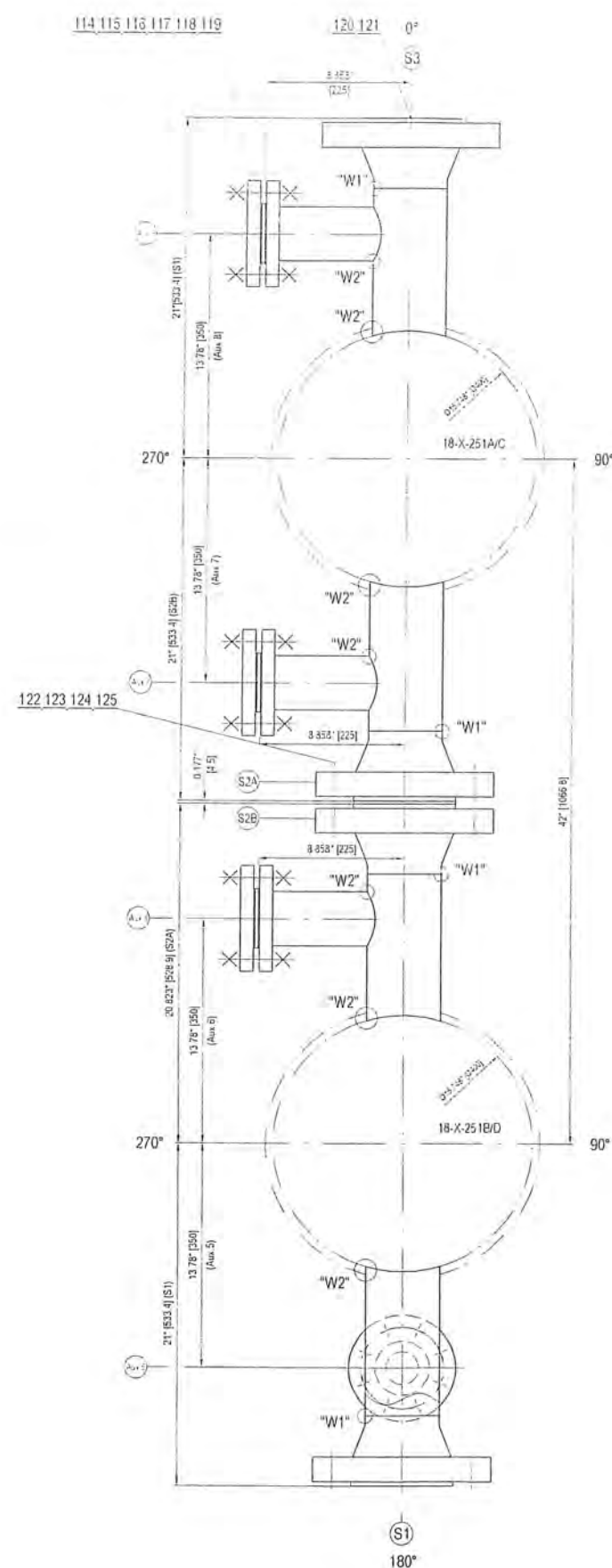


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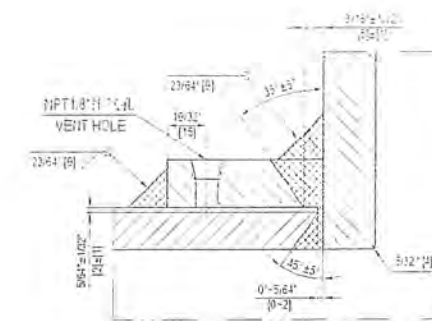


per AIA 1909 Classes 9 & 10						Total Weight 1300	
54	2x 3/8 REFER TO CROSSBY S-219	2x 3/8 108" 3/8x10-15 EYE BOLT	2x2	33204	15	5.0	
52		1/2" 3/8" 10-1375 TIE ROD	1x2	33205	24	4.8	
53	ASME 3102 2-3222	1/2" 3/8" 10-1375 TIE ROD	1x2	33205	1	1	
51		1/2" 3/8" 10-1385 TIE ROD	5x2	33205	25	25.0	
50		1/2" 3/8 15x1 551 1-271 SPACER	2x2	3A-781 33205	03	9.5	
49		1/2" 3/8 15x1 551 1-131 SPACER	10x2	3A-781 33205	01	20.0	
48		1/2" 3/8 15x1 551 1-521 1 SPACER	1x2	3A-781 33205	03	0.8	
47		1/2" 3/8 15x1 551 1-351 1 SPACER	5x2	3A-781 33205	03	3.0	
46		1/2" 3/8 SLOTTING STRIPS	2x2	3A-240 33205	24	10.4	
45		1/2" 3/8 SEAL ROD	2x2	33205	22	8.1	
44		1/2" 3/8 BIFFLE	13x2	3A-240 33205	29	75.1	
43		1/2" 3/8 BIFFLE	13x2	3A-240 33205	29	75.1	
42		1/2" 3/8 15x1 551 1-151 UTUBES (SEAMLESS)	1x2	3A-781 33205	409	811	
41		1/2" 3/8 TUBESHEET	1x2	3A-182 P-20	125	250	
件号	规格/名称/型号	数量	重量	合计	重量	合计	

	AIR	DESIGNATION	MATERIAL	SHEET NO.	TOTAL SHEETS	PAGE OF TOTAL PAGES
FLUOR WORLD ENERGY PRODUCTS						FLUOR
Air Products Project Name /			Fluor Project Number		AIRM	
Project Name			RFO No	AIRM-LI-10RQ		
Purchase Order Number			PO/Credit No			
Salesperson's name and his e-mail number			Project Area			
Cust	WORLD ENERGY PARAMOUNT		Client Doc No			
G5	JL JIAS BUILT		Jianhuo Ban	Chengyan Yuan	Hu Yang	12-Sep-21
G5	审批后 / ISSUED FOR APPROVAL		Jianhuo Ban	Chengyan Yuan	Hu Yang	20-Jun-21
G5	审批后 / ISSUED FOR APPROVAL		Jianhuo Ban	Chengyan Yuan	Hu Yang	08-May-21
G5	审批后 / ISSUED FOR APPROVAL		Jianhuo Ban	Chengyan Yuan	Hu Yang	27-Feb-21
设计REV:	说明书更新DESCRIPTION		项目已准备BY IS REVIEWED	检查过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.			DESIGN TEAM World Energy Fluor 设计人: 王世强 校对人: 姜海林 审核人: Date Design			
设计 PREPARED	孙晓华 2023.9.12		Fuel/Effluent Exchangers	ITEM NO 18 - 2SIAIC		
复核 CHECKED	李成军 2023.9.12		BUNDLE DETAIL DRAWING	ITEM NO		
总工批准 SIGNATURE	杨明 2023.9.12		DWG NO	W/CES25-024		
比例 SCALE	1:8		图号 FIGURE		PAGE 1 OF 2	

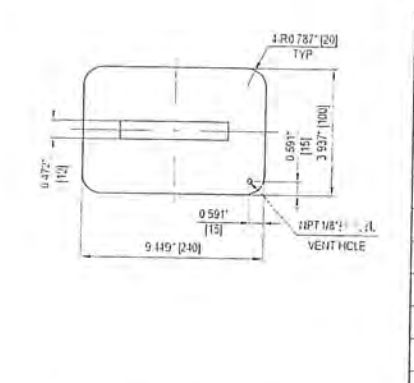
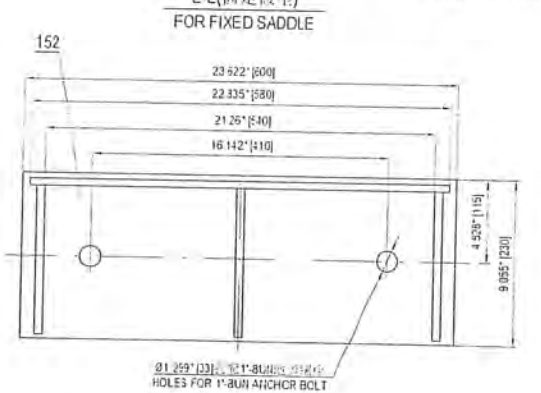
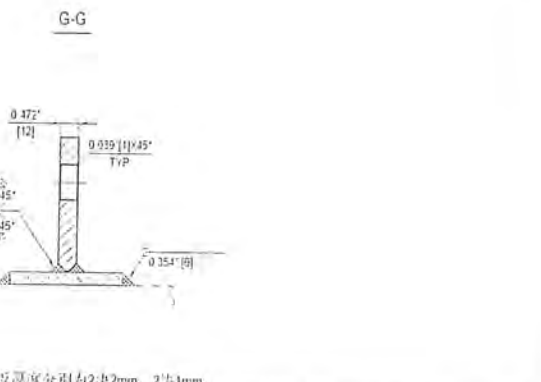
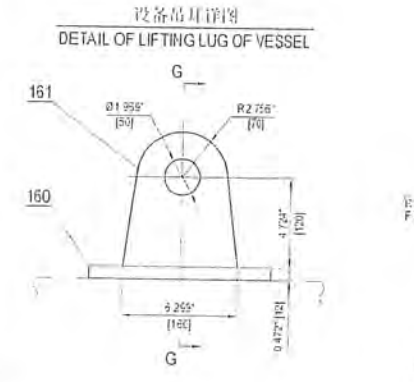
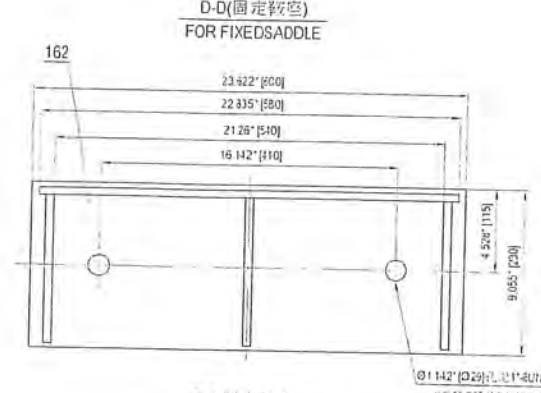
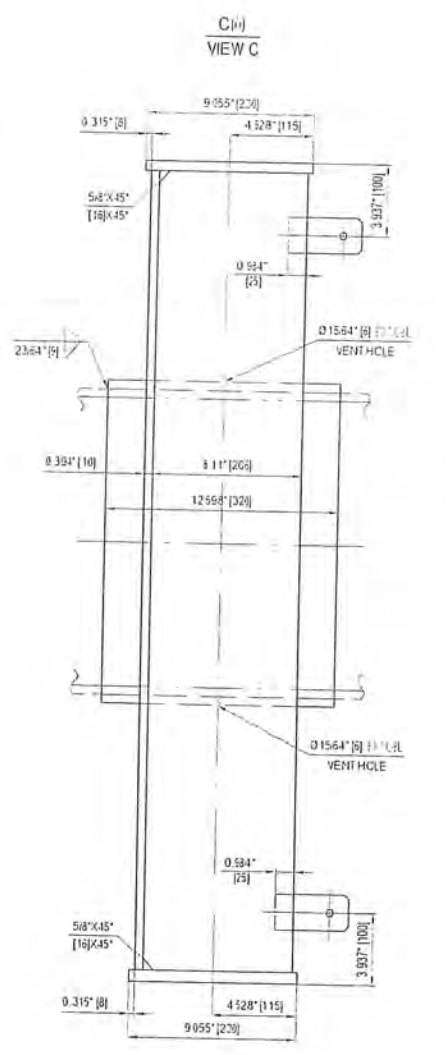
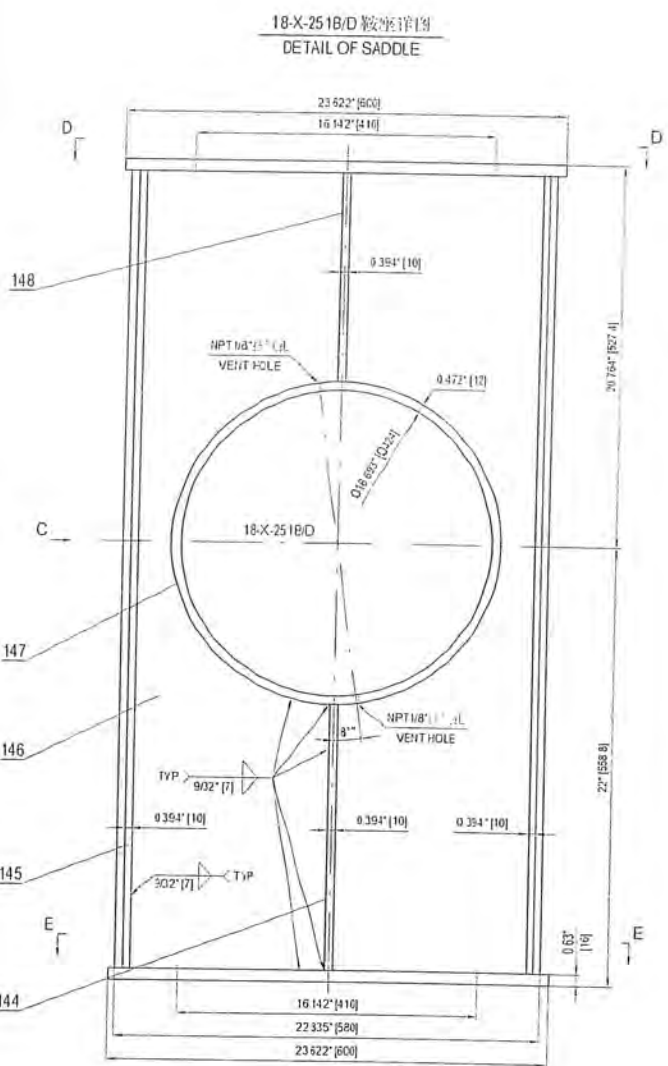
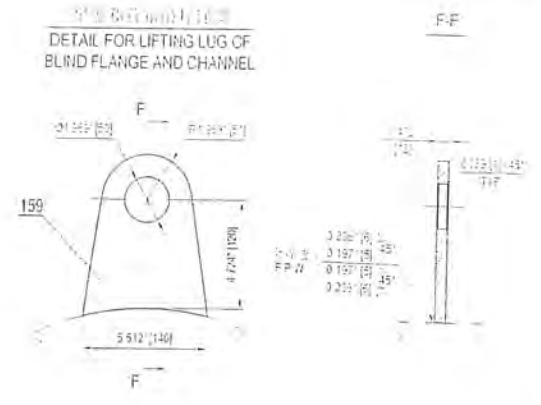
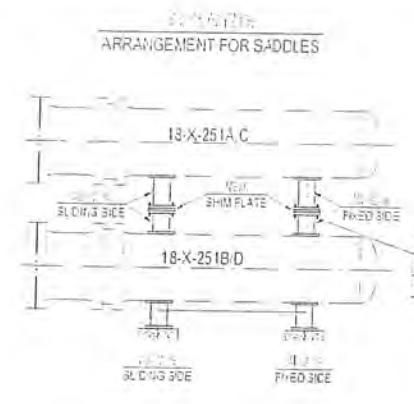
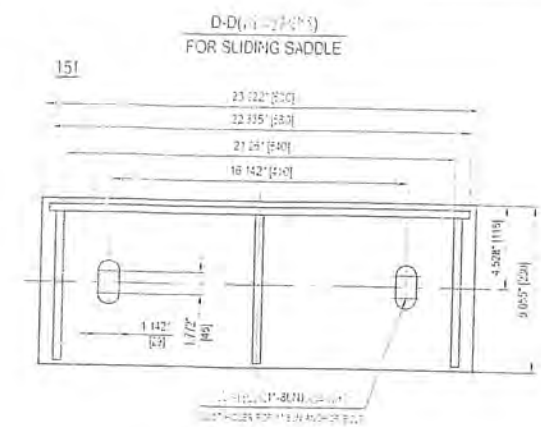
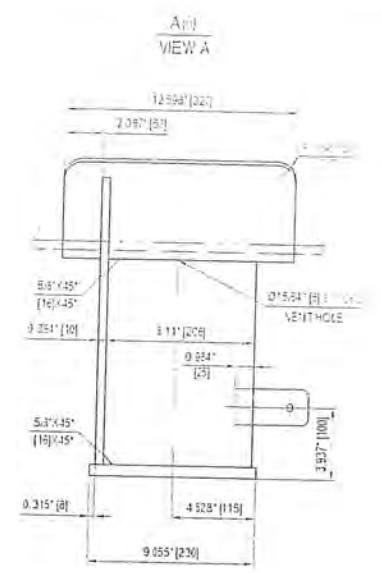
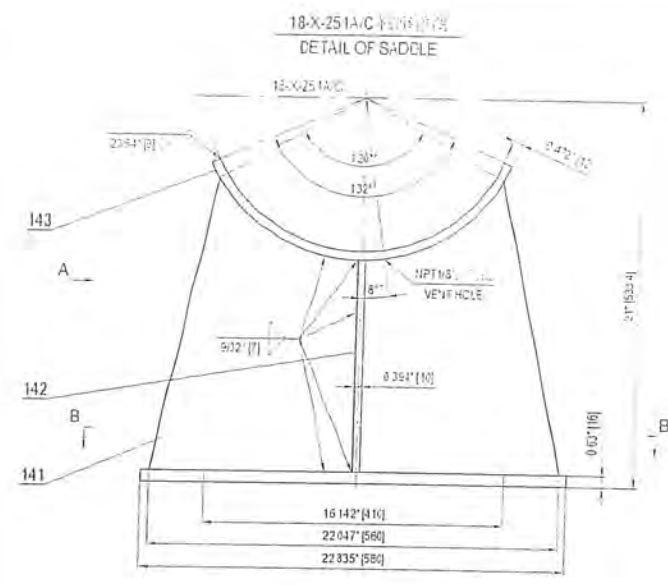


Technical drawing of a 1/2 inch diameter vent hole. The drawing shows a cross-section of a pipe with a 35-degree chamfer on the left side. The hole is labeled "NPT 1/2\"



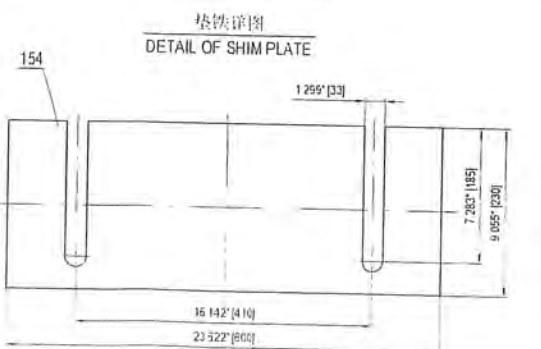
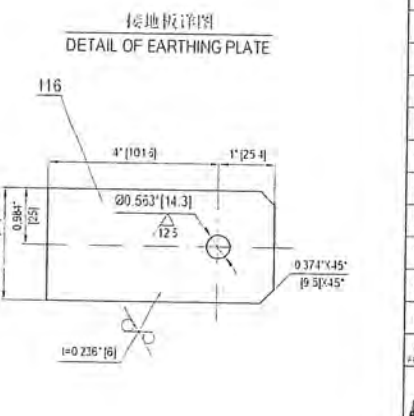
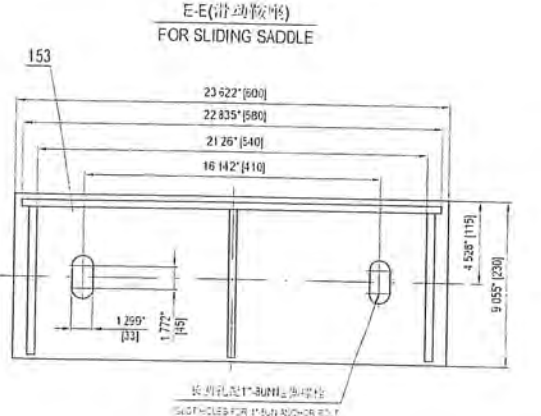
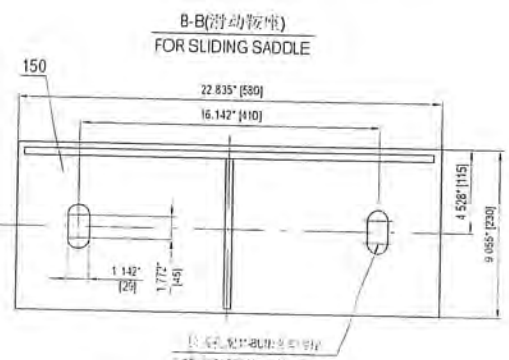
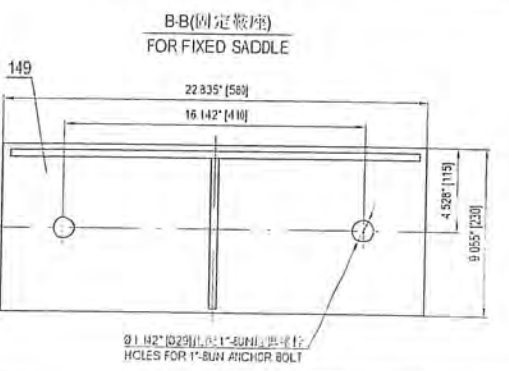
Total count: 3153 a

AIR PRODUCTS		World energy		FLUOR.	
Air Product Project Number		Fluor Project Number		ABM	
Project Name		World Energy Pseasables Project		RFQ No	
Purchase Order Number		405668221		ASPM-I-110-FG	
Air Product Specification Document Number		E120/122-WUM-9V3-00163		PO/Contract No	
Client		WORLD ENERGY PARAMOUNT		Project Area	
		Client Doc No.			
06	此 LIAS BUILT	Jianhui Ban	Changsan Yuan	Hu Yang	12-Sep-23
05	供批图 / ISSUED FOR APPROVAL	Jianhui Ban	Changsan Yuan	Hu Yang	20-Jun-23
04	供批图 / ISSUED FOR APPROVAL	Jianhui Ban	Changsan Yuan	Hu Yang	08-May-23
03	供批图 / ISSUED FOR APPROVAL	Jianhui Ban	Changsan Yuan	Hu Yang	27-Feb-23
设计REV	设计说明/DESCRIPTION	设计 / PREPARED BY	设计 / REVIEWED BY	批准 / APPROVED BY	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	空气分离装置改造项目 AIR SEPARATION UNIT RECONSTRUCTION PROJECT
设计 PREPARED	张洪军 2023.9.14	Feed/Effluent Exchanger NOZZLE DETAIL DRAWING		设计阶段 DESIGN STAGE	详细设计 Detail Design
审核 REVIEWED	王成林 2023.9.14			项目编号 ITEM NO.	B-X-251A-B/C/D
批准 APPROVED	杨明 2023.9.14			图号 GWG NO.	WXCE605-01
		SCALE 1:1		第 1 页 共 1 页 PAGE 1 OF 1	



Notes:
1. 制造垫板厚度分别为2mm, 2mm
1. A group of adjusting plate thickness is two pieces of 2mm and two piece of 1mm respectively

Item No.	Part Name	Material	Quantity	Weight (kg)	Total weight (kg)
162	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
161	18-X-251B/D LIFTING LUG	SA-516 Gr 70	2	10.0	20.0
160	18-X-251B/D LIFTING LUG PAD	SA-240 332205	2	9.2	18.4
159	18-X-251B/D LIFTING LUG	SA-516 Gr 70	2	13.8	27.6
158	ASME FCC-1-2019 APPENDIX M WASHER	TYPE 4	4	0.4	1.6
157	ASME B18.2.2-2022 HEAVY HEX NUT	SA-193 Gr 2H	8	0.4	3.2
156	ASME B18.2.2-2022 FULL THREAD STUD BOLT	SA-193 Gr 2H	2	0.7	1.4
155	18-X-251B/D EARTHING PLATE	SS 304	1	0.1	0.1
154	18-X-251B/D SHIM PLATE	SA-516 Gr 70	2	10.8	21.6
153	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
152	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
151	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
150	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
149	18-X-251B/D BOTTOM PLATE	SA-516 Gr 70	1	16.8	16.8
148	18-X-251B/D RIB	SA-516 Gr 70	2	1.7	3.4
147	18-X-251B/D BASE PLATE	SA-240 332205	2	41.2	82.4
146	18-X-251B/D WEB PLATE	SA-516 Gr 70	2	35.5	71.0
145	18-X-251B/D RIB	SA-516 Gr 70	2	17.9	35.8
144	18-X-251B/D RIB	SA-516 Gr 70	2	6.0	12.0
143	18-X-251B/D BASE PLATE	SA-240 332205	2	15.9	31.8
142	18-X-251B/D RIB	SA-516 Gr 70	2	1.6	3.2
141	18-X-251B/D WEB PLATE	SA-516 Gr 70	2	12.7	25.4



AIR PRODUCTS **FLUOR**

World Energy

Project Name: World Energy Renewables Project
Purchase Order Number: 450528221
Client: WORLD ENERGY PARAMOUNT

Fluor Project Number: AEM
RFQ No.: AEM-4-110-RO
Contract No.:
Project Area:

Client Doc No.:
Client Name: 2023.01.12

DESIGNER: 2023.01.12
CHECKER: 2023.01.12
APPROVED: 2023.01.12

WCE 无锡化工装备股份有限公司
WUXI CHEMICAL EQUIPMENT CO., LTD.

Feed / Effluent Exchangers
SADDLE AND LIFTING LUG DETAIL DRAWING
DWG NO: WCE/251B/D
PAGE 1 OF 1