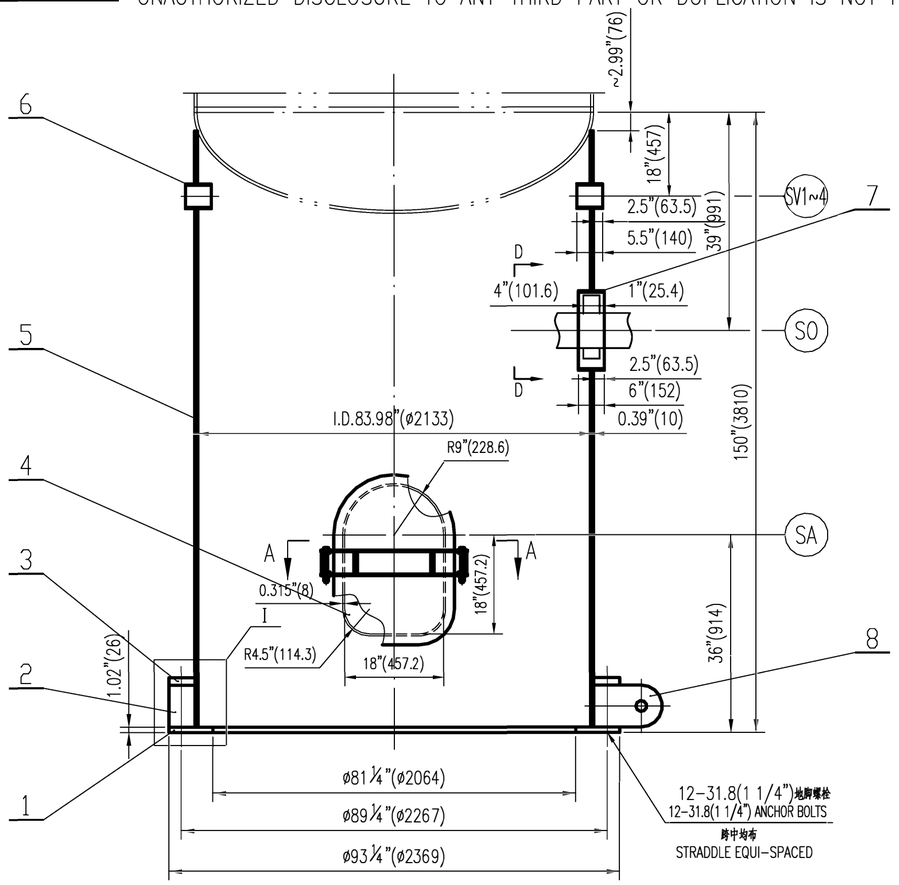
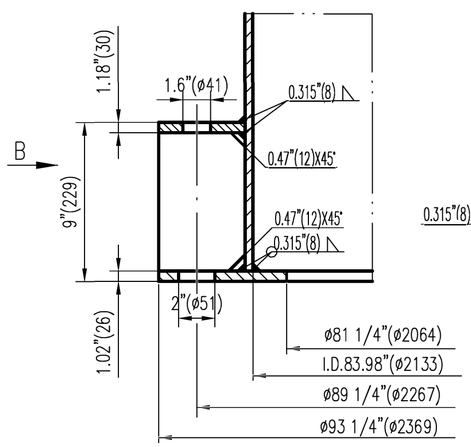
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UNAUTHORIZED DISCLOSURE TO ANY THIRD PART OR DUPLICATION IS NOT PERMITTED

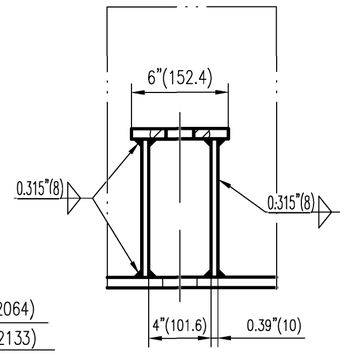
DWG. NO. A2113-R-2



I
不按比例 NOT TO SCALE



B
不按比例 NOT TO SCALE



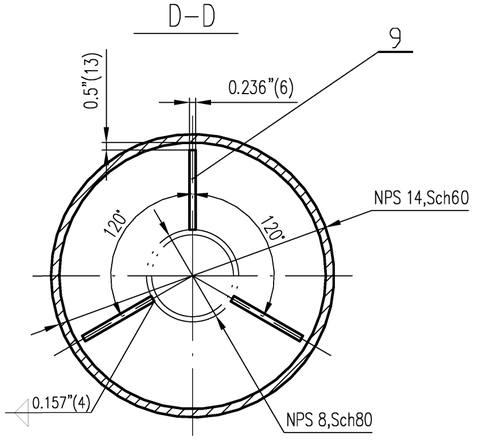
技 术 要 求

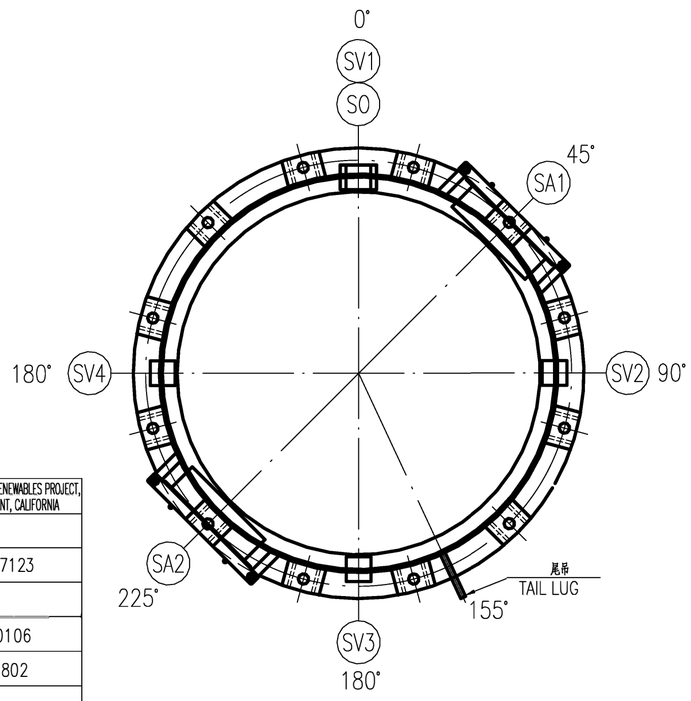
1. 裙座用SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 裙座筒体上开孔方位见总装配图(A2113-R-0)。
3. 裙座任意两螺栓孔中心距偏差为±3.0mm，螺栓孔对角线或中心圆直径偏差为±3.0mm。
4. 未注角焊缝的焊脚尺寸为两焊件中较薄板的厚度。
5. 件号5裙座筒体的高度应根据下封头的实际尺寸决定，应保证装配图中的装配高度尺寸3810mm。
6. 其余技术要求见总装配图。

TECHNICAL REQUIREMENTS

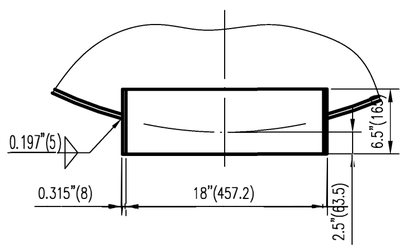
1. SA-516 Gr. 70 HOT ROLLED PLATES USED FOR SHELLS SHALL CONFORM TO THE PROVISIONS OF SA-516M OF ASME CODE SECTION II 2019 EDITION.
2. THE ORIENTATION OF NOZZLES OF SKIRT SHELL SHALL BE IN ACCORDANCE WITH THE PRESCRIPTIONS ON THE GA DRAWING (A2113-R-0).
3. TOLERANCE OF BOLT HOLES CIRCLE DIAMETER AND THAT OF CHORD LENGTH BETWEEN ANY TWO HOLES AND TWO ADJACENT HOLES SHALL BE ±3mm.
4. UNLESS SPECIFIED OTHERWISE, THE DIMENSION OF FILLET WELD LEG SHALL BE EQUAL TO THE THICKNESS OF THINNER PLATE.
5. THE HEIGHT OF SERIAL NO. 5 SKIRT SHELL SHALL BE DECIDED AS ACTUAL DIMENSION OF BOTTOM HEAD THE ASSEMBLY HEIGHT 3810MM SHALL BE ENSURED.
6. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.

D-D

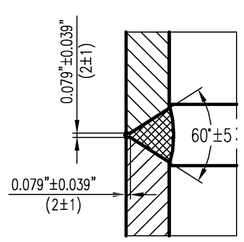




A-A(仅示出检查孔)
不按比例 NOT TO SCALE



裙座筒体对接焊接接头详图
BUTT WELDING DETAILS OF SKIRT CYLINDRICAL SHELL
不按比例 NOT TO SCALE



件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL		单重 SINGLE (kg)	总重 TOTAL (kg)	备注 REMARK
9		支撑板 □40X6 L=101.6 SUPPORT PLATE	3	SA-516 Gr.70		0.2	0.6	
8	A2113-R-2-1-0	尾吊 TAIL LUG	1	组合件 ASSEMBLY PARTS			12.7	
7		引出管 NPS14" Sch60 L=152 SKIRT OPENING FOR NOZZLE "B2"	1	SA-106 Gr. B			12.4	
6		裙座排气口 NPS4" Sch120 L=140 SKIRT VENT	4	SA-106 Gr. B		3.96	15.84	
5		裙座筒体 I.D. 2133x10 SKIRT SHELL	1	SA-516 Gr. 70			1960	L=3708
4	按本图 AS DRAWING	裙座检查孔 SKIRT ACCESS	1	SA-516 Gr. 70			22.8	
3		盖板 δ=30 COVER PLATE	12	SA-516 Gr. 70		3.9	46.8	
2		筋板 δ=10 RIB	24	SA-516 Gr. 70		1.5	36	
1		基础环板 ø2369/ø2064 δ=26 BASE RING	1	SA-516 Gr. 70			217	

版本号 REV. NO.	日期 DATE	说明 DESCRIPTION	设计 DESIGNED	审核 REVIEWED	批准 APPROVED	授权检验师 AI
5	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
4	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
3	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.4.13	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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底图校对
旧底图总号
底图总号
签字
日期

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PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.
江联集团

裙座
SKIRT

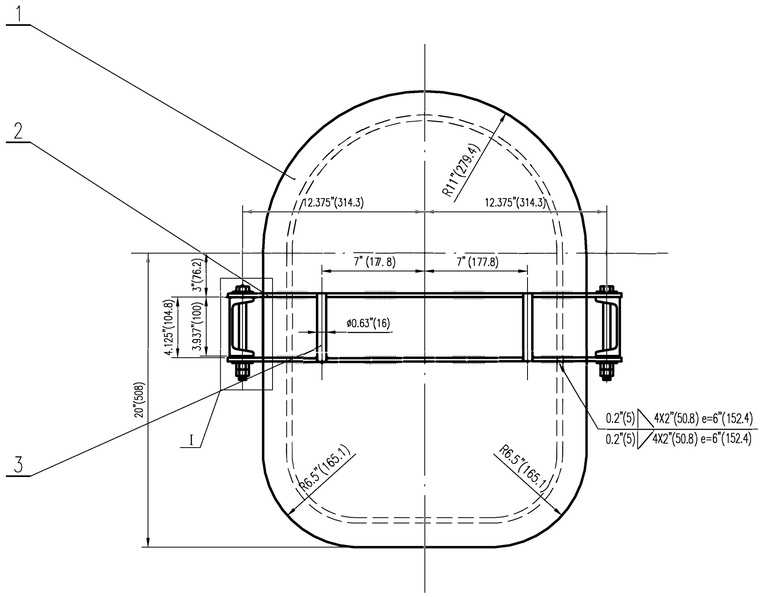
组合件
ASSEMBLY PARTS

DWG. NO. A2113-R-2

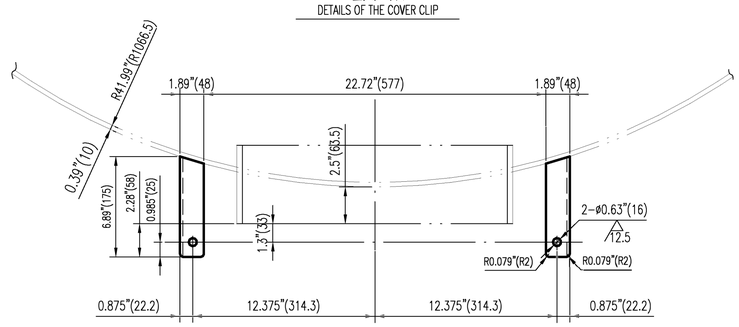
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	5113(2324)
SCALE	
SHT. NO.	TOTAL

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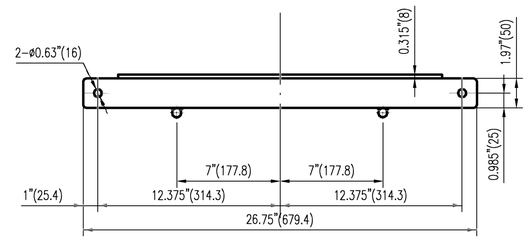
DWG. NO. A2113-R-14

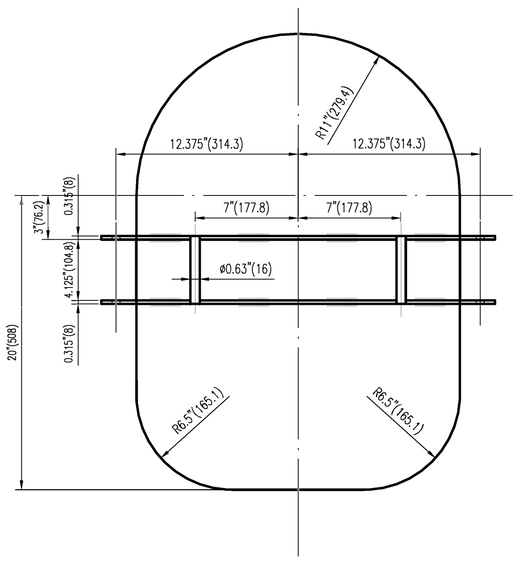


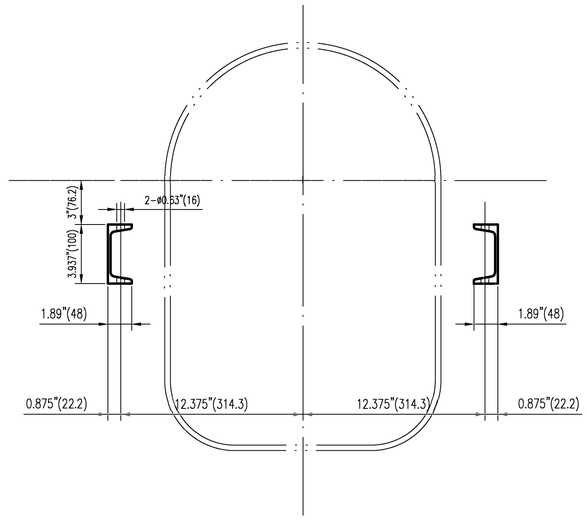
盖夹具详图
DETAILS OF THE COVER CLIP

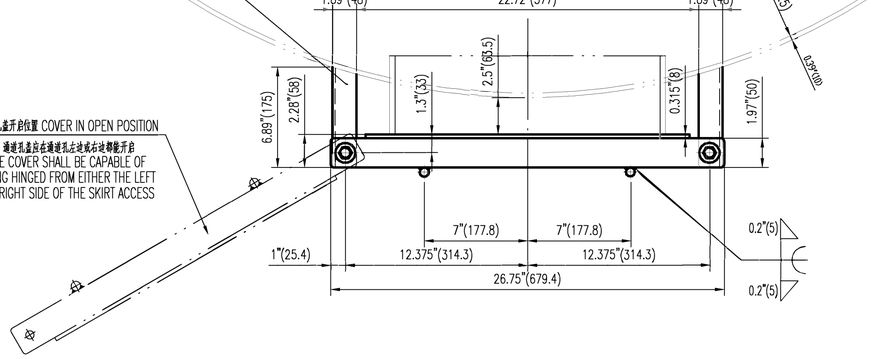


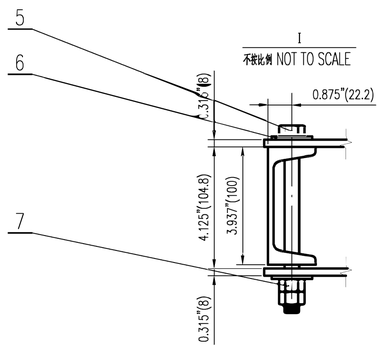
盖详图
DETAILS OF THE COVER



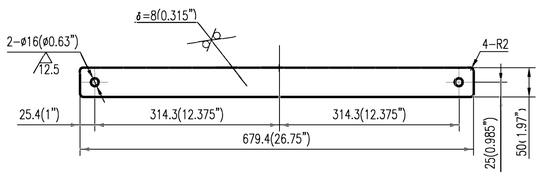








件2详图
DETAILS OF PIECE 2



7	ASME B18.2.2	六角螺母 1/2" HEX NUT	4	SA-194 Gr. 2H	0.02	0.08	
6	ASME B18.22.1	平垫圈 1/2" FLAT WASHER	2	ASTM F436 TYPE1	0.01	0.02	
5	ASME B18.2.1	六角头螺栓 1/2" L=160 HEX BOLT	2	SA-193 Gr. B7	0.05	0.1	
4		槽钢 C10 CHANNEL	2	SA-36	3	6	L=6.89"(175)
3		把手 ø16 HANDLE BAR ø0.63"	2	SA-36	0.19	0.38	L=4.8"(122)
2	按本图 AS DRAWING	盖杆 COVER BAR	2	SA-516 Gr.70	2.13	4.26	
1	按本图 AS DRAWING	盖板 COVER PLATE	1	SA-516 Gr.70		25.5	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单 SINGLE	总 TOTAL	备注 REMARK
					重量 WEIGHT (kg)		

5	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
4	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
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版本号 REV. NO.	日期 DATE	说明 DESCRIPTION	设计 DESIGNED	审核 REVIEWED	批准 APPROVED	授权检验师 AI

值(通)用件登记	
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签字	
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PROJECT NUMBER OF AP OPEN TEXT DOCUMENT NUMBER	EN-20-7123
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

AIR PRODUCTS 空气产品

江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., L

C

裙座通道孔盖
COVER OF THE SKIRT ACCESS

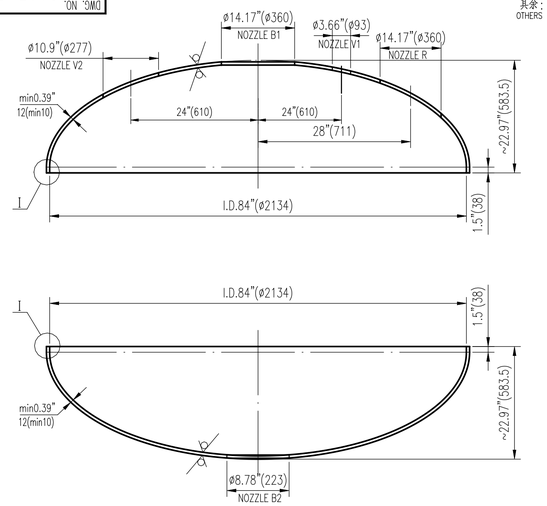
组合件
ASSEMBLY PARTS

DWG. NO.	A2113-R-14	
JOB NO.	21-080R	
SERIAL NO.		
WEIGHT lbs(kg)	79.4(36)	
SCALE	1:10	
SHT. NO.		TOTAL

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DWG. NO. A2113-R-3

其余: 1mil / (25)
OTHERS



技术要求

1. 封头用SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版SA-516的规定。
2. 封头应整板冲成形，不需要热处理；封头保证成形最小厚度为10mm,保证内径ø2134mm.
3. 开孔方位按总装配图。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES USED FOR HEAD SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION I, 2019 EDITION.
2. THE HEAD SHALL BE COLD FORMED AS A WHOLE PLATE,NO HEAT TREATMENT REQUIREMENT. MINIMUM THICKNESS OF 9mm, AND ID OF ø2134mm SHALL BE ENSURED FOR THE HEAD AFTER FORMED.
3. THE ORIENTATION OF NOZZLES SHALL BE IN ACCORDANCE WITH GA DRAWING.

Ⅰ详图
DETAIL Ⅰ
不按比例 NOT TO SCALE



接管(带补强圈)开孔坡口详图
DETAL OF NOZZLE (WITH REINFORCEMENT PAD)GROOVE
不按比例 NOT TO SCALE



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底图总号
签 字
日 期

AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

2:1椭圆形封头
2:1 ELLIPSOIDAL HEAD

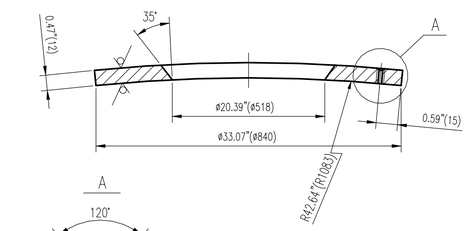
SA-516 Gr. 70(热轧)
SA-516 Gr. 70 (HOT ROLLED)

DWG. NO.	A2113-R-3
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	1058(480)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-4

其余: 1mil / (25)
OTHERS



技术要求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
2. THE SHAPE OF THE REINFORCING PAD SHALL BE CONSISTENT WITH THE EXTERNAL SURFACE OF THE SHELL TO ENSURE THAT THE REINFORCING PAD FITS CLOSELY WITH THE SHELL.
3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

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PROJECT NUMBER OF AP	EN-20-7123
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PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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签 字
日 期

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Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 20"
REINFORCING PAD(NOZZLE A1)

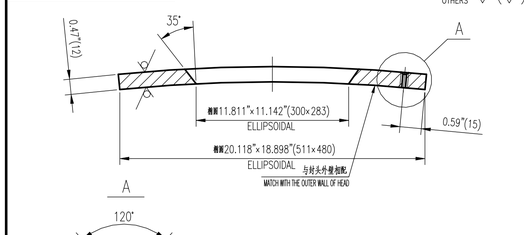
SA-516 Gr. 70

DWG. NO.	A2113-R-4
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	95(43.1)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-6

其余: 1mil / (25)
OTHERS



技术要求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
2. THE SHAPE OF THE REINFORCING PAD SHALL BE CONSISTENT WITH THE EXTERNAL SURFACE OF THE SHELL TO ENSURE THAT THE REINFORCING PAD FITS CLOSELY WITH THE SHELL.
3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

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旧底图总号
底图总号
签 字
日 期

AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 10"
REINFORCING PAD(NOZZLE V2)

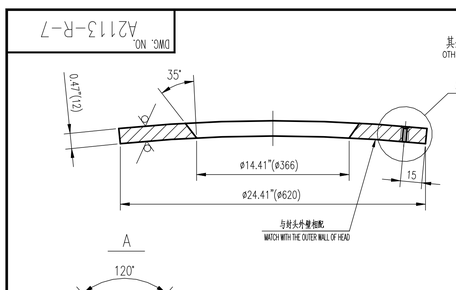
SA-516 Gr. 70

DWG. NO.	A2113-R-6
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	25.1(11.4)
SCALE	
SHT. NO.	TOTAL

THE DRAWINGS AND DOCUMENTS ARE THE PROPERTY OF JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.
UNAUTHORIZED DISCLOSURE TO ANY THIRD PART OR DUPLICATION IS NOT PERMITTED

DWG. NO. A2113-R-7

其余: 1mil / (25)
OTHERS



技术要求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
2. THE SHAPE OF THE REINFORCING PAD SHALL BE CONSISTENT WITH THE EXTERNAL SURFACE OF THE SHELL TO ENSURE THAT THE REINFORCING PAD FITS CLOSELY WITH THE SHELL.
3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师
5	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
4	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

借(通)用件登记
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底图校对
旧底图总号
底图总号
签 字
日 期

AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 14"
REINFORCING PAD(NOZZLE B1)

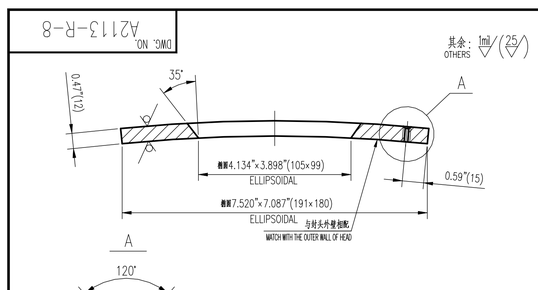
SA-516 Gr. 70

DWG. NO.	A2113-R-7
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	41.7(18.9)
SCALE	
SHT. NO.	TOTAL

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UNAUTHORIZED DISCLOSURE TO ANY THIRD PART OR DUPLICATION IS NOT PERMITTED

DWG. NO. A2113-R-8

其余: 1mil / (25)
OTHERS



技术要求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
2. THE SHAPE OF THE REINFORCING PAD SHALL BE CONSISTENT WITH THE EXTERNAL SURFACE OF THE SHELL TO ENSURE THAT THE REINFORCING PAD FITS CLOSELY WITH THE SHELL.
3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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借(通)用件登记
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底图总号
签 字
日 期

AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 3"
REINFORCING PAD(NOZZLE V1)

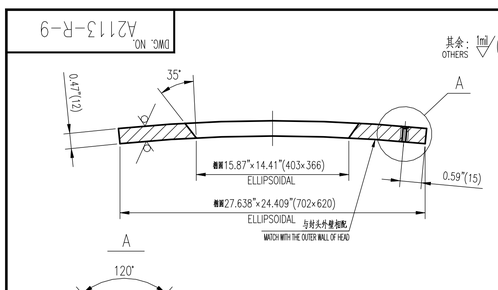
SA-516 Gr. 70

DWG. NO.	A2113-R-8
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	4.0(1.8)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-9

其余: 1mil / (25)
OTHERS



技术要求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定。
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
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3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
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OPEN TEXT DOCUMENT NUMBER	
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AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 14"
REINFORCING PAD(NOZZLE R)

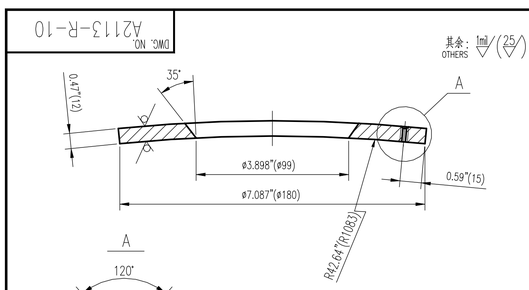
SA-516 Gr. 70

DWG. NO.	A2113-R-9
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	44(20)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-10

其余: 1mil / (25)
OTHERS



技术要求

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2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合。
3. 安装补强圈时，应注意使螺孔放置在壳体最偏的位置。
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷。
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焊缝不得有渗漏现象。

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
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3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
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日 期

AIR PRODUCTS
Air Products Manufacturing LLC
江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

补强圈 3"
REINFORCING PAD(NOZZLE A2,A3)

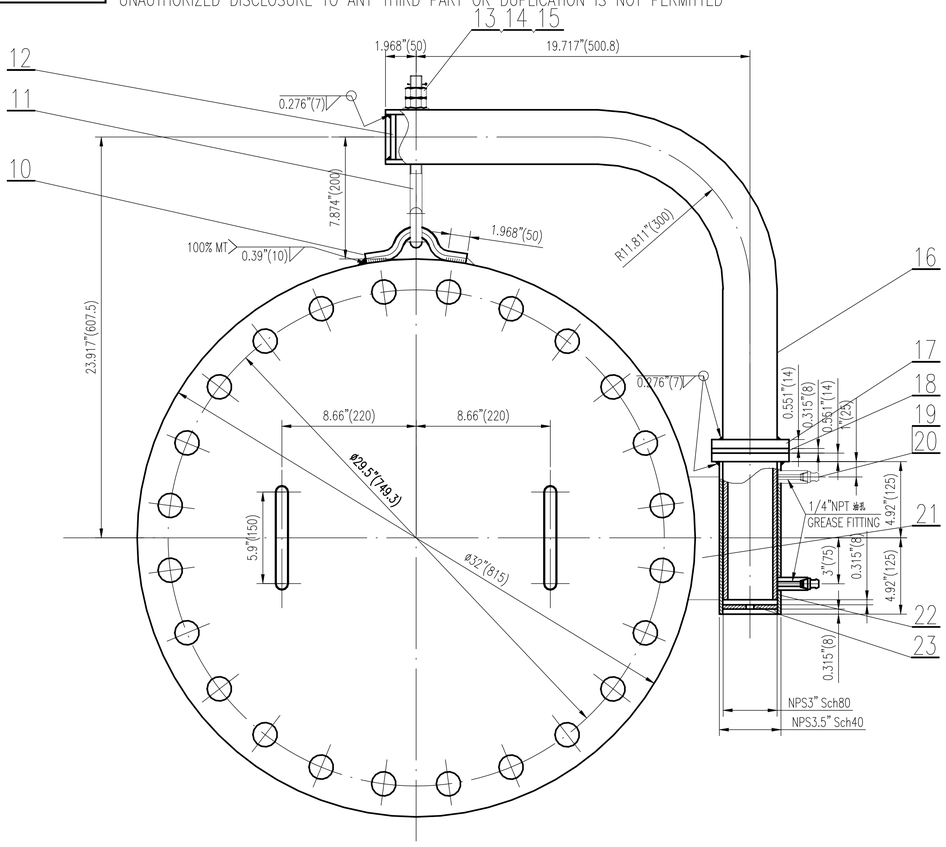
SA-516 Gr. 70

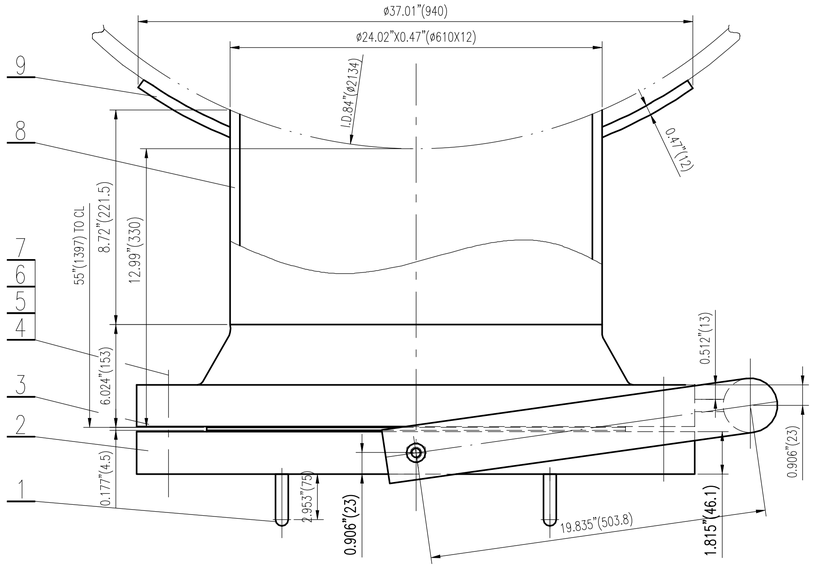
DWG. NO.	A2113-R-10
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	4.0(1.8)
SCALE	
SHT. NO.	TOTAL

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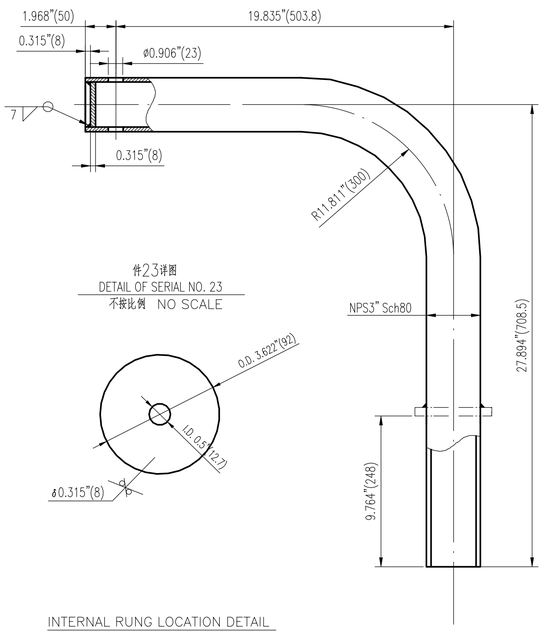
DWG. NO. A2113-R-11

其余: OTHERS 1mil (25μm)

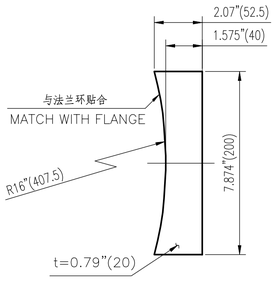




件16详图
DETAIL OF ITEM NO. 16
不按比例 NO SCALE

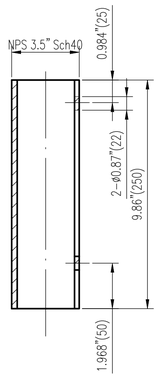


件21详图
DETAIL OF ITEM NO.21
不按比例 NO SCALE



件23详图
DETAIL OF SERIAL NO. 23
不按比例 NO SCALE

件22详图
DETAIL OF ITEM NO.22
不按比例 NO SCALE



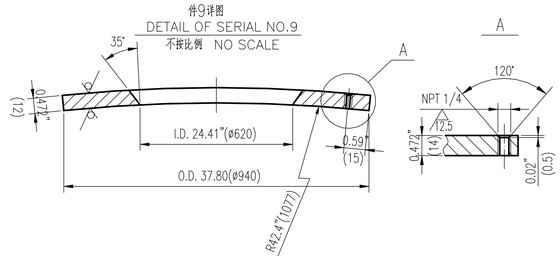
技术要求

1. 除特殊注明外，所有尺寸单位均采用英寸，部分尺寸括号里单位为mm.
2. 本件组装完毕后，应转动灵活，不得有卡滞现象；所有转动部件需润滑剂.
3. 人孔盖开启闷合时，应防止法兰（盖）端面密封面互相碰撞，损坏密封面.
4. 垫片材料为缠绕垫，柔性石墨填充，金属带为S.S.316，内外环为S.S.316.
5. 法兰密封面粗糙度加工至3.2~6.3μm.
6. 人孔转臂与件17支承环焊接后，环以下部分表面需按ASTM A123和A143进行镀锌.
7. 件2与件10、件21，件21与件22之间的角焊缝应进行渗透检测，检测结果应符合ASME规范第Ⅷ卷第一分册强制性附录8中的规定.
8. 其余要求按总图.

TECHNICAL REQUIREMENTS

1. ALL DIMENSIONS ARE IN INCHES UNLESS SPECIFIED OTHERWISE. CERTAIN DIMENSIONS SHALL BE IN BOTH INCHES AND (mm).
2. THE DAVIT SHALL TURN FREELY WITH NO CLAMPING AFTER ASSEMBLY.ALL MOVABLE PARTS OF DAVIT ASSEMBLY SHALL BE COATED WITH LUBRICANT.
3. IN OPERATION OF OPENING AND CLOSING COVER, IMPACT FORCE/LOAD IS PROHIBITED TO MINIMIZE CHANCE OF DAMAGE TO FLANGE SEALING SURFACE.
4. GASKET IS SPIRAL WOUND,WITH FLEXIBLE GRAPHITE FILLER,AND S.S.316 FOR HOOP,INSIDE RINGS AND OUTSIDE RINGS.
5. FLANGE GASKET SURFACES FINISH SHALL BE 125 TO 250 μ INCH.
6. THE LOWER SURFACES FROM RING OF THE DAVIT ARM SHALL BE GALVANIZED AFTER WELDED WITH SERIAL NO. 7 "BEARING RING ". GALVANIZING SHALL BE IN ACCORDANCE WITH APPLICABLE PART OF ASTM A123 AND A143.
7. THE FILLET WELD OF BETWEEN SERIAL NO. 2 AND SERIAL NO. 10 AND SERIAL NO. 21, SERIAL NO. 21 AND SERIAL NO. 22 SHALL BE EXAMINED BY PT. THE ACCEPTABLE QUALITY CRITERION SHALL CONFORM TO APPENDIX 8 OF ASME CODE SECTION VIII, DIVISION 1.
8. OTHER REQUIREMENTS REFER TO GENERAL ASSEMBLY DRAWING.

件9详图
DETAIL OF SERIAL NO.9
不按比例 NO SCALE



24		内筋 INTERNAL RUNG	3	SA-36	2.4	7.2	
23		封板 ø92x8 END PLATE	1	SA-516 Gr.70		0.3	
22		套管 NPS3.5" Sch40 SLEEVE	1	SA-106 Gr. B		0.92	
21		支承板 SUPPORT PLATE	1	SA-516 Gr.70		1.3	
20		注油嘴 NPT 1/4" GREASE FITTING	2	S.S.304	0.05	0.1	
19		管接头 PIPE	2	S.S.304	0.01	0.02	
18		黄铜板 ø127/ø91x8 BRASS WEAR PLATE	1	BRASS		0.1	
17		支撑环 ø127/ø91x14 BEARING RING	2	SA-516 Gr.70	0.7	1.4	
16		转臂 NPS3" Sch80 L=1134 ROTATIONAL ARM	1	SA-106 Gr. B		25.7	
15	ASME B18.8.1	开口销 5/32" L=40 SPLIT PIN	1	S.S.304		0.2	
14	ASME B18.21.1-2009	A型平垫圈 3/4" W PLAIN WASHER TYPE A	1	ASTM F436 TYPE1		0.014	
13	ASME B18.2.2	重型六角螺母 3/4"-10UNC HEAVY HEX NUT	2	SA-194 Gr. 2H	0.052	0.104	
12		封板 ø64x8 END PLATE	1	SA-516 Gr.70		0.3	
11		吊件 SUSPENDER	1	ASTM A489 TYPE1		0.8	
10		吊环 LIFTING RING	1	SA-36		0.5	
9		补强圈 O.D.940x12 REINFORCING PAD	1	SA-516 Gr.70(热轧) SA-516 Gr.70 (HOT ROLLED)		30.8	
8		接管 ø610x12 L=221.5 PIPE	1	SA-516 Gr.70(热轧) SA-516 Gr.70 (HOT ROLLED)		38.5	
7	ASME B18.21.1-2009	A型平垫圈 1 1/4" W C=6 PLAIN WASHER TYPE A	40+4	ASTM F436 TYPE1	/	/	
6	ASME B18.2.2-2015	螺母(重型系列) 1 1/4"-UNC-2B SCREW NUT(HEAVY SERIES)	40+4	SA-194 Gr. 2H	0.429	18.88	
5	ASME B18.2.1-2012	全螺纹螺柱 1 1/4"-UNC-2A-190L FULLY THREADED STUD	20+2	SA-193 Gr. B7	1.156	25.43	
4	ASME B16.5-2013	法兰 NPS 24-CL150 WN/RF B=586 FLANGE	1	SA-105(正火) SA-105 (NORMALIZED)		122	
3	ASME B16.20-2017	缠绕垫 24-150-316/F.G. SPIRAL-WOUND GASKET	1+2	组合件 ASSEMBLY PARTS	/	/	带内环环，材质为316 WITH INNER RING, MATERIAL IS 316
2	ASME B16.5-2013	法兰盖 NPS 24-CL150 BL/RF BLIND FLANGE	1	SA-105(正火) SA-105 (NORMALIZED)		189	
1		把手 ø20 HANDLE	2	SA-36	0.64	1.28	

件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	重量 SINGLE WEIGHT	重量 TOTAL WEIGHT (kg)	备注 REMARK

版本号 REV. NO.	日期 DATE	说明 DESCRIPTION	设计 DESIGNED	审核 REVIEWED	批准 APPROVED	授权检验师 AI
5	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
4	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
3	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.4.13	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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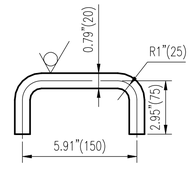
人孔
MANWAY

组合件
ASSEMBLY PARTS

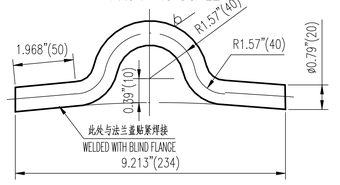
DWG. NO. A2113-R-11
JOB NO. 21-080R
SERIAL NO.
WEIGHT lbs(kg) 1025(465)
SCALE 1:10
SHT. NO. TOTAL

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

件1详图
DETAIL OF ITEM NO. 1
不按比例 NO SCALE
其余: OTHERS 1mil (25μm)

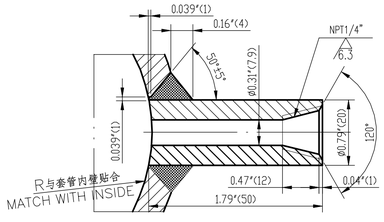


件10详图
DETAIL OF ITEM NO. 10
不按比例 NO SCALE
其余: OTHERS 1mil (25μm)

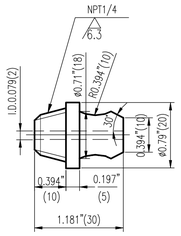


INTERNAL RUNG LOCATION DETAIL
NO SCALE

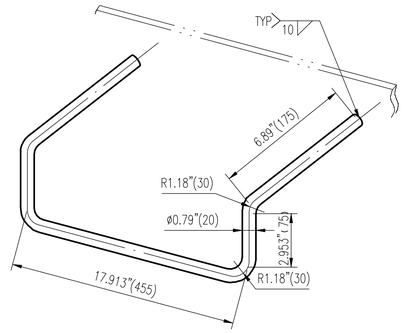
件19详图
DETAIL OF ITEM NO. 19
不按比例 NO SCALE



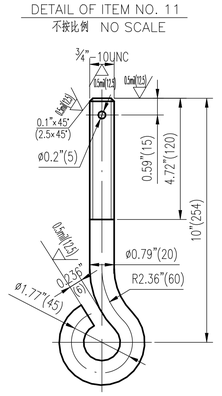
件20详图
DETAIL OF SERIAL NO. 20
不按比例 NO SCALE



件24详图
DETAIL OF ITEM NO. 24
不按比例 NO SCALE



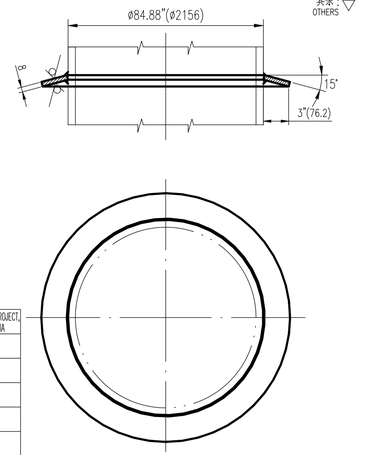
件11详图
DETAIL OF ITEM NO. 11
不按比例 NO SCALE



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DWG. NO. A2113-R-12

其余: 25 / OTHERS



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PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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环板
CONTINUOUS RING

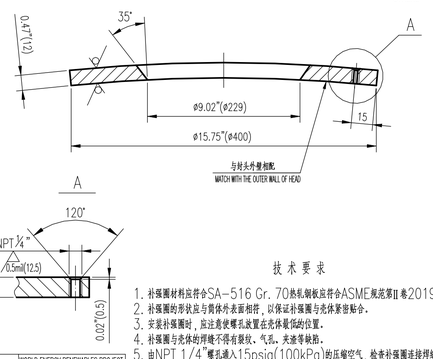
SA-516 Gr. 70

DWG. NO. A2113-R-12

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	76.6(34.8)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-13

其余: 1mil / (25μm) / OTHERS



技 术 要 求

1. 补强圈材料应符合SA-516 Gr. 70热轧钢板应符合ASME规范第II卷2019版的规定.
2. 补强圈的形状应与筒体外表面相符，以保证补强圈与壳体紧密贴合.
3. 安装补强圈时，应注意使螺孔处置在壳体最低的位置.
4. 补强圈与壳体的焊缝不得有裂纹、气孔、夹渣等缺陷.
5. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，焦焊缝不得有泄漏现象.

TECHNICAL REQUIREMENTS

1. SA-516 Gr. 70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
2. THE SHAPE OF THE REINFORCING PAD SHALL BE CONSISTENT WITH THE EXTERNAL SURFACE OF THE SHELL TO ENSURE THAT THE REINFORCING PAD FITS CLOSELY WITH THE SHELL.
3. WHEN INSTALLING THE REINFORCING PAD, IT SHOULD PAY ATTENTION THAT THE SCREW HOLE SHALL BE LOCATED AT THE LOWEST LOCATION OF THE SHELL.
4. THE WELD OF THE REINFORCING PAD TO SHELL SHALL BE FREE OF CRACKS, PORES, SLAG INCLUSION AND OTHER DEFECTS.
5. PURGE 15psig(100kPa) COMPRESSED AIR THROUGH NPT1/4" SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.

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PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
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REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师
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补强圈 8"
REINFORCING PAD(NOZZLE B2)

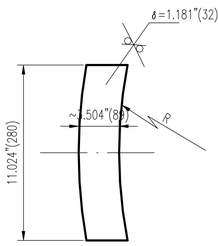
SA-516 Gr. 70

DWG. NO. A2113-R-13

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	17.5(7.95)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-5-3

其余: 1mil / (25μm) / OTHERS



注: 1. 图中R值应与封头相配.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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连接板
PLATE

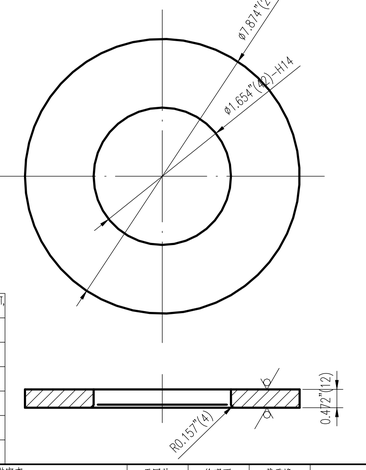
SA-516 Gr. 70

DWG. NO. A2113-R-5-3

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	12.1(5.5)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-5-4

其余: 1mil / (25μm) / OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
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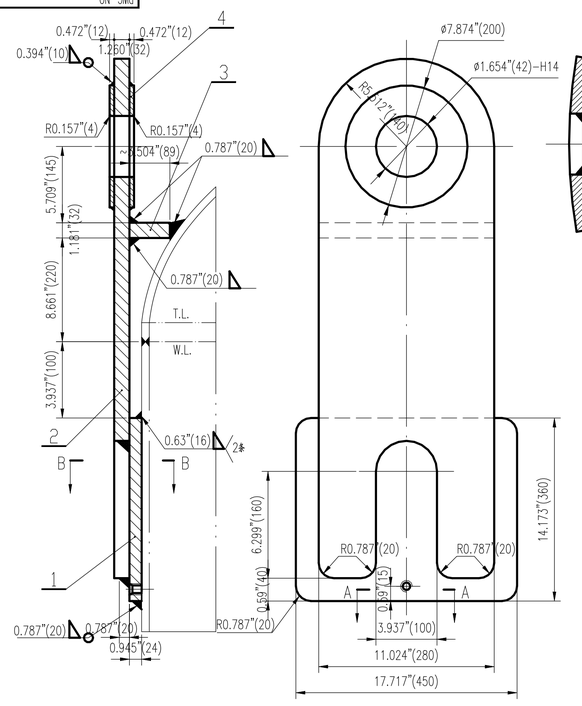
衬板
PLATE

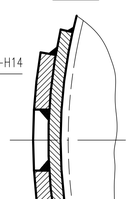
SA-516 Gr. 70

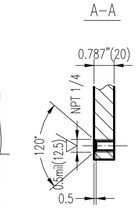
DWG. NO. A2113-R-5-4

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	6.86(3.11)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-5-0







技 术 要 求

1. 角焊缝应进行磁粉检测，检测结果应符合ASME规范第III卷第一分册强制性附录6中的规定.
2. 由NPT 1/4"螺孔通入15psig(100kPa)的压缩空气，检查补强圈连接焊缝的质量，角焊缝不得有泄漏现象.
3. 其余技术要求见总装配图.

TECHNICAL REQUIREMENTS

1. THE FILLET WELD SHALL BE EXAMINED BY MT. THE ACCEPTABLE QUALITY CRITERION SHALL CONFORM TO APPENDIX 6 OF ASME CODE SECTION VIII, DIVISION 1.
2. PURGE 0.4~0.5MPa COMPRESSED AIR THROUGH M10 SCREW HOLE. CHECK THE QUALITY OF THE CONNECTING WELD OF REINFORCING PAD. THE FILLET WELD SHALL BE FREE OF LEAKAGE.
3. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

件 号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名 称 DESCRIPTION	数量 QTY.	材 料 MATERIAL	单重 SINGLE WEIGHT (kg)	总重 TOTAL (kg)	备 注 REMARK
4	A2113-R-5-4	衬板 δ=12 PLATE	2	SA-516 Gr. 70		6.22	
3	A2113-R-5-3	连接板 δ=32 PLATE	1	SA-516 Gr. 70		5.5	
2	A2113-R-5-2	吊耳板 δ=32 LIFTING LUG PLATE	1	SA-516 Gr. 70		60	
1	A2113-R-5-1	垫板 δ=20 PAD	1	SA-516 Gr. 70		30.5	

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吊耳
LIFTING LUG

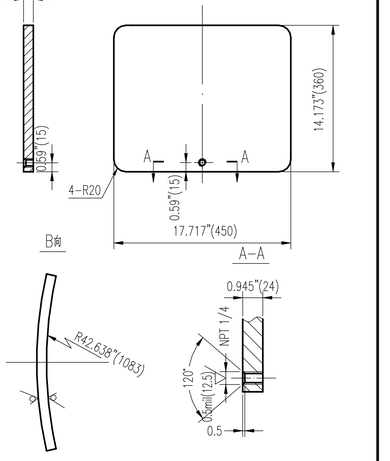
组合件
ASSEMBLY PARTS

DWG. NO. A2113-R-5-0

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	224(102)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-5-1

其余: 1mil / (25μm) / OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
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VDR CODE	BE04

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垫板
PAD

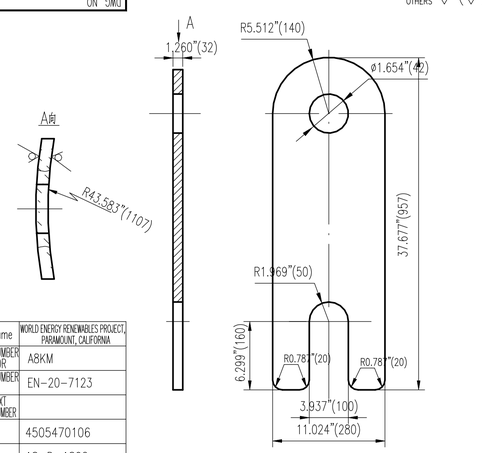
SA-516 Gr. 70

DWG. NO. A2113-R-5-1

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	67.1(30.5)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-5-2

其余: 1mil / (25μm) / OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
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吊耳板
LIFTING LUG PLATE

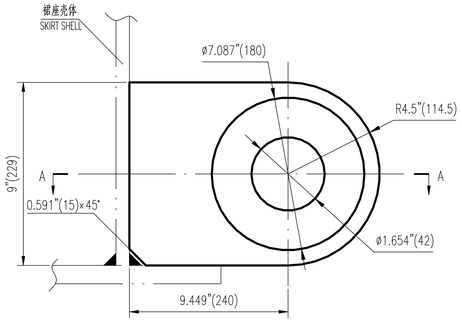
SA-516 Gr. 70

DWG. NO. A2113-R-5-2

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	132(60)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-2-1-0



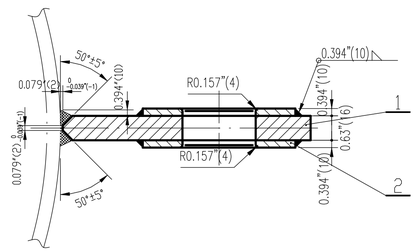
技术要求

1. 吊耳与筒体的焊接接头均应进行100%磁粉检测，检测结果应符合ASME规范第Ⅷ卷第一分册强制性附录6中的规定。
2. 其余技术要求见总装配图。

TECHNICAL REQUIREMENTS

1. THE WELDED JOINTS OF LIFTING LUG TO SHELL SHALL BE EXAMINED BY MT. THE ACCEPTABLE QUALITY CRITERION SHALL CONFORM TO APPENDIX 6 OF ASME CODE SECTION VIII, DIVISION 1.
2. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.

A – A



2	A2113-R-2-1-2	衬板 δ=10 PLATE	2	SA-516 Gr. 70	1.6	3.2	
1	A2113-R-2-1-1	吊耳板 δ=16 LIFTING LUG PLATE	1	SA-516 Gr. 70		9.5	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 SINGLE WEIGHT	总重 TOTAL (kg)	备注 REMARK
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
版本号 REV. NO.	日期 DATE	说明 DESCRIPTION	设计 DESIGNED	审核 REVIEWED	批准 APPROVED		授权检验师 AI

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

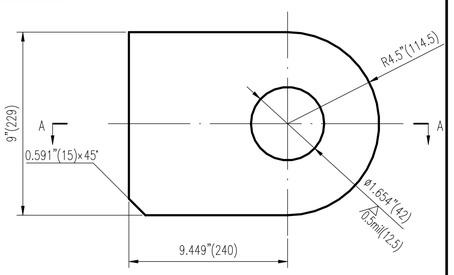
尾吊 TAIL LUG	DWG. NO. A2113-R-2-1-0	
	JOB NO.	21-080R
	SERIAL NO.	
组合件 ASSEMBLY PARTS	WEIGHT lbs(kg)	28(12.7)
	SCALE	
	SHT. NO.	TOTAL

偏(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签字 | 日期

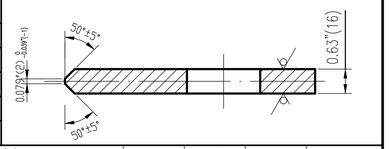
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UNAUTHORIZED DISCLOSURE TO ANY THIRD PART OR DUPLICATION IS NOT PERMITTED

DWG. NO. A2113-R-2-1-1

其余: 1mil/(25μm)
OTHERS



A – A



3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
REV. NO. 版本号	DATE 日期	DESCRIPTION 说明	DESIGNED 设计	REVIEWED 审核	APPROVED 批准	AI 授权检验师

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

Air Products Manufacturing LLC
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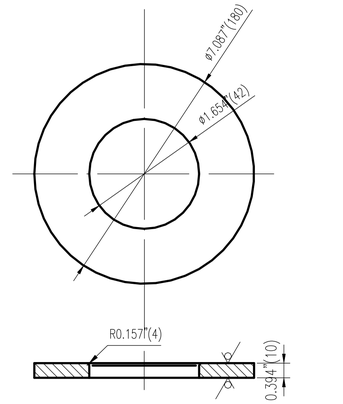
吊耳板 LIFTING LUG PLATE	DWG. NO. A2113-R-2-1-1	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	20.9(9.5)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

偏(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签字 | 日期

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DWG. NO. A2113-R-2-1-2

其余: 1mil/(25μm)
OTHERS



3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
REV. NO. 版本号	DATE 日期	DESCRIPTION 说明	DESIGNED 设计	REVIEWED 审核	APPROVED 批准	AI 授权检验师

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
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VDR CODE	BE04

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江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

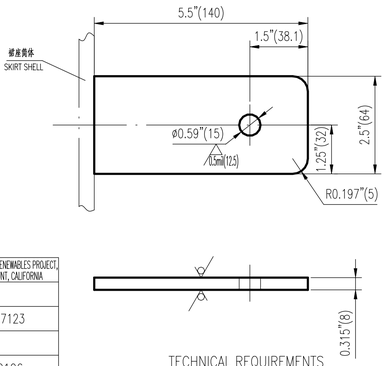
衬板 PLATE	DWG. NO. A2113-R-2-1-2	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	3.52(1.6)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

偏(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签字 | 日期

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DWG. NO. A2113-R-1

其余: 1mil/(25μm)
OTHERS



TECHNICAL REQUIREMENTS

1. THE PERIMETER AND HOLE EDGE SURFACE SHOULD BE SMOOTH, WITHOUT BURS, NICKS AND OTHER BUGS.
1. 周边及孔边去毛刺，飞边。

5	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
4	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
3	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.4.13	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
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Air Products Manufacturing LLC
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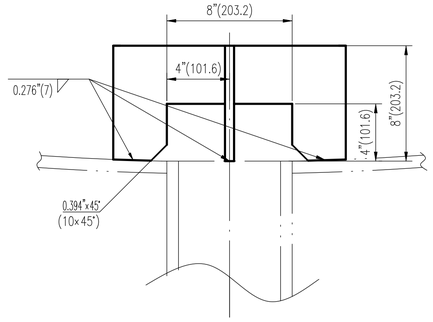
接地板 GROUNDING LUG	DWG. NO. A2113-R-1	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	1.32(0.6)
S30408	SCALE	1:2
	SHT. NO.	TOTAL

偏(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签字 | 日期

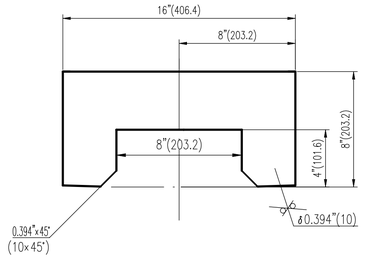
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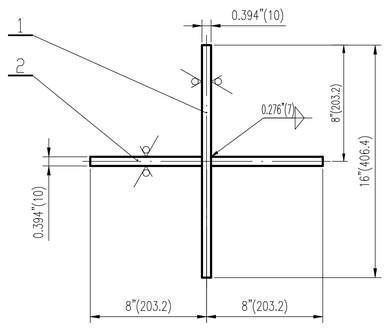
DWG. NO. A2113-R-17

其余: 1mil/(25μm)
OTHERS



件号1详图
DETAIL OF SERIAL NO.1
NO SCALE





TECHNICAL REQUIREMENTS

1. SA-516 Gr.70 HOT-ROLLED PLATES SHALL CONFORM TO THE PROVISIONS ASME CODE SECTION II, 2019 EDITION.
1. SA-516 Gr.70热轧钢板应符合ASME规范第Ⅱ卷2019版SA-516的规定。

2		钢板 δ=10 PLATE	2	SA-516 Gr.70	2.4	4.8	
1	按本图 ACCORDING TO THIS DRAWING	钢板 δ=10 PLATE	1	SA-516 Gr.70		4.9	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 SINGLE WEIGHT	总重 TOTAL (kg)	备注 REMARK
2	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
1	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
版本号 REV. NO.	日期 DATE	说明 DESCRIPTION	设计 DESIGNED	审核 REVIEWED	批准 APPROVED		授权检验师 AI

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

防涡流挡板 VORTEX BREAKER	DWG. NO. A2113-R-17	
	JOB NO.	21-080R
	SERIAL NO.	
组合件 ASSEMBLY PARTS	WEIGHT lbs(kg)	21.4(9.7)
	SCALE	
	SHT. NO.	TOTAL

偏(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签字 | 日期

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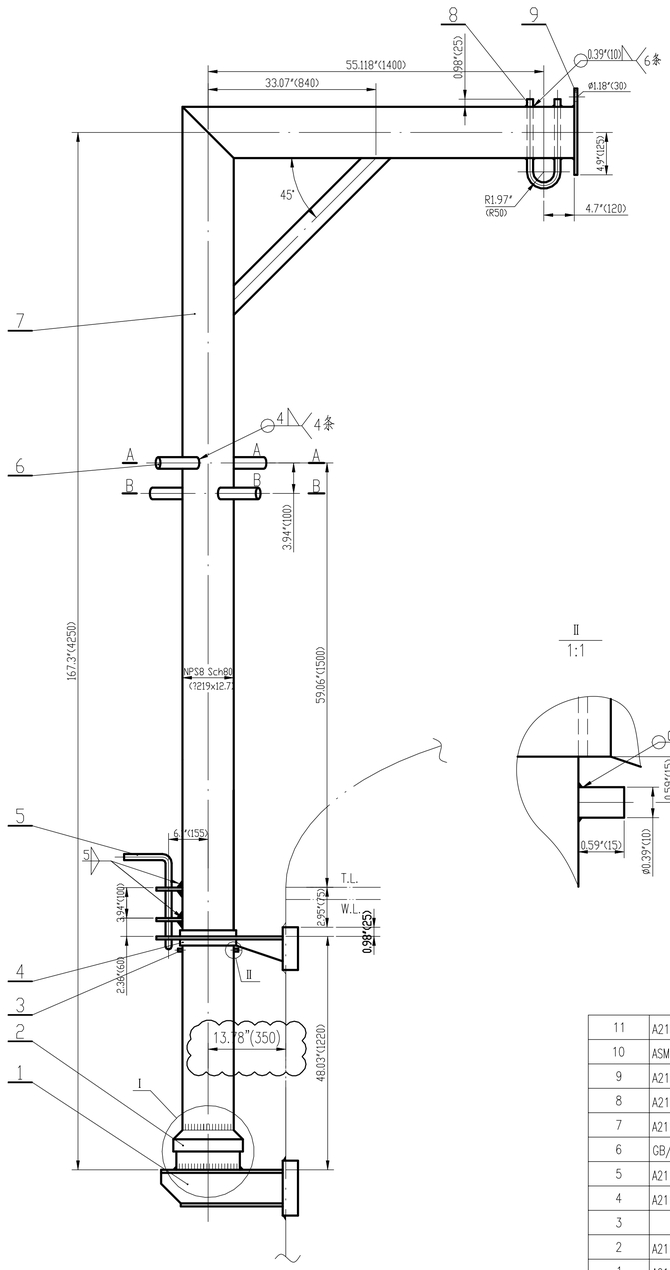
DWG. NO. A2113-R-16-0

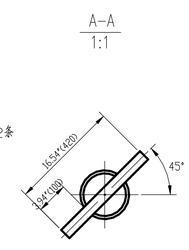
技术要求

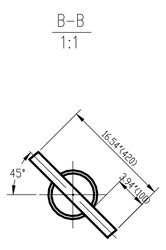
1. 吊柱安装要垂直，上下支座的中心线要对中。
2. 焊接采用电弧焊。除图中注明外，角焊缝的焊脚高度按较薄板的厚度。
3. 件号2防雨罩和件号3挡销现场组装时焊接。
4. 吊柱安装好后，下支座应加润滑脂，吊柱转动要灵活。

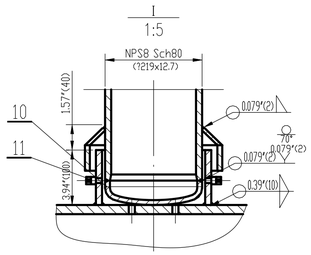
TECHNICAL REQUIREMENTS

1. THE DAVIT SHALL BE INSTALLED VERTICALLY. THE CENTERLINES OF THE UPPER AND LOWER SUPPORTS SHALLBE ALIGNED.
2. ARC WELDING SHALL BE USED.. UNLESS OTHERWISE SPECIFIED, THE LEG HEIGHT OF FILLET WELD SHALL BE TAKEN AS THE THICKNESS OF THE THINNER OF THE TWO PARTS JOINED.
3. ITEM 2 (THE RAIN COVER) AND ITEM 3 (THE STOP PIN) SHALL BE WELDED DURING FOELD ASSEMBLY.
4. AFTER THE DAVIT IS INSTALLED, THE LOWER SUPPORT SHALL BE LUBRICATED, AND THE DAVIT SHALL ROTATE FLEXIBLY.









件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 SINGLE (kg)	总重 TOTAL (kg)	备注 REMARK
11	A2113-R-16-8	螺塞 M12x1.25 PLUG	2	SA-36	0.1	0.2	
10	ASME B16.9-2018	管帽C NPS8 Sch80 PIPE CAP	1	SA-234 Gr. WPB		4.9	
9	A2113-R-16-7	耳板 δ=10 PLATE	1	SA-516 Gr.70		6.9	
8	A2113-R-16-6	吊钩 SUSPENDER	1	SA-36		2.7	
7	A2113-R-16-5-0	吊杆 DAVIT	1	组合件 ASSEMBLY PARTS		404	
6	GB/T8162-2018	手把 ø38x3.5 L=420 HANDLE	2	SA-106 Gr. B	1.3	2.6	
5	A2113-R-16-4-0	止动插销 STOP LATCH	1	组合件 ASSEMBLY PARTS		1.6	
4	A2113-R-16-3-0	上支座 TOP SUPPORT	1	组合件 ASSEMBLY PARTS		30.6	
3		挡销 ø10x1.5 L=15 STOP PIN	2	SA-36			
2	A2113-R-16-2-0	防雨罩 RAIN COVER	1	组合件 ASSEMBLY PARTS		1.4	
1	A2113-R-16-1-0	下支座 BOTTOM SUPPORT	1	组合件 ASSEMBLY PARTS		68	

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3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

AIR PRODUCTS

Air Products Manufacturing LLC

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

塔顶吊柱 COLUMN DAVIT	DWG. NO. A2113-R-16-0
	JOB NO. 21-080R
	SERIAL NO.
组合件 ASSEMBLY PARTS	WEIGHT (kg) 1151(523)
	SCALE
	SHT. NO. TOTAL

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
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借(通)用件登记 / 图形输出 / 底图校对 / 旧底图总号 / 底图总号 / 签字 / 日期

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DWG. NO. A2113-R-16-5-0

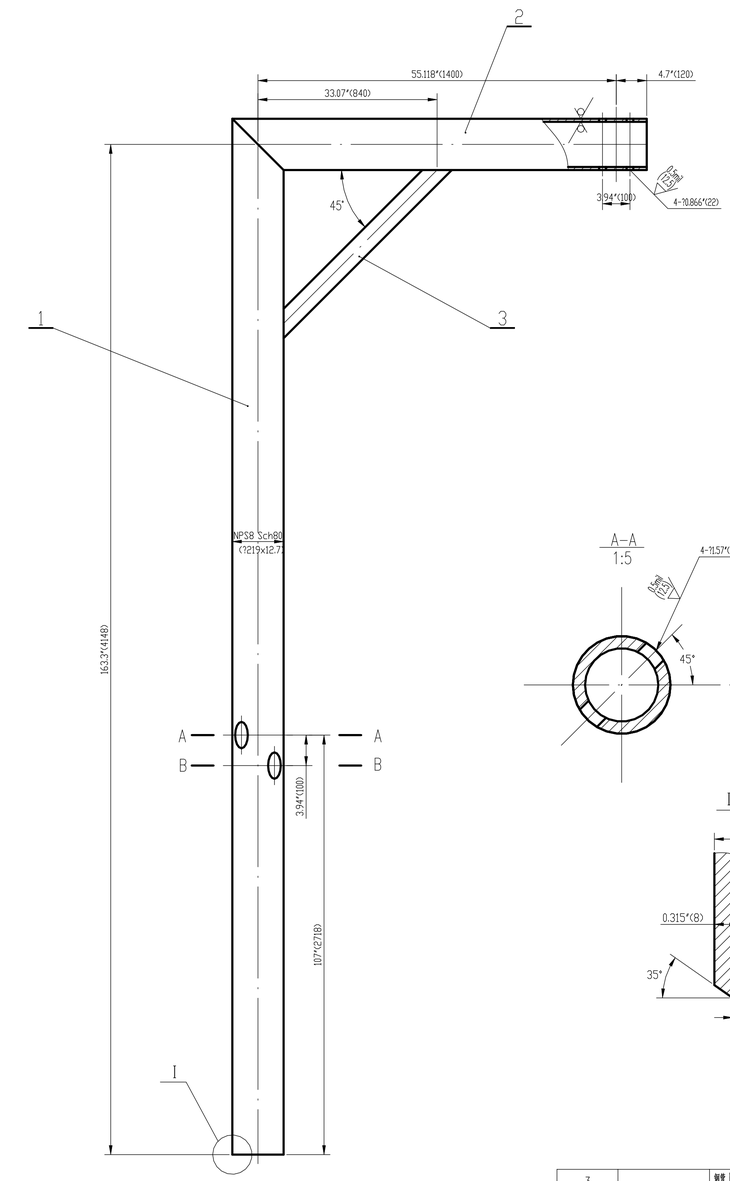
其余: OTHERS

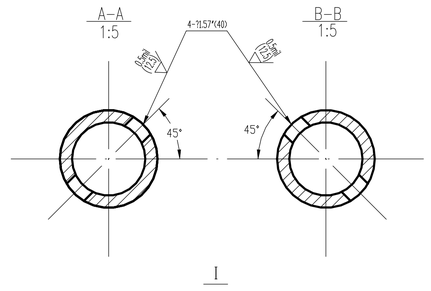
技术要求

1. 焊接采用电弧焊。
2. 其余技术要求见总装配图。

TECHNICAL REQUIREMENTS

1. ARC WELDING SHALL BE USED.
2. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.





件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL	单重 SINGLE (kg)	总重 TOTAL (kg)	备注 REMARK
3		钢管 NPS3 Sch160 L=1096 PIPE	1	SA-106 Gr. B		23.5	
2		钢管 NPS8 Sch80 L=1630 PIPE	1	SA-106 Gr. B		105	
1		钢管 NPS8 Sch80 L=4258 PIPE	1	SA-106 Gr. B		275	

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3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

AIR PRODUCTS

Air Products Manufacturing LLC

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

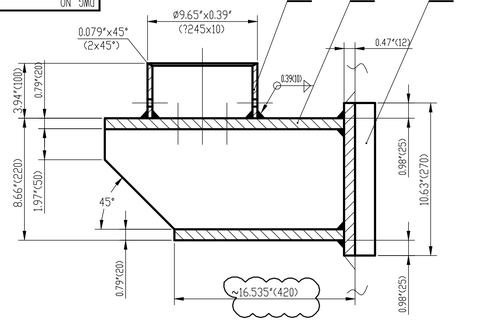
吊杆 DAVIT	DWG. NO. A2113-R-16-5-0
	JOB NO. 21-080R
	SERIAL NO.
组合件 ASSEMBLY PARTS	WEIGHT (kg) 889(404)
	SCALE
	SHT. NO. TOTAL

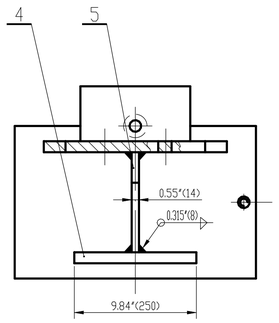
Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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Tag No.	18-D-1802
VDR CODE	BE04

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DWG. NO. A2113-R-16-1-0



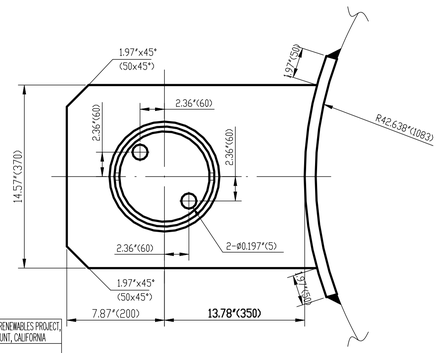


技 术 要 求

1. 焊接采用电弧焊，焊条牌号：J427，焊脚高度为7mm.
2. 其余技术要求见总装配图。

TECHNICAL REQUIREMENTS

1. ARC WELDING SHALL BE USED. TYPE OF ELECTRODE TYPE J427. THE FILLET JOINT SIZE IS 7 mm.
2. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.



5	A2113-R-16-1-5	筋板 δ=14 RIB	1	SA-516 Gr. 70		8.5	
4	A2113-R-16-1-4	下板 δ=20 LOWER PLATE	1	SA-516 Gr. 70		13.7	
3	A2113-R-16-1-3	垫板 δ=12 PAD	1	SA-516 Gr. 70		12.2	
2	A2113-R-16-1-2	上板 δ=20 UPPER PLATE	1	SA-516 Gr. 70		27.8	
1	A2113-R-16-1-1	筒管 PIPE	1	SA-106 Gr. B		5.8	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL		重量 WEIGHT (kg) 单 SINGLE 总 TOTAL	备注 REMARK
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
版本号 REV. NO.	日 期 DATE	说 明 DESCRIPTION	设 计 DESIGNED	审 核 REVIEWED	批 准 APPROVED		授权检验师 AI

AIR PRODUCTS **Air Products Manufacturing LLC**

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

下支座
BOTTOM SUPPORT

组合件
ASSEMBLY PARTS

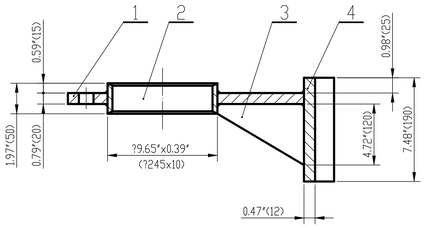
DWG. NO. A2113-R-16-1-0

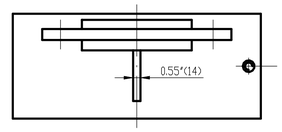
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	150(68)
SCALE	
SHT. NO.	TOTAL

借(通)用件登记
图形输出
底图校对
旧底图总号
底图总号
签 字
日 期

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DWG. NO. A2113-R-16-3-0



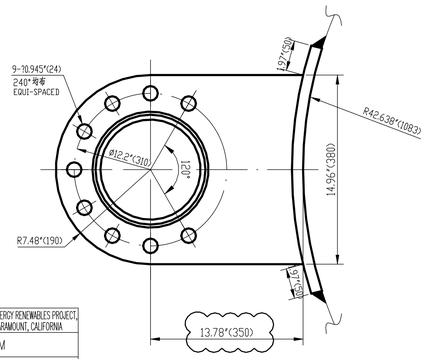


技 术 要 求

1. 焊接采用电弧焊，焊脚高度为7mm.
2. 其余技术要求见总装配图。

TECHNICAL REQUIREMENTS

1. ARC WELDING SHALL BE USED. THE FILLET JOINT SIZE IS 7 mm.
2. OTHER TECHNICAL REQUIREMENTS SEE THE GENERAL DRAWING.



4	A2113-R-16-3-4	垫板 δ=12 PAD	1	SA-516 Gr. 70		8.8	
3	A2113-R-16-3-3	筋板 δ=14 RIB	1	SA-516 Gr. 70		1.5	
2	A2113-R-16-3-2	套管 PIPE	1	SA-106 Gr. B		2.9	
1	A2113-R-16-3-1	顶板 δ=20 PLATE	1	SA-516 Gr. 70		17.4	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL		重量 WEIGHT (kg) 单 SINGLE 总 TOTAL	备注 REMARK
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
版本号 REV. NO.	日 期 DATE	说 明 DESCRIPTION	设 计 DESIGNED	审 核 REVIEWED	批 准 APPROVED		授权检验师 AI

AIR PRODUCTS **Air Products Manufacturing LLC**

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

上支座
TOP SUPPORT

组合件
ASSEMBLY PARTS

DWG. NO. A2113-R-16-3-0

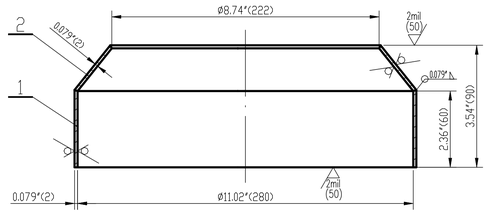
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	67.5(30.6)
SCALE	
SHT. NO.	TOTAL

借(通)用件登记
图形输出
底图校对
旧底图总号
底图总号
签 字
日 期

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DWG. NO. A2113-R-16-2-0

其余: 1mil (25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

技 术 要 求

1. 焊接采用电弧焊.

TECHNICAL REQUIREMENTS

1. ARC WELDING SHALL BE USED.

2		锥筒 δ=2 TAPER SHELL	1	SA-516 Gr. 70			0.5	
1		罩体 δ=2 SHELL	1	SA-516 Gr. 70			0.9	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL		重量 WEIGHT (kg) 单 SINGLE 总 TOTAL		备注 REMARK
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng			
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng			
REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准			AI 授权检验师

AIR PRODUCTS **Air Products Manufacturing LLC**

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

防雨罩
RAIN COVER

组合件
ASSEMBLY PARTS

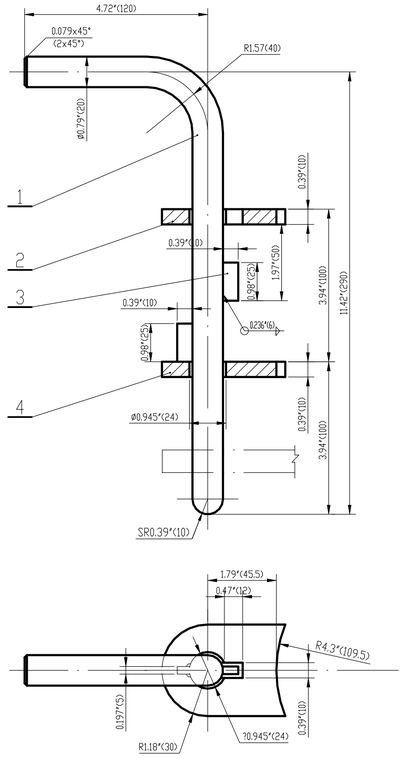
DWG. NO. A2113-R-16-2-0

JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	3.1(1.4)
SCALE	
SHT. NO.	TOTAL

借(通)用件登记
图形输出
底图校对
旧底图总号
底图总号
签 字
日 期

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DWG. NO. A2113-R-16-4-0



技 术 要 求

1. 焊接采用电弧焊.

TECHNICAL REQUIREMENTS

1. ARC WELDING SHALL BE USED.

4	A2113-R-16-4-4	耳板II δ=10 LUG PLATE II	1	SA-516 Gr. 70		0.3	
3	A2113-R-16-4-3	挡板 δ=5 PLATE	2	SA-516 Gr. 70			
2	A2113-R-16-4-2	耳板I δ=10 LUG PLATE I	1	SA-516 Gr. 70		0.3	
1	A2113-R-16-4-1	销 Ø20 PIN	1	SA-36		1	
件号 SERIAL NO.	图号及标准号 DWG. NO. OR STD.	名称 DESCRIPTION	数量 QTY.	材料 MATERIAL		重量 WEIGHT (kg) 单 SINGLE 总 TOTAL	备注 REMARK
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng		
版本号 REV. NO.	日 期 DATE	说 明 DESCRIPTION	设 计 DESIGNED	审 核 REVIEWED	批 准 APPROVED		授权检验师 AI

AIR PRODUCTS **Air Products Manufacturing LLC**

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

止动插销
STOP LATCH

组合件
ASSEMBLY PARTS

DWG. NO. A2113-R-16-4-0

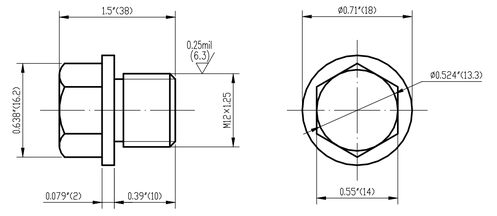
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	3.53(1.6)
SCALE	
SHT. NO.	TOTAL

借(通)用件登记
图形输出
底图校对
旧底图总号
底图总号
签 字
日 期

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DWG. NO. A2113-R-16-8

其余: 1mil (25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师

AIR PRODUCTS **Air Products Manufacturing LLC**

江联集团 **JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.**

螺塞 M12x1.25
PLUG

SA-36

DWG. NO. A2113-R-16-8

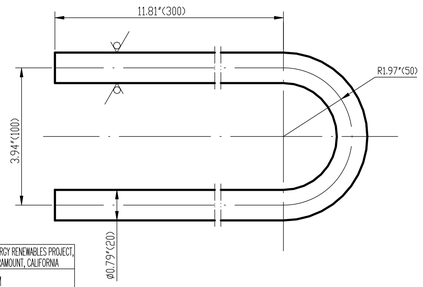
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	0.22(0.1)
SCALE	
SHT. NO.	TOTAL

借(通)用件登记
图形输出
底图校对
旧底图总号
底图总号
签 字
日 期

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DWG. NO. A2113-R-16-6

其余: 1mil/(25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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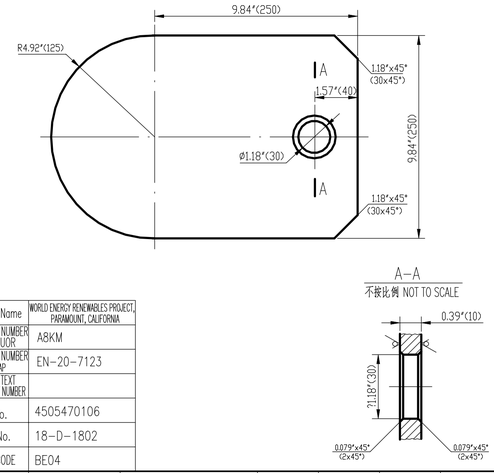
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

吊钩 SUSPENDER	DWG. NO. A2113-R-16-6	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	5.95(2.7)
SA-36	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-7

其余: 1mil/(25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

借(通)用件登记
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日 期

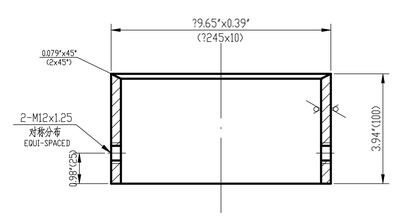
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

封板 PLATE	DWG. NO. A2113-R-16-7	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	15.2(6.9)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-1-1

其余: 1mil/(25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
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Tag No.	18-D-1802
VDR CODE	BE04

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2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

借(通)用件登记
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日 期

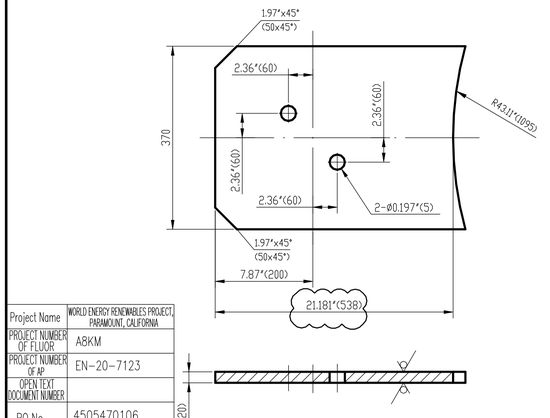
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

座圈 PIPE	DWG. NO. A2113-R-16-1-1	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	12.79(5.8)
SA-106 Gr. B	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-1-2

其余: 1mil/(25)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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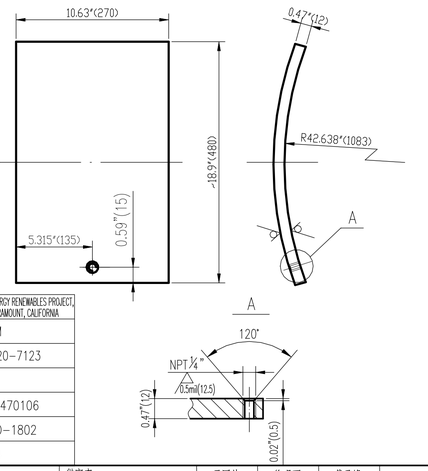
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

上板 UPPER PLATE	DWG. NO. A2113-R-16-1-2	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	61.3(27.8)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-1-3

其余: 2mil/(50)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师
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0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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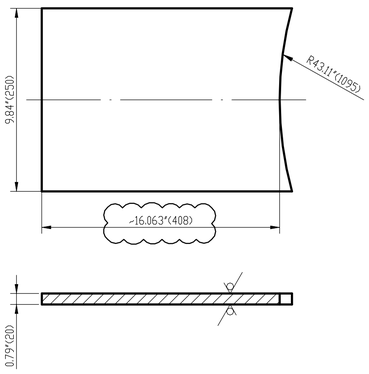
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

垫板 PAD	DWG. NO. A2113-R-16-1-3	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	26.9(12.2)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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UNAUTHORIZED DISCLOSURE TO ANY THIRD PART OR DUPLICATION IS NOT PERMITTED

DWG. NO. A2113-R-16-1-4

其余: 2mil/(50)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
VDR CODE	BE04

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1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2021.11.9	供审查 FOR APPROVAL	揭雄飞 Jie Jifei	戴雪峰 Dai Xuefeng		

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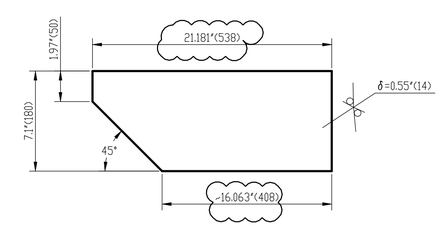
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

下板 LOWER PLATE	DWG. NO. A2113-R-16-1-4	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	30.2(13.7)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-1-5

其余: 2mil/(50)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
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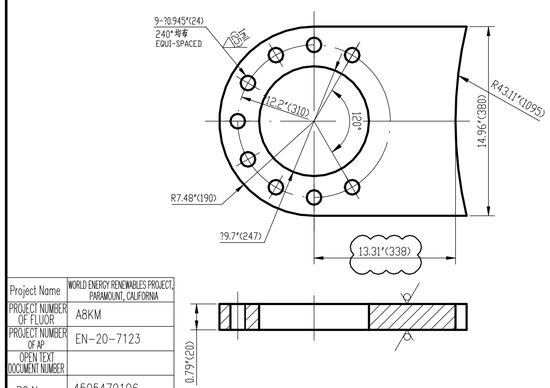
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

筋板 RIB	DWG. NO. A2113-R-16-1-5	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	18.7(8.5)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-3-1

其余: 2mil/(50)
OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
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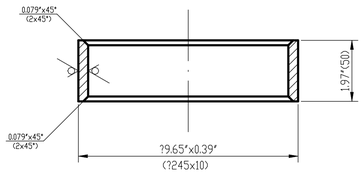
Air Products Manufacturing LLC
江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

钢板 PLATE	DWG. NO. A2113-R-16-3-1	
	JOB NO.	21-080R
	SERIAL NO.	
	WEIGHT lbs(kg)	38.4(17.4)
SA-516 Gr. 70	SCALE	
	SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-3-2

其余: 1mil/(25) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
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0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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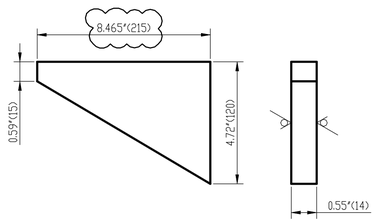
套管
PIPE

SA-106 Gr. B

DWG. NO.	A2113-R-16-3-2
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	6.4(2.9)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-16-3-3

其余: 2mil/(50) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
PROJECT NUMBER OF FLUOR	A8KM
PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
PO No.	4505470106
Tag No.	18-D-1802
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0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

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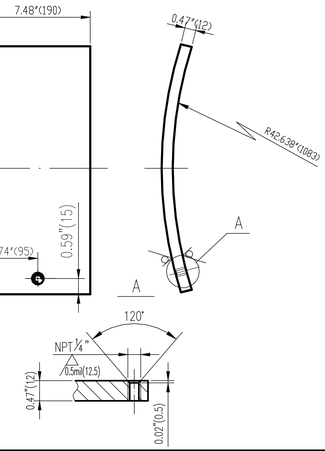
筋板
RIB

SA-516 Gr. 70

DWG. NO.	A2113-R-16-3-3
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	3.3(1.5)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-16-3-4

其余: 2mil/(50) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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PROJECT NUMBER OF AP	EN-20-7123
OPEN TEXT DOCUMENT NUMBER	
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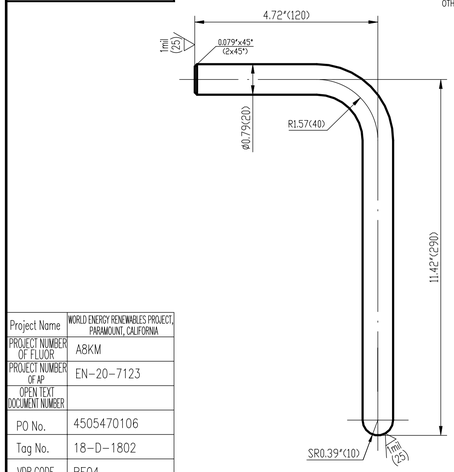
垫板
PAD

SA-516 Gr. 70

DWG. NO.	A2113-R-16-3-4
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	19.4(8.8)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-16-4-1

其余: 2mil/(50) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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OPEN TEXT DOCUMENT NUMBER	
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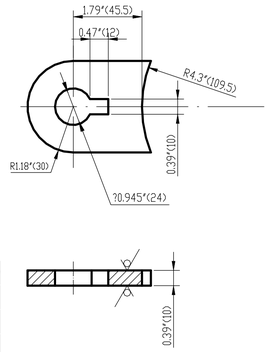
SA-36

DWG. NO.	A2113-R-16-4-1
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	2.2(1)
SCALE	
SHT. NO.	TOTAL

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DWG. NO. A2113-R-16-4-2

其余: 0.5mil/(12.5) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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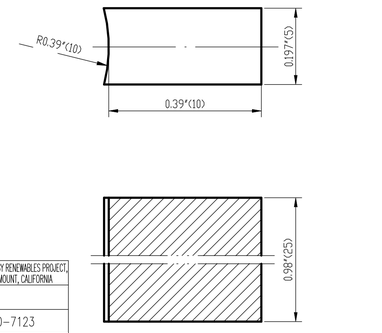
耳板Ⅰ
LUG PLATE Ⅰ

SA-516 Gr. 70

DWG. NO.	A2113-R-16-4-2
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	0.66(0.3)
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-16-4-3

全部: 2mil/(50) ALL



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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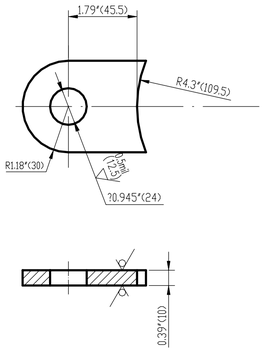
挡板
PLATE

SA-516 Gr. 70

DWG. NO.	A2113-R-16-4-3
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	
SCALE	
SHT. NO.	TOTAL

DWG. NO. A2113-R-16-4-4

其余: 2mil/(50) OTHERS



Project Name	WORLD ENERGY RENEWABLES PROJECT, PARAMOUNT, CALIFORNIA
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Tag No.	18-D-1802
VDR CODE	BE04

REV. NO. 版本号	DATE 日 期	DESCRIPTION 说 明	DESIGNED 设 计	REVIEWED 审 核	APPROVED 批 准	AI 授权检验师
3	2022.9.6	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
2	2022.7.21	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
1	2022.6.18	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	
0	2022.4.8	供审查 FOR APPROVAL	于国帅 Yu Guoshuai	徐观石 Xu Guanshi	戴雪峰 Dai Xuefeng	

借(通)用件登记 | 图形输出 | 底图校对 | 旧底图总号 | 底图总号 | 签 字 | 日 期

AIR PRODUCTS Air Products Manufacturing LLC

江联集团 JIANGLIAN HEAVY INDUSTRY GROUP CO., LTD.

耳板Ⅱ
LUG PLATE Ⅱ

SA-516 Gr. 70

DWG. NO.	A2113-R-16-4-4
JOB NO.	21-080R
SERIAL NO.	
WEIGHT lbs(kg)	0.66(0.3)
SCALE	
SHT. NO.	TOTAL