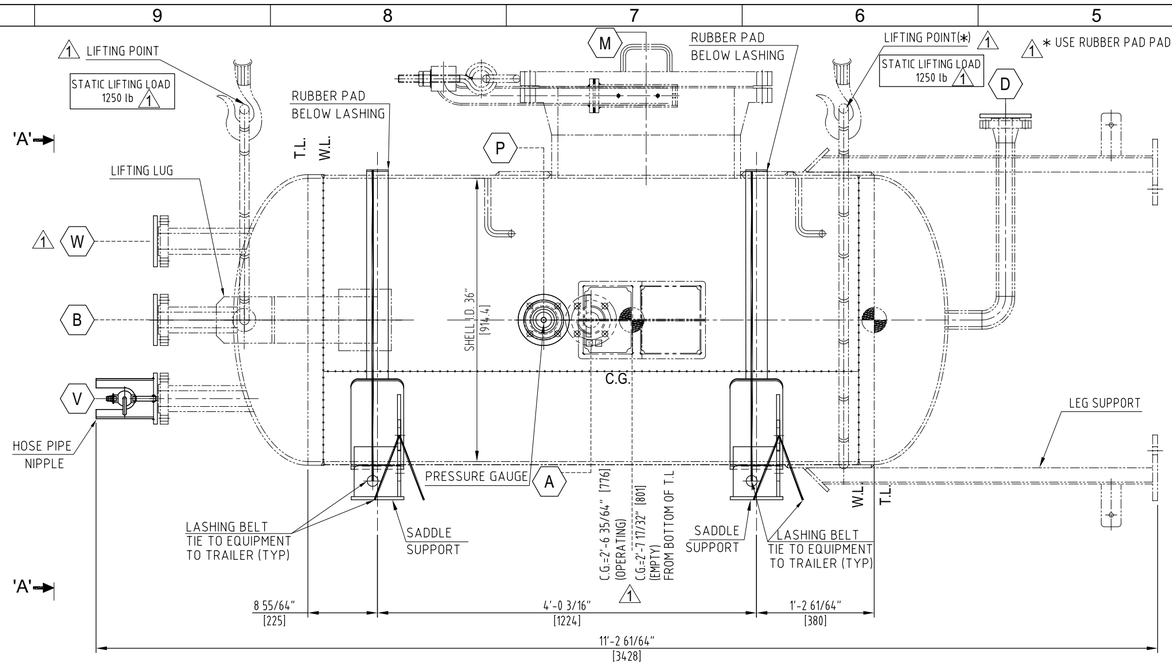


ELEVATION

Reviewed
R. [signature]
TPL 1654
25/01/2023
(RAVINDRA JIVANI)

NOTES :-

1.1) ALL DIMENSIONS ARE IN INCH / [mm]. UNLESS OTHERWISE SPECIFIED.
1.2) SIZE/MOC & QTY. ELEVATION OF WIRE ROPE, TURN BUCKLE & CLAMPS TO BE DECIDED BY MFG. IN CONSULTATION WITH TRANSPORTATION CONTRACTOR.
1.3) ALL TELLTALE HOLES SHALL BE PLUGGED WITH SILICONE SUITABLE WATER-TIGHT SILICATE MATERIAL.
1.4) ALL SHARP CORNERS TO BE ROUNDED OFF.
1.5) FILLET WELD SHALL BE 6mm (MINIMUM) UNLESS OTHERWISE SPECIFIED.
1.6) TOTAL EQUIPMENT QTY = 01 No.
1.7) EQUIPMENT SHALL BE SUITABLY TIED TO TRAILER DURING TRANSPORT.
1.8) EACH SHIPPING PACKAGE SHALL CONTAIN 2 LISTS OF CONTENTS, ONE INSIDE AND ONE OUTSIDE THE PACKAGE. ITEM NO AND PURCHASE ORDER NO SHALL BE MENTIONED ON PACKAGE.
1.9) ERECTION & COMMISSIONING SPARES SHALL BE PACKED SEPARATELY AND LABELED RESPECTIVELY. LIST SHALL BE PROVIDED ON THE OUTSIDE OF PACKAGE.
1.10) OTHER NOTES REFER GA DRAWING NO: E-23020-ME-782-GAD-0003
1.11) THE LASHING BELTS SHALL BE PROVIDE WITH RUBBER PADS TO AVOID ANY DAMAGE TO PAINT DURING TRANSPORTATION.

2. SHIPPING :

2.1) DELETED. 1
2.2) PREPARATION FOR SHIPPING SHALL BE IN ACCORDANCE WITH AP SPECIFICATIONS 4WGN - 10001. 1
2.3) DELETED.
2.4) DELETED. 1
2.5) 2.5) PRESSURIZED SHIPPING: VESSELS SHALL BE PRESSURIZED WITH 0.34 bar g (5 psig) OF DRY, OIL-FREE AIR OR NITROGEN . OPENINGS SHALL BE SUITABLY COVERED AND SEALED TO HOLD THE SHIPPING PRESSURE AND TO PREVENT THE ENTRANCE OF DIRT OR OTHER FOREIGN MATERIAL DURING SHIPMENT BY THE FOLLOWING METHODS: FLANGED OPENINGS SHALL BE SEALED USING A TEMPORARY METAL PLATE SHIPPING BLIND THAT SHALL BE FULLY BOLTED IN CONJUNCTION WITH SERVICE GASKETS.
2.6) EQUIPMENT THAT HAS BEEN PRESSURIZED FOR SHIPPING SHALL CARRY A WARNING NOTICE AT EACH BLINDED CONNECTION CLEARLY INDICATING THAT THE UNIT IS PRESSURIZED WITH EITHER AIR OR NITROGEN.
2.7) DRY, OIL FREE AIR OR NITROGEN MEANS; IT HAS A DEW POINT OF -40 DEG C (-40 DEG F) OR LOWER (WHICH IS CLASS 2 HUMIDITY AND WATER LEVEL TO ISO 8573-1) AND A TOTAL OIL CONTENT (AEROSOL, LIQUID, VAPOUR) <5mg/m3, WHICH IS CLASS 4 TOTAL OIL CONTENT TO ISO 8573-1.
2.8) A DIAPHRAGM-TYPE PRESSURE GAUGE WITH FULL SCALE READING OF 1 bar g (15 psig) SHALL BE PROVIDED TO MONITOR THE PURGE PRESSURE. A PRESSURIZATION CONNECTION (WITH SELF-SEALING OR MANUAL VALVE) SHALL BE PROVIDED.
2.9) ALL TEMPORARY SHIPPING PLUGS, METAL OR PLYWOOD COVER PLATES AND BOLTING SHALL BE PAINTED LUMINOUS YELL RAL 1026 OR SIMILAR.
2.10) FOR NITROGEN PURGING REFER SOP NO. PIL-KSEZ-MD-NF-01. 1
3) ACCELERATION FACTORS CONSIDERED FOR TRANSPORTATION - LONGITUDINAL ACCELERATION ±1.5 g; TRANSVERSE ACCELERATION ± 1.5 g ; VERTICAL ACCELERATION ± 2 g. 1
4) ALL EQUIPMENT WEIGHING OVER 16,000 kg (17.5 SHORT TONS) SHALL BE WEIGHED PRIOR TO SHIPMENT.
5) EQUIPMENT WEIGHT SHALL BE VERIFIED BEFORE TRANSPORT THE WEIGHT OF EQUIPMENT SHALL BE DETERMINED TO WITHIN ±2% OR BETTER ACCURACY. THIS SHALL BE CALCULATION (USING ACTUAL THICKNESS) OR BY THE USE CALIBRATED LOAD CELL ON THE CORNERS OF THE EQUIPMENT. OTHER METHOD THAT RESULT IN THE SAME ACCURACY ARE ACCEPTABLE. WHEN PROVIDING VERIFIED WEIGHTS THE VENDORS WILL PROVIDE EQUIPMENT CALIBRATION VERIFICATION AND OR SCALE ACCURACY INFORMATION.
6) ALL VESSEL OPENINGS SHALL BE CLOSED AND SEALED IMMEDIATELY AFTER COMPLETION OF CLEANING AND DRYING. 1
7) ALL VESSELS USING A POSITIVE PRESSURE INERT INTERNAL ATMOSPHERE SHALL HAVE THE FOLLOWING NOTICE PAINTED ON TWO SIDES OF THE SHELL AND INSULATION COVERING, IF PRESENT, IN THREE-INCH (75MM) HIGH LETTERS VISIBLE IN THE SHIPPING POSITION FROM GRADE. "CAUTION -UNDER INERT ATMOSPHERE - DO NOT OPEN WITHOUT PROPER PRECAUTIONS"
8) DELETED 3 2

SR.NO	DESCRIPTION	QTY	UOM	MAT.CODE	MATL. DESC	SIZE (MM)	TOTAL WT. kg	~150 2	REMARKS	TDC
317	GUSSET PLATE-II 2	4	EA	5007417	PLATE-IS2062-E250-BR-T10	110 x 100 x 10	4	CUT TO SUIT	N.A.	
316	JOINT PLATE 2	4	EA	5007417	PLATE-IS2062-E250-BR-T10	170x 140 x 10	4.4	CUT TO SUIT	N.A.	
315	GUSSET PLATE-I 2	4	EA	5007417	PLATE-IS2062-E250-BR-T10	150 x 150 x 10	4.8	CUT TO SUIT	N.A.	
314	GUSSET PLATE	4	EA	5007417	PLATE-IS2062-E250-BR-T10	161 x 120 x 10	6	CUT TO SUIT	N.A.	
313	BASE PLATE	2	EA	5007417	PLATE-IS2062-E250-BR-T10	855 x 170 x 10	31.6	CUT TO SUIT	N.A.	
312	WEB PLATE	2	EA	5007417	PLATE-IS2062-E250-BR-T10	835 x 329 x 10	43.2	CUT TO SUIT	N.A.	
311	WEAR PLATE	2	EA	5007417	PLATE-IS2062-E250-BR-T10	1100 x 170 x 10	29.4	CUT TO SUIT	N.A.	
310	RESTING RUBBER	2	EA	5023756	NATURAL RUBBER SHEET THK-5MM	1090 x 170 x 5	14.6	CUT TO SUIT	N.A.	
309	BARREL NIPPLE	1	EA	CODE	BARREL-NIPPLE-NPT-AISI304-1/4IN-S40-100L		--	STD.	N.A.	
308	NEEDLE VALVE	1	EA	CODE	NEEDLE-VALVE-SS304-1/4"-NPT (F)		--	STD.	N.A.	
307	LASHING LUG	4	EA	5007417	PLATE-IS2062-E250-BR-T10	150 x 100 x 10	4.8	CUT TO SUIT	N.A.	
306	HALF COUPLING	1	EA	CODE	H-CPLNG-BSP-AISI304-1/4IN		--	STD.	N.A.	
305	PRESSURE GAUGE	1	EA	CODE	PRESSURE-GAUGE		--	STD.	N.A.	
304	COVER A,B,D,P,V	5	EA	5007418	PLATE-IS2062-E250-BR-T12	165 x 12	10.05	CIRCLE	N.A.	
303	COVER W	1	EA	5007418	PLATE-IS2062-E250-BR-T12 1	165 x 12	2	CIRCLE	N.A.	
302	GASKET A,B,D,P,V	5	EA	5217589	GSK-SPLW-SS316-IR+OR-GRPH-T4.5-NPS2-600#		--	ASME B-16.20	0603	
301	GASKET W	1	EA	5217589	GSK-SPLW-SS316-IR+OR-GRPH-T4.5-NPS2-600# 1		1	ASME B-16.20	0603	

BILL OF MATERIAL

SALES ORDER No.	ITEM No.	MATERIAL No.
30002756	30	9006936

REV. NO.	DESCRIPTION	ZONE NO.	DRAWN	CHKD.	APPD.	DATE
3	ISSUED FOR AS BUILT	--	GM	SRM	SMR	02-01-2023
2	REVISED AS MARKED	--	GM	SRM	SMR	17-11-2022
1	ISSUED FOR APPROVAL	--	GM	SRM	SMR	19-09-2022
0	ISSUED FOR APPROVAL	--	GM	SRM	SMR	11-08-2022

REVISIONS

MANUFACTURING ADDRESS :-
PRAJ INDUSTRIES LTD. SEZ UNIT-I,
PLOT NO.307 TO 314, SECTOR IV, KANDLA SPECIAL ECONOMIC ZONE,
GANDHIDHAM, KUTCH, GUJARAT, 370230, INDIA
MANUFACTURER'S SERIAL NUMBER :-
E-23020-19-D-782 (QTY - 1 No.)

ASME

AIR PRODUCTS

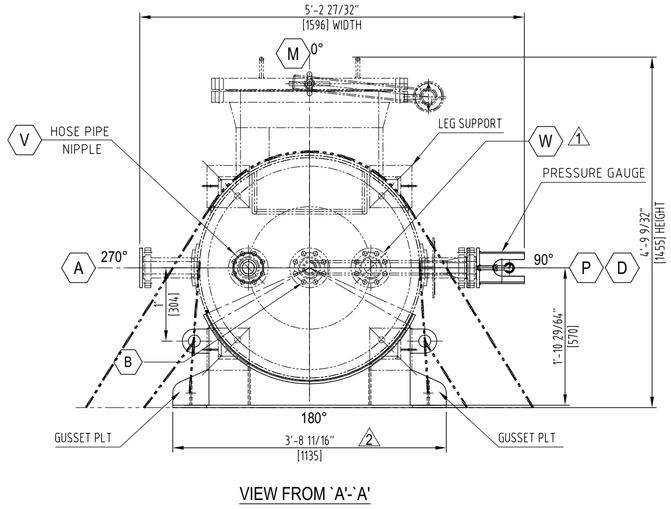
CLIENT	: WORLD ENERGY PARAMOUNT	P.O. NO. : 4505704449
EQUIPMENT OWNER	: AIR PRODUCTS MANUFACTURING LLC	PROJECT DOC. NO. : EN207124-PRAJ-9V3-00067
PROJECT	: WORLD ENERGY RENEWABLES PROJECT	CLIENT REV. NO. :
PROJECT LOCATION	: WORLD ENERGY, PARAMOUNT , CA, USA	

THIS DWG. IS THE PROPERTY OF PRAJ INDUSTRIES LTD. AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN CONSENT FROM
PRAJ INDUSTRIES LTD.
``PRAJ TOWER", Bhumkar Chowk-Hinjewadi Road, Hinjewadi, Pune-411 057. (INDIA)

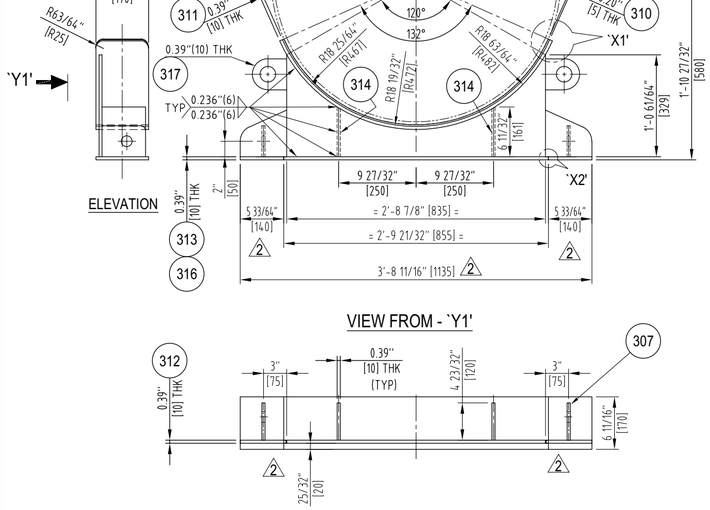
praj

TITLE :
TRANSPORTATION DETAIL DRAWING FOR
19-D-782 PLANT AIR RECEIVER FOR SELF CLEANING FILTERS

DRAWING SIZE : A2
SCALE NTS
PIL JOB CODE E-23020
DWG. NO. E-23020-ME-782-TSD-0003
SHEET 1 OF 1
REV. 0 1 2 3

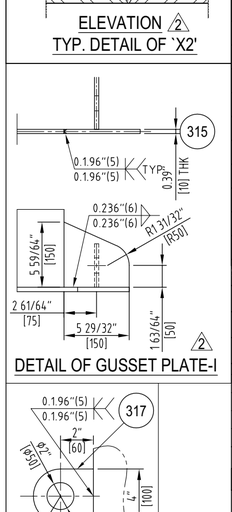


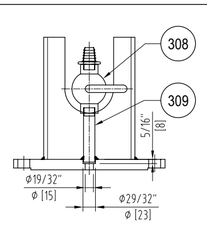
VIEW FROM `A'-`A'



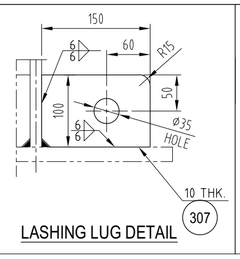
VIEW FROM - `Y1'

VIEW FROM `T'-`T'
DETAIL FOR SADDLE SUPPORT

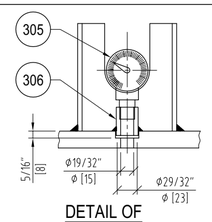




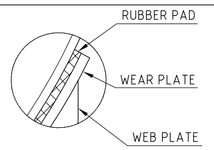
DETAIL OF HOSE PIPE NIPPLE



LASHING LUG DETAIL



DETAIL OF PRESSURE GAUGE



ELEVATION
TYP. DETAIL OF `X1'

"AS BUILT"

EQPT. FABRICATED WT. = ~ 2166 [983] lb [kg]	
TOTAL WT. FOR SUPPORT = ~ 330 [150] lb [kg]	
GROSS WT = ~ 2166 [983] + 330 [150] = ~ 2496 [1133] lb [kg] 2 1	

OVERALL SIZE OF EQUIPMENT- WITHOUT INSULATION:
LENGTH ~11'-2 61/64" [3428]
WIDTH ~5'-2 27/32" [1596]
HEIGHT ~4'-9 9/32" [1455]