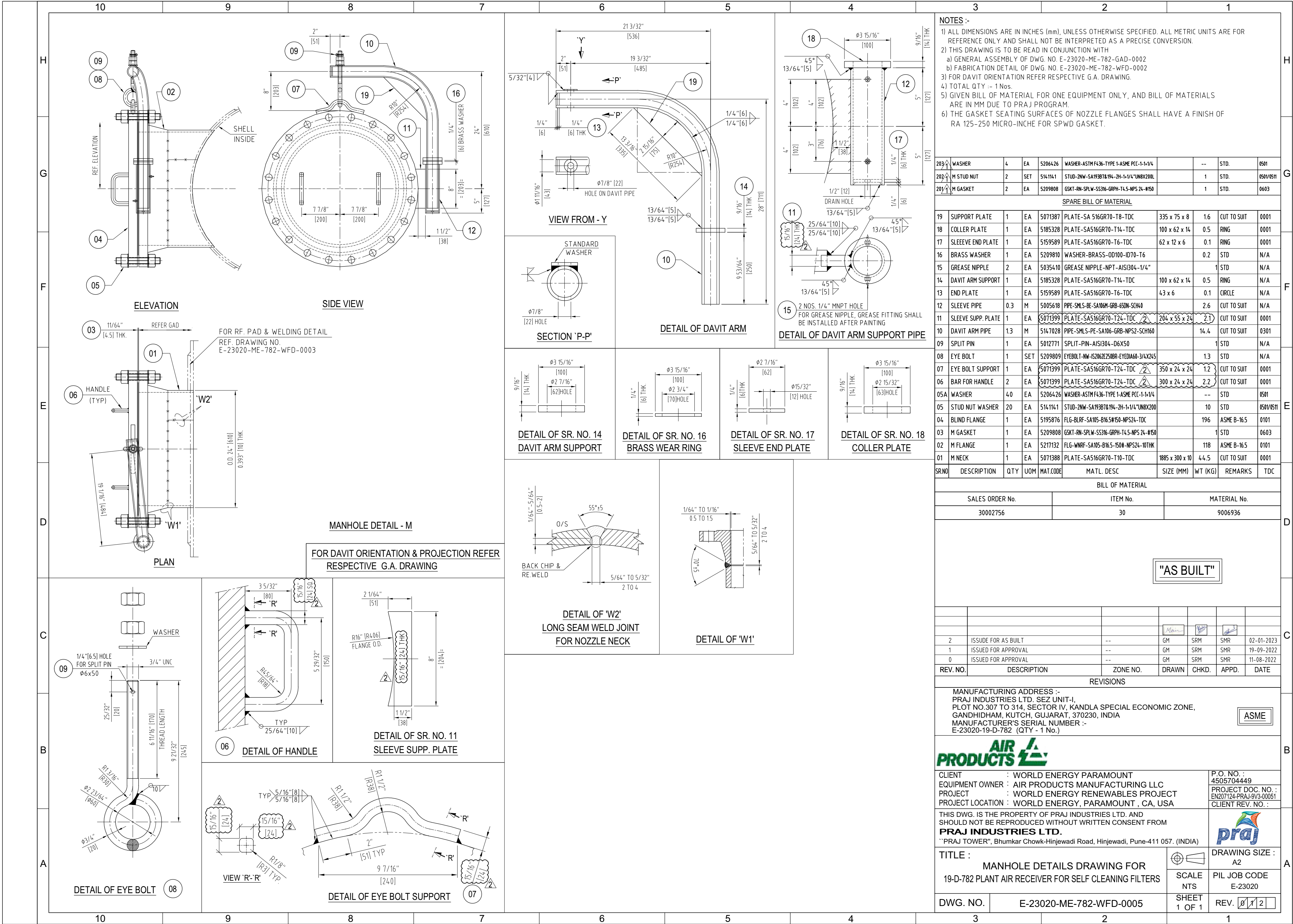


4					3					2					1				
NOTES :-																			
1) ALL DIMENSIONS ARE IN INCHES / (MM), UNLESS OTHERWISE SPECIFIED																			
2) THIS DRAWING TO BE READ IN CONJUNCTION WITH																			
a) G.A. DRAWING NO. E-23020-ME-782-GAD-0003																			
3) GIVEN BILL OF MATERIAL IS FOR 1 NO. EQUIPMENT ONLY & TOTAL EQUIPMENT QTY IS 1 No.																			
4) FILLET WELD SHALL BE 1/4"[6] mm (MINIMUM) UNLESS OTHERWISE SPECIFIED.																			





NOTES :-  
1) ALL DIMENSIONS ARE IN INCHES (mm), UNLESS OTHERWISE SPECIFIED. ALL METRIC UNITS ARE FOR REFERENCE ONLY AND SHALL NOT BE INTERPRETED AS A PRECISE CONVERSION.  
2) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH  
a) GENERAL ASSEMBLY OF DWG. NO. E-23020-ME-782-GAD-0002  
b) FABRICATION DETAIL OF DWG. NO. E-23020-ME-782-WFD-0002  
3) FOR DAVIT ORIENTATION REFER RESPECTIVE G.A. DRAWING.  
4) TOTAL QTY :- 1 Nos.  
5) GIVEN BILL OF MATERIAL FOR ONE EQUIPMENT ONLY, AND BILL OF MATERIALS ARE IN MM DUE TO PRAJ PROGRAM.  
6) THE GASKET SEATING SURFACES OF NOZZLE FLANGES SHALL HAVE A FINISH OF RA 125-250 MICRO-INCH FOR SPWD GASKET.

203	WASHER	4	EA	5206426	WASHER-ASTM F436-TYPE 1-ASME PCC-1-1-1/4	--	STD.	0501
202	M STUD NUT	2	SET	5161141	STUD-2NW-SA193B78194-2H-1-1/4"UN8X200L	1	STD.	0501/0511
201	M GASKET	2	EA	5209808	GSKT-RN-SPLW-SS316-GRPH-T4.5-NPS 24-#150	1	STD.	0603

SPARE BILL OF MATERIAL								
19	SUPPORT PLATE	1	EA	5071387	PLATE-SA 516GR70-T8-TDC	335 x 75 x 8	1.6	CUT TO SUIT 0001
18	COLLER PLATE	1	EA	5185328	PLATE-SA516GR70-T14-TDC	100 x 62 x 14	0.5	RING 0001
17	SLEEVE END PLATE	1	EA	5159589	PLATE-SA516GR70-T6-TDC	62 x 12 x 6	0.1	RING 0001
16	BRASS WASHER	1	EA	5209810	WASHER-BRASS-OD100-ID70-T6		0.2	STD N/A
15	GREASE NIPPLE	2	EA	5035410	GREASE NIPPLE-NPT-AISI304-1/4"		1	STD N/A
14	DAVIT ARM SUPPORT	1	EA	5185328	PLATE-SA516GR70-T14-TDC	100 x 62 x 14	0.5	RING N/A
13	END PLATE	1	EA	5159589	PLATE-SA516GR70-T6-TDC	43 x 6	0.1	CIRCLE N/A
12	SLEEVE PIPE	0.3	M	5005618	PIPE-SMLS-BE-SA106M-GRB-65DN-SCH40		2.6	CUT TO SUIT N/A
11	SLEEVE SUPP. PLATE	1	EA	5071399	PLATE-SA516GR70-T24-TDC	204 x 55 x 24	2.1	CUT TO SUIT 0001
10	DAVIT ARM PIPE	1.3	M	5167028	PIPE-SMLS-PE-SA106-GRB-NPS2-SCH160		14.4	CUT TO SUIT 0301
09	SPLIT PIN	1	EA	5012771	SPLIT-PIN-AISI304-D6X50		1	STD N/A
08	EYE BOLT	1	SET	5209809	EYEBOLT-NW-452062E250BR-EYEDIA60-3/4X245		1.3	STD N/A
07	EYE BOLT SUPPORT	1	EA	5071399	PLATE-SA516GR70-T24-TDC	350 x 24 x 24	1.2	CUT TO SUIT 0001
06	BAR FOR HANDLE	2	EA	5071399	PLATE-SA516GR70-T24-TDC	300 x 24 x 24	2.2	CUT TO SUIT 0001
05A	WASHER	40	EA	5206426	WASHER-ASTM F436-TYPE 1-ASME PCC-1-1-1/4		--	STD 0501
05	STUD NUT WASHER	20	EA	5161141	STUD-2NW-SA193B78194-2H-1-1/4"UN8X200		10	STD 0501/0511
04	BLIND FLANGE	1	EA	5195876	FLG-BLRF-SA105-B16.5#150-NPS24-TDC		196	ASME B-16.5 0101
03	M GASKET	1	EA	5209808	GSKT-RN-SPLW-SS316-GRPH-T4.5-NPS 24-#150		1	STD 0603
02	M FLANGE	1	EA	5217132	FLG-WNRF-SA105-B16.5-150#-NPS24-10THK		118	ASME B-16.5 0101
01	M NECK	1	EA	5071388	PLATE-SA516GR70-T10-TDC	1885 x 300 x 10	44.5	CUT TO SUIT 0001

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

"AS BUILT"

2	ISSUE FOR AS BUILT	--	GM	SRM	SMR	02-01-2023
1	ISSUED FOR APPROVAL	--	GM	SRM	SMR	19-09-2022
0	ISSUED FOR APPROVAL	--	GM	SRM	SMR	11-08-2022

REV. NO.	DESCRIPTION	ZONE NO.	DRAWN	CHKD.	APPD.	DATE
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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.)



CLIENT	: WORLD ENERGY PARAMOUNT	P.O. NO. :	4505704449
EQUIPMENT OWNER	: AIR PRODUCTS MANUFACTURING LLC	PROJECT DOC. NO. :	EN207124-PRAJ-9V3-00051
PROJECT	: WORLD ENERGY RENEWABLES PROJECT	CLIENT REV. NO. :	
PROJECT LOCATION	: WORLD ENERGY, PARAMOUNT , CA, USA		

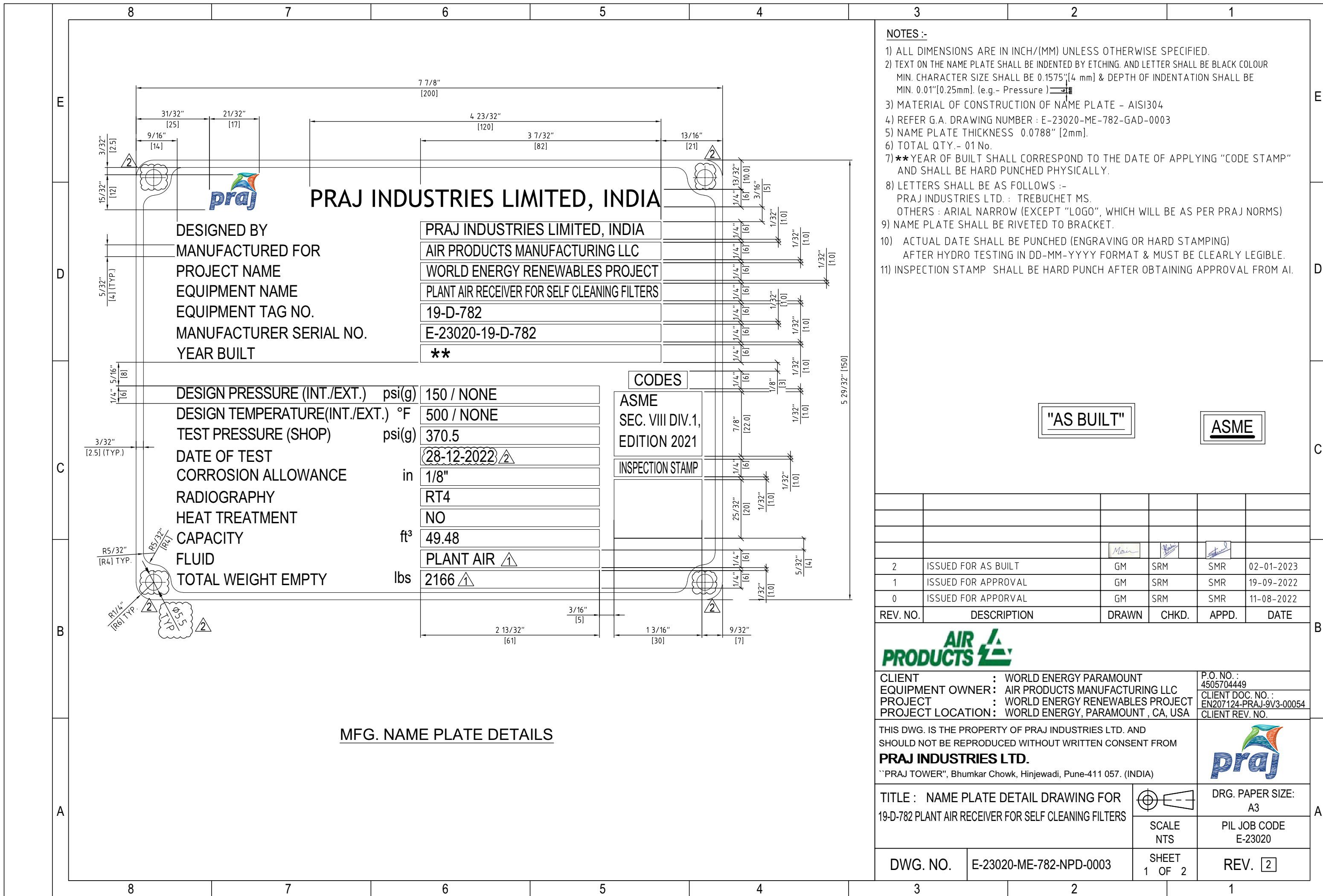
THIS DWG. IS THE PROPERTY OF PRAJ INDUSTRIES LTD. AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN CONSENT FROM  
**PRAJ INDUSTRIES LTD.**  
"PRAJ TOWER", Bhumkar Chowk-Hinjewadi Road, Hinjewadi, Pune-411 057. (INDIA)

TITLE : MANHOLE DETAILS DRAWING FOR 19-D-782 PLANT AIR RECEIVER FOR SELF CLEANING FILTERS		DRAWING SIZE : A2	
DWG. NO. : E-23020-ME-782-WFD-0005		PIL JOB CODE E-23020	
SHEET 1 OF 1		REV. 01/2	



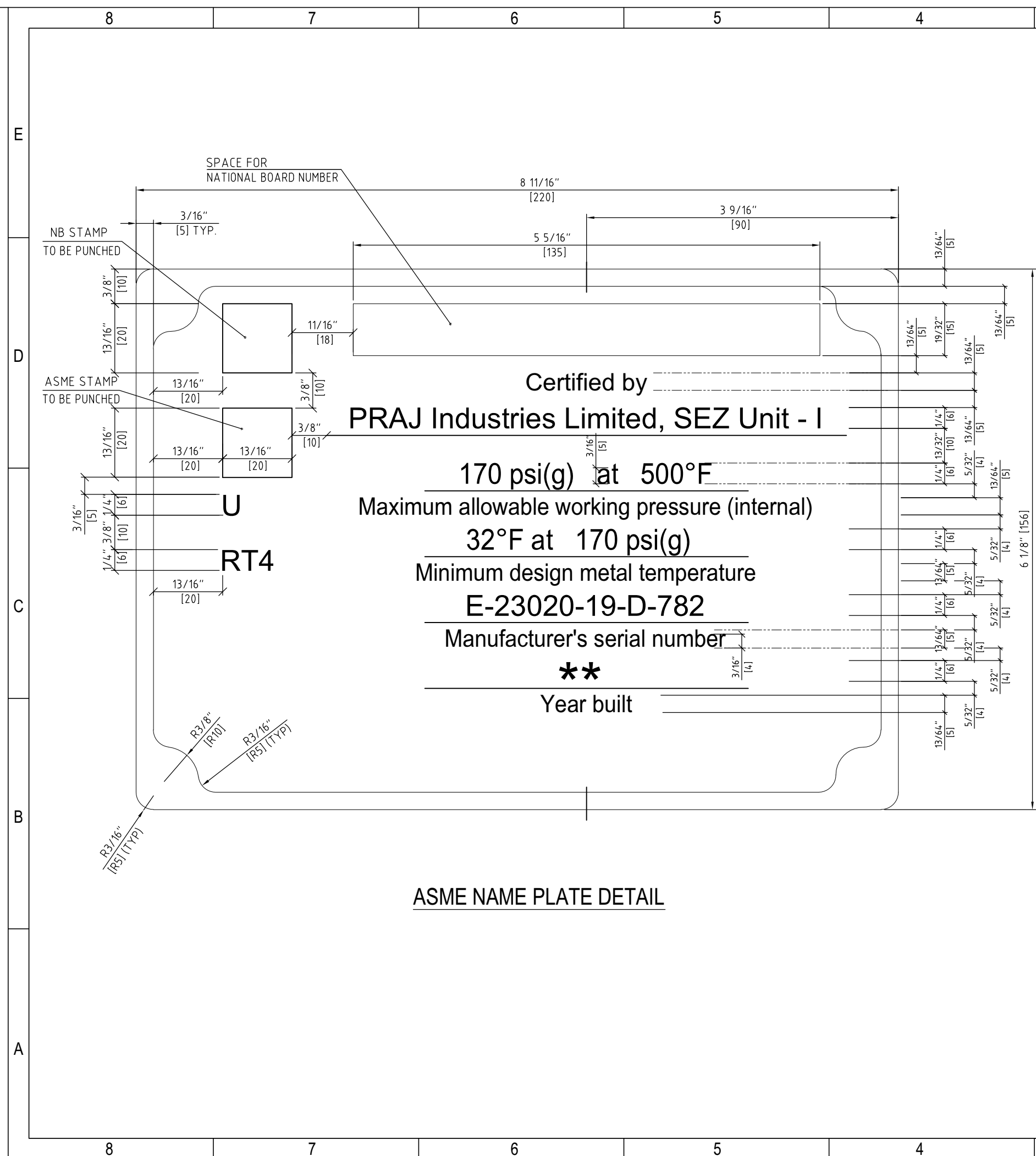






- NOTES :-
- 1) ALL DIMENSIONS ARE IN INCH/(MM) UNLESS OTHERWISE SPECIFIED.
  - 2) TEXT ON THE NAME PLATE SHALL BE INDENTED BY ETCHING. AND LETTER SHALL BE BLACK COLOUR MIN. CHARACTER SIZE SHALL BE 0.1575" [4 mm] & DEPTH OF INDENTATION SHALL BE MIN. 0.01" [0.25mm]. (e.g. - Pressure )
  - 3) MATERIAL OF CONSTRUCTION OF NAME PLATE - AISI304
  - 4) REFER G.A. DRAWING NUMBER : E-23020-ME-782-GAD-0003
  - 5) NAME PLATE THICKNESS 0.0788" [2mm].
  - 6) TOTAL QTY.- 01 No.
  - 7) \*\* YEAR OF BUILT SHALL CORRESPOND TO THE DATE OF APPLYING "CODE STAMP" AND SHALL BE HARD PUNCHED PHYSICALLY.
  - 8) LETTERS SHALL BE AS FOLLOWS :-  
PRAJ INDUSTRIES LTD. : TREBUCHET MS.  
OTHERS : ARIAL NARROW (EXCEPT "LOGO", WHICH WILL BE AS PER PRAJ NORMS)
  - 9) NAME PLATE SHALL BE RIVETED TO BRACKET.
  - 10) ACTUAL DATE SHALL BE PUNCHED (ENGRAVING OR HARD STAMPING) AFTER HYDRO TESTING IN DD-MM-YYYY FORMAT & MUST BE CLEARLY LEGIBLE.
  - 11) INSPECTION STAMP SHALL BE HARD PUNCH AFTER OBTAINING APPROVAL FROM AI.





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NOTES :-

- 1) ALL DIMENSIONS ARE IN INCH/(MM) UNLESS OTHERWISE SPECIFIED.
- 2) TEXT ON THE NAME PLATE SHALL BE INDENTED BY ETCHING. AND LETTER SHALL BE BLACK COLOUR
- 3) MIN. CHARACTER SIZE SHALL BE 0.1575" [4 mm] & DEPTH OF INDENTATION SHALL BE MIN. 0.01" [0.25mm]. (e.g.- Pressure)
- 4) MATERIAL OF CONSTRUCTION OF NAME PLATE - AISI304
- 5) ASME CERTIFICATION SYMBOL STAMP TO BE PUNCHED AFTER OBTAINING AUTHORIZATION FROM 'AI' AND IN HIS PRESENCE.
- 6) REFER G.A. DRAWING NUMBER : E-23020-ME-782-GAD-0003
- 7) NAME PLATE THICKNESS 0.0788" [2mm].
- 8) TOTAL QTY.- 01 NO.
- 9) \*\* YEAR OF BUILT SHALL CORRESPOND TO THE DATE OF APPLYING "CODE STAMP" AND SHALL BE HARD PUNCHED PHYSICALLY.
- 10) NATIONAL BOARD SYMBOL SHALL BE HARD PUNCH AFTER OBTAINING APPROVAL FROM AI.
- 11) NATIONAL BOARD SR. NO. TO BE ALLOCATED BY MANAGER QAC. AND SHALL BE HARD PUNCHED USING LETTERS OF AT LEAST 0.236" [6MM] HEIGHT.
- 2) LETTERS SHALL BE AS FOLLOWS :-  
PRAJ INDUSTRIES LTD. : TREBUCHET MS.  
OTHERS : ARIAL NARROW

## "AS BUILT"

ASME

		<u>Main</u>	<u>SRM</u>	<u>SMR</u>	
2	ISSUED FOR AS BUILT	GM	SRM	SMR	02-01-2023
1	ISSUED FOR APPROVAL	GM	SRM	SMR	19-09-2022
0	ISSUED FOR APPORVAL	GM	SRM	SMR	11-08-2022
REV. NO.	DESCRIPTION	DRAWN	CHKD.	APPD.	DATE



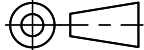
CLIENT : WORLD ENERGY PARAMOUNT  
EQUIPMENT OWNER: AIR PRODUCTS MANUFACTURING LLC  
PROJECT : WORLD ENERGY RENEWABLES PROJECT  
PROJECT LOCATION: WORLD ENERGY, PARAMOUNT , CA, USA

P.O. NO. :	4505704449
CLIENT DOC. NO. :	EN207124-PRAJ-9V3-00054
CLIENT REV. NO.	

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, Pune-411 057. (INDIA)



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



DRG. PAPER SIZE:  
A3

SCALE  
NTS

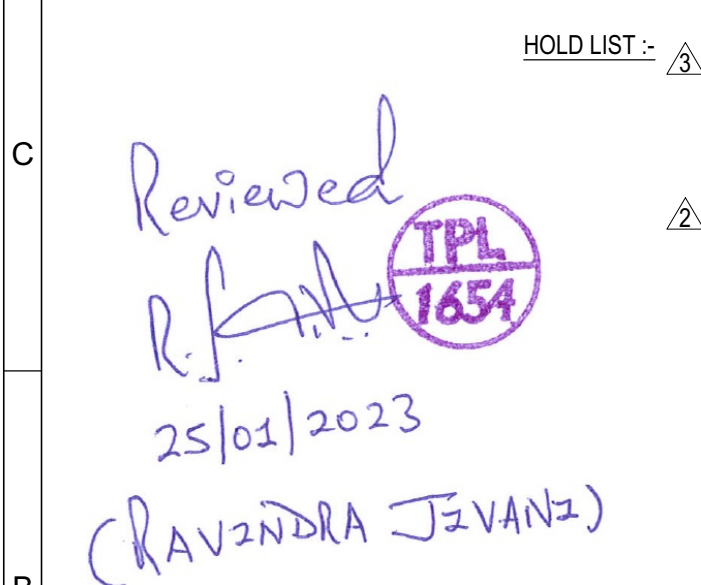
PIL JOB CODE  
E-23020

DWG. NO. | E-23020-ME-782-NPD-0003

SHEET  
2 OF 2

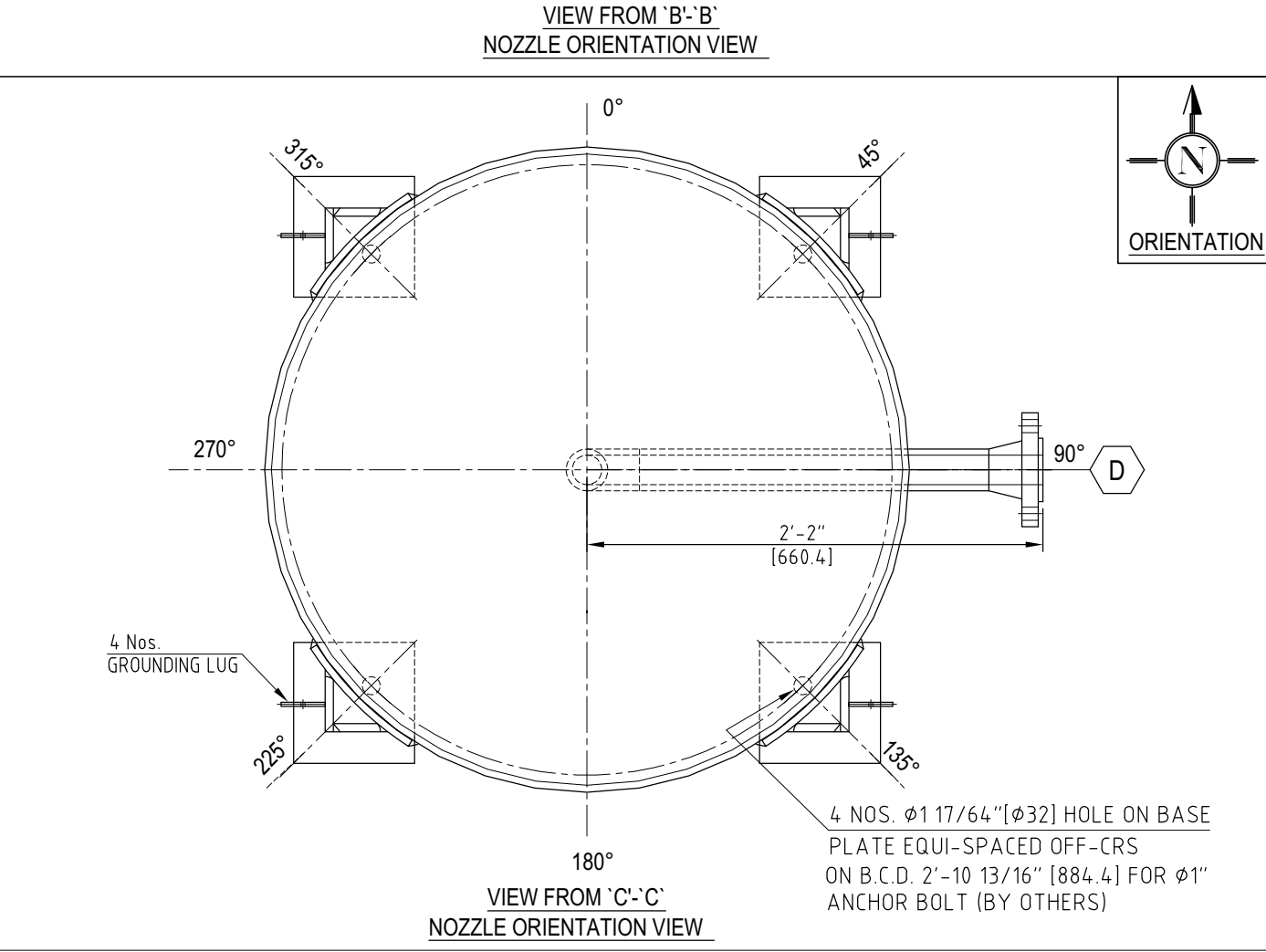
REV. 2





MAX.NOZZLE LOADS ARE AT SHELL-NOZZLE JUNCTION

TABLE-1	PFHT CYCLE FOR DISHED END
LOADING TEMPERATURE (MAX.)	300°C
RATE OF HEATING (MAX.)	100°C/Hr AFTER 300°C
SOAKING TEMPERATURE	610°C +/- 10°C
SOAKING TIME (MIN.)	65 MINUTES
RATE OF COOLING (MAX.)	100°C/Hr UPTO 300°C



3.15 LONGITUDINAL SEAM OFFSET SHALL BE THE GREATER OF FIVE TIMES THE PLATE THICKNESS OR 105 MM (4 IN).

3.16 ALL SUPPORT RIGGS & INTERNAL ATTACHMENTS ARE TO BE FULLY SEAL WELDED ON TOP & BOTTOM. NO STITCH WELDING ALLOWED.

4. RADIOGRAPHIC EXAMINATION

4.1 NDE OF WELDS SHALL BE PERFORMED AS PER APPROVED QUALITY PLAN

4.2 FOR PRESSURE PARTS BASE MATERIAL -

4.3 ALL WELDS AND JOINTS IN THE SHELL SHALL BE SPOT RADIOGRAPHED AS PER UW-10-1(b)

DISHED END TO SHELL JOINT SHOULD BE ADDITIONALLY SPOT RADIOGRAPHED TO MEET REQUIREMENTS OF UW-10-1(a)(5)(b)

ALL NOZZLE PIPE TO PLANT JOINTS THAT EXCEEDS NP 10 OR 1/8" (25) WALL THICKNESS SHALL BE SPOT RADIOGRAPHED

LONG SEAMS OF PLATE FABRICATED NOZZLES SHALL BE FULLY RADIOGRAPHED

4.3 AUTOMATIC ULTRASONIC TESTING CAN BE PERFORMED IN LEVEL RT AS PER UW-51

4.4 ALL SR NOZZLE TO SHELL / DISHED END JOINTS SHALL BE 100% ULTRASONIC TESTED

6. PENETRANT TEST (MPI) P/T SHALL BE AS PER APPROVED QP. THE FOLLOWING SHALL BE EXAMINED BY THE P/T P/T METHOD:

5.1 P/T RUN, BACK CHIP AND/INAL RUN OF WELDS (WHERE BACK CHIP IS APPLICABLE, P/T AFTER ROOT RUN IS NOT NECESSARY, HOWEVER P/T RUN WILL BE PERFORMED AFTER BACK CHIPPING)

5.2 OUTSIDE AND INSIDE SURFACES OF DISHED END STRAIGHT FACE & HANGULOE ZONE AFTER COLD FORMING.

5.3 ALL NOZZLE TO SHELL WELDS SHALL BE OF DRP OR CROUCHED TO ROOT ZONE AND FINAL WELD

5.4 ALL WELDING SURFACES SHALL BE CHECKED BY MPI EXAMINATION FOR DETECTION OF CRACKS, LAMINATIONS OR SEGREGATIONS

5.5 ALL LIFTING ATTACHMENT WELDS SHALL BE CRACK CHECKED USING DYE PENETRANT INSPECTION (DPI) A SEPARATE TEST CERTIFICATE FOR LIFTING LUG ATTACHMENTS WELDS SHALL BE SHIPPED WITH EQUIPMENT

6. AIR TEST

6.1 FORMING AND P/T AFTER DISHED END AND ACCESSIBLE SURFACES OF INSIDE NOZZLE TO VESSEL WALL WELDS SHALL BE TESTED FOR THE ABSENCE OF LEAKS WITH A GAUGE PRESSURE OF 7 PSIG (100 KPA) DRY AIR OR NITROGEN AND BUBBLE FORMING SOLUTION. THIS TEST SHALL BE PERFORMED BEFORE THE FINAL HYDROSTATIC TEST

6.2 HOLES IN REMEDIATION PADS SHALL BE PLUGGED WITH ROOM TEMPERATURE VULCANIZING (RTV) SILICONE SEALER OR RUST PREVENTATIVE GREASE THAT IS COMPATIBLE WITH THE BASE MATERIAL

7. TESTING

7.1 HYDRO TEST WILL BE CARRIED OUT IN HORIZONTAL POSITION AT SHOP

7.2 HYDROTEST SHOULD BE CARRIED OUT AS PER UW-10-9

7.3 MINIMUM METAL TEMPERATURE DURING HYDROTEST SHALL BE AT LEAST 30 DEG F (0 DEG C) ABOVE THE MINIMUM DESIGN METAL TEMPERATURE OF THE VESSEL

7.4 ALL BOLTING AND NUTS SHALL BE PROPERLY LUBRICATED FOR EASIER BEFORE THE INITIAL PRESSURE TEST

7.5 BEFORE APPLICATION OF THE TEST PRESSURE, THE TEST WATER AND THE VESSEL MATERIAL SHALL BE PERMITTED TO EQUALIZE TO APPROXIMATELY THE SAME TEMPERATURE

7.6 FOR CS (SULPHUR), WATER USED FOR THE HYDROTESTING WILL BE DRAINABLE QUALITY LESS THAN 200 PPM THE TEST WATER SHALL BE HELD FOR A MINIMUM PERIOD OF ONE HOUR

7.7 DURING THE HYDROSTATIC TEST, THE VESSEL SHALL BE OBTAINED, DRIED INCLUDING DRYING INTERIORS, AND CLOSED AS QUIETLY AS PRACTICABLE

7.8 AFTER COMPLETION OF ALL TESTING AND INSPECTION, THE TEST WATER SHALL BE COMPLETELY REMOVED BY DRAINING AND MOPPING, OR ALL WETTED SURFACES SHALL BE FLUSHED WITH COLD CONDENSATE OR DEMINERALIZED WATER

7.9 TEMPORARY CS PLATE BOND FLANGES SHALL BE USED FOR NOZZLES (IF PLATES DURING HYDROTEST WITH ORIGINAL SIZE BOLTS) & WASHER

7.10 TEST GASKETS SHALL BE OF THE SAME TYPE AND MATERIAL AS THE SERVICE GASKETS

7.11 IN ANY CASE PLATE BOND FLANGES SHOULD EXCEED 38 PSI (2.6 MPa) (27.5 KPa) (2.0 MPa)

7.12 WELDING, BURNING OR GRINDING, INCLUDING COARSE GRINDING OF PRESSURE RETAINING WELDS, SHALL NOT BE PERFORMED ON VESSELS THAT HAVE BEEN PRESSURE TESTED UNLESS APPROVED BY PURCHASER. THIS INCLUDES BUT NOT BE LIMITED TO WELDS FOR SHIPPING ATTACHMENTS, REFRACTORY OR INSULATION PLUGS, STIFFENERS, STAYS, OR GRINDING SURFACE PREPARATION

7.13 THE INTERIOR OF THE VESSEL SHALL BE CLEANED IN ACCORDANCE WITH SECTION 6.4.1.2 OF ARRM-PP-000-5080-A

8. SURFACE PREPARATION & PAINTING

8.1 SURFACE SHALL BE CLEAN & FREE FROM RUST, OIL, DIRT & SCALE OXIDES AND OTHER FOREIGN MATERIAL DETRIMENTAL TO WELDING

8.2 ALL SURFACES SHALL BE PAINTED BEFORE COMPLETION OF THE INSPECTION AND HYDROTEST

8.3 ALL TEMPORARY SHIPPING COMPONENTS, INCLUDING BOLTING, COVERS, LIPS, SUPPORTS, BRACES ETC, SHALL BE PAINTED BRIGHT ORANGE OR BRIGHT YELLOW TO FACILITATE IDENTIFICATION FOR REMOVAL IN THE FIELD

8.4 PAINTING SHALL BE CARRIED OUT AS PER APPROVED PAINT PROCEDURE & BELOW TABLE, REFER TO PER APPENDIX A, TABLE A- ARRM-PP-000-50502-A, FOR OPERATING AND MAINTENANCE PAINTS

9. IDENTIFICATION MARKING: ALL TANKAGE LINE SHALL BE PUNCH-MARKED INSIDE AND OUTSIDE OF THE VESSEL AT 0, 90, 180, AND 270 ANGLE POSITION POINTS. ②

10. DETAIL: ②

11. ALL VESSELS SHALL HAVE THEIR CENTERS OF GRAVITY EMPTY CONDITION AS PER GA DRAWING MARKED. THE LETTERS CG AND SHIPPING WEIGHT IN ITS BALL SHALL BE PAINTED AT 2 LOCATIONS DIAGONALLY OPPOSITE AND DRAWN TO THE CG MARK. ④

12. ALL VESSELS SHALL HAVE POSITIVE PRESSURE INERT GAS PROTECTION. THE FOLLOWING NOTED PAINTED ON THE CG OF THE SHELL AND INSULATION COVERING. IF PRESENT, IN THREE-INCH THIN HIGH LETTERS VISIBLE IN THE SHIPPING POSITION FROM CAUTION - UNDER INERT ATMOSPHERE - DO NOT OPEN WITHOUT PROPER PRECAUTIONS. ②

**10. SHIPPING**

10.1 PREPARATION FOR SHIPPING SHALL BE IN ACCORDANCE WITH API SPECIFICATIONS 4-WON + 0001.

10.2 ALL VESSEL OPENINGS SHALL BE CLOSED AND SEALED IMMEDIATELY AFTER COMPLETION OF CLEANING AND DRYING.

10.3 VESSELS SHALL BE INSTANTANEOUSLY PURGED, FILLED AND HAVE BLIND FLANGES, SERVICE GASKETS, AND FULL BOLTING ON ALL NOZZLES. SPARE DRY TIGHTENING BOTTLE SHALL BE PROVIDED FOR OVERSEA TRANSPORTATION

10.4 VESSEL SHOULDER SHALL BE WARMED FOR SHIPMENT OVER OCEAN AND LAND.

10.5 ALL PARTS TO BE PROTECTED FROM CORROSION/CLIMATE STORAGE AT SITE FOR A POSSIBLE MAXIMUM TIME OF 12 MONTHS.

10.6 SPARE GASKETS AND BUILDING HARDWARE SHALL BE WRAPPED IN A WATERPROOF BARRIER MATERIAL AND ENCLOSED IN PL WOOD CONTAINERS.

10.7 MACHINED SURFACES, FLANGE FACES, THE ADDED SURFACES, AND OTHER FINISHED OR DELICATE PARTS MUST BE WELL-GREASED AND PROTECTED AGAINST RUSTING AND DAMAGE DURING SHIPMENT.

10.8 THE SPRING IN THE SHOTS SHALL BE PROTECTED WITH TEMPORARY PIPE GUIDE OR SPRING WOOD "CHOCK" TO LOCATE THE PERMS DURING SHIPMENT.

PERMANENT "SPIDER" S GAGE PROVIDED



10.9 EQUIPMENT ERECTION SHALL BE CONDUCTED IN SUCH A MANNER THAT THE LOADS IN THE LUG WALK AXES ARE MINIMAL, WITH A MAXIMUM OUT OF PLANE SLEW ANGLE OF 3 DEGREES. A SPREADER BEAM OR A TWO-CRANE LIFT CAN BE USED DURING ERECTION TO SATISFY THIS REQUIREMENT


10.10 TESTED TO 1.5 TIMES

10.11 SPARES

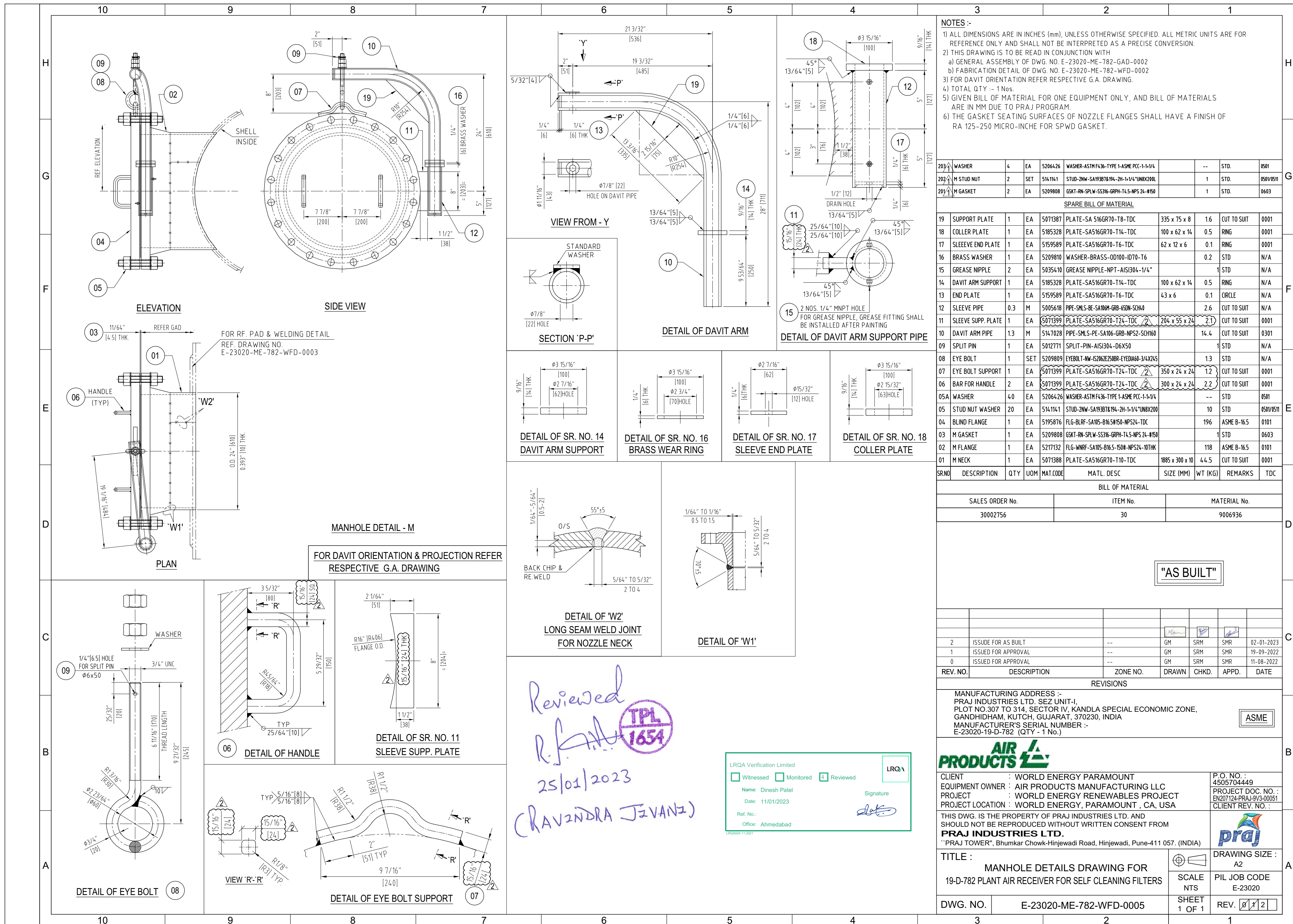
10.12 ALL BLIND FLANGED NOZZLES INCLUDING MANWAYS SHALL BE PROVIDED WITH 10% FASTENERS PER SIZE (MIN. 2 SETS) AND 2 NOS. GASKETS PER NOZZLE.

LRQA Verification Limited			
<input type="checkbox"/> Witnessed	<input type="checkbox"/> Monitored		<input checked="" type="checkbox"/> Reviewed
Name: Dinesh Patel			Signature 
Date: 11/01/2023			
Ref. No.:			
Office: Ahmedabad			

		
CLIENT : WORLD ENERGY PARAMOUNT EQUIPMENT OWNER : AIR PRODUCTS MANUFACTURING LLC PROJECT : WORLD ENERGY RENEWABLES PROJECT PROJECT LOCATION : WORLD ENERGY, PARAMOUNT , CA, USA	P.O. NO. : 4505704449 PROJECT DOC. NO. : EN207124-PRAJ-9V3-00053 CLIENT REV. NO. :	
THIS DWG. IS THE PROPERTY OF PRAJ INDUSTRIES LTD. AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN CONSENT FROM <b>PRAJ INDUSTRIES LTD.</b> "PRAJ TOWER", Bhumkar Chowk-Hinjewadi Road, Hinjewadi, Pune-411 057. (INDIA)		

TITLE : GENERAL ARRANGEMENT DRAWING FOR 19-D-782 PLANT AIR RECEIVER FOR SELF CLEANING FILTERS			DRAWING SIZE : A1				
		SCALE NTS	PIL JOB CODE E-23020				
DWG. NO.	E-23020-ME-782-GAD-0003	SHEET 1 OF 1	REV. <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4
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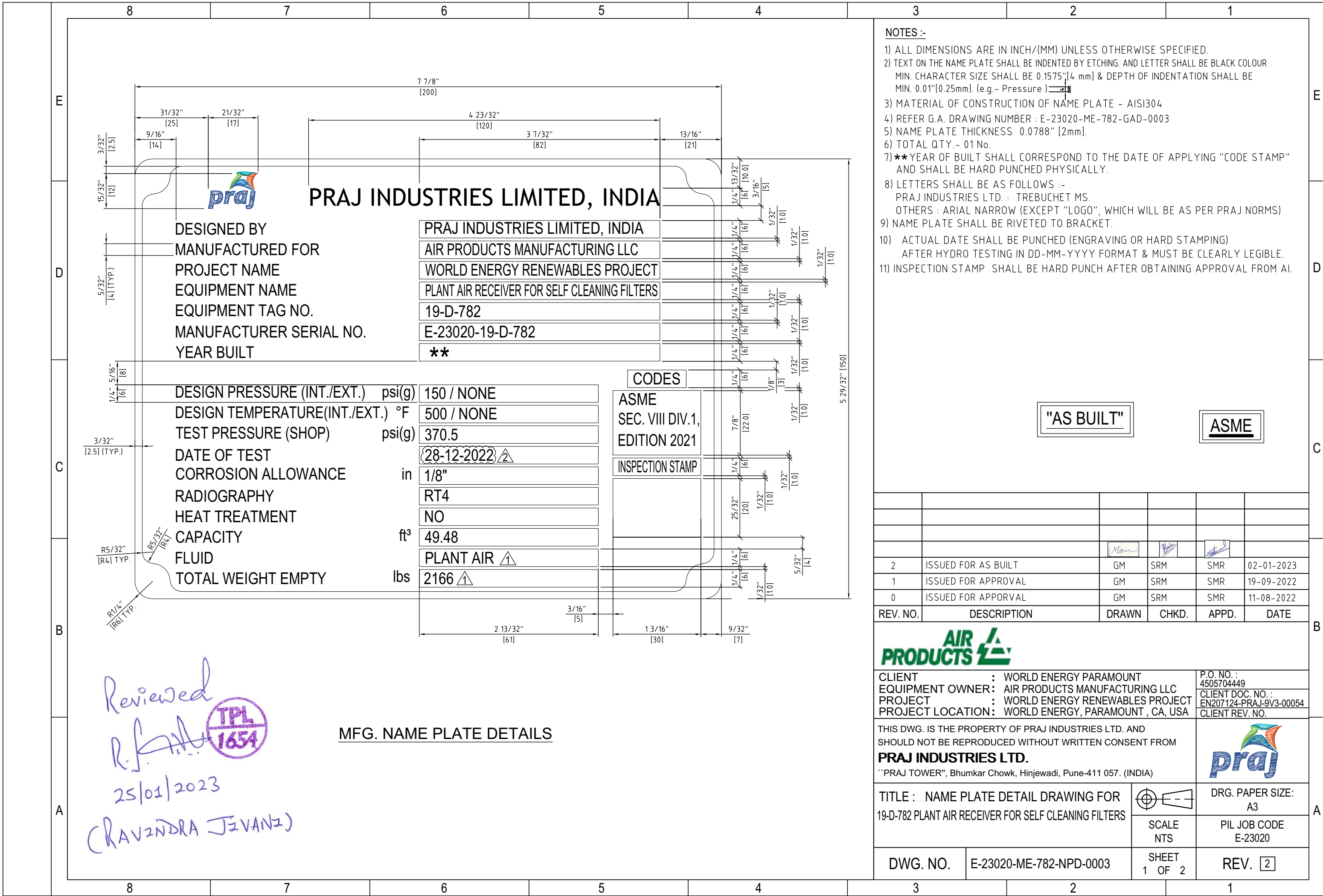












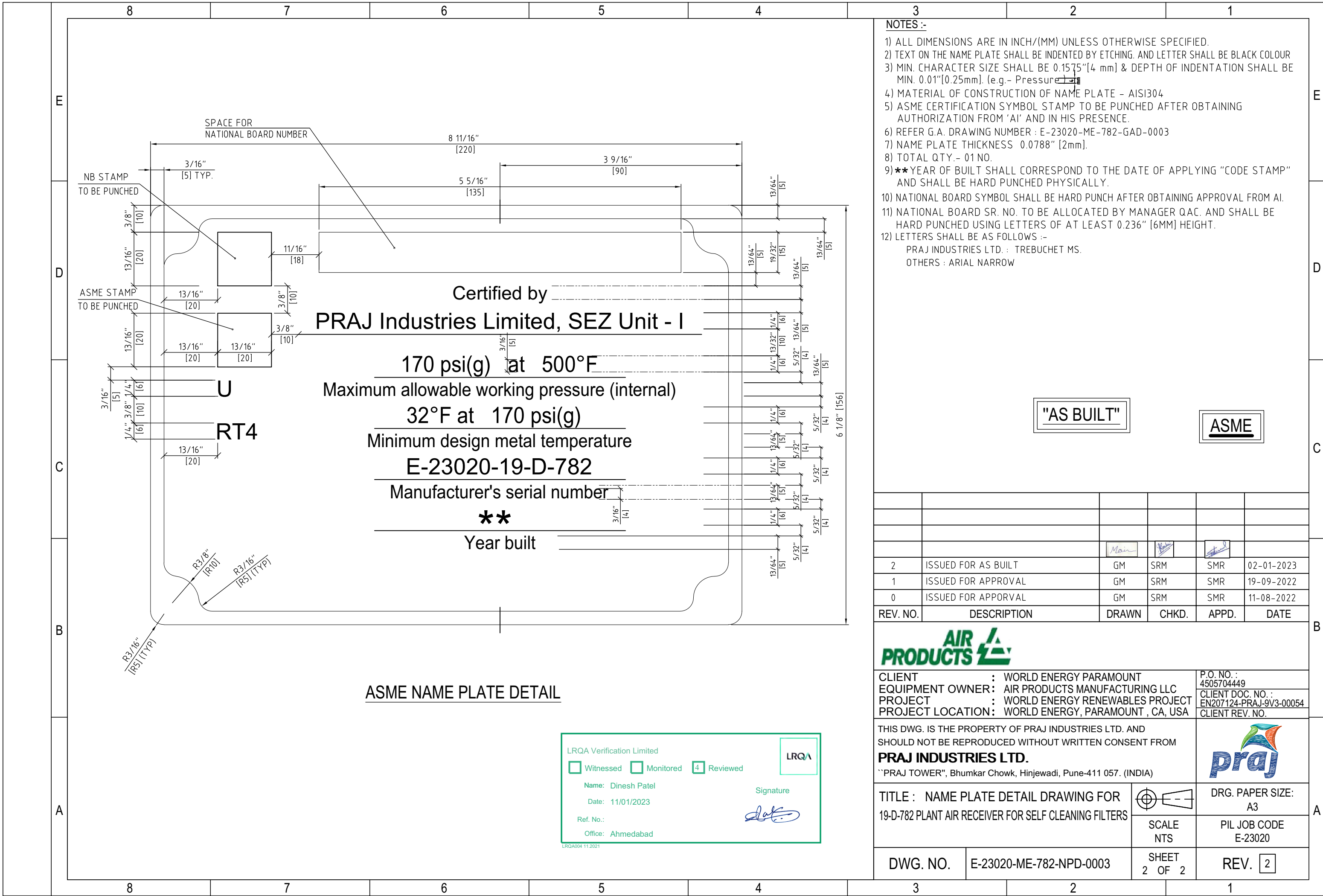
- NOTES :-
- 1) ALL DIMENSIONS ARE IN INCH/(MM) UNLESS OTHERWISE SPECIFIED.
  - 2) TEXT ON THE NAME PLATE SHALL BE INDENTED BY ETCHING. AND LETTER SHALL BE BLACK COLOUR MIN. CHARACTER SIZE SHALL BE 0.1575" [4 mm] & DEPTH OF INDENTATION SHALL BE MIN. 0.01" [0.25mm]. (e.g.- Pressure )
  - 3) MATERIAL OF CONSTRUCTION OF NAME PLATE - AISI304
  - 4) REFER G.A. DRAWING NUMBER : E-23020-ME-782-GAD-0003
  - 5) NAME PLATE THICKNESS 0.0788" [2mm].
  - 6) TOTAL QTY.- 01 No.
  - 7) \*\* YEAR OF BUILT SHALL CORRESPOND TO THE DATE OF APPLYING "CODE STAMP" AND SHALL BE HARD PUNCHED PHYSICALLY.
  - 8) LETTERS SHALL BE AS FOLLOWS :-  
PRAJ INDUSTRIES LTD. : TREBUCHET MS.  
OTHERS : ARIAL NARROW (EXCEPT "LOGO", WHICH WILL BE AS PER PRAJ NORMS)
  - 9) NAME PLATE SHALL BE RIVETED TO BRACKET.
  - 10) ACTUAL DATE SHALL BE PUNCHED (ENGRAVING OR HARD STAMPING) AFTER HYDRO TESTING IN DD-MM-YYYY FORMAT & MUST BE CLEARLY LEGIBLE.
  - 11) INSPECTION STAMP SHALL BE HARD PUNCH AFTER OBTAINING APPROVAL FROM AI.

"AS BUILT" ASME

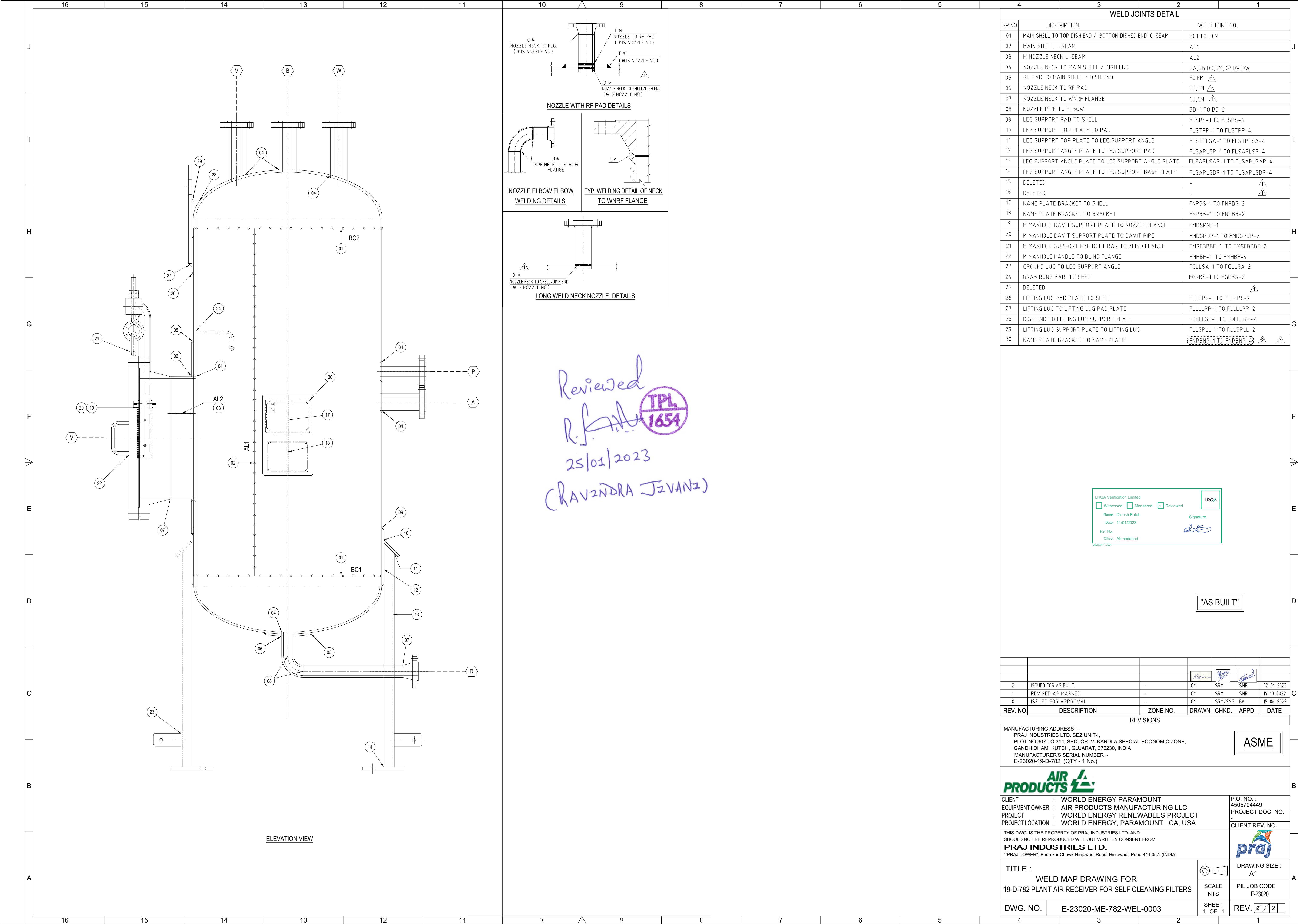
2	ISSUED FOR AS BUILT	GM	SRM	SMR	02-01-2023
1	ISSUED FOR APPROVAL	GM	SRM	SMR	19-09-2022
0	ISSUED FOR APPORVAL	GM	SRM	SMR	11-08-2022
REV. NO.	DESCRIPTION	DRAWN	CHKD.	APPD.	DATE

<b>AIR PRODUCTS</b>			
CLIENT : WORLD ENERGY PARAMOUNT		P.O. NO. : 4505704449	
EQUIPMENT OWNER: AIR PRODUCTS MANUFACTURING LLC		CLIENT DOC. NO. : EN207124-PRAJ-9V3-00054	
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			
<b>PRAJ INDUSTRIES LTD.</b>			
"PRAJ TOWER", Bhumkar Chowk, Hinjewadi, Pune-411 057. (INDIA)			
TITLE : NAME PLATE DETAIL DRAWING FOR 19-D-782 PLANT AIR RECEIVER FOR SELF CLEANING FILTERS		DRG. PAPER SIZE: A3	
		PIL JOB CODE E-23020	
DWG. NO.	E-23020-ME-782-NPD-0003	SHEET 1 OF 2	REV. [2]

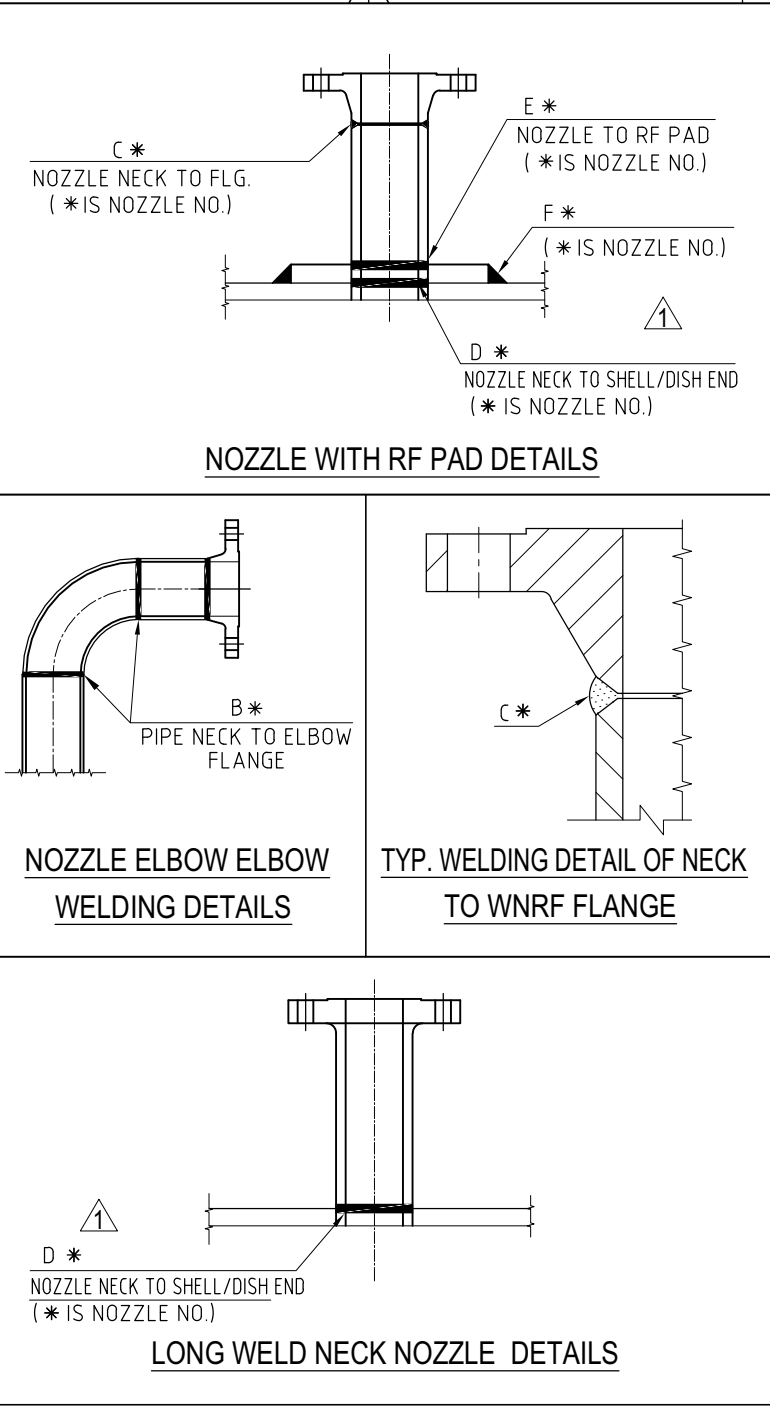








ELEVATION VIEW



Reviewed  
R. J. Patel  
25/01/2023  
(RAVENDRA JIVANJI)

WELD JOINTS DETAIL		
SR.NO	DESCRIPTION	WELD JOINT NO.
01	MAIN SHELL TO TOP DISH END / BOTTOM DISHED END C-SEAM	BC1 TO BC2
02	MAIN SHELL L-SEAM	AL1
03	M NOZZLE NECK L-SEAM	AL2
04	NOZZLE NECK TO MAIN SHELL / DISH END	DA,DB,DD,DM,DP,DV,DW
05	RF PAD TO MAIN SHELL / DISH END	FD,FM
06	NOZZLE NECK TO RF PAD	ED,EM
07	NOZZLE NECK TO WNRF FLANGE	CD,CM
08	NOZZLE PIPE TO ELBOW	BD-1 TO BD-2
09	LEG SUPPORT PAD TO SHELL	FLSPS-1 TO FLSPS-4
10	LEG SUPPORT TOP PLATE TO PAD	FLSTPP-1 TO FLSTPP-4
11	LEG SUPPORT TOP PLATE TO LEG SUPPORT ANGLE	FLSTPLSA-1 TO FLSTPLSA-4
12	LEG SUPPORT ANGLE PLATE TO LEG SUPPORT PAD	FLSAPLSP-1 TO FLSAPLSP-4
13	LEG SUPPORT ANGLE PLATE TO LEG SUPPORT ANGLE PLATE	FLSAPLSAP-1 TO FLSAPLSAP-4
14	LEG SUPPORT ANGLE PLATE TO LEG SUPPORT BASE PLATE	FLSAPLSBP-1 TO FLSAPLSBP-4
15	DELETED	-
16	DELETED	-
17	NAME PLATE BRACKET TO SHELL	FNPBS-1 TO FNPBS-2
18	NAME PLATE BRACKET TO BRACKET	FNPBB-1 TO FNPBB-2
19	M MANHOLE DAVIT SUPPORT PLATE TO NOZZLE FLANGE	FMDSPNF-1
20	M MANHOLE DAVIT SUPPORT PLATE TO DAVIT PIPE	FMDSPDP-1 TO FMDSPDP-2
21	M MANHOLE SUPPORT EYE BOLT BAR TO BLIND FLANGE	FMSEBBBF-1 TO FMSEBBBF-2
22	M MANHOLE HANDLE TO BLIND FLANGE	FMHBF-1 TO FMHBF-4
23	GROUND LUG TO LEG SUPPORT ANGLE	FGLLSA-1 TO FGLLSA-2
24	GRAB RUNG BAR TO SHELL	FGRBS-1 TO FGRBS-2
25	DELETED	-
26	LIFTING LUG PAD PLATE TO SHELL	FLLPPS-1 TO FLLPPS-2
27	LIFTING LUG TO LIFTING LUG PAD PLATE	FLLLPP-1 TO FLLLPP-2
28	DISH END TO LIFTING LUG SUPPORT PLATE	FDELLSP-1 TO FDELLSP-2
29	LIFTING LUG SUPPORT PLATE TO LIFTING LUG	FLLSPLL-1 TO FLLSPLL-2
30	NAME PLATE BRACKET TO NAME PLATE	FNPBNP-1 TO FNPBNP-2

LRQA Verification Limited

☐ Witnessed ☐ Monitored ☒ Reviewed

LRQA

Name: Dinesh Patel

Signature

Date: 11/01/2023

Ref. No.:

Office: Ahmedabad

LRQA0001112021

"AS BUILT"

REV. NO.	DESCRIPTION	ZONE NO.	DRAWN	CHKD.	APPD.	DATE
2	ISSUED FOR AS BUILT	--	GM	SRM	SMR	02-01-2023
1	REVISED AS MARKED	--	GM	SRM	SMR	19-10-2022
0	ISSUED FOR APPROVAL	--	GM	SRM/SMR	BK	15-06-2022

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  
EQUIPMENT OWNER : AIR PRODUCTS MANUFACTURING LLC  
PROJECT : WORLD ENERGY RENEWABLES PROJECT  
PROJECT LOCATION : WORLD ENERGY, PARAMOUNT , CA, USA

P.O. NO. :  
4505704449  
PROJECT DOC. NO. :  
CLIENT REV. NO.

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\*PRAJ TOWER\*, Bhumkar Chowk-Hinjewadi Road, Hinjewadi, Pune-411 057. (INDIA)

praj

TITLE :  
WELD MAP DRAWING FOR  
19-D-782 PLANT AIR RECEIVER FOR SELF CLEANING FILTERS

SCALE  
NTS

DRAWING SIZE :  
A1  
PIL JOB CODE  
E-23020

DWG. NO. :  
E-23020-ME-782-WEL-0003

SHEET  
1 OF 1

REV. 01/2