



GENERAL ARRANGEMENT DRAWING (GAD)

CLIENT	:	Air Products Manufacturing LLC
PROJECT NAME/NO.	:	WEP Renewables
CLIENT PO NO	:	4505605360
HMD DOCUMENT NO	:	HMD-4505605360-B01-01
CLIENT DOCUMENT NO	:	
HMD PUMP NO	:	839916 A/B
EQUIPMENT TAG NO	:	18-P-250 A/B

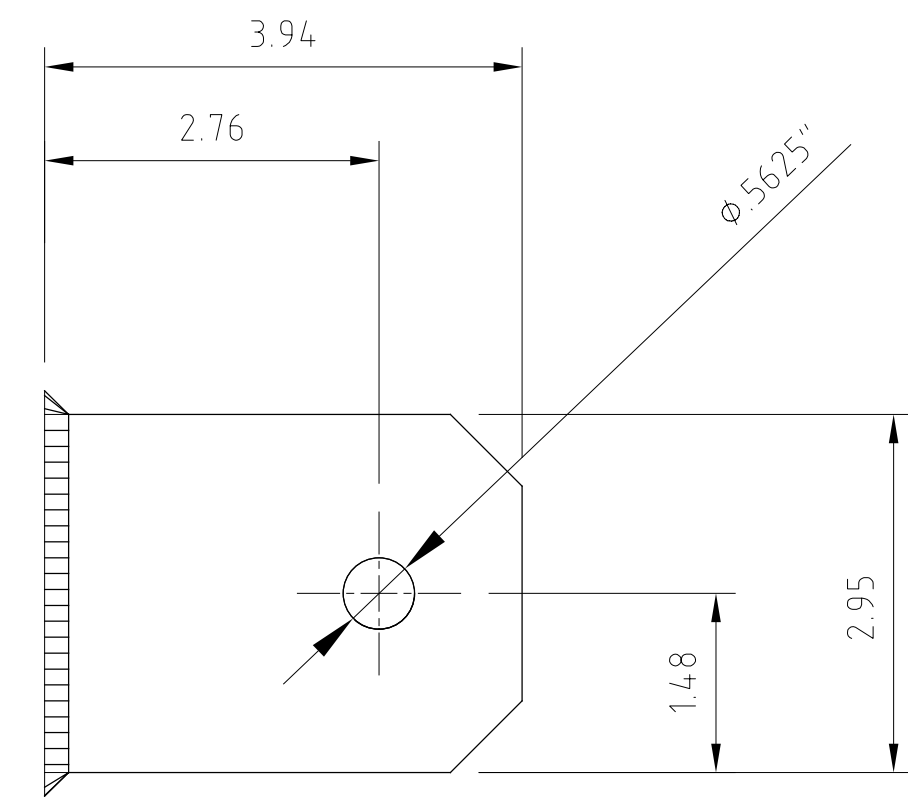
3	10/10/2022	ISSUE FOR REVIEW	AFS	ARM	ARM
2	01/09/2022	ISSUE FOR REVIEW	ARM	KCM	AFS
1	06/06/2022	ISSUE FOR REVIEW	AN	AFS	NW
0	11/03/2022	ISSUE FOR REVIEW	JS	ARM	AFS
REV	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY

NOTE:

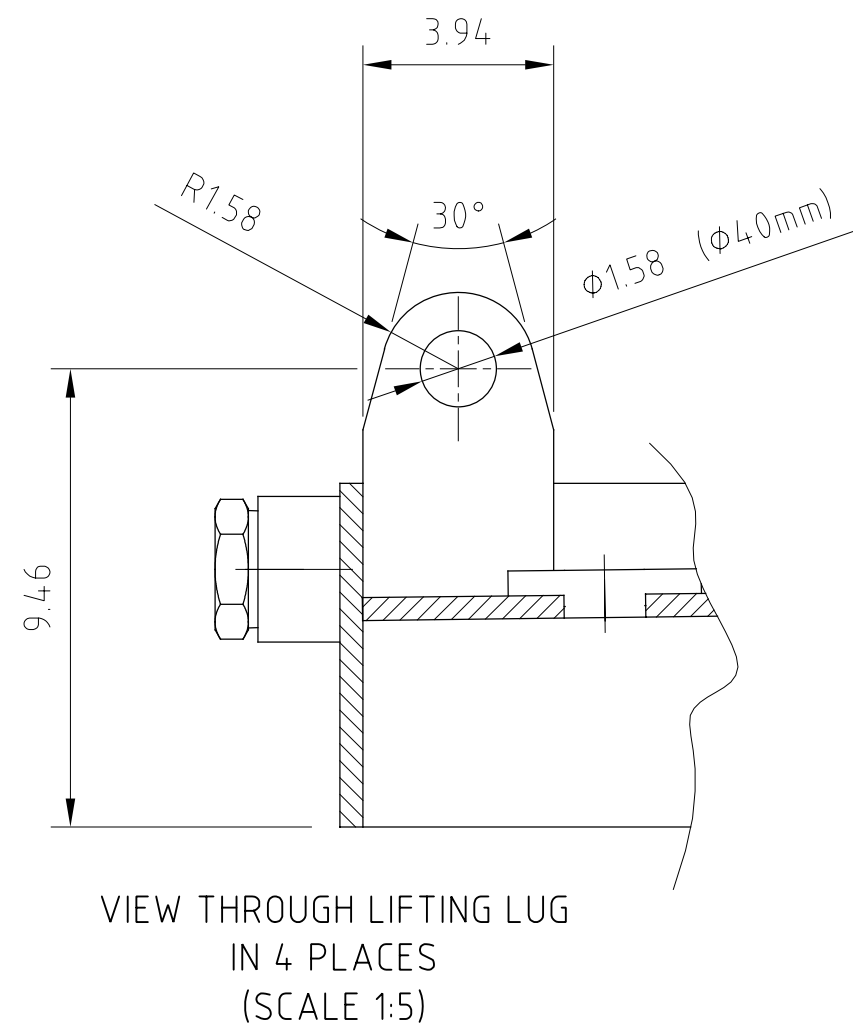


RESOLUTION SHEET

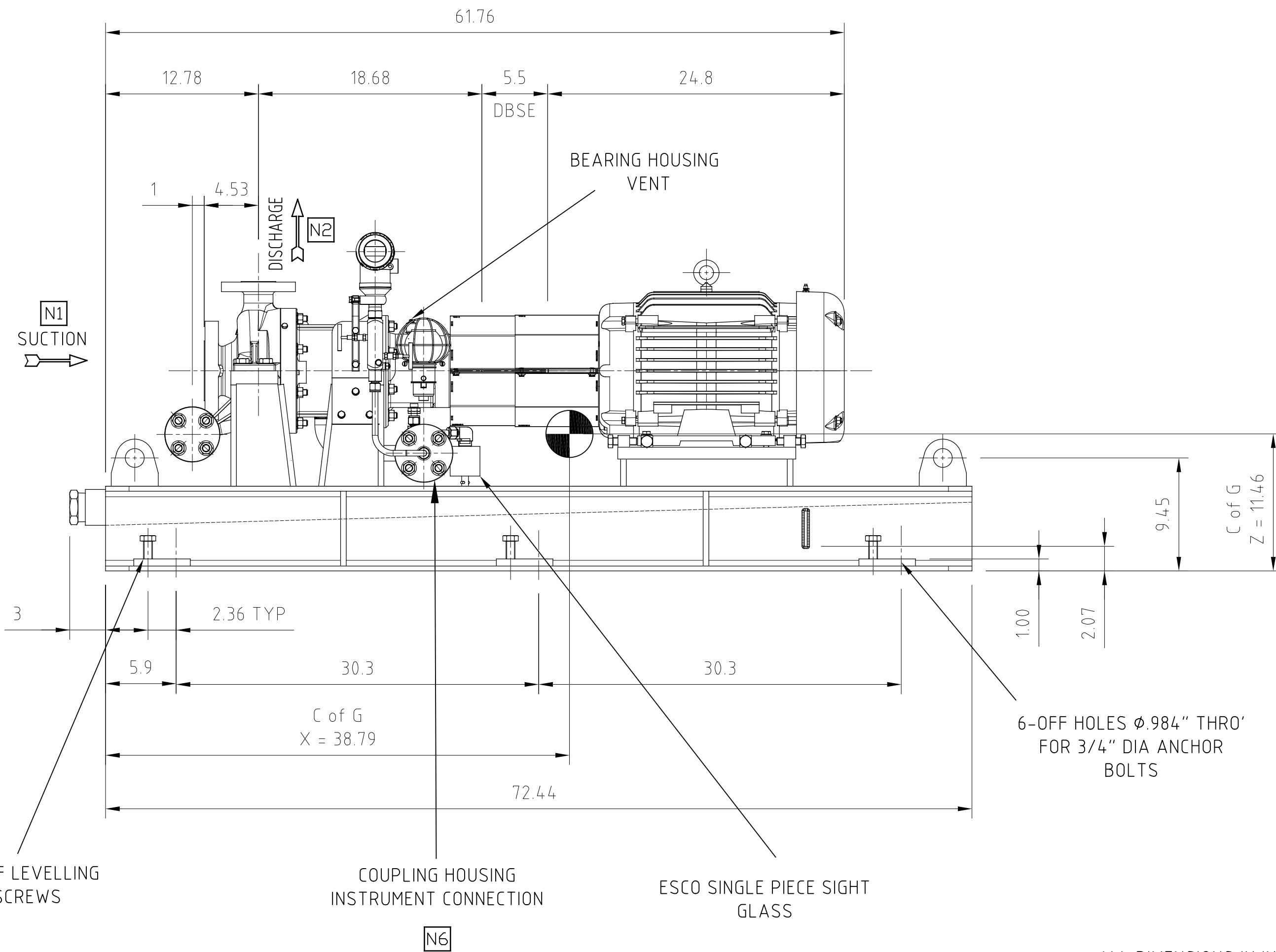
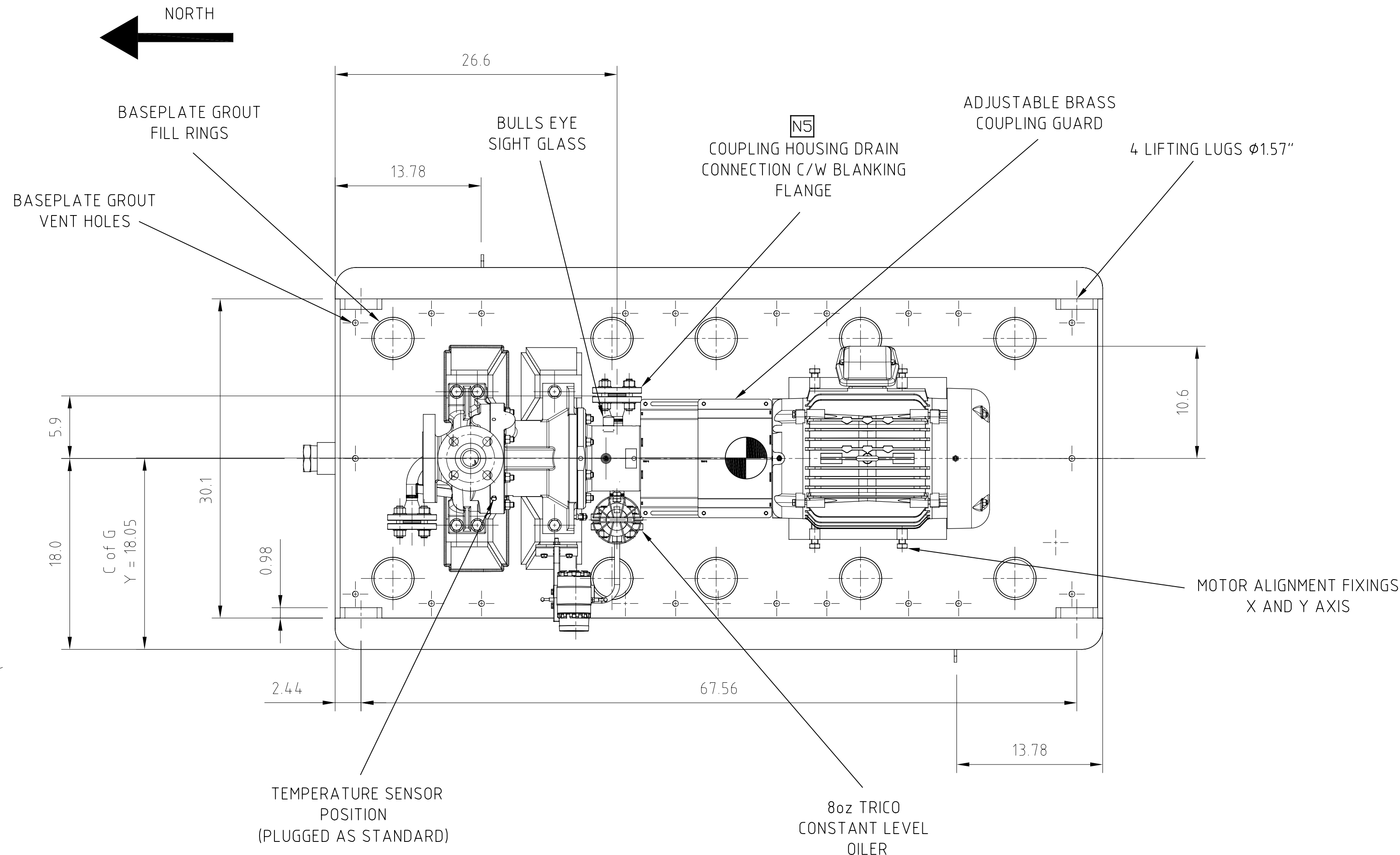
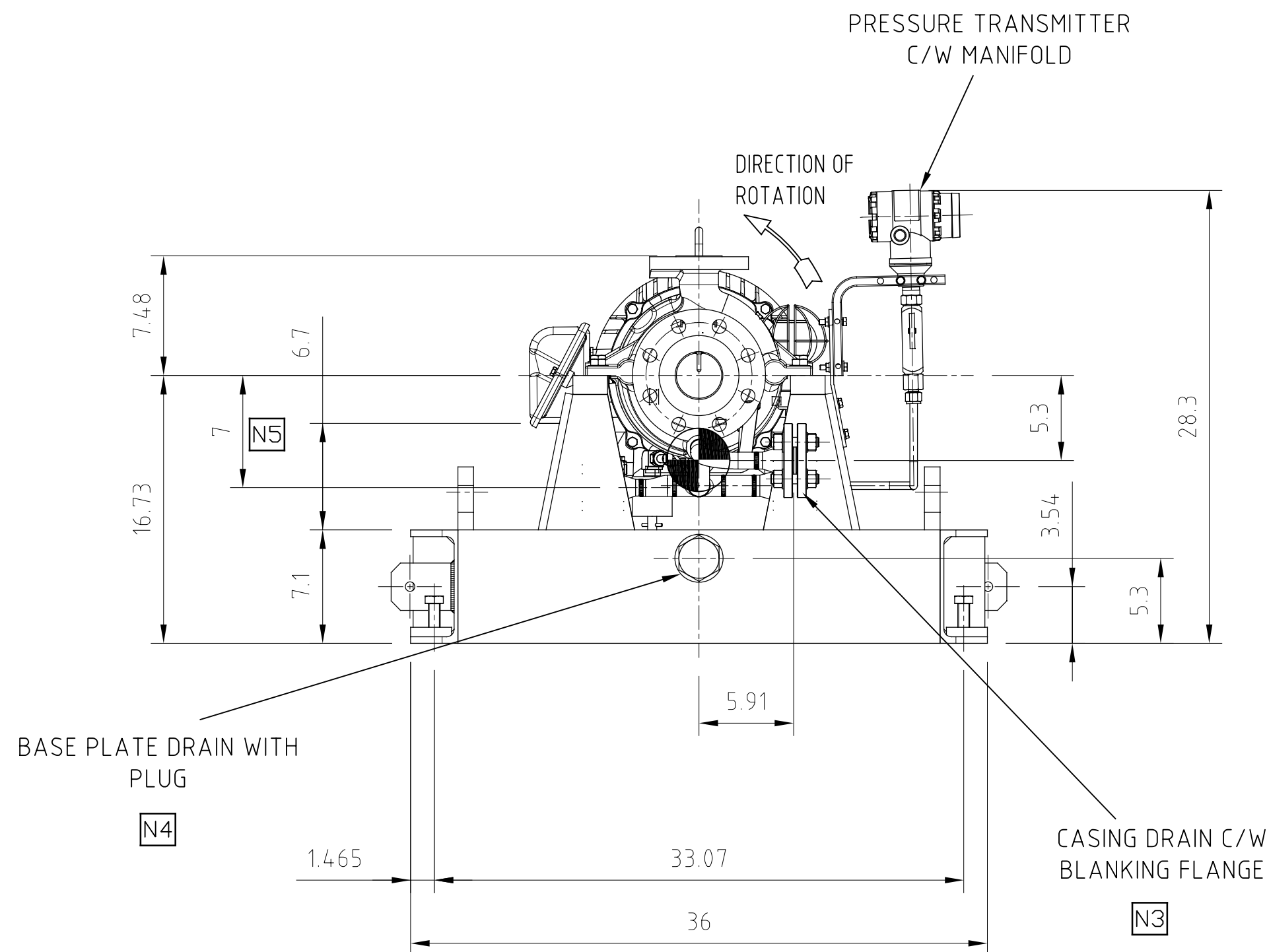
Comment Number	Document Name: General Arrangement Drawing		Revision from which comment first appeared	Comment Status: Open\Closed - (Date Closed:)
	CLIENT COMMENT	HMD RESPONSE	Current Rev:	
1	Show Anchor Bolt locations similar to previous revision. Also indicate distance between Anchor Bolts	These were taken off to avoid confusion as previously responded. Anchor bolts are shown in the Side view and Front view of the GAD. Distance between Anchor bolts can be found in these views. Noted & closed	2	Closed (10/10/2022)
2	Is this distance between Anchor Bolts or levelling screws?	Both are on the same centreline. Noted & closed	2	Closed (10/10/2022)
3	Provide distance between Anchor Bolts	Please refer to the Side view and Front view of the GAD. Noted & closed	2	Closed (10/10/2022)



EARTHING PLATE DETAIL
(1/4" THICK - MATERIAL 316L STAINLESS STEEL)
SCALE 1:2



VIEW THROUGH LIFTING LUG
IN 4 PLACES
(SCALE 1:5)



ALL DIMENSIONS IN INCHES U.O.S

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HYDRAULIC	CONNECTIONS			
	ITEM	SIZE	DESCRIPTION	SERVICE
PK2H 3 X 1.5 X 6	N1	3"	ASME B16.5 300lb RF	SUCTION
	N2	1.5"	ASME B16.5 300lb RF	DISCHARGE
	N3	3/4"	ASME B16.5 300lb RF	CASING DRAIN
	N4	2"	NPT	BASEPLATE DRAIN
	N5	3/4"	ASME B16.5 300lb RF	C'HSIG DRAIN
	N6	1"	ASME B16.5 300lb RF	C'HSIG INSTRUMENT

ALLOWABLE PIPING LOADS APPLIED TO NOZZLES (CONFORMS TO API 685)			
		1.5"	3"
DISCHARGE	SUCTION	FORCES (lbf)	
		FX	600
		FY	480
		FZ	400
		FR	860
		FX	320
BOTH	BOTH	FY	260
		FZ	400
		FR	580
		MOMENTS (ft.lbf)	
		MX	680 1400
		MY	340 700
		MZ	520 1060
		MR	920 1900

NOTE: PUMP PRESSURE CASINGS ARE DESIGNED FOR TWICE THE VALUES STATED IN TABLE 4A (4B) OF API 685, 2nd EDITION. THIS IS NOT APPLICABLE TO PIPING DESIGN NOZZLE LOADS WHICH ARE AS PER TABLE 4A (4B).

ELECTRIC MOTOR DETAILS

MANUFACTURER	BALDOR
RATING/FRAME	15 HP / 256 T
ENCLOSURE	CL1 Div.2 Gr.A,B,C,D T3C
SUPPLY/SPEED	460 V / 3~ / 60 Hz / 3480 RPM
MTT (IF APPLICABLE)	N/A
MTL (IF APPLICABLE)	10.6
MTR (IF APPLICABLE)	N/A
MOTOR LENGTH (ML)	24.8

FLEXIBLE COUPLING DETAILS

MANUFACTURER	METASTREAM
SIZE TYPE	TSKS 13 - 140mm

	DRY	OPERATING
	(lb)	
WEIGHTS		
PUMP	265	275
MOTOR	677	677
BASEPLATE	820	820
ANCILLARIES	44	44
TOTAL	1806	1816

NOTES:

NOTE 1	MAXIMUM MAINTENANCE WEIGHTS ARE THE SAME AS DRY.
NOTE 2	STRAIGHT LINE PIPING BEFORE THE SUCTION, N1, SHOULD BE 5x PIPE DIAMETER. STRAIGHT LINE PIPING AFTER THE DISCHARGE, N2, SHOULD BE 3x PIPE DIAMETER.
NOTE 3	MAINTENANCE SPACE AROUND PUMP SHOULD BE 18-36" ON A MINIMUM OF ONE SIDE AND SUFFICIENT SPACE TO REMOVE THE PUMP OR MOTOR TO THE SIDE. HEIGHT ABOVE THE BASEPLATE SHALL ALLOW REMOVAL OF PUMP OR MOTOR WITH SITE LIFTING EQUIPMENT.

EQUIPMENT OWNER AIR PRODUCTS MANUFACTURING LLC

CLIENT	WORLD ENERGY PARAMOUNT
ORDER NUMBER	4505605360
ITEM NUMBER	18-P-250A/B (ACID GAS STRIPPER BOTTOMS PUMPS)
HMD PUMP NUMBER	839916

2	01/09/2022	ISSUE FOR REVIEW	AFS
1	06/06/2022	ISSUE FOR REVIEW	AN
0	11/03/2022	ISSUE FOR REVIEW	AFS
ISS	DATE	CHANGE	AUTH

CONTRACTS ISSUE NUMBER

INTERNAL USE ONLY

03	02/08/22	CN2022/184	ARM	KCM
02	10/05/22	CN2022/106	ARM	KCM
01	03/03/22	INITIAL ISSUE	JS	ARM
ISS	DATE	CHANGE NUMBER	DRN	CHK

ENGINEERING ISSUE NUMBER

GENERAL ARRANGEMENT DRAWING

TITLE: GSP 3x1.5x6H			
SUBTITLE: SECONDARY CONTAINMENT, API DRAIN PAN, 256 T MOTOR			
DRAWING NUMBER		X13683	
ISSUE: 03	REVISION:	SHEET No.	1 OF 1



Addendum: General Arrangement Drawing

Document Reference No: EN207122-SNDYN-9V3-00029 / HMD-4505605360-B01-01

Tag No.: 18-P-250 A/B (839916 A/B)

NACE Compliance (MR-01-03 Not L or I)

Additional Information:

1. Service: Acid Gas Stripper Bottoms Pumps
2. Liquid Type /Name: Acid Gas Stripper Bottoms
3. Operating Temperature: 327 °F
4. Rated Flow: 151 gpm
5. Discharged Pressure: Rated 157.8 psig
6. Suction Pressure: Rated 100.4 psig / max 199.1 psig
7. Differential Pressure: 57.4 psi
8. Differential Head: 147.1 ft
9. Absorbed Power: 11.4 HP

Reference Documents:

1. Equipment Data sheet – EN207122-SNDYN-9V3-00009 / HMD-4505605360-C04-01
2. Cross Sectional Drawing & Parts List – EN207122-SNDYN-9V3-00057 / HMD-4505605360-D01-01
3. Coupling Assembly Drawing & Parts List - EN207122-SNDYN-9V3-000 / HMD-4505605360-D03-01
4. Motor General Arrangements Drawing - EN207122-SNDYN-9V3-00055 / HMD-4505605360-B03-01
5. Motor Data Sheet - EN207122-SNDYN-9V3-000 / HMD-4505605360-C11-01