



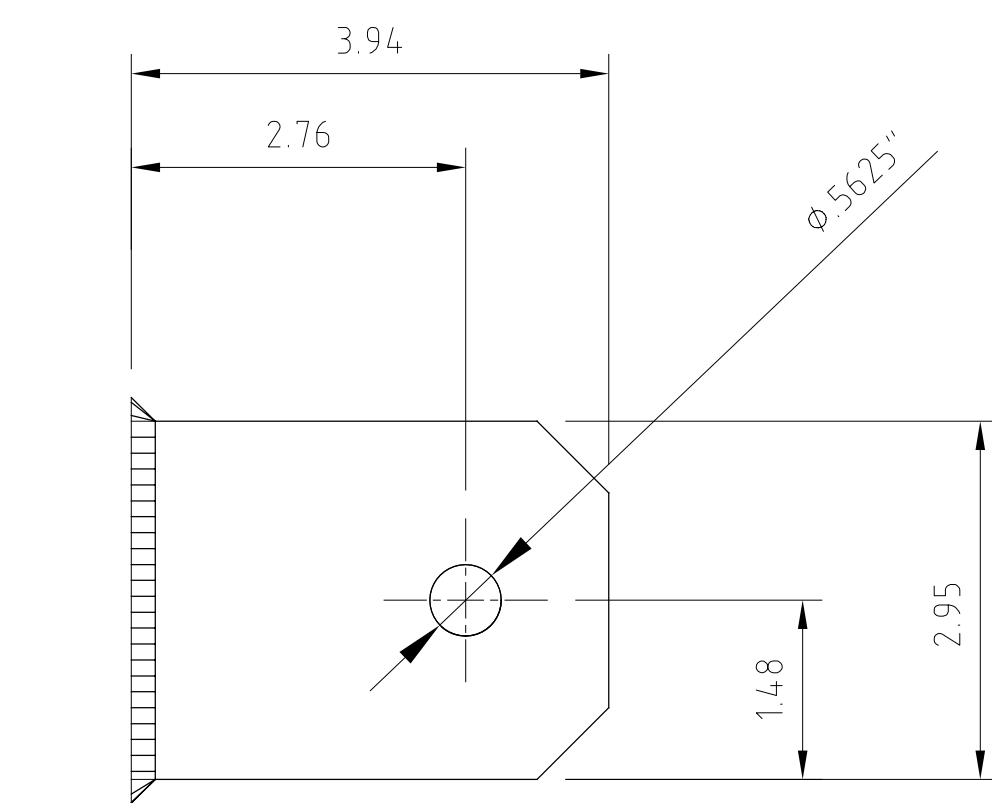
GENERAL ARRANGEMENT DRAWING (GAD)

CLIENT	:	Air Products Manufacturing LLC
PROJECT NAME/NO.	:	WEP Renewables
CLIENT PO NO	:	4505605365
HMD DOCUMENT NO	:	HMD-4505605365-B01-01
CLIENT DOCUMENT NO	:	BA16 - EN207119-SNDYN-9V3-00075
HMD PUMP NO	:	839921 A/B
EQUIPMENT TAG NO	:	18-P-363 A/B

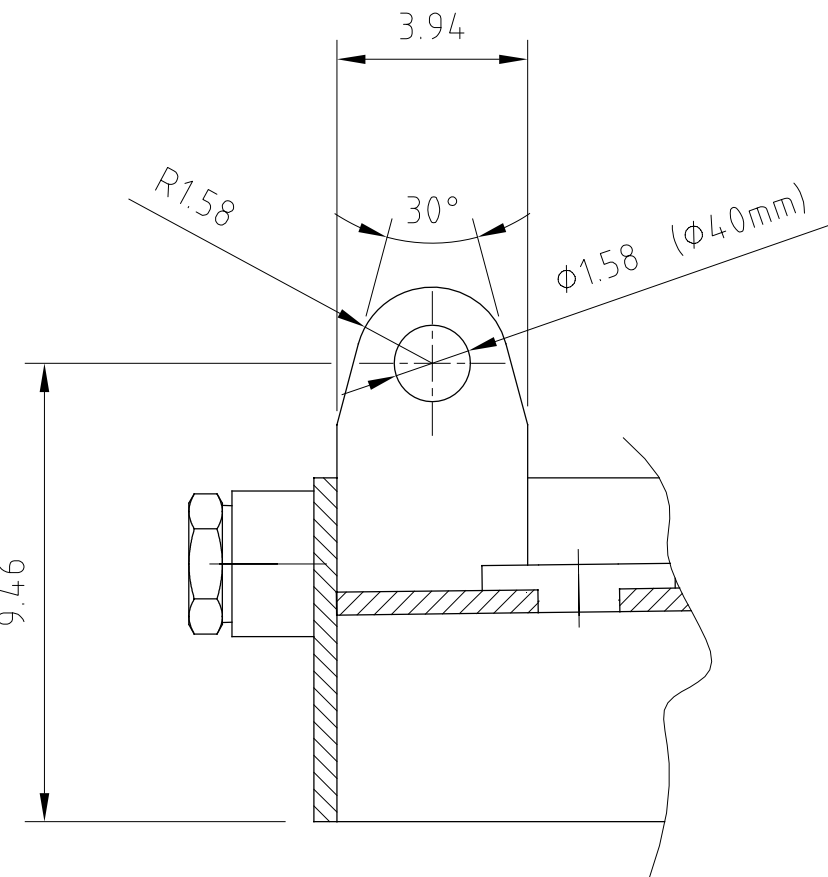
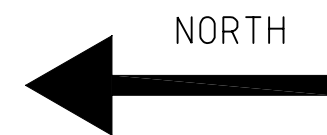
REV	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY
4	21/12/2022	ISSUE FOR REVIEW	GC	KW	AFS
3	05/10/2022	ISSUE FOR REVIEW	ARM	KCM	AFS
2	01/09/2022	ISSUE FOR REVIEW	ARM	KCM	AFS
1	12/07/2022	ISSUE FOR REVIEW	AN	AFS	NW
0	11/03/2022	ISSUE FOR REVIEW	ARM	BG	AFS

NOTE:

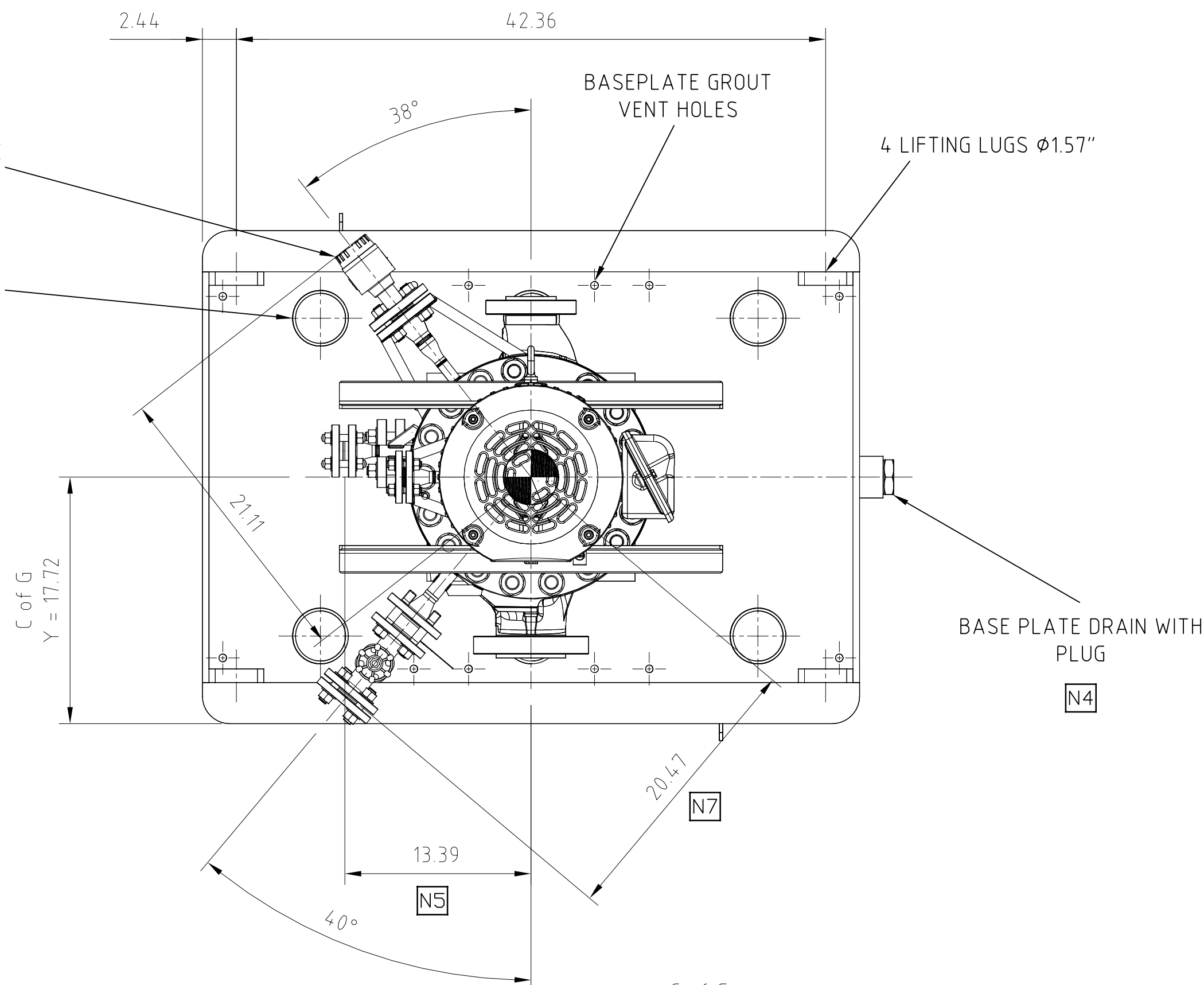
RESOLUTION SHEET				
Comment Number	Document Name: General Arrangement Drawing		Revision from which comment first appeared	Comment Status: Open\Closed - (Date Closed:)
	CLIENT COMMENT	HMD RESPONSE	Current Rev:	
1	Align the instrument tags as per instrumentation data sheet	Noted & ammended	3	Closed (21/12/2022)



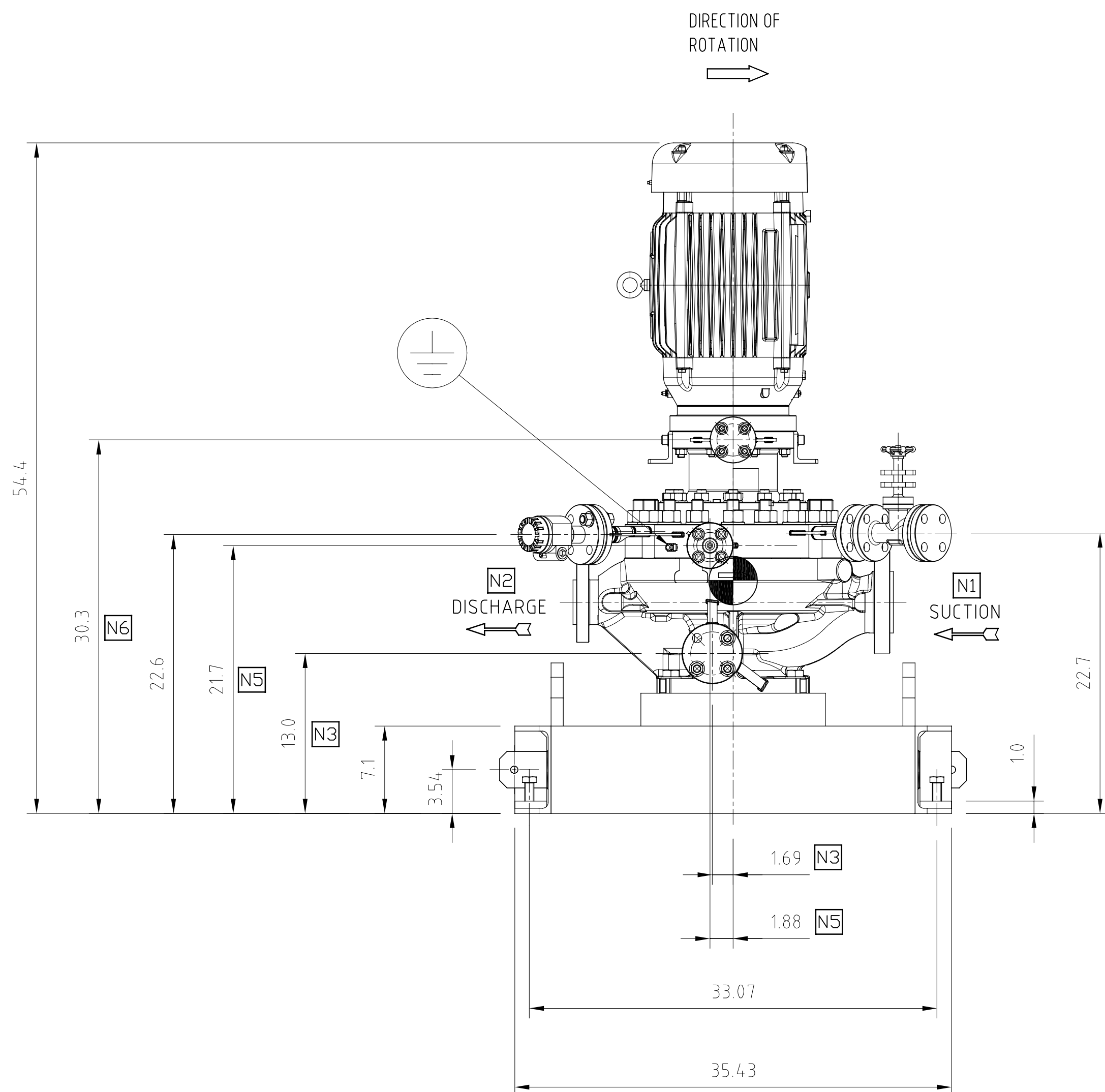
EARTHING PLATE DETAIL
(1/4" THICK - MATERIAL 316L STAINLESS STEEL)
SCALE 1:2
(NOT PAINTED)



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

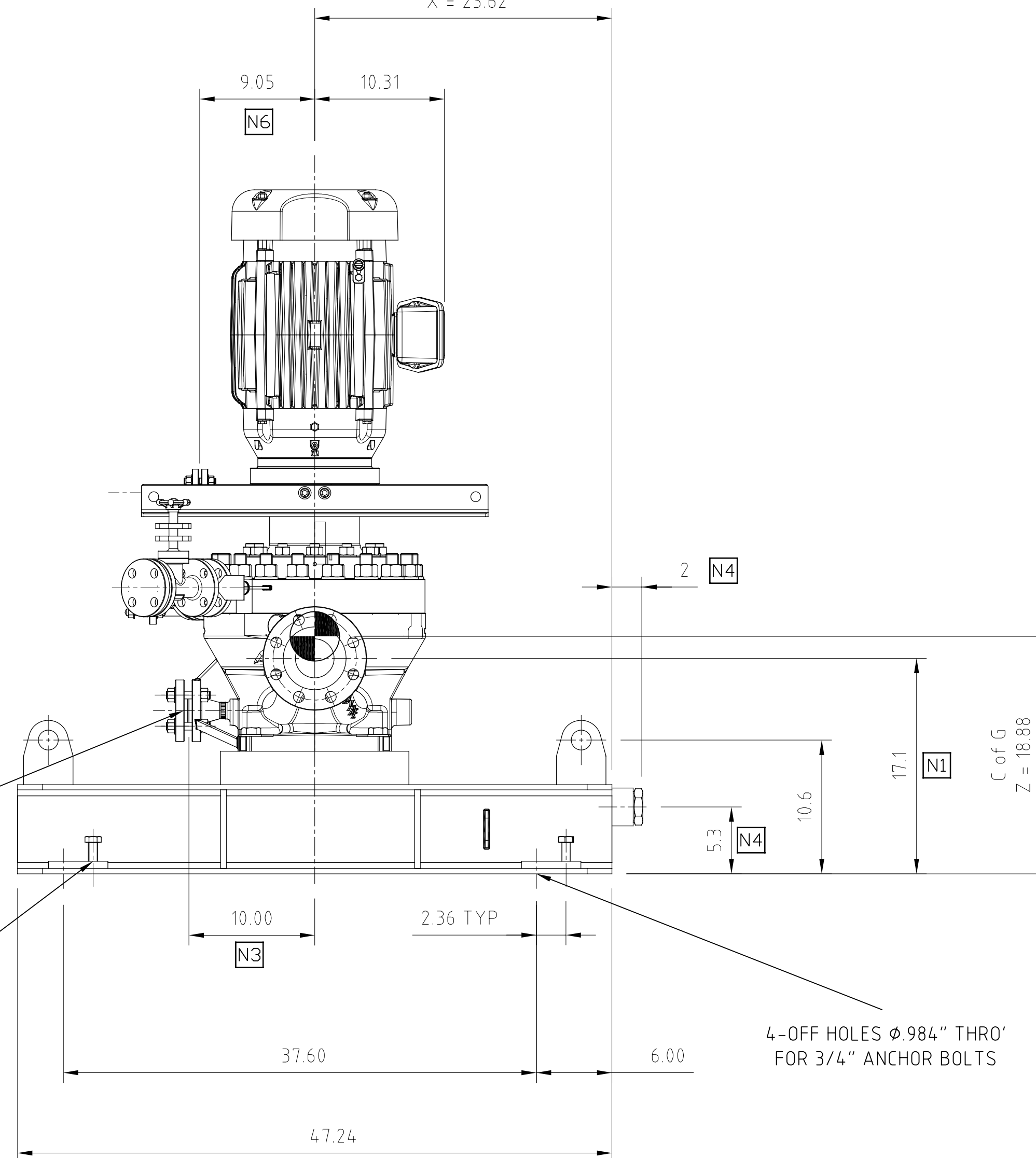


C of G
Y = 17.72
X = 23.62



CASING DRAIN C/W
BLANKING FLANGE
N3

4-OFF LEVELLING
SCREWS



4-OFF HOLES Ø 984" THRO'
FOR 3/4" ANCHOR BOLTS

ALL DIMENSIONS IN INCHES U.O.S

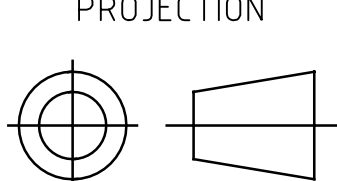
HMD Sealless Pumps
Hampton Park Industrial Estate,
Eastbourne,
East Sussex,
BN22 9AN, England.

UK Tel: +44(0) 1323 452000
UK Fax: +44(0) 1323 503369
USA (Toll free) 888 504 8304

HYDRAULIC	CONNECTIONS			
	ITEM	SIZE	DESCRIPTION	SERVICE
HPLMV801 3 X 2 X 7N	N1	3"	ASME B16.5 600lb RF	SUCTION
	N2	2"	ASME B16.5 600lb RF	DISCHARGE
	N3	1"	ASME B16.5 600lb RF	CASING DRAIN
	N4	2"	NPT	BASEPLATE DRAIN
	N5	1/2"	ASME B16.5 600lb RF	CONTAINMENT SHELL VENT
	N6	1/2"	ASME B16.5 300lb RF	C'HSG VENT
	N7	3/4"	ASME B16.5 300lb RF	C'HSG DRAIN
	N8	1"	ASME B16.5 300lb RF	C'HSG INSTRUMENT

ALLOWABLE PIPING LOADS APPLIED TO NOZZLES (CONFORMS TO API 685)			
		2"	3"
SUCTION	FORCES (lbf)		
	FX		240
	FY		300
	FZ		200
DISCHARGE	FR		430
	FX	160	
	FY	200	
	FZ	130	
BOTH	FR	290	
	MOMENTS (ft.lbf)		
	MX	200	300
	MY	160	240
	MZ	130	200
	MR	290	430

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 TC	
ENCLOSURE	CL1 Div.2 Gr. A,B,C,D T3C	
SUPPLY/SPEED	460 V / 3~ / 60 Hz / 3520 RPM	
MOTOR LENGTH (ML)	23.66	
	DRY	OPERATING
WEIGHTS	(lb)	
PUMP	756	766
MOTOR	283	283
BASEPLATE	712	712
ANCILLARIES	20	20
TOTAL	1771	1781
PROJECTION		
		

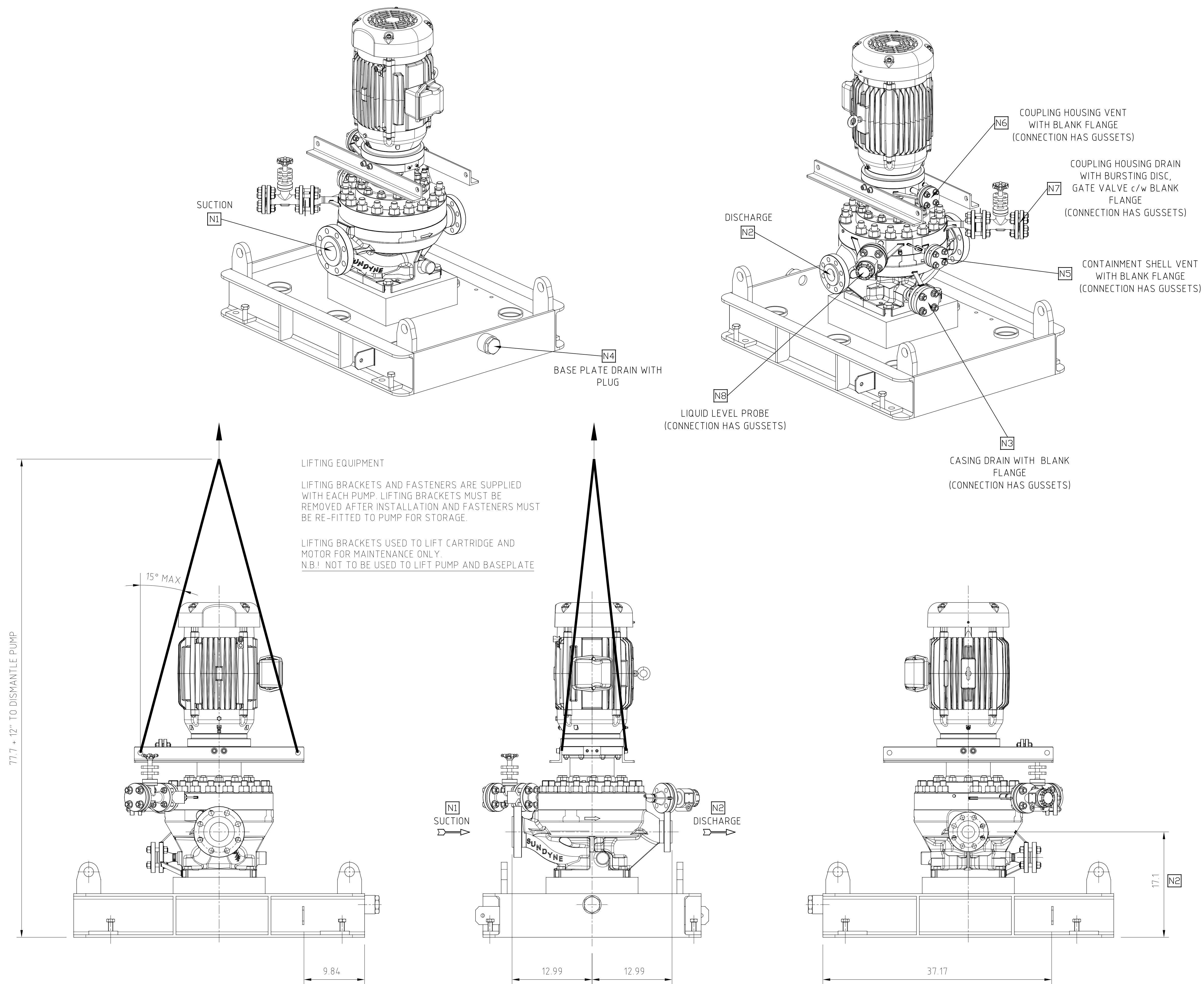
NOTES:	
NOTE 1	MAXIMUM MAINTENANCE WEIGHTS ARE THE SAME AS DRY.
NOTE 2	STRAIGHT LINE PIPING BEFORE THE SUCTION, N1, SHOULD BE 5x PIPE DIAMETER STRAIGHT LINE PIPING AFTER THE DISCHARGE, N2, SHOULD BE 3x PIPE DIAMETER
NOTE 3	MAINTENANCE SPACE AROUND PUMP SHOULD BE 18-36" ON A MINIMUM OF ONE SIDE AND SUFFICIENT 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.
NOTE 4	C of G INDICATED IS IN THE DRY CONDITION
NOTE 5	BASEPLATE LIFTING LUGS ARE PENETRANT TESTED EQUIPMENT OWNER AIR PRODUCTS MANUFACTURING LLC

CLIENT	WOLRD ENERGY PARAMOUNT
ORDER NUMBER	4505605365
ITEM NUMBER	18-P-363A/B
HMD PUMP NUMBER	839921
STRIPPER OVERHEAD SOUR WATER PUMP	

4	21/12/2022	REVISED REISSUE	GC
ISS	DATE	CHANGE	AUTH

CONTRACTS ISSUE NUMBER				
INTERNAL USE ONLY				
05	21/12/22	CN2022/313	ARM	KCM
04	03/10/22	CN2022/234	ARM	KCM
03	02/08/22	CN2022/184	ARM	KCM
02	07/07/22	CN2022/155	ARM	KCM
01	11/03/22	INITIAL ISSUE	ARM	BG
ISS	DATE	CHANGE NUMBER	DRN	CHK

ENGINEERING ISSUE NUMBER				
GENERAL ARRANGEMENT DRAWING				
TITLE: LMV-801S DA6 (90 Bar)				
SUBTITLE: SECONDARY CONTAINMENT, API DRAIN PAN, 256 TC MOTOR				
DRAWING NUMBER			X13695	
ISSUE:	05	REVISION:	SHEET No. 1 OF 2	



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HYDRAULIC	ITEM	SIZE	DESCRIPTION	SERVICE
HPLMV801 3 X 2 X 7N	N1	3"	ASME B16.5 600lb RF	SUCTION
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ALLOWABLE PIPING LOADS APPLIED TO NOZZLES (CONFORMS TO API 685)		
	2"	3"
SUCTION	FORCES (lbf)	
	FX	240
	FY	300
	FZ	200
DISCHARGE	FORCES (lbf)	
	FX	160
	FY	200
	FZ	130
BOTH	MOMENTS (ft.lbf)	
	MX	200
	MY	160
	MZ	130

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).

PROJECTION

ELECTRIC MOTOR DETAILS		
MANUFACTURER	BALDOR	
RATING/FRAME	15 HP / 256 TC	
ENCLOSURE	CL1 Div.2 Gr. A,B,C,D T3C	
SUPPLY/SPEED	460 V / 3~ / 60 Hz / 3520 RPM	
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	DRY	OPERATING
WEIGHTS (lb)		
PUMP	756	766
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TOTAL	1771	1781

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NOTE 4 C of G INDICATED IS IN THE DRY CONDITION

NOTE 5 BASEPLATE LIFTING LUGS ARE PENETRANT TESTED
EQUIPMENT OWNER AIR PRODUCTS MANUFACTURING LLC

CLIENT	WOLRD ENERGY PARAMOUNT
ORDER NUMBER	4505605365
ITEM NUMBER	18-P-363A/B STRIPPER OVERHEAD SOUR WATER PUMP
HMD PUMP NUMBER	839921

ISS	DATE	CHANGE	AUTH
4	21/12/2022	REVISED REISSUE	GC

CONTRACTS ISSUE NUMBER

INTERNAL USE ONLY				
05	21/12/22	CN2022/313	ARM	KCM
04	03/10/22	CN2022/234	ARM	KCM
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02	07/07/22	CN2022/155	ARM	KCM
01	11/03/22	INITIAL ISSUE	ARM	BG
ISS	DATE	CHANGE NUMBER	DRN	CHK

ENGINEERING ISSUE NUMBER

GENERAL ARRANGEMENT DRAWING

TITLE: LMV-801S DA6 (90 Bar)
SUBTITLE: SECONDARY CONTAINMENT, API DRAIN PAN, 256 TC MOTOR

DRAWING NUMBER X13695

ISSUE: 05 REVISION: SHEET No. 2 OF 2

ALL DIMENSIONS IN INCHES U.O.S



Addendum:

General Arrangement Drawing

Document Reference No.: HMD-4505605365-B01-01 / BA16 - EN207119-SNDYN-9V3-00075

Tag No.: 18-P-363 A/B

Additional Information:

Service: Stripper Overhead Sour Water Pumps

AP PO Number: 4505605365

WBS Number: 1801

Unit Name: RJFU – Unit B.

Project Location: World Energy, Paramount, CA, USA,

End. & PM by: Flour.

Customer / Client: World Energy Paramount

Equipment Owner: (Including use on equipment name plate): Air Products Manufacturing LLC

Reference Documents:

Equipment Data sheet – EN207119-SNDYN-9V3-00069 / HMD-4505605365-C04-01

Cross Sectional Drawing & Parts List – EN207119-SNDYN-9V3-00053 / HMD-4505605365-D01-01

Motor General Arrangements Drawing – EN207119-SNDYN-9V3-00079 / HMD-4505605365-B03-01

Motor Data Sheet – EN207119-SNDYN-9V3-00097 / HMD-4505605365-C11-01

Coupling Assembly Drawing & Parts List – N/A

Seal GA – N/A (This is a proprietary information and cannot be shared)