





	<b>ILAM Sulfur Removal Unit</b>		
	<b>P.O. No.: 30-PP-00-MA-PO-0003</b>		
 Rotterdam Pump Group	<b>Document Title: General Arrangement Drawing</b>	<b>Rev.: 05</b>	
	<b>Document No.: VP-30-MA-0003-2259</b>	<b>Page 1 of 4</b>	

## General Arrangement Drawing 30-P-3002 AB

<b>Code1</b>	<input type="checkbox"/> <b>No Comment</b> No comment and the document are released for Manufacturing.
<b>Code2</b>	<input type="checkbox"/> <b>No Comment with Note</b> Vendor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated..
<b>Code3</b>	<input type="checkbox"/> <b>Commented</b> Vendor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process.
Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing.	
	<b>Date:</b> <b>Dept:</b> <b>Signature:</b>

05	13-06-2017	Revised Issue	Issued For Review	D.G.	A.S	JV.V	J.VV
04	23-05-2017	Revised Issue	Issued For Review	J.G.	A.S	JV.V	J.VV
03	04-01-2017	Revised Issue	Issued For Review	A.C.	A.S	JV.V	J.VV
02	25-11-2016	Revised Issue	Issued For Review	S.A	A.S	JV.V	J.VV
01	20-10-2016	Revised Issue	Issued For Review	S.A	A.S	JV.V	J.VV
00	9-9-2016	First Issue	Issued For Review	S.A	A.S	JV.V	J.VV
<b>Rev.</b>	<b>Date</b>	<b>Status</b>	<b>Purpose of Issue</b>	<b>PRE'D</b>	<b>CHC'D</b>	<b>APP'D</b>	<b>AUT'D</b>

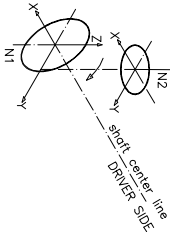
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	<b>P.O. No.: 30-PP-00-MA-PO-0003</b>	
	<b>Document Title: General Arrangement Drawing</b>	<b>Rev.: 05</b>
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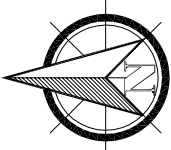
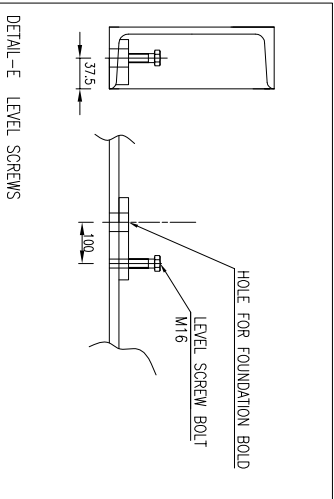
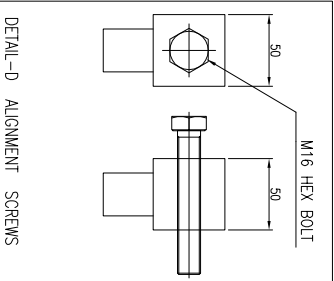
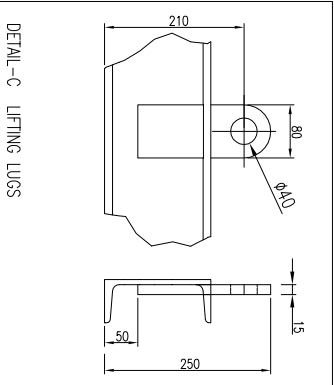
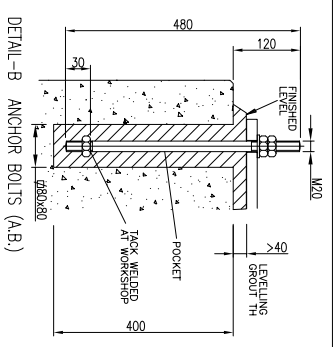
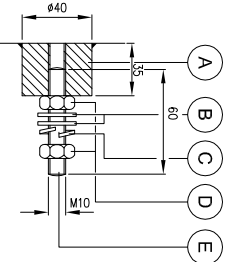
1. General Arrangement Drawing 30-P-3002 AB

Lood		Forces (N) 2xAPI			
		F <sub>x</sub>	F <sub>y</sub>	F <sub>z</sub>	F <sub>r</sub>
Nozzle		2660	2140	1780	3860
Suction (N1)		1420	1160	1780	2560
Discharge (N2)		920	230	700	1240
Lood		Moments (Nm)			
		M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>	M <sub>r</sub>
Nozzle		1900	940	1440	2560
Suction (N1)		920	230	700	1240
Discharge (N2)		920	230	700	1240



EARTHING BOSS BILL OF MATERIAL (2X)	
A	1 BOSS φ40 LG=35 SI.37.2
B	2 M10 WASHER ST. ASI 316
C	1 M10 SPRING WASHER ST. ASI 316
D	2 M10 HEX. NUT ASI 316
E	1 THREADED END M10x60 ASI 316

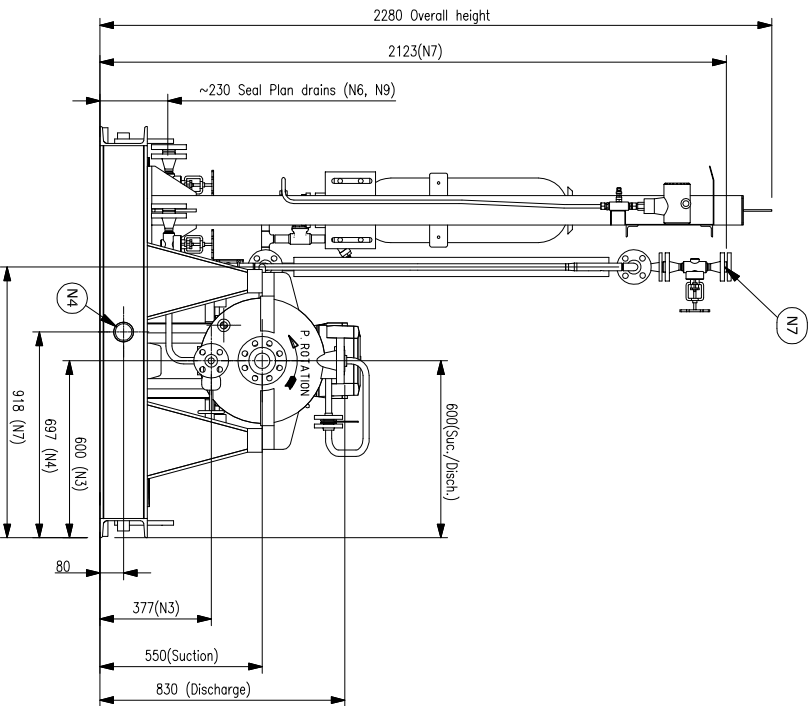
DETAIL-A EARTHING BOSS x 2



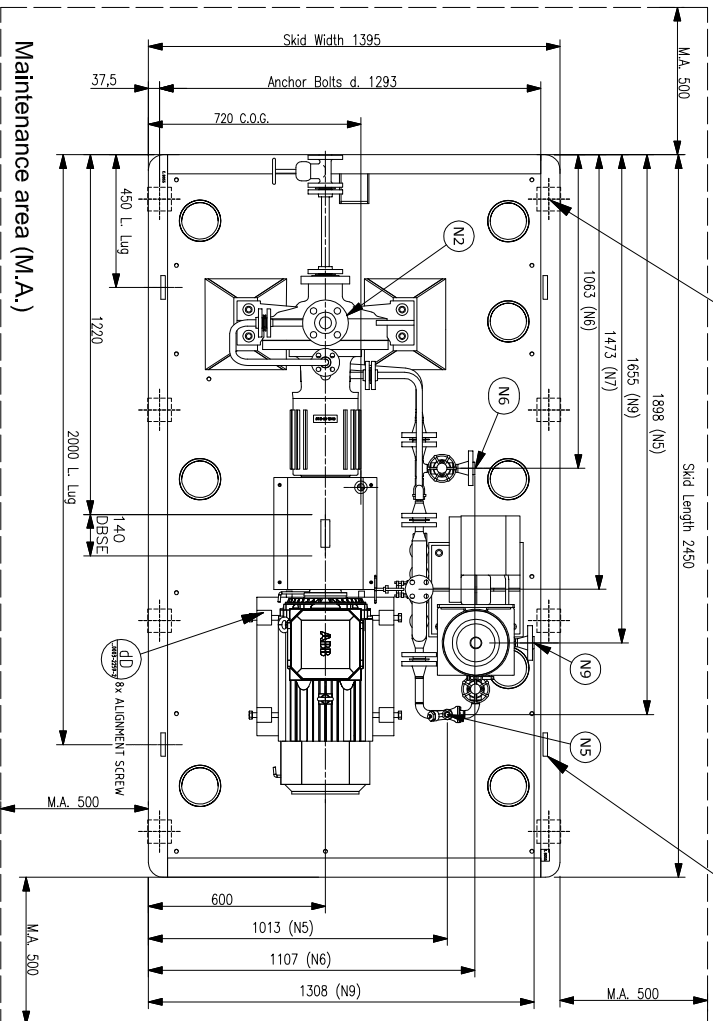
PUMP	
Make	ROODHART
Type/Size	RCOH2-80-40-315
Tag no.	30-P-3002 A/B
MECHANICAL SEAL	
Make	FLUTER ITALY
Type/Size	CARTRIDGE DOUBLE SEAL
Seal Plan	11 + 53B
COUPLING	
Make	KTR
Type/Size	RODEX-N 50
DBSE	140mm
OPERATING CONDITIONS	
Pumped liquid	C4+DUF+MERCAPTANS
Capacity	36.30 m <sup>3</sup> /h
Head	96.20 m
Speed	2960 rpm
Specific gravity	0.541
Temperature	40 °C
Vapor pressure	15.2 bara

MOTOR/DRIVER	
Make	ABB
Type	IC411
Power	18.5kW @ 2354 rpm
Voltage	400V~3 phase 50Hz
Alex	Exd IIC1,4
Tag No.	30-MP-3002 A/B
COMPONENT	
Pump	Weight in Kg 149
Driver	233
Coupling and guard	25
Seal system	150
Base plate	605
Total Weight	1162

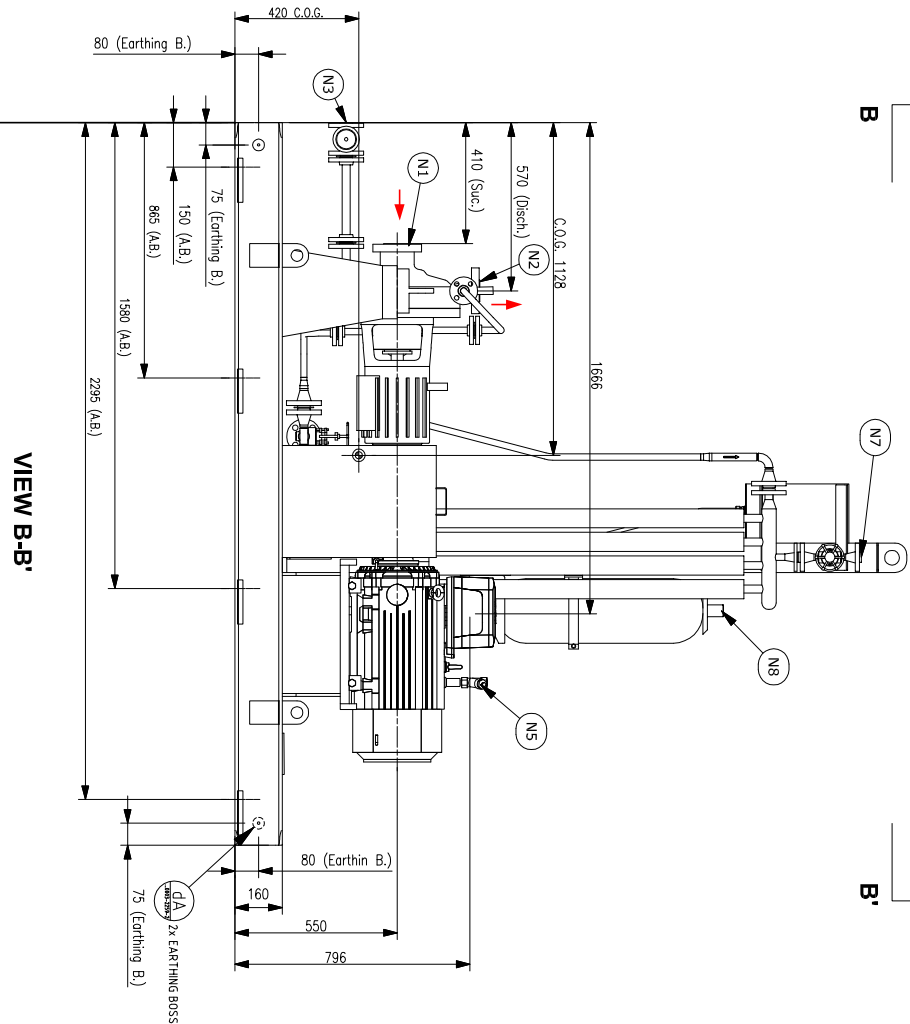
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Base plate	605
Total Weight	1162



VIEW A-A'



VIEW B-B'



VIEW B-B'

## GENERAL NOTES

### REFERENCE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER
INSTRUMENT LIST	VP-30-MA-0003-2255
INSTRUMENT DATA SHEET	VP-30-MA-0003-2268
PUMP DATA SHEET	VP-30-MA-0003-2266
PIPING & INSTRUMENT DIAGRAM'S DRAWING	VP-30-MA-0003-2258
CROSS SECTIONAL DRAWING	VP-30-MA-0003-2260
SURFACE PREPARATION AND PAINTING PROCEDURE	VP-30-MA-0003-4003

NOZZ DESCRIPTION:	SIZE	CODE
N1 Suction flange	3"	ASME B16.5 300#RF
N2 Discharge flange	1-1/2" ASME B16.5 300#RF	
N3 Casing Drain (valve and blind flange)	3/4"	ASME B16.5 300#RF
N4 Baseplate drain	2"	Female NPT
N5 Barrier fluid refill plugged connection DE		Quick Coupling
N6 Plan 53B drain valve DE	3/4"	ASME B16.5 600#RF
N7 Plan 53B Vent valve DE	1/2"	ASME B16.5 600#RF
N8 Accumulator nitrogen re-fill DE		Screw Coupling
N9 Reservoir drain valve DE	3/4"	ASME B16.5 600#RF

FOUNDATION LOADS per bolt (N)			
	STATIC LOADS	DYNAMIC LOADS	TOTAL DOWNWARD FORCE
RIGHT SIDE (from NDE)	2577	-24	2553
LEFT SIDE (from NDE)	1864	24	1888

REV.	DATE	DESCRIPTION	PREP. BY	CH'D. BY	APP'D. BY	AUTH. BY
05	13-06-2017	ISSUED FOR APPROVAL	D.C.	ASC	J.V.D.X.	J.vdV
04	23-05-2017	ISSUED FOR APPROVAL	J.G.	ASC	J.V.D.X.	J.vdV
03	04-01-2016	ISSUED FOR APPROVAL	A.C.	ASC	J.V.D.X.	J.vdV
02	25-11-2016	ISSUED FOR APPROVAL	L.H.	ASC	J.V.D.X.	J.vdV
01	21-10-2016	ISSUED FOR APPROVAL	H.V.	ASC	J.V.D.X.	J.vdV
00	09-09-2016	ISSUED FOR APPROVAL	H.V.	ASC	J.V.D.X.	J.vdV

## ILAM Sulfur Removal Unit

PO No.: 30-D-MA-PO-003-00

STATUS:

SCALE :



ROODHARTPUMPGROUP



Document Title  
GENERAL ARRANGEMENT 30-P-3002 A/B  
RCOH2-80-40-315

DRAWING No.	VP-30-MA-0003-2259	SHEET No.	4 OF 4
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