


	ILAM Sulfur Removal Unit		
	P.O. No.: 30-PP-00-MA-PO-0003		
	Document Title: General Arrangement Drawing		Rev.: 04
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General Arrangement Drawing 30-P-2001 ABC

Code1	<input type="checkbox"/> No Comment No comment and the document are released for Manufacturing.
Code2	<input type="checkbox"/> No Comment with Note Vendor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated..
Code3	<input type="checkbox"/> Commented 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.	
	Date: Dept: Signature:

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
Rev.	Date	Status	Purpose of Issue	PRE'D	CHC'D	APP'D	AUT'D

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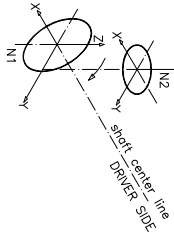
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1. General Arrangement Drawing 30-P-2001 ABC

		Forces (N) 2xAPI			
		F _x	F _y	F _z	F _r
Lood	Nozzle				
	Suction (N1)	2660	2140	1780	3860
	Discharge (N2)	1420	1160	1780	2560
Lood		Moments (Nm)			
		M _x	M _y	M _z	M _r
Nozzle	Suction (N1)	1900	940	1440	2560
	Discharge (N2)	920	230	700	1240



PUMP	
Make	ROODHART
Type/Size	RCOH2-80-40-20
Tog no.	30-P-2001 A/

MECHANICAL SEAL	
Make	FLUEN ITAL
Type/Size	CARTRIDGE DOUBLE SEAL
Seal Plan	11 + 53

COUPLING	
Make	KTI
Type/Size	RADEX-N 4
DBSE	140mm

OPERATING CONDITIONS		DEA SOLUTION
Pumped liquid		m ³ /h
Capacity	20.80	
Head	49.87	m
Speed	2960	rpm
Specific gravity	1.023	
Temperature	40	°C
Vapor pressure	0.16	bara

MOTOR/DRIVER	
Make	ABB
Type	IC241
Power	7.5kW @ 2314 rpm
Voltage	400V-3 phase 50Hz
Alert	End B11 T1
Tng No.	30-MP-2001 A/1

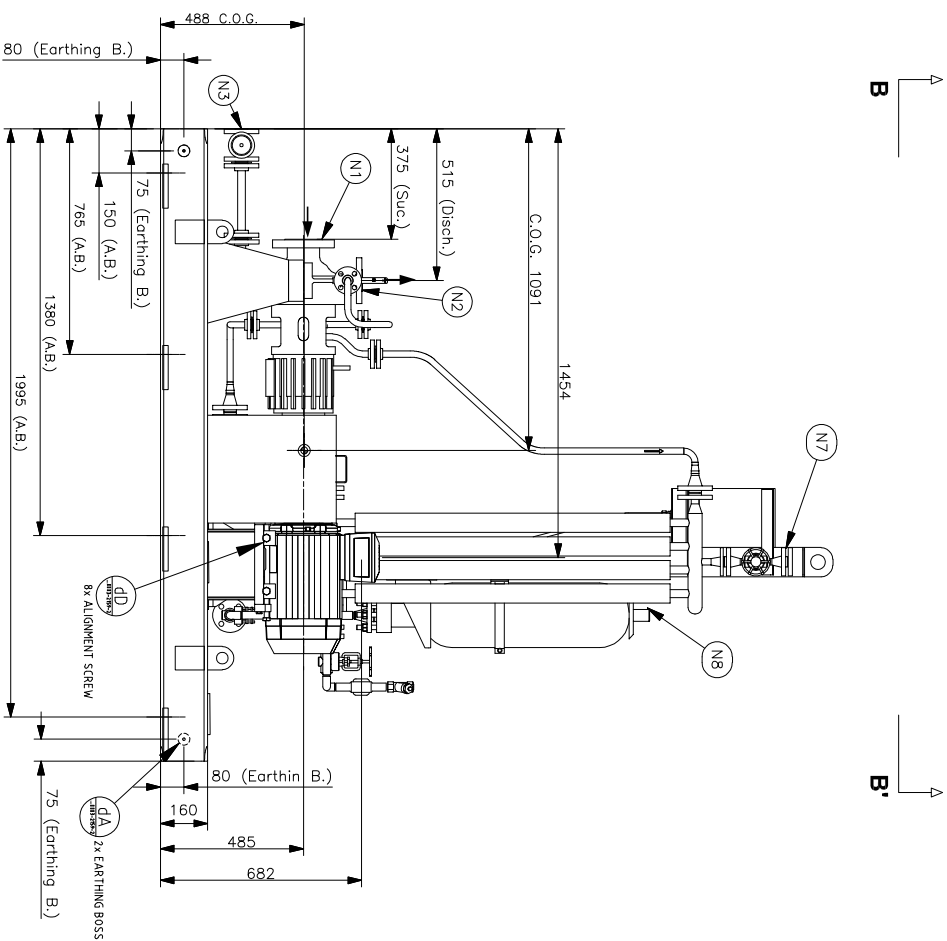
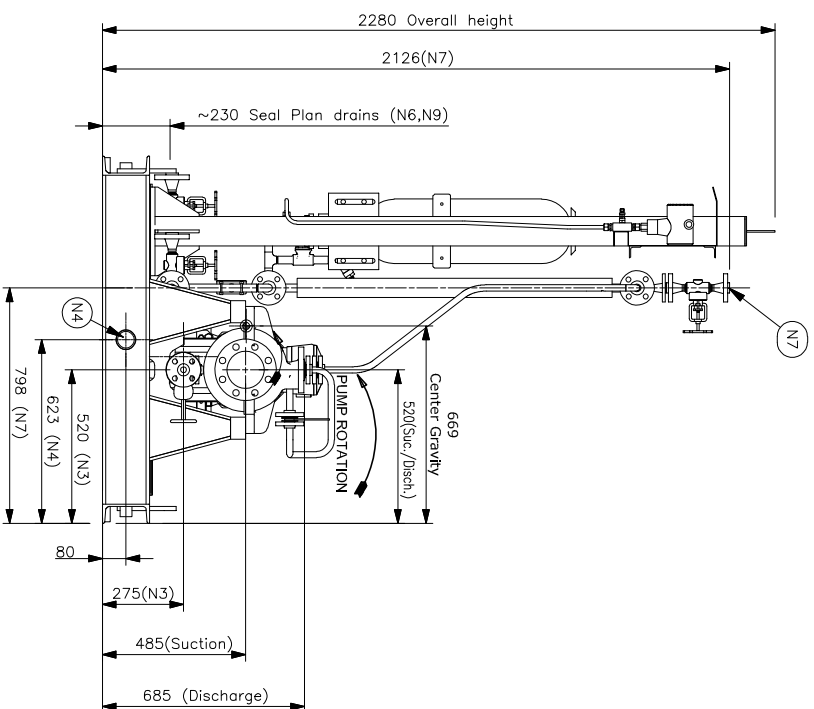
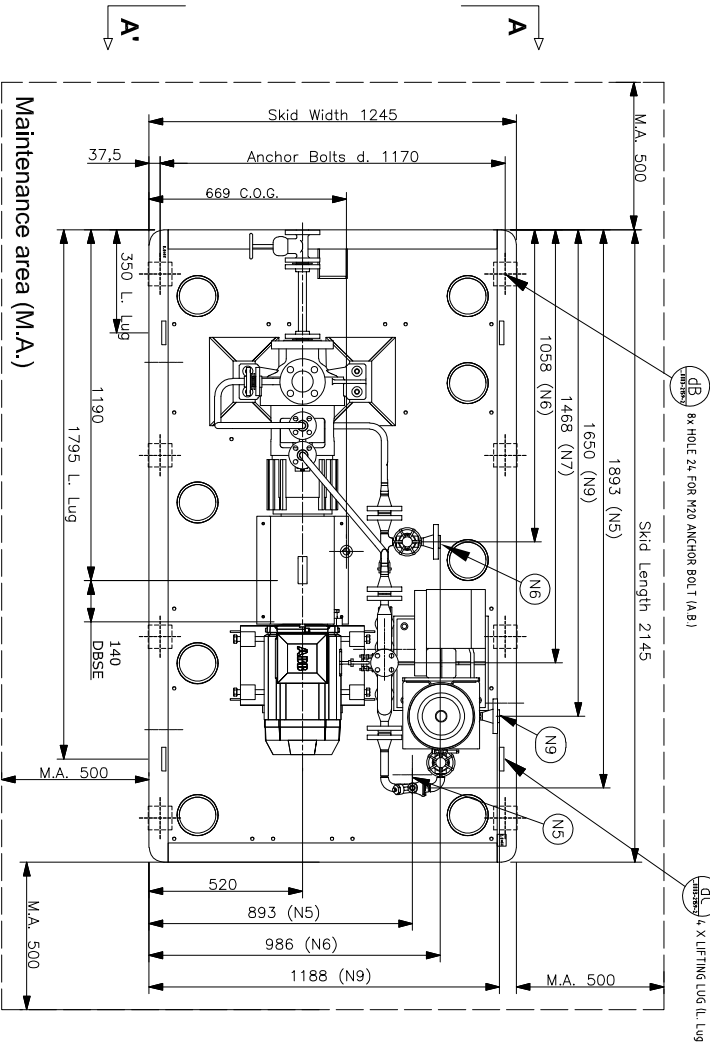
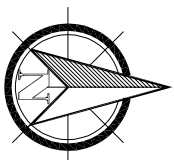
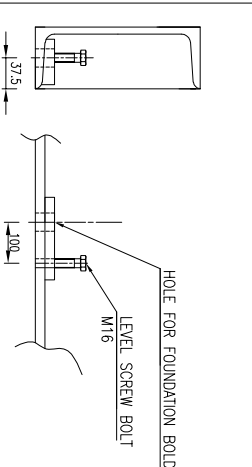
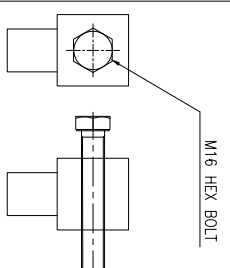
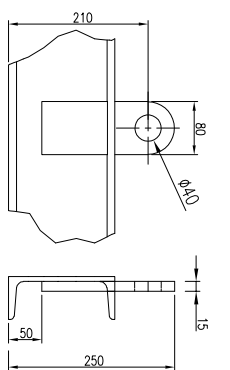
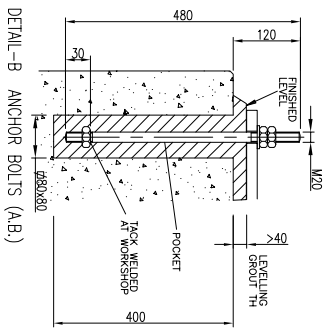
COMPONENT	Weight in Kg
Pump	84
Driver	109
Coupling and guard	20
Seal system	150
Base plate	500
Total Weight	863

Technical drawing of a mechanical assembly. The drawing shows a cross-section of a component with a diameter of $\varnothing 40$ and a length of 60 . The component is mounted on a base with a hole of diameter $M10$. The assembly is labeled with letters A through E, which correspond to the following parts:

- A: Nut
- B: Washer
- C: Spring
- D: Bolt
- E: Base

EARTHING BOSS BILL OF MATERIAL (2X)		
A	1	BOSS Ø40 LG=35 St.37.2
B	2	M10 WASHER AISI 316B
C	1	M10 SPRING WASHER St.
D	2	M10 HEX. NUT AISI 316B
E	1	THREADED END M10x60 AISI 316B

DETAIL-A EARTHING BOSS x 2



GENERAL NOTES

REFERENCE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER
INSTRUMENT LIST	VP-30-MA-0003-2155
INSTRUMENT DATA SHEET	VP-30-MA-0003-2168
PUMP DATA SHEET	VP-30-MA-0003-2156
PIPING & INSTRUMENT DIAGRAM'S DRAWING	VP-30-MA-0003-2158
CROSS SECTIONAL DRAWING	VP-30-MA-0003-2160
SURFACE PREPARATION AND PAINTING PROCEDURE	VP-30-MA-0003-4003

SURFACE PREPARATION AND PAINTING PROCEDURE

NOZZ. DESCRIPTION:	SIZE	CODE
N1 Suction flange	3"	ASME B16.5 300#RR
N2 Discharge flange	1-1/2"	ASME B16.5 300#RR
N3 Casing Drain (valve and blind flange)	3/4"	ASME B16.5 300#RR
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#RR
N7 Plan 53B Vent valve DE	1/2"	ASME B16.5 600#RR
N8 Accumulator nitrogen re-fill DE		Screw Coupling
N9 Reservoir drain valve DE	3/4"	ASME B16.5 600#RR

FUNDATION LOADS per bolt (N)			
	STATIC LOADS	DYNAMIC LOADS	TOTAL DOWNWARD FORCE
RIGHT SIDE (from NDE)	2168	-10	2159
LEFT SIDE (from NDE)	1883	10	1893

FUNDATION LOADS per bolt (N)				
	STATIC LOADS	DYNAMIC LOADS	TOTAL DOWNWARD FORCE	
RIGHT SIDE (from NDE)	2168	-10	2159	
LEFT SIDE (from NDE)	1883	10	1893	

ILAM Sulfur Removal Unit



Document	GENERAL ARRANGEMENT 30-P-2001-A/B
Title	RCOH2-80-40-200

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