


	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-4003 AB

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




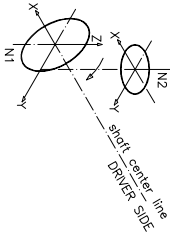
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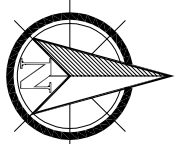
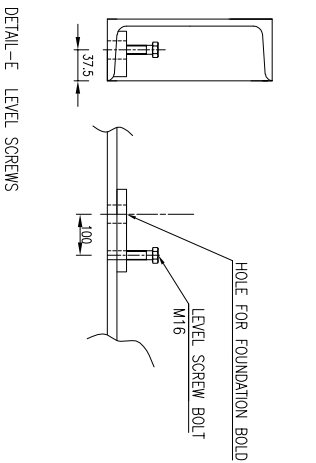
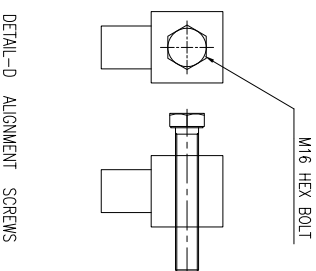
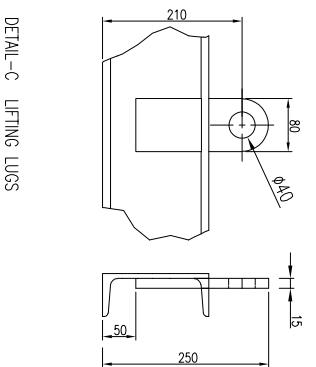
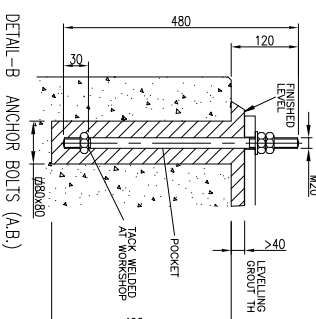
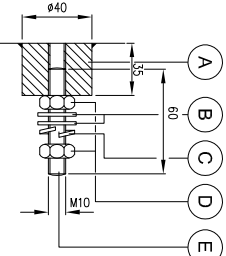
1. General Arrangement Drawing 30-P-4003 AB

Lood		Forces (N) 2xAPI			
Nozzle		Fx	Fy	Fz	Fr
Suction (N1)		3560	2840	2320	5120
Discharge (N2)		2140	1780	2660	3860
Lood		Moments (Nm)			
		Mx	My	Mz	Mr
Suction (N1)		2660	1360	2000	3600
Discharge (N2)		1900	940	1440	2560

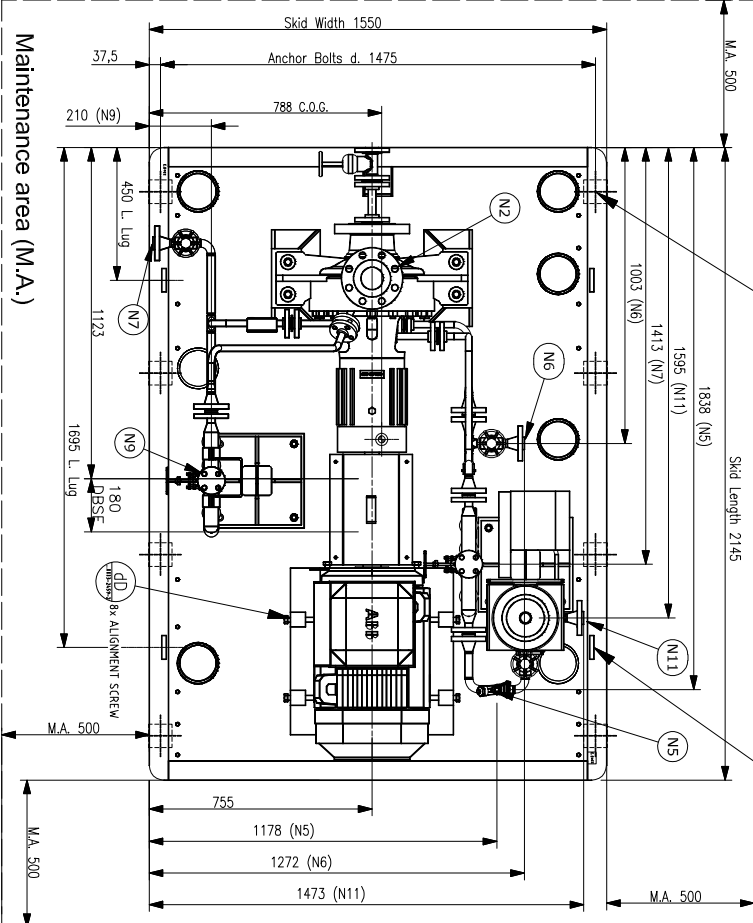


EARTHING BOSS BILL OF MATERIAL (2X)		A	1	BOSS, Ø40 LG=35	SI 37.2
B	2	M10 WASHER	SI	316	
C	1	M10 SPRING WASHER	SI	316	
D	2	M10 HEX. NUT	SI	316	
E	1	THREADED END M10x60	SI	316	

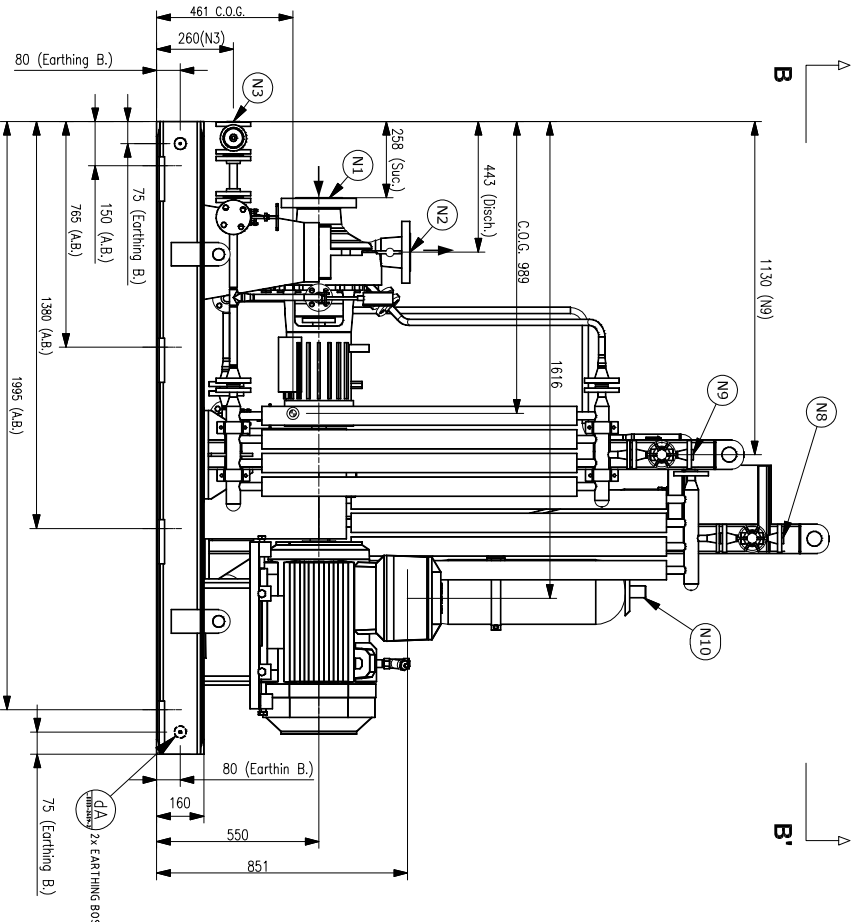
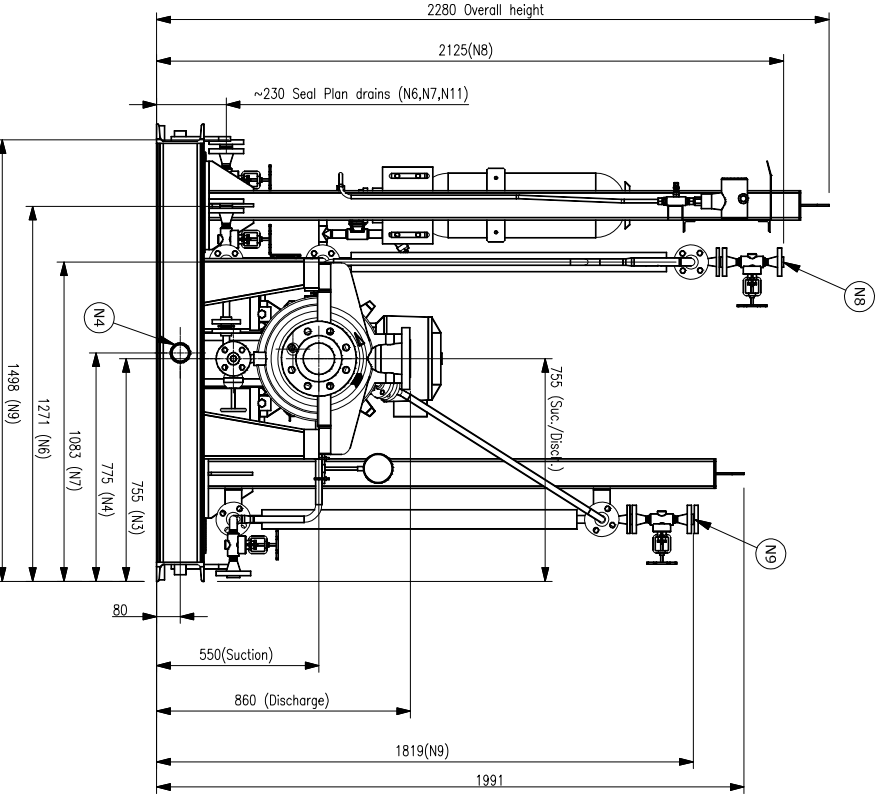
DETAIL-A EARTHING BOSS x 2



A



PUMP		Make	ROODHART
Type/Size		RCOH2-100-80-315	
Tag no.		30-P-4003 A/B	
MECHANICAL SEAL		Make	FLUTEN ITALY
Type/Size		CARTRIDGE DOUBLE SEAL	
Seal Plan			23 x 53B
COUPLING		Make	KTR
Type/Size		RADEX-N 60	
DBSE			180mm
OPERATING CONDITIONS		Pumped liquid	C5-HUIF-HIERCAPINS
Capacity			m ³ /h
Head		102.8	m
Speed		108.60	rpm
Specific gravity		2960	g/cm ³
Temperature		0.564	°C
Vapor pressure		177.5	°C
		9.9	baro
MOTOR/DRIVER		Make	ABB
Type		IC411	
Power		37kW @ 2954 rpm	
Voltage		400V~3 phase 50Hz	
Alex		Exd.IIC 14	
Tag No.		30-MP-4003 A/B	
COMPONENT		Pump	Weight in Kg
		Driver	172
		Coupling and guard	340
		Seal system	20
		Base plate	160
		Total Weight	610



GENERAL NOTES

REFERENCE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER
INSTRUMENT LIST	VP-30-MA-0003-2405
INSTRUMENT DATA SHEET	VP-30-MA-0003-2418
PUMP DATA SHEET	VP-30-MA-0003-2406
PIPING & INSTRUMENT DIAGRAM'S DRAWING	VP-30-MA-0003-2408
CROSS SECTIONAL DRAWING	VP-30-MA-0003-2410
SURFACE PREPARATION AND PAINTING PROCEDURE	VP-30-MA-0003-4003

NOZZLE DESCRIPTION:	SIZE	CODE
N1 Suction flange	4"	ASME B16.5 300#RF
N2 Discharge flange	3"	ASME B16.5 300#RF
N3 Casing Drain (valve and blind flange)	3/4"	ASME B16.5 300#RF
N4 Boreplate drain	2"	Female NPT
N5 Barrier fluid refill plugged connection		Quick Coupling
N6 Plan 53B drain valve	3/4"	ASME B16.5 600#RF
N7 Plan 23 drain valve	3/4"	ASME B16.5 600#RF
N8 Plan 53B Vent valve	1/2"	ASME B16.5 600#RF
N9 Plan 23 Vent valve	1/2"	ASME B16.5 600#RF
N10 Accumulator nitrogen re-fill		Screw Coupling
N11 Reservoir drain valve	3/4"	ASME B16.5 600#RF

FUNDATION LOADS per bolt (N)		
STATIC LOADS	DYNAMIC LOADS	TOTAL DOWNWARD FORCE
RIGHT SIDE (from NDE)	4031	-49
LEFT SIDE (from NDE)	1925	49
		1973

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

ILAM Sulfur Removal Unit

PO No.: 30-DD-MA-PO-003-00	STATUS:	SCALE :
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