


	ILAM Sulfur Removal Unit		
	P.O. No.: 30-PP-00-MA-PO-0003		
	Document Title: General Arrangement Drawing	Rev.: 06	
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General Arrangement Drawing 30-P-5002 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:

06	13-06-2017	Revised Issue	Issued For Review	D.G.	A.S	JV.V	J.VV
05	23-05-2017	Revised Issue	Issued For Review	A.C.	A.S	JV.V	J.VV
04	19-01-2017	Revised Issue	Issued For Review	A.C.	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-5002 AB

GENERAL NOTES

REFERENCE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER
INSRTUMENT LIST	VP-30-MA-0003-2505
INSRTUMENT DATA SHEET	VP-30-MA-0003-2518
PUMP DATA SHEET	VP-30-MA-0003-2506
PIPING & INSTRUMENT DIAGRAM'S DRAWING	VP-30-MA-0003-2508
CROSS SECTIONAL DRAWING	VP-30-MA-0003-2510
SURFACE PREPARATION AND PAINTING PROCEDURE	VP-30-MA-0003-4003

NOZZ. DESCRIPTION:	SIZE	CODE
N1 Suction flange	8"	ASME B16.5 300#RF
N2 Discharge flange	6"	ASME B16.5 300#RF
N3 Suction Vent	3/4"	ASME B16.5 300#RF
N4 Discharge Vent	3/4"	ASME B16.5 300#RF
N5 Drain	1"	ASME B16.5 300#RF
N6 Barrier fluid refill plugged connection DE		Quick Coupling
N7 Pion 53B drain valve DE	3/4"	ASME B16.5 600#RF
N8 Pion 53B Vent valve DE	1/2"	ASME B16.5 600#RF
N9 Accumulator nitrogen re-fill DE		Screw Coupling
N10 Reservoir drain valve DE	3/4"	ASME B16.5 600#RF

FUNDATION LOADS per bolt (N)		
STATIC LOADS DYNAMIC LOADS TOTAL DOWNWARD FORCE		
RIGHT SIDE (from NDE)	8185	-63
LEFT SIDE (from NDE)	7017	63
		7140

06	13-06-2017	ISSUED FOR APPROVAL	D.G.	MSC	J.V.D.X.	J.vd'
05	23-06-2017	ISSUED FOR APPROVAL	J.G.	MSC	J.V.D.X.	J.vd'
04	19-01-2017	ISSUED FOR APPROVAL	A.C.	MSC	J.V.D.V.	J.vd'
03	04-01-2017	ISSUED FOR APPROVAL	A.C.	MSC	J.V.D.X.	J.vd'
02	28-11-2016	ISSUED FOR APPROVAL	L.H.	MSC	J.V.D.V.	J.vd'
01	21-10-2016	ISSUED FOR APPROVAL	H.V.	MSC	J.V.D.V.	J.vd'
0	06-09-2016	ISSUED FOR APPROVAL	H.V.	MSC	J.V.D.X.	J.vd'
REV.	DATE	DESCRIPTION	PREP. BY	CH'D. BY	APP'D. BY	AUTH BY

ILAM Sulfur Removal Unit

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

STATUS:

SCALE :



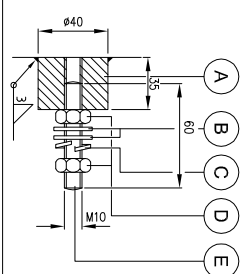
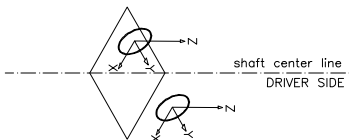
ROODHARTPUMP GROUP



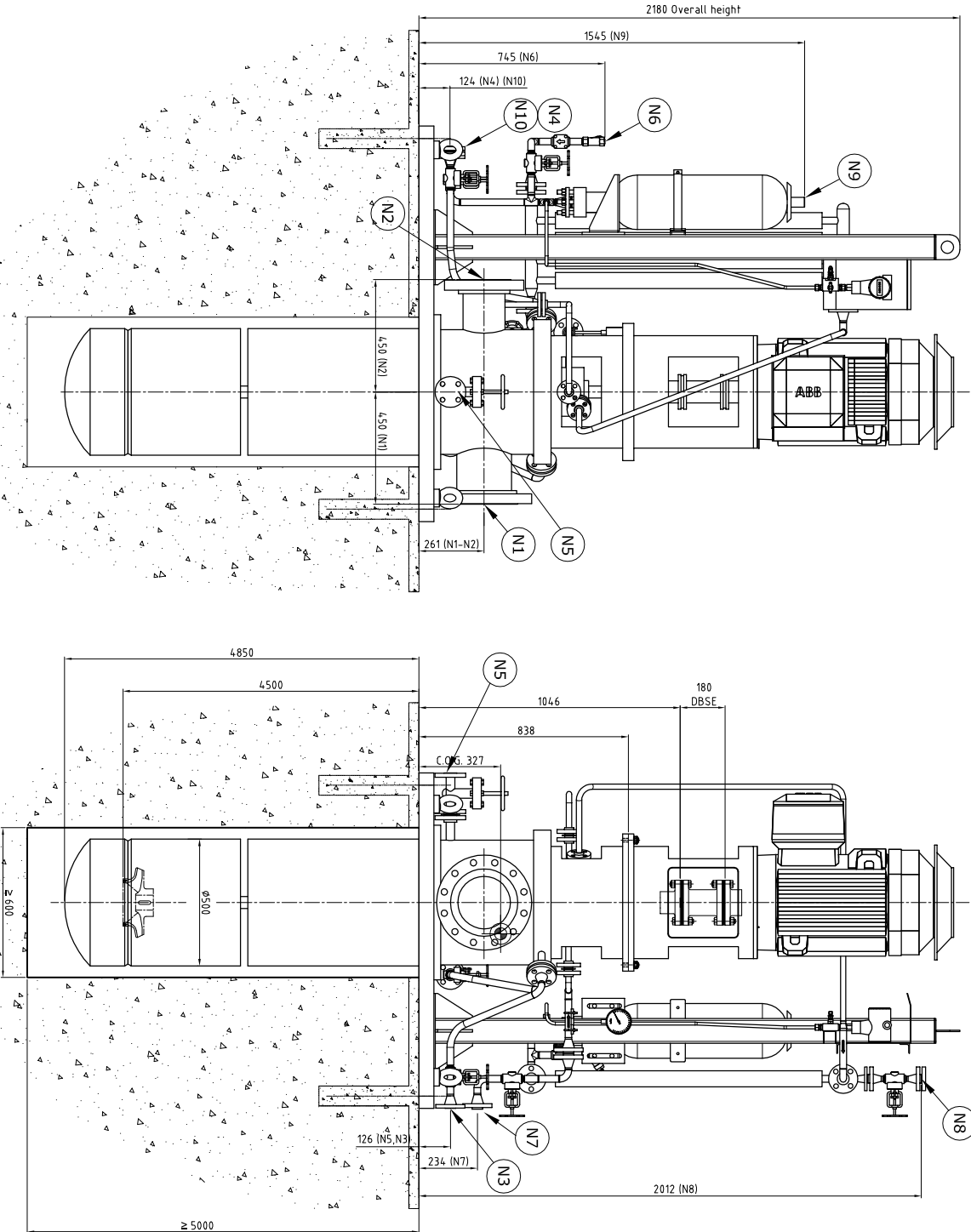
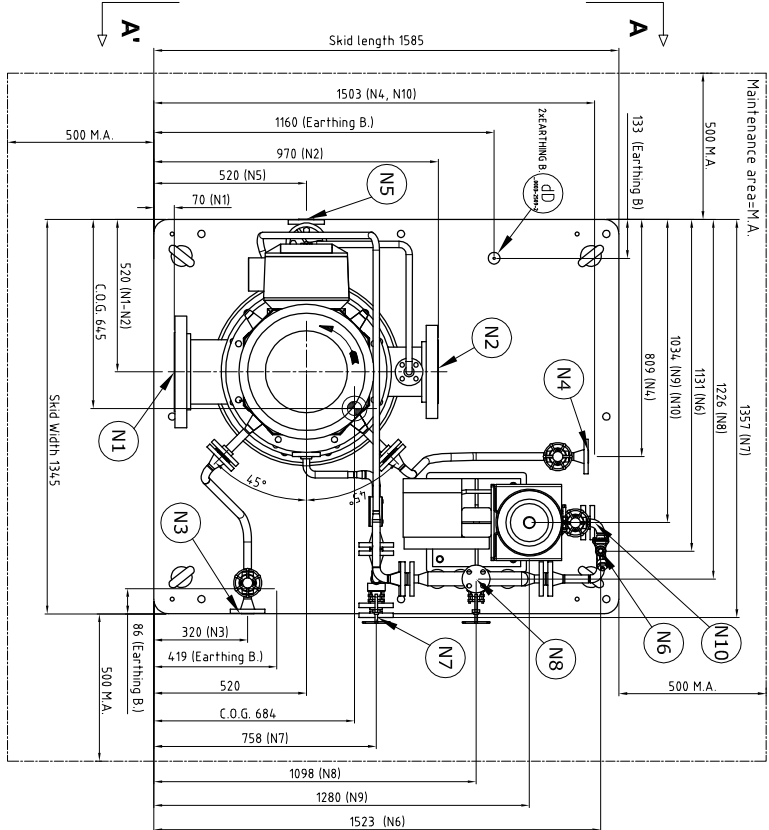
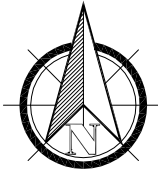
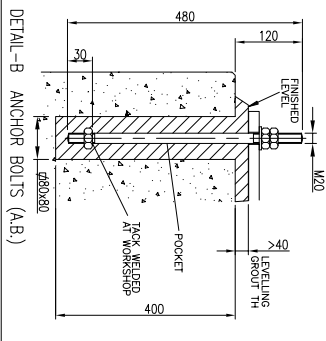
Document Title GENERAL ARRANGEMENT 30-P-5002-A/B ROYS6-200-150-20X7

DRAWING No.	VP-30-MA-0003-2509	SHEET No.	4 OF 4
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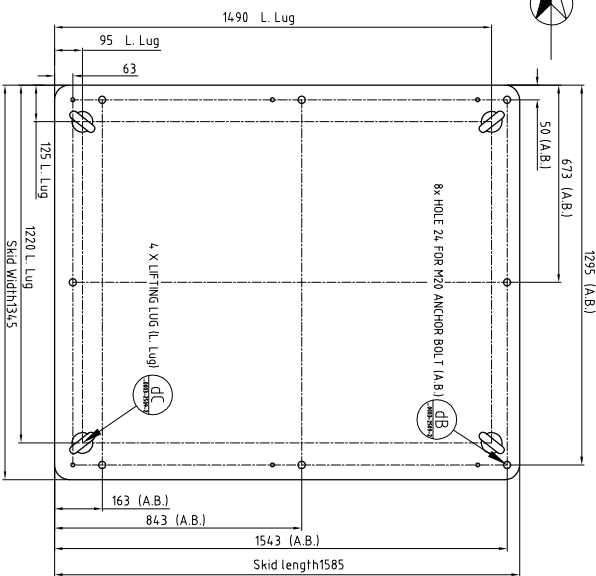
Load		Forces (N) 2xAPI				
Nozzle	Fx	Fy	Fz	F _r		
Suction (N1)	7560	6220	9780	13840		
Discharge (N2)	4980	4100	6220	8960		
Load		Moments (Nm)				
Nozzle	Mx	My	Mz	M _r		
Suction (N1)	7060	3520	5160	9420		
Discharge (N2)	4600	2360	3520	6260		



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



PUMP	
Make	ROODHART
Type/Size	RCV6 200-150-20x7
Tag no.	30-P-5002 A/B
MECHANICAL SEAL	
Make	FLUTEN ITALY
Type/Size	CARTRIDGE DOUBLE SEAL
Seal Plan	11 + 538
COUPLING	
Make	KTR
Type/Size	RODEX-N 60
DBSE	180mm
OPERATING CONDITIONS	
Pumped liquid	C5+
Capacity	111.3 m ³ /h
Head	98.98 m
Speed	1480 rpm
Specific gravity	0.751
Temperature	42 °C
Vapor pressure	0.89 baro
MOTOR/DRIVER	
Make	ABB
Type	IC411
Power	45kW @ 1480 rpm
Voltage	400V-3 phase 50Hz
Tag No.	30-MP-5002 A/B
COMPONENT	
Pump	2000
Driver	425
Seal system	150
Base pole	1000
Can	800
Total Weight	4375



Anchor and lifting plan