










OWNER:  شرکت پتروشیمی بوشهر شیمی بوشهر	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR						 Netherlands		
MC :  شرکت سمیت و سوی توسعه ایرانیان	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-04B	BU	20	VD	303	ME	DWG	0076	Rev.:	Page
								00	1 of 3

Reply sheet shall be sent in next revision.

GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

 شرکت پتروشیمی بوشهر شیمی بوشهر	 Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	CM	
Next Status : IFC,IFA,IFI,AFC,AB	IFA	
Responsible Department	MECHANICAL	
Commented Date	Jul /11/2021	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

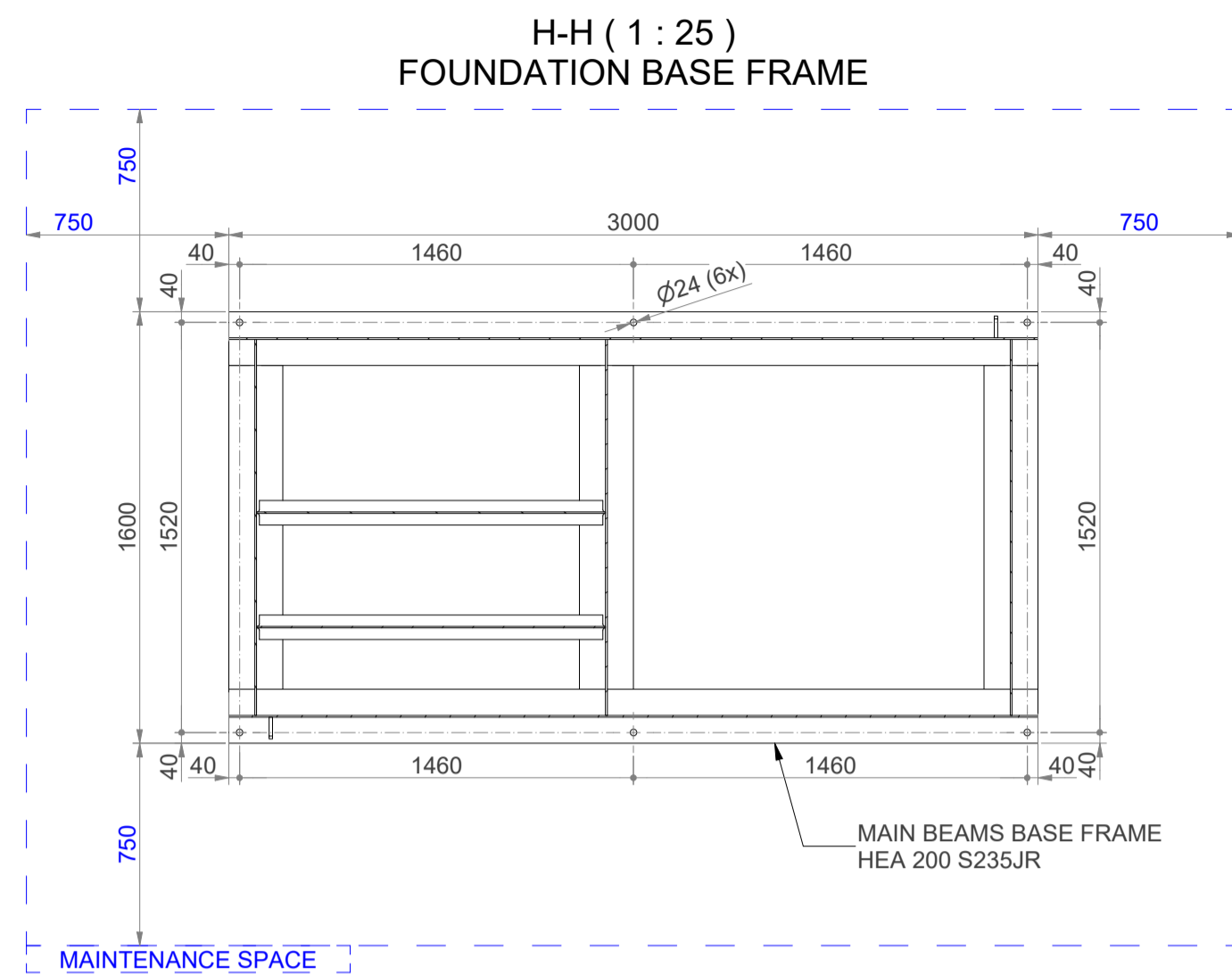
03	30/06/2021	For approval	AV	KP	PW	
02	12/01/2021	For approval	AV	KP	PW	
01	23/11/2020	For approval	AV	KP	PW	
00	30/10/2020	For approval	AV	KP	PW	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: 1p

OWNER:  شرکت پتروشیمی بوشهر B.U.P.C.	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Airpack Netherlands					
	General Arrangement Drawing (incl foundation load details) for reciprocating compressor											
MC :  شرکت سمت و سوی توسعه ایرانیان NDV EC	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445				
Owner Document Number: 17811-04B	BU	20	VD	303	ME	DWG	0076	<table border="1"> <tr> <td>Rev.:</td> <td>Page</td> </tr> <tr> <td style="border: 1px solid red;">00</td> <td>2 of 3</td> </tr> </table>	Rev.:	Page	00	2 of 3
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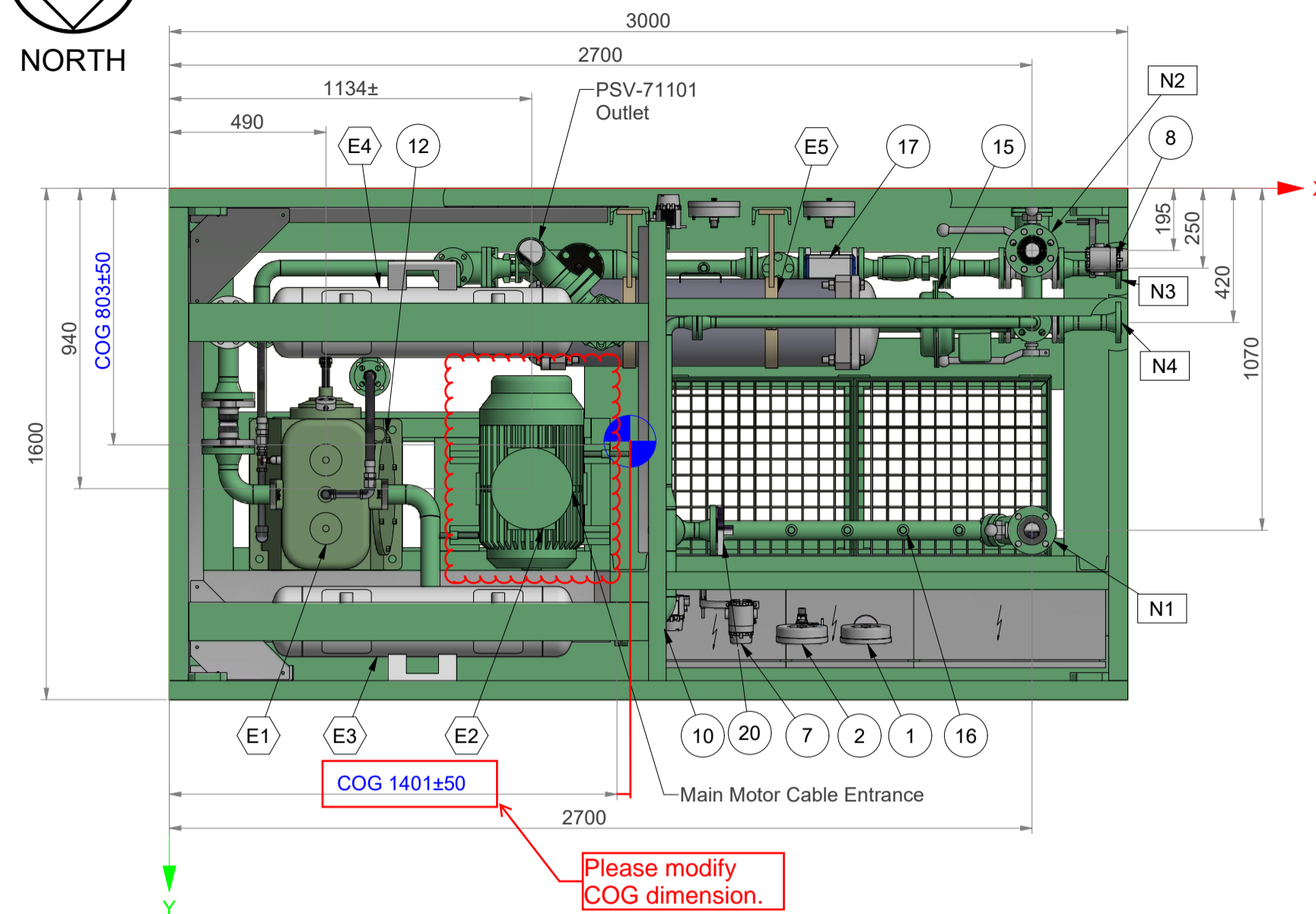
TABULATION OF REVISED PAGES

Page	D00	D01	D02	D03	D04
1.	X	X	X	X	
2.	X	X	X	X	
3.	X	X	X	X	
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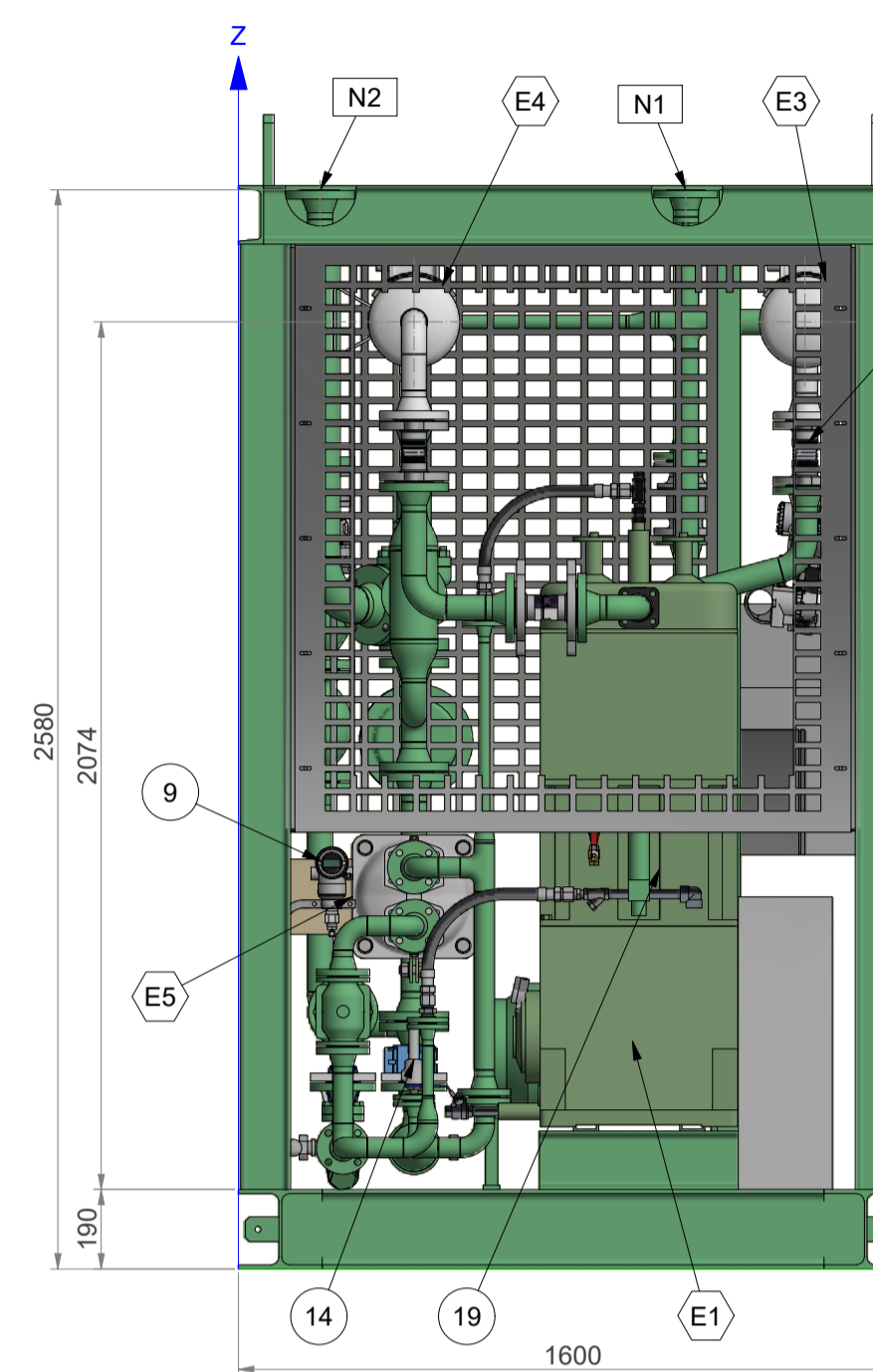


A (1:18) Top View

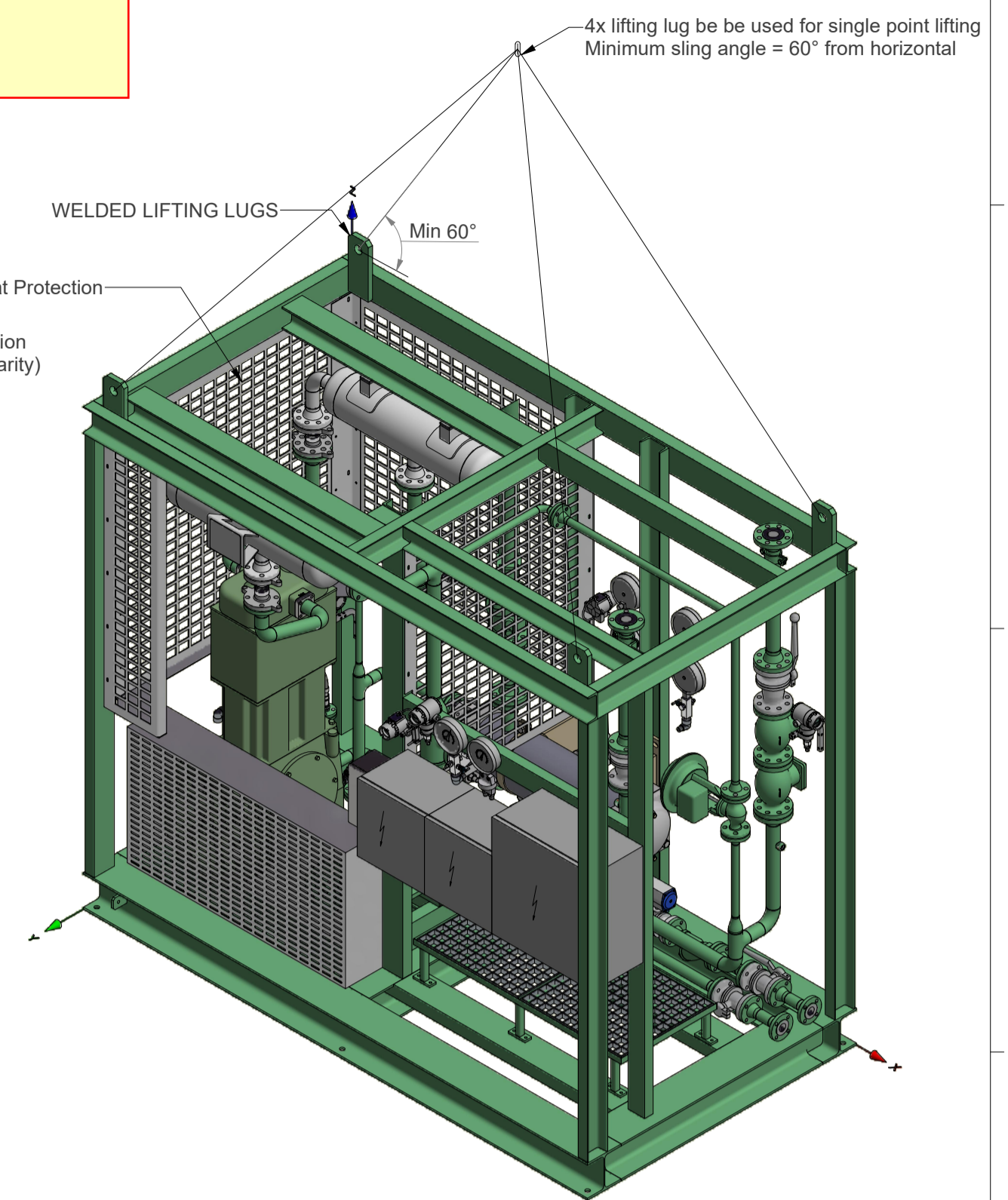


- Reply sheet shall be submitted by vendor.
- Coordinate of instruments and JB's location (X,Y,Z) regarding to base point shall be specified.
- Base point of package shall be specified.
- Cable tray routing shall be specified.
- Cable tray cross section shall be specified.

B (1:18) Left Side View



Isometric View (1:24)



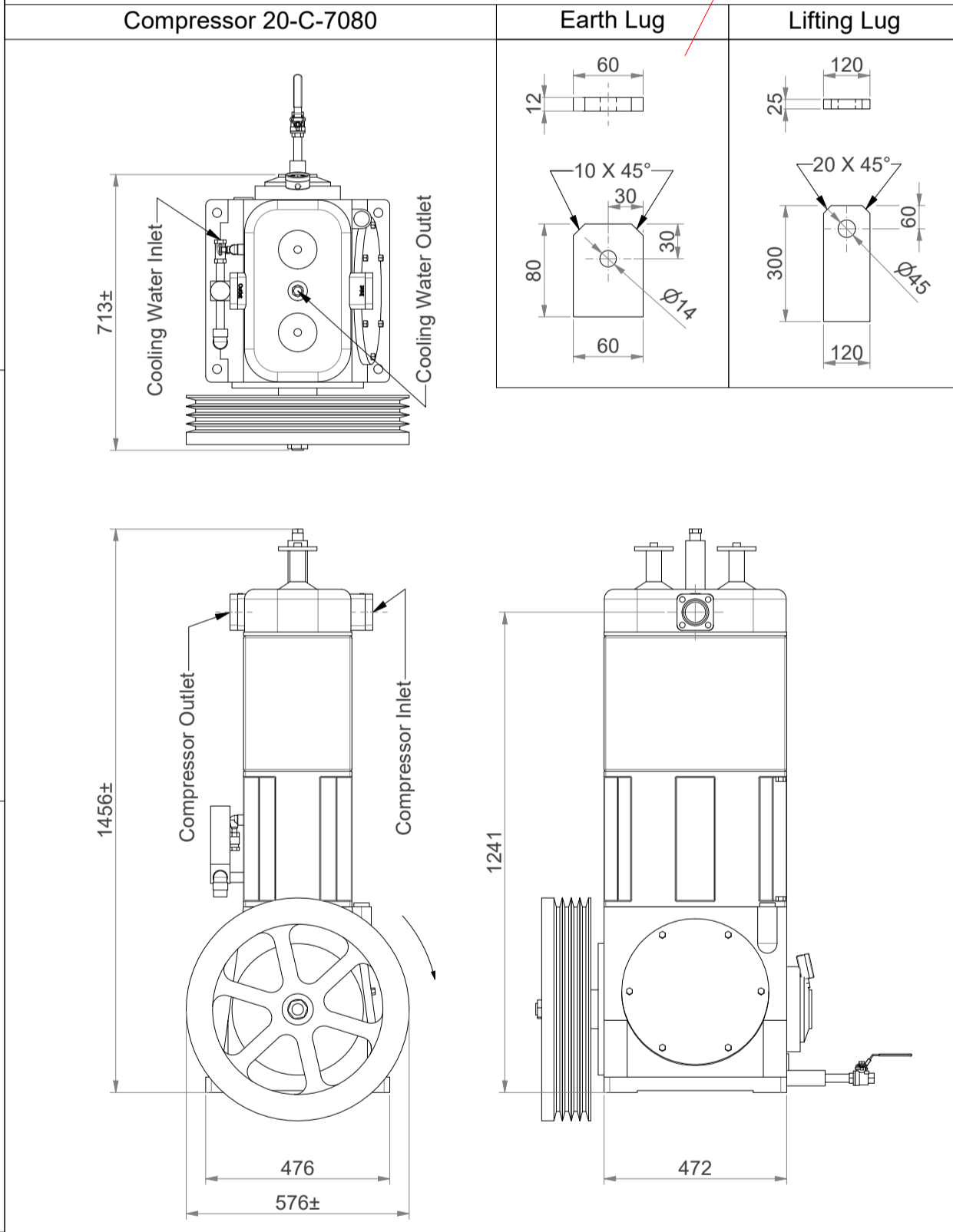
EL.02: Earth lugs shall be suitable to be connect to the earth cable 70mm.

EL.01: Specify exact place of earth lugs in the drawing.

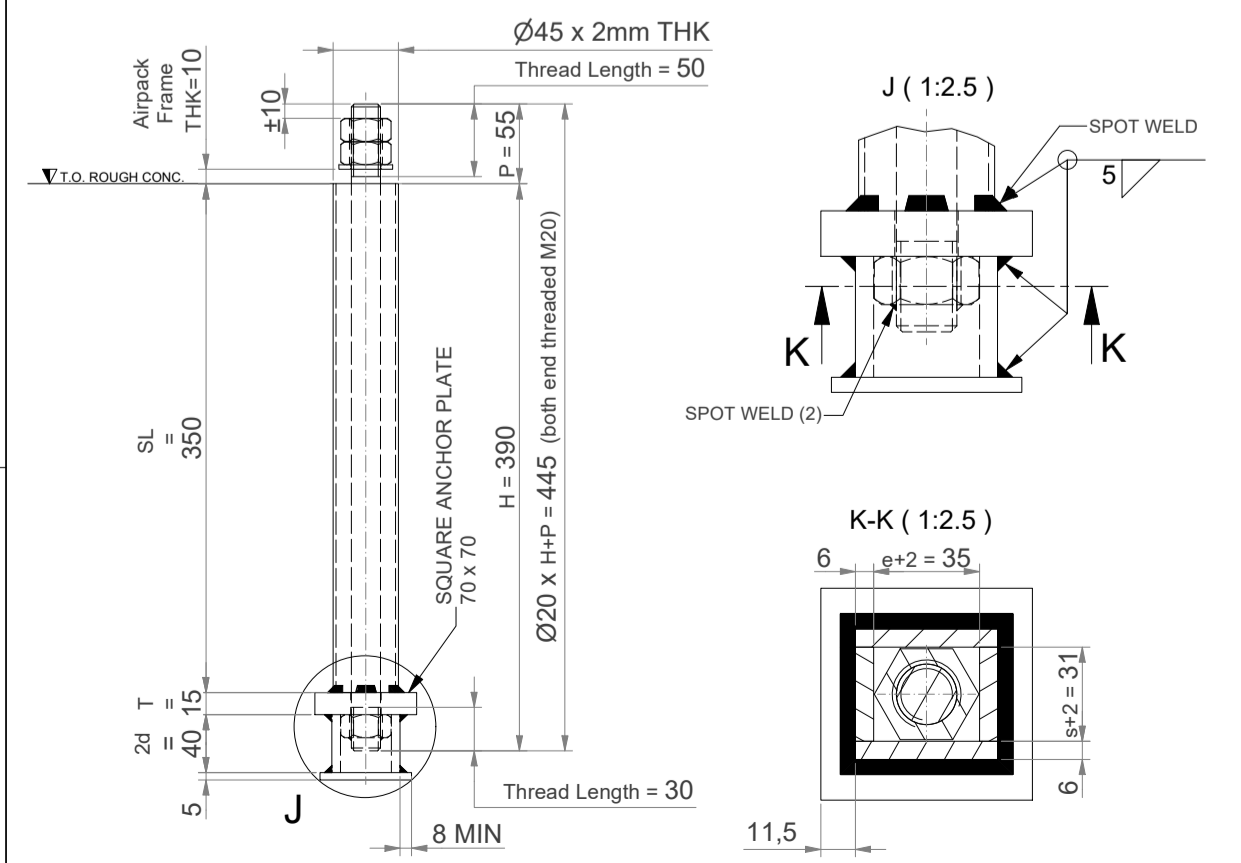
Please modify COG dimension.

CLIENT COMMENT: Please add: Compressor information table including motor data

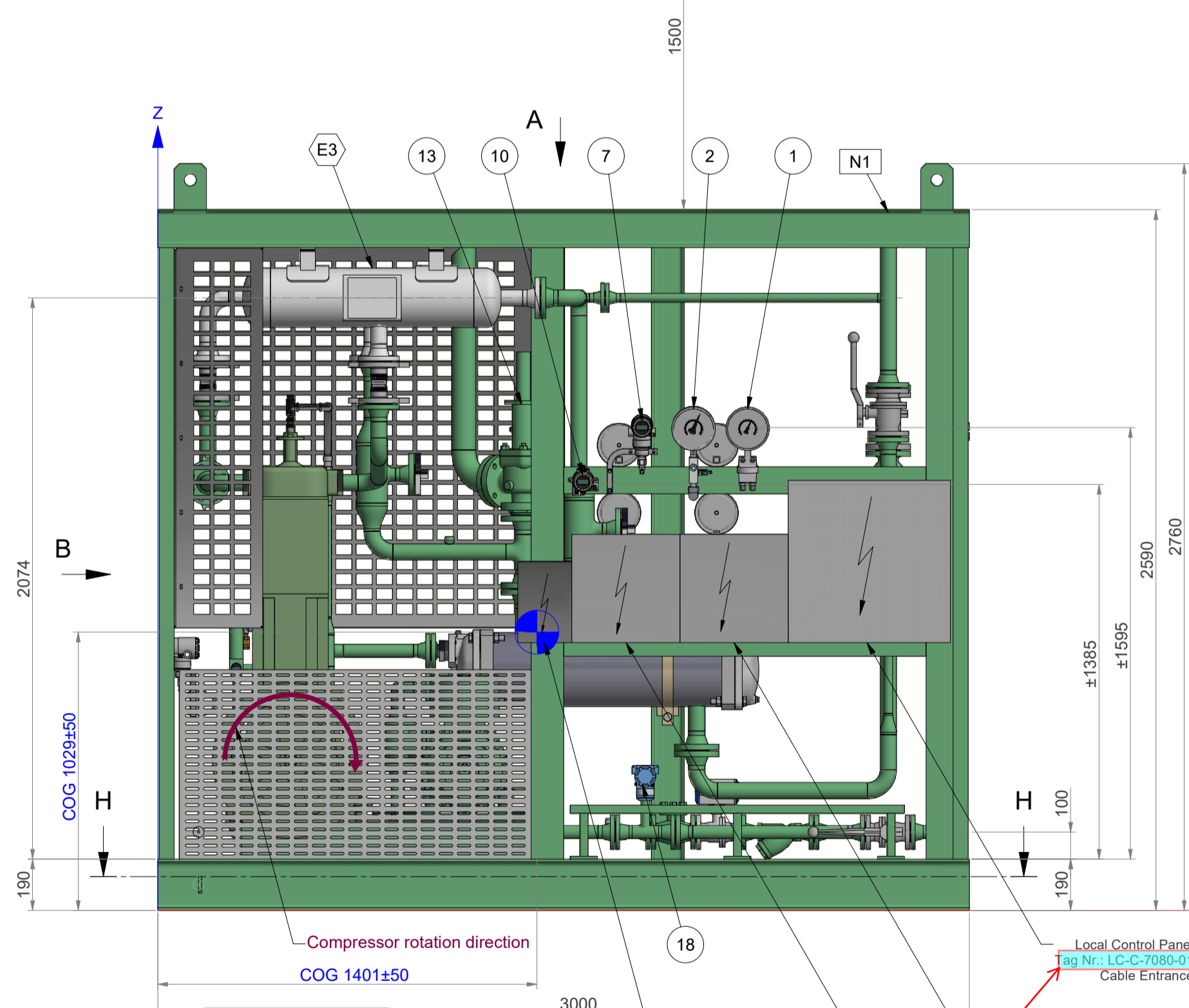
DETAILS



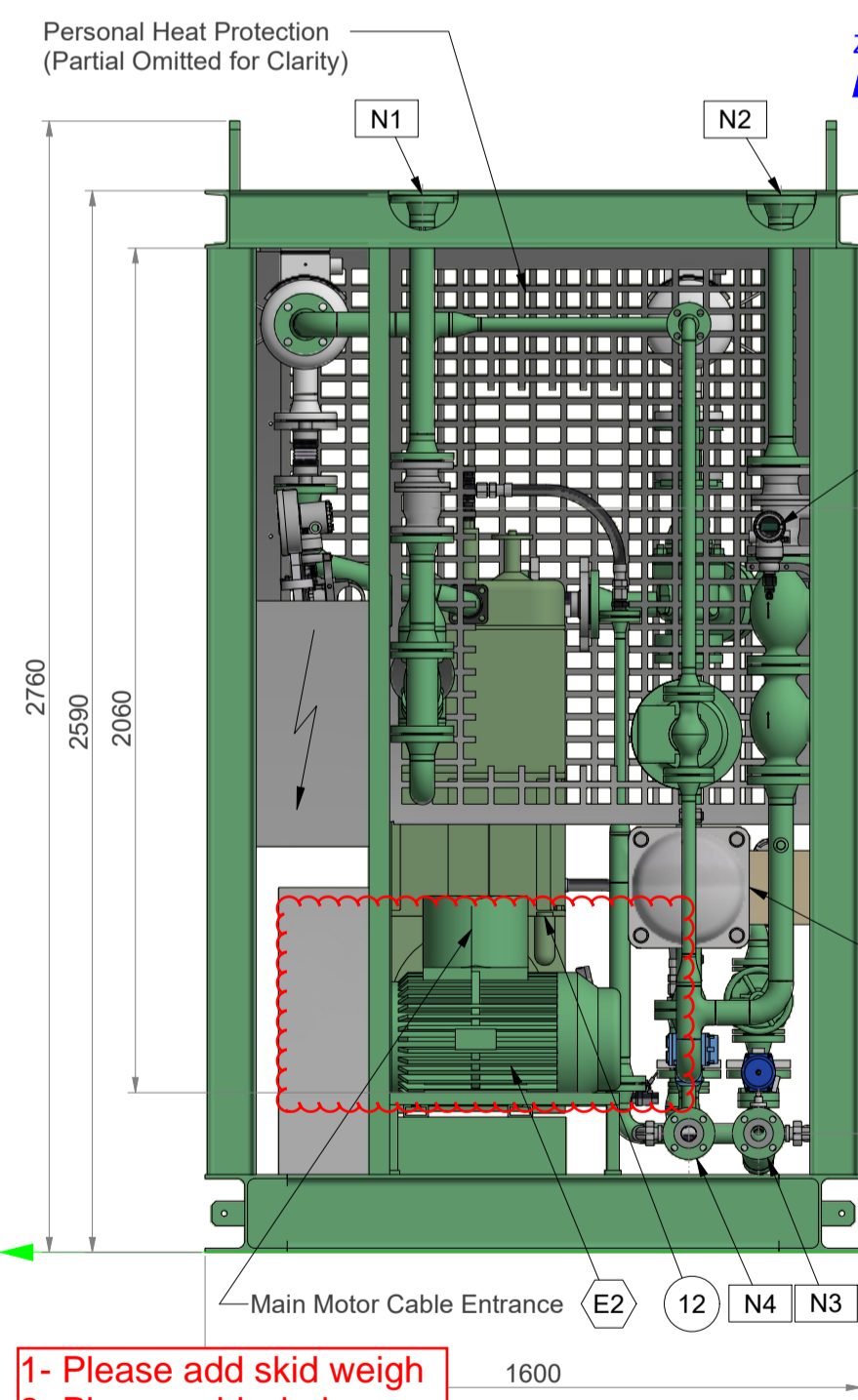
Anchor Bolts 6 x Type: M20CZ55-350, acc. to: BU-20-D-000-ST-SPC-746-02. Grout = Type G2.



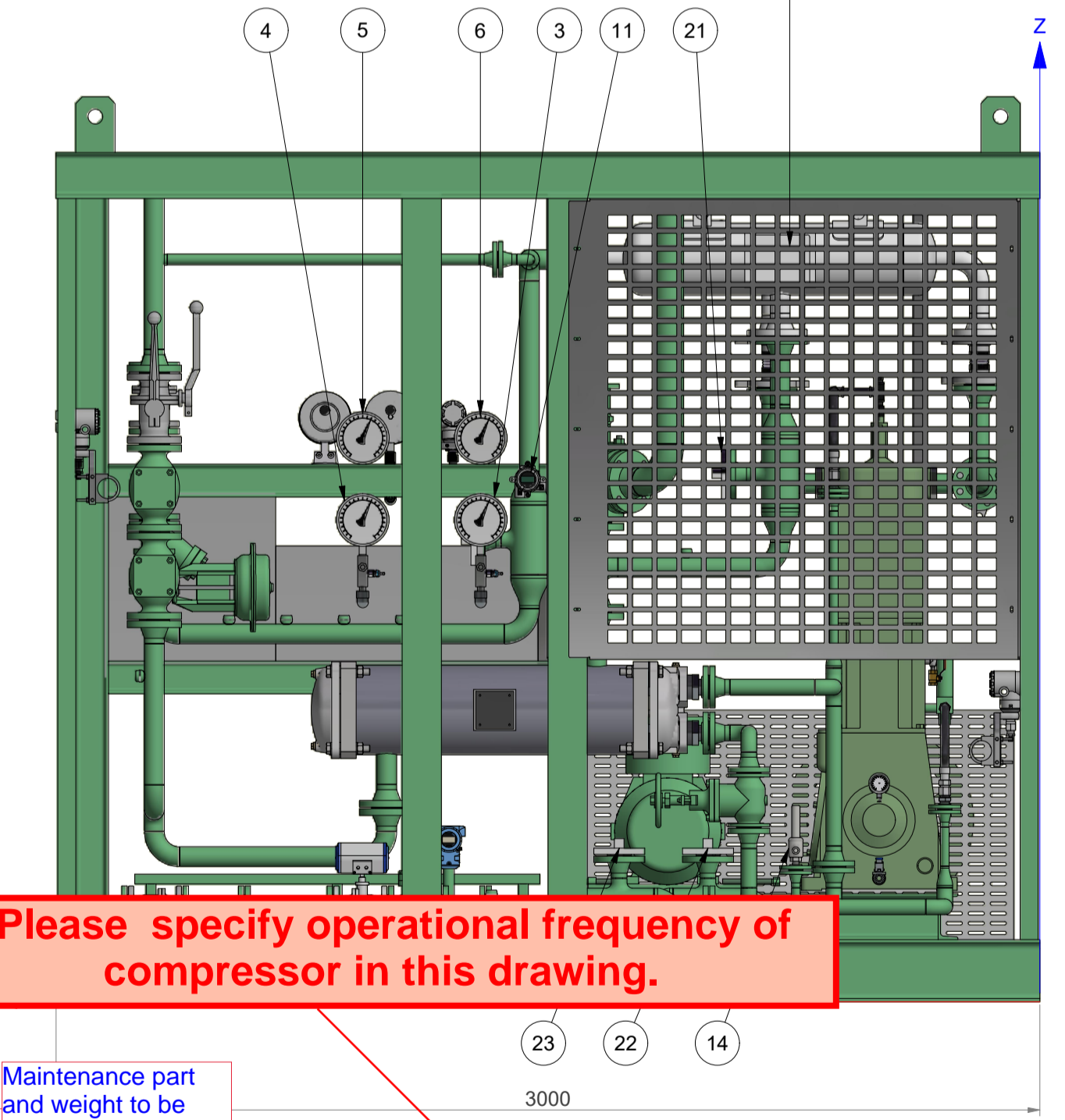
Front View (1:18)



Right Side View



Back Side View (1:18)



1-Please specify operational frequency of compressor in this drawing.

1- Please add skid weigh
2- Please add whole compressor package weight.

Maintenance part and weight to be added

Considering the fact that 1 1/2" is met the criteria. Please check if 1 1/2" can be used.

Please refer to comment on page 2 of P&ID

Tag numbers must be consistent with Tag numbers in PID.

INSTRUMENT DATA			INSTRUMENT DATA		
Identification nr.	DEVICE	Tag Nr. Nitrogen Comp.	Identification nr.	DEVICE	Tag Nr. Nitrogen Comp.
1	Diff. Pressure Gauge	PDG-71101	13	Pressure Safety Valve	PSV-71101
2	Pressure Gauge	PG-71102	14	Pressure Safety Valve	PSV-71102
3	Pressure Gauge	PG-71105	15	Pressure Control Valve	PCV-71101
4	Pressure Gauge	PG-71106	16	Solenoid	XY-71101
5	Temperature Gauge	TG-71103	17	Solenoid	XY-71102
6	Temperature Gauge	TG-71104	18	Flow Transmitter	FT-71101
7	Pressure Transmitter	PIT-71103	19	Vibration Transmitter	VT-71101
8	Pressure Transmitter	PIT-71104	20	Thermowell	TW-71101
9	Pressure Transmitter	PIT-71104	21	Thermowell	TW-71102
10	Temperature Transmitter	TIT-71101	22	Thermowell	TW-71103
11	Temperature Transmitter	TIT-71102	23	Thermowell	TW-71104
12	Level Gauge	LG-71101			

EQUIPMENT DATA				
Identification nr.	Description	Weight (Kg)	Tag Nr.	Nitrogen Comp.
E1	Compressor	180	20-C-7080	
E2	Main Motor	211	20-C-7080-M	
E3	Pulsation Damper Inlet	65	20-DC-7080-1	
E4	Pulsation Damper Outlet	70	20-DC-7080-2	
E5	After Cooler	75	20-AEC-7080-1	

NOZZLE DATA														
Tie - in Point	Nozzle	Size	Rating	Type	Material	Max. allowable nozzle loads					Nozzle coordinates (mm)			
						FH	FA	FV	MH	MA	MV	X	Y	Z
Air/Nitrogen Inlet	N1	2" ANSI/ASME Sch80	150#	WN-RF	A/SA105N	2	2	2	0.9	2	0.9	2700	1070	2580
Air/Nitrogen Outlet	N2	2" ANSI/ASME Sch80	300#	WN-RF	A/SA105N	2	2	2	0.9	2	0.9	2700	195	2580
Cooling Water Inlet	N3	1 1/2" ANSI/ASME Sch80	150#	WN-RF	A/SA105N	1.5	1.5	1.5	0.5	1.5	0.5	2980	250	290
Cooling Water Outlet	N4	1 1/2" ANSI/ASME Sch80	150#	WN-RF	A/SA105N	1.5	1.5	1.5	0.5	1.5	0.5	2980	420	290

ESTIMATED OPERATIONAL WEIGHT = 3.000KG
HEAVIEST MAINTENANCE PART = 211KG
ESTIMATED STATIC LOAD = 29.4KN
DYNAMIC LOAD IS NEGLIGIBLE DUE TO THE SIZE OF THE BASE FRAME.

FOOTPRINT of INSTRUMENT AIR COMPRESSOR PACKAGE 20-C-7080

Client: Bushehr Petrochemical Company (BUPC)
Client Ref: MEG20-PO-BP303-021

Subject: INSTRUMENT AIR COMPRESSOR PACKAGE 20-C-7080

Client: Airpack Nederland BV
Gronweg 25
4301 RN Zierikzee
The Netherlands
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Telefax: (31) (0) 111 - 413238
E-mail: airpack@airpack.nl
URL: http://www.airpack.nl

MODIFICATIONS	REV.	DATE	DRAWN	ACC.
03	28-6-2021	AV	KP	
02	11-1-2021	SdB	KP	
01	23-11-2020	SdB	KP	

17811-COM
17811-Footprint-Air Comp-1 Sheet 1 of 1