





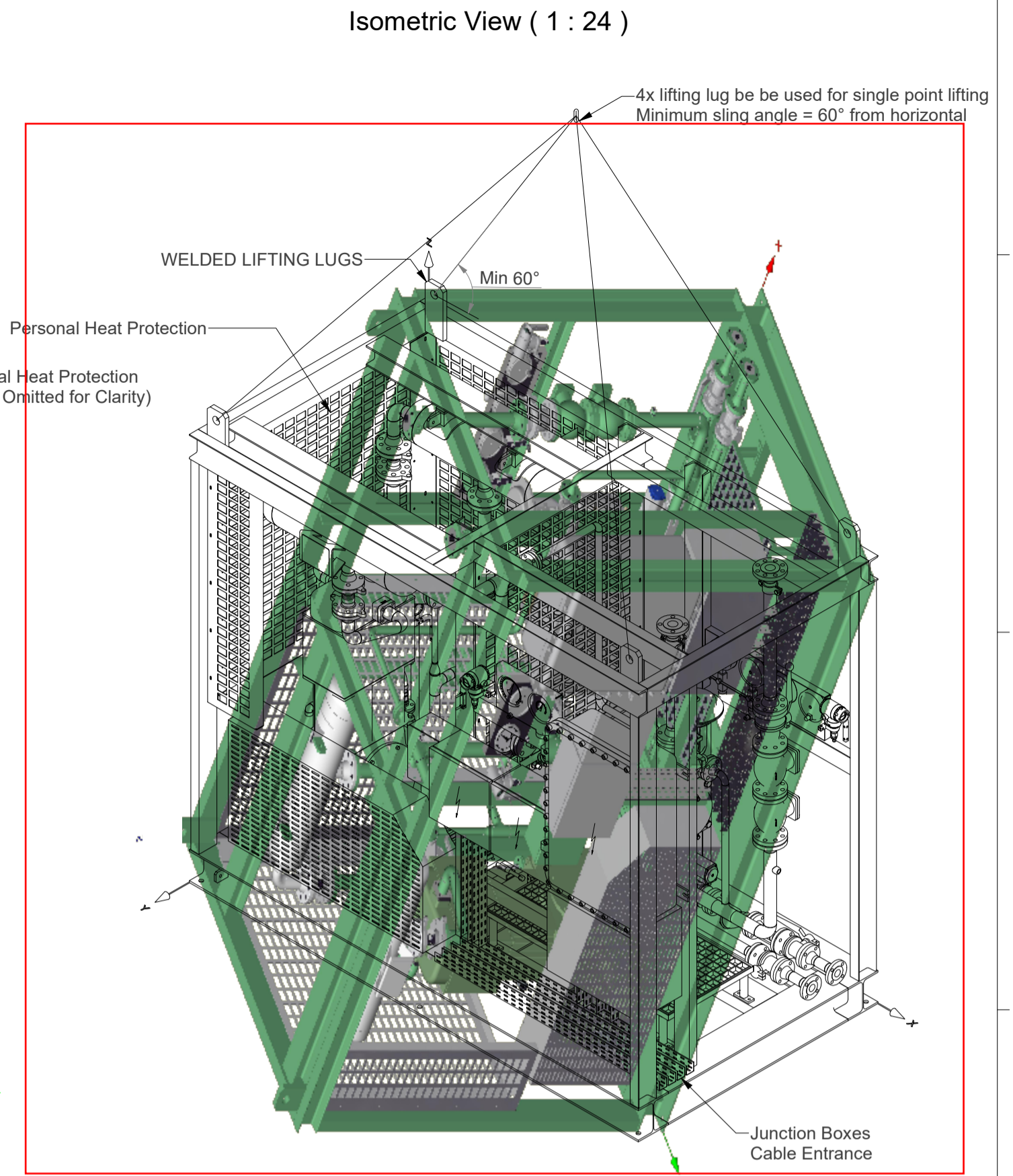
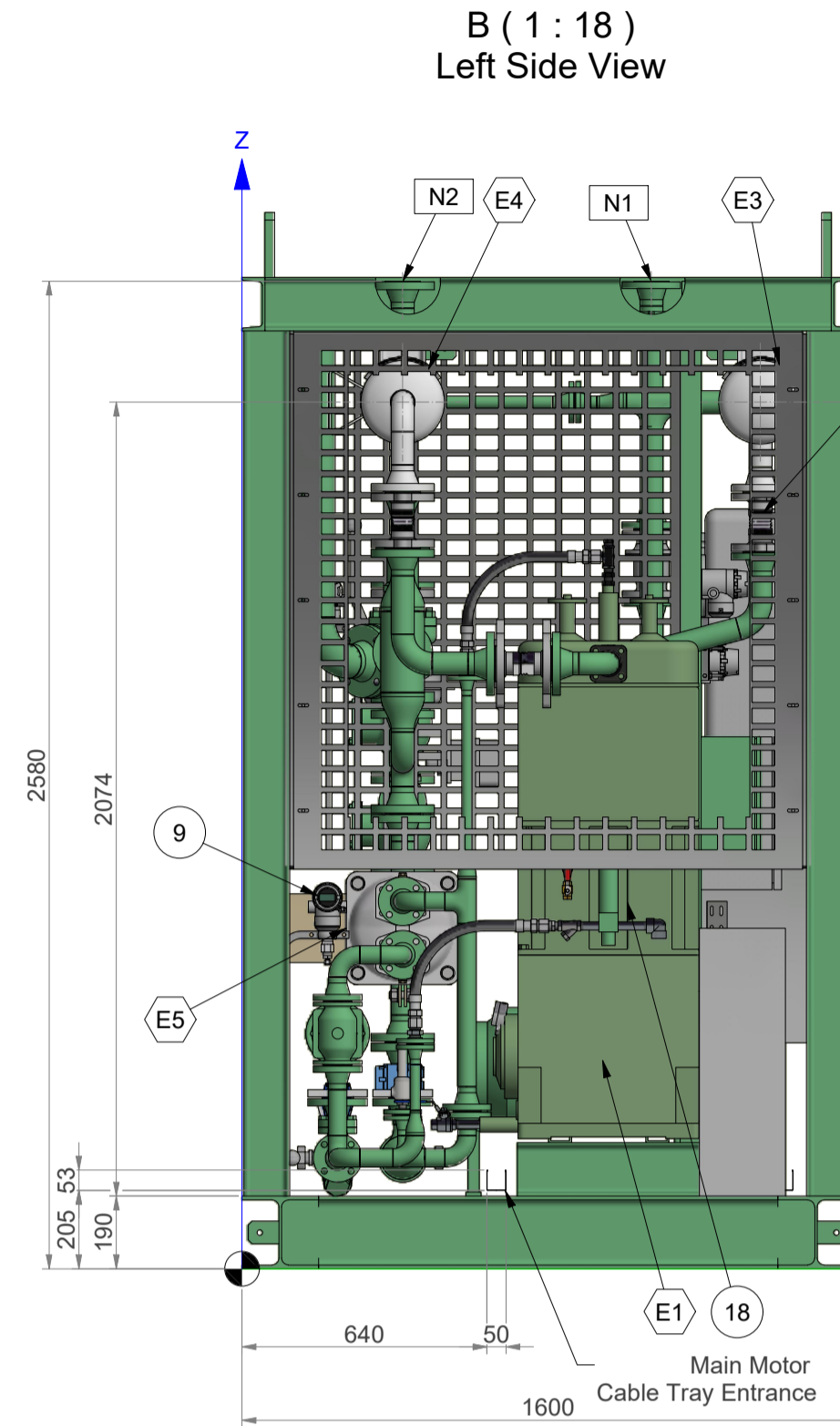
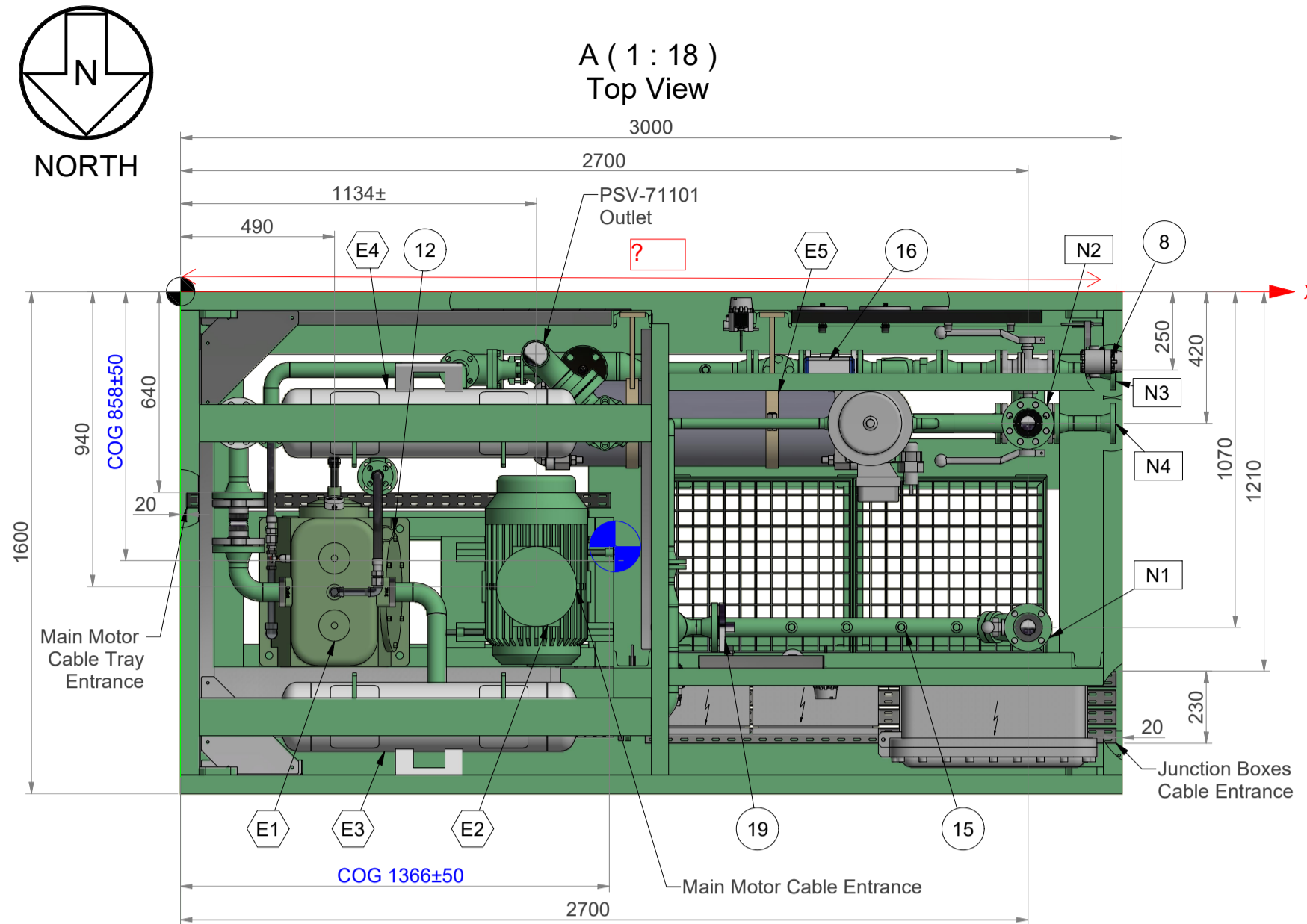
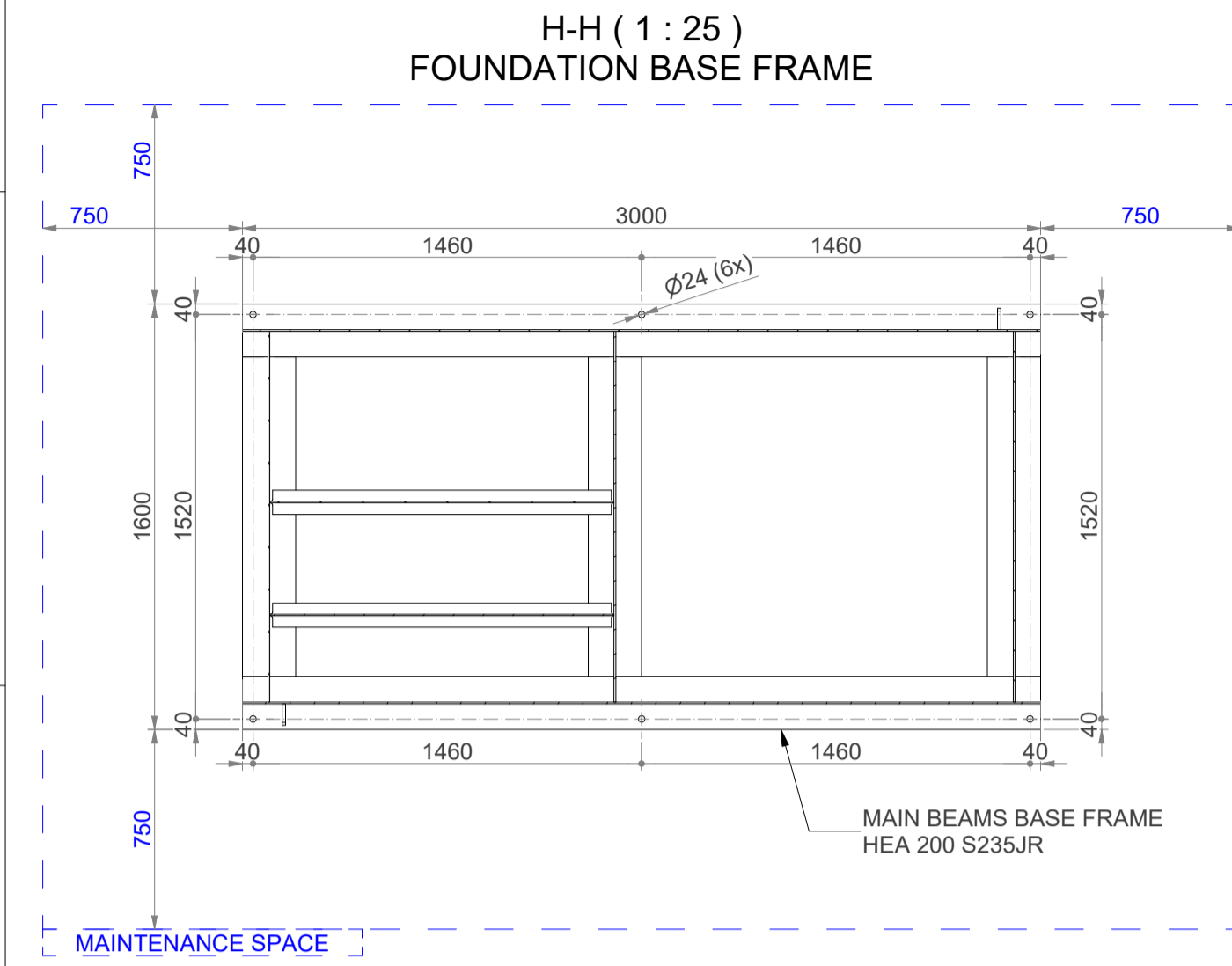


OWNER:  شرکت سست و سویی توپو ایرانیاان (سهایی ناس)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR:  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	
	GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR							 Netherlands	
MC :  شرکت سست و سویی توپو ایرانیاان (سهایی ناس)	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
								06	1 of 3

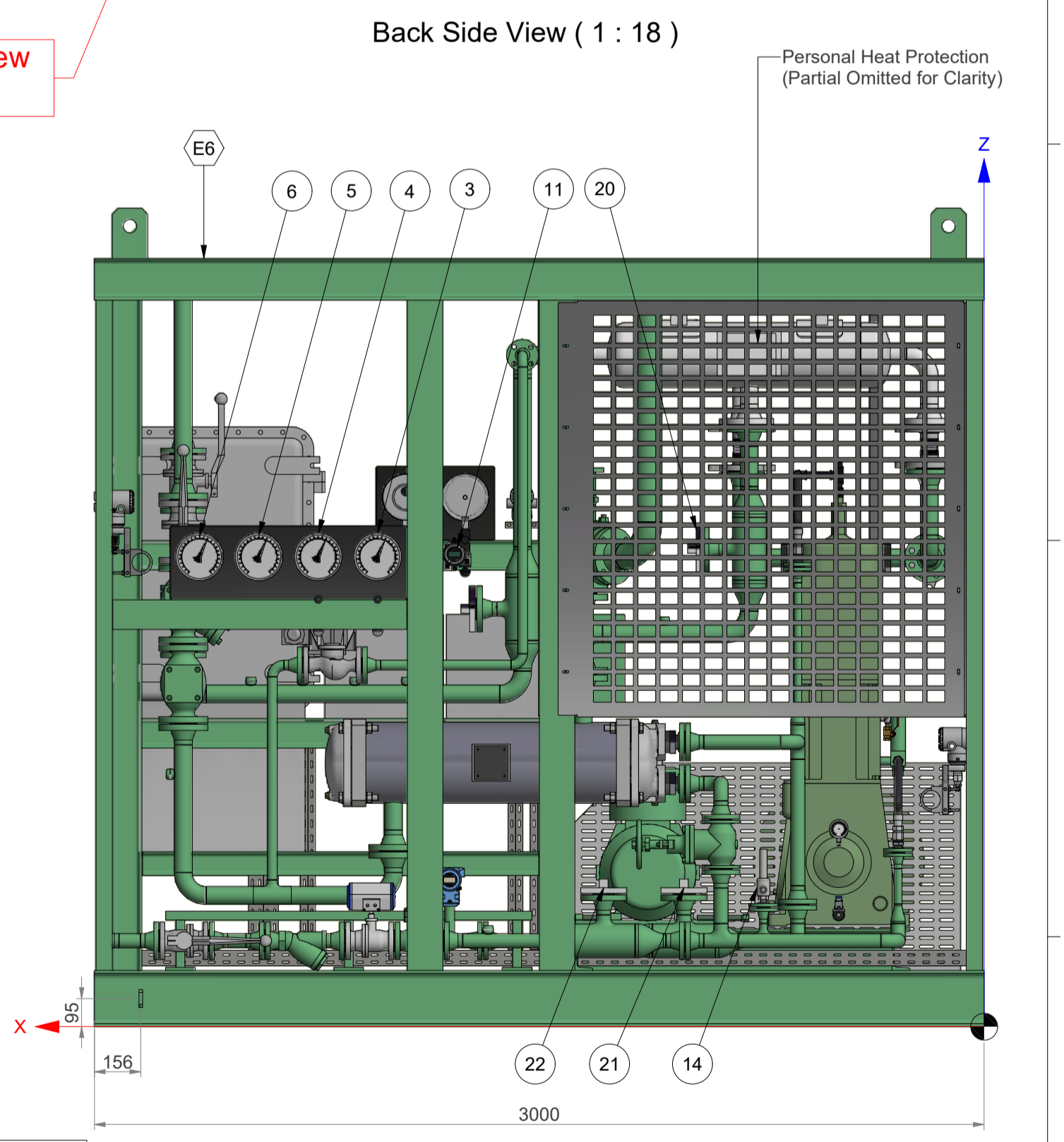
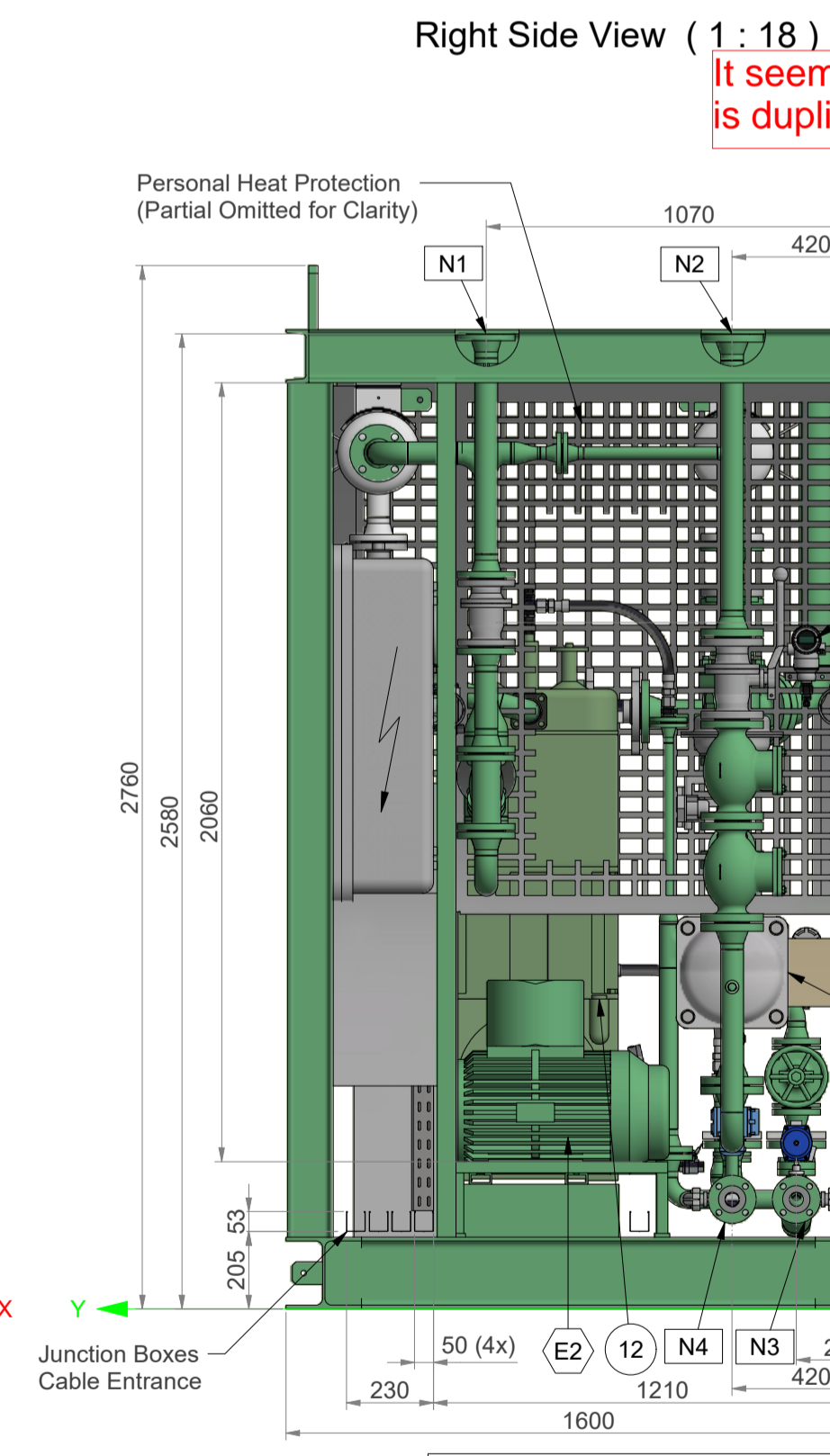
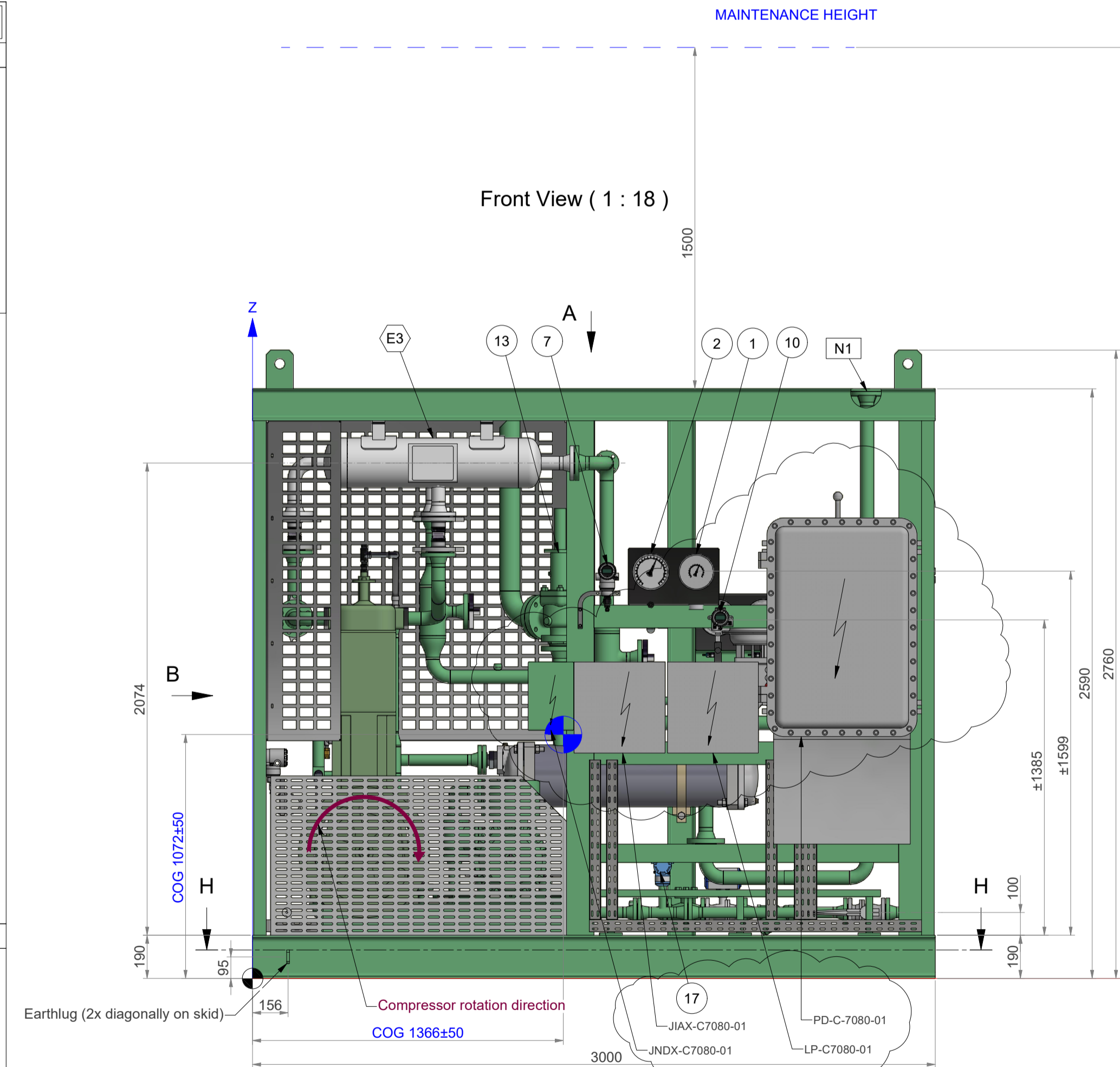
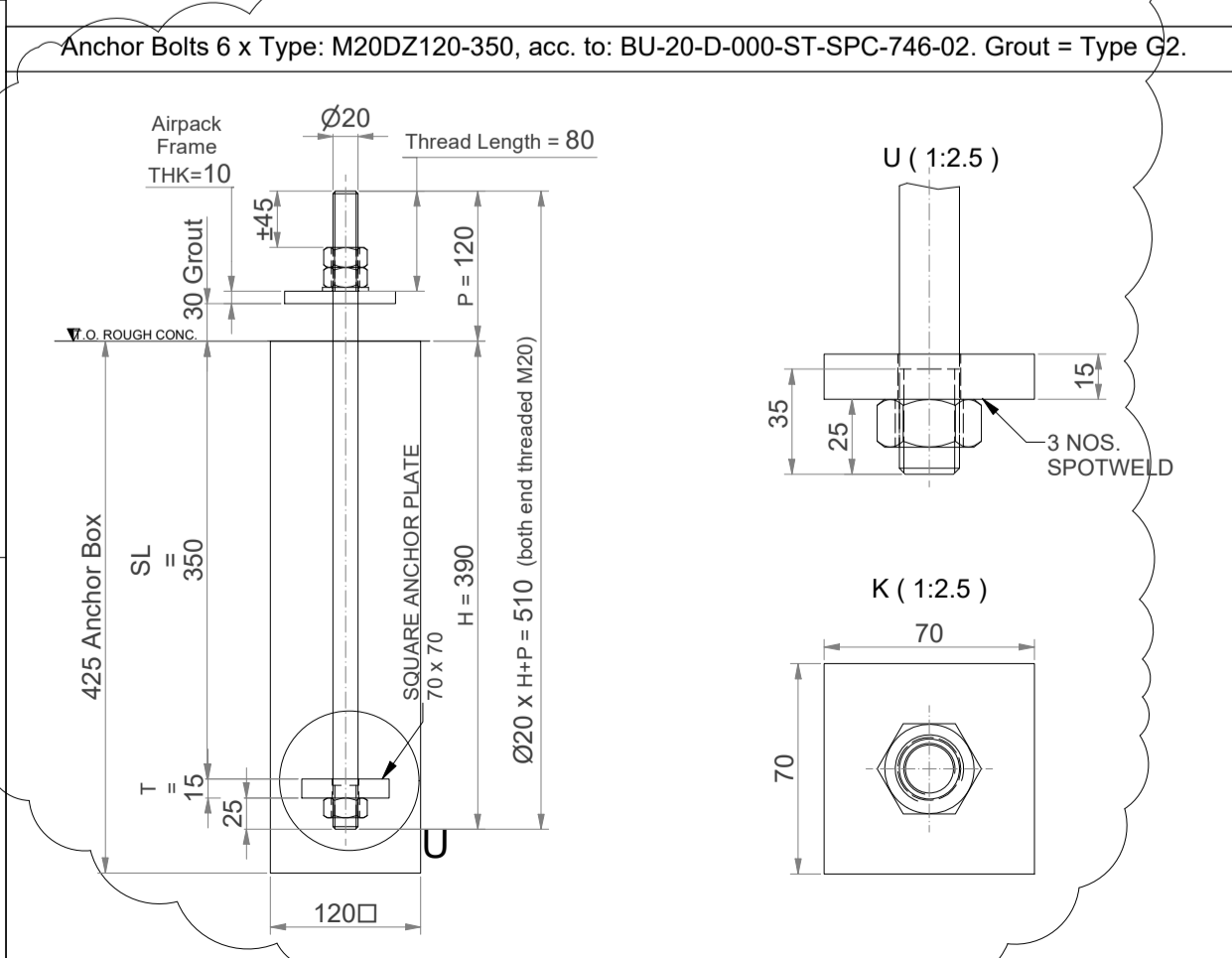
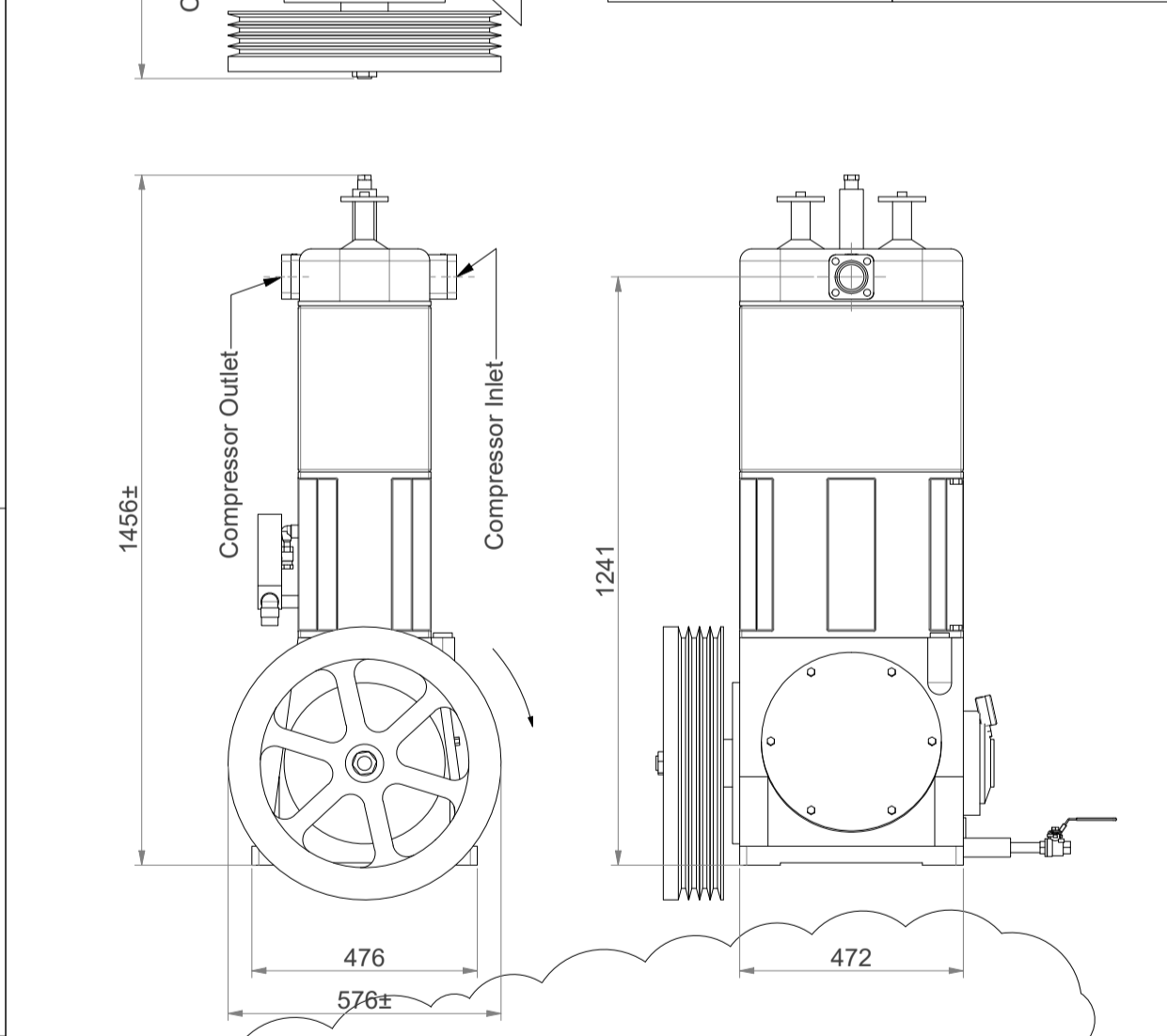
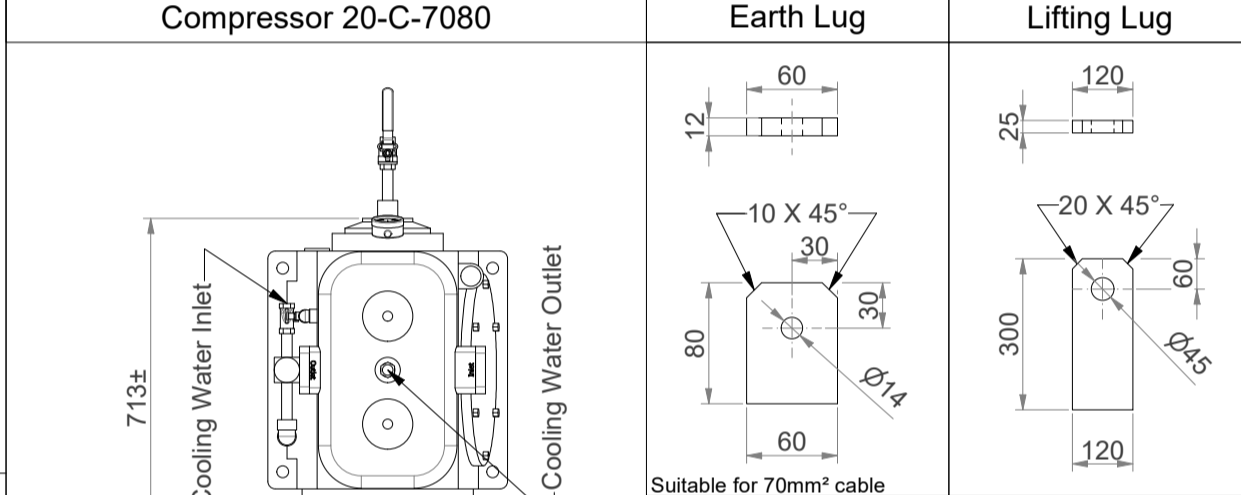
GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

  BUSHEHR PETROCHEMICAL COMPANY MEG PLANT	
Document Review	
Issue Purpose:	AFC
Result Code: AP,AN,CM,RE,NC	AN
Next Status : IFC,IFA,IFI,AFC,AB	AFC
Responsible Department	MECHANICAL
Commented Date	Dec/04/2021
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.	

06	23/11/2021	Approved for Construction	AV	KP	PW	
05	06/10/2021	For approval	AV	KP	PW	
04	12/08/2021	For approval	AV	KP	PW	
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: P



DETAILS



INSTRUMENT DATA			
Identification nr.	DEVICE	Tag Nr. Instrument Air Comp.	Tag Nr. Instrument Air Comp.
1	Diff. Pressure Gauge	PDG-71101	LG-71101
2	Pressure Gauge	PG-71102	PSV-71101
3	Pressure Gauge	PG-71105	PSV-71102
4	Pressure Gauge	PG-71106	XY-71101
5	Temperature Gauge	TG-71103	XY-71102
6	Temperature Gauge	TG-71104	FT-71101
7	Pressure Transmitter	PIT-71103	VT-71101
8	Pressure Transmitter	PIT-71107	TW-71101
9	Pressure Transmitter	PIT-71104	TW-71102
10	Temperature Transmitter	TIT-71101	TW-71103
11	Temperature Transmitter	TIT-71102	TW-71104

JUNCTION BOX DATA				
Nr.	Description	X	Y	Z
JNDX-C7080-01	JB Solenoid Valves	1311	1355	1090
JIAX-C7080-01	JB Analog	1613	1410	990
LP-C7080-01	Local Control Panel	2023	1410	990
PD-C7080-01	Power Distribution Board	2590	1551	590

EQUIPMENT DATA			
Identification nr.	Description	Maintenance Weight (Kg) ±	Tag Nr. Nitrogen Comp.
E1	Compressor	570	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
E6	Skid Construction Frame	1100	-

Compressor tag no.: 20-C-7080
Capacity: 43 Nm³/hr
Pressure: 21 bar(a)
Motor power: 15 kW

ESTIMATED OPERATIONAL WEIGHT = 3.500 kg
HEAVIEST MAINTENANCE PART = 211 kg
ESTIMATED STATIC LOAD = 34.3kN
DYNAMIC LOAD IS NEGLIGIBLE DUE TO THE SIZE OF THE BASE FRAME.
OPERATIONAL FREQUENCY = 23 Hz

NOZZLE DATA

Tie - in Point	Nozzle	Size	Rating	Type	Material	Max. allowable nozzle loads								
						FH	FA	FV	MH	MA	MV			
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	420	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

FOOTPRINT of INSTRUMENT AIR COMPRESSOR PACKAGE 20-C-7080

Client: Bushehr Petrochemical Company (BUPC)
Client Ref: MEG20-PO-BP303-021
Client Doc. No: MEG20-PO-BP303-021

Project: INSTRUMENT AIR COMPRESSOR PACKAGE 20-C-7080

Scale: 1:24

Revision History:

REV	DATE	BY	CHKD	APPV
06	23-11-2021	AV	KP	
05	5-10-2021	AV	KP	
04	11-8-2021	AV	KP	
03	28-6-2021	AV	KP	
02	11-1-2021	SdB	KP	
01	23-11-2020	SdB	KP	

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