




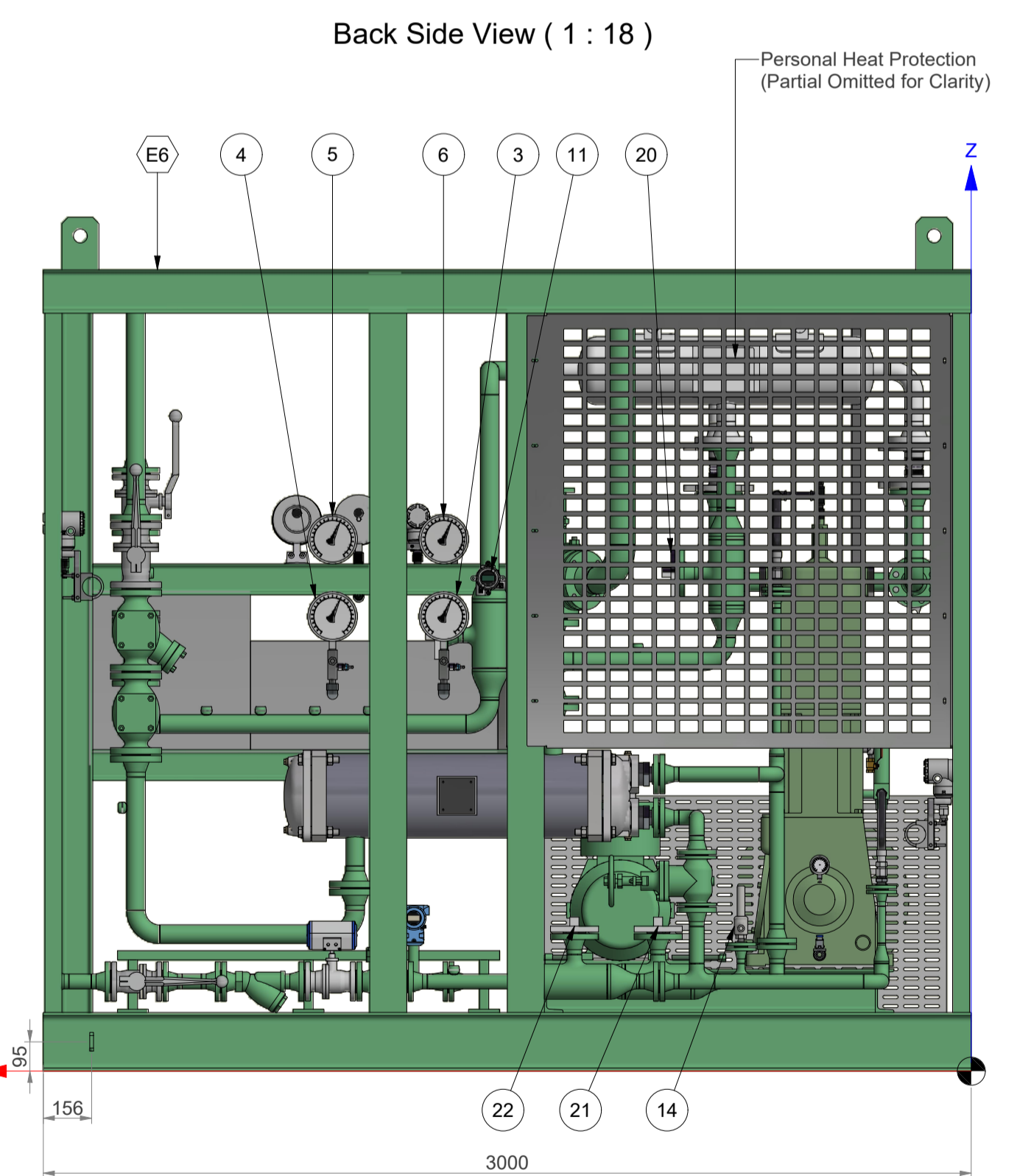
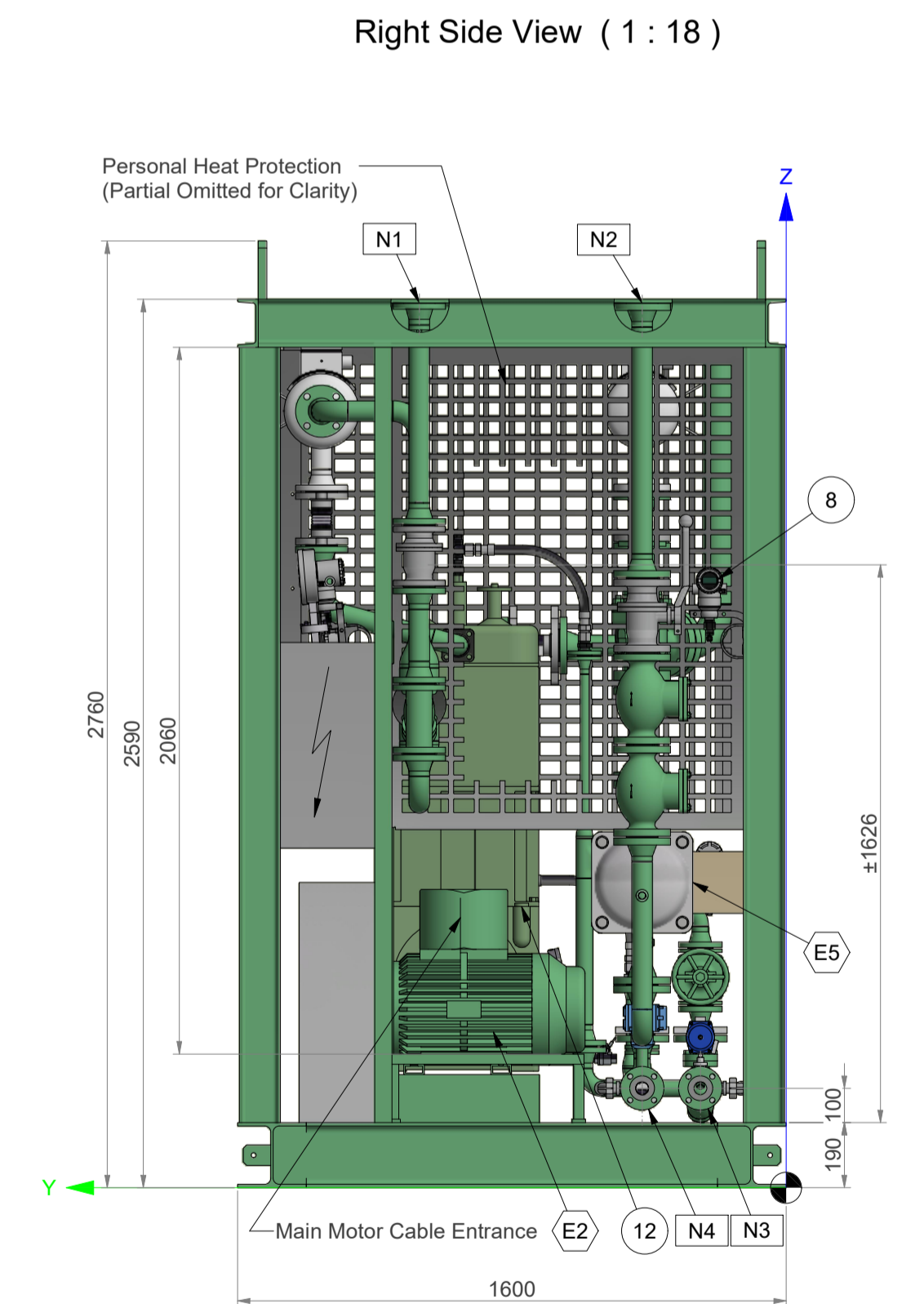
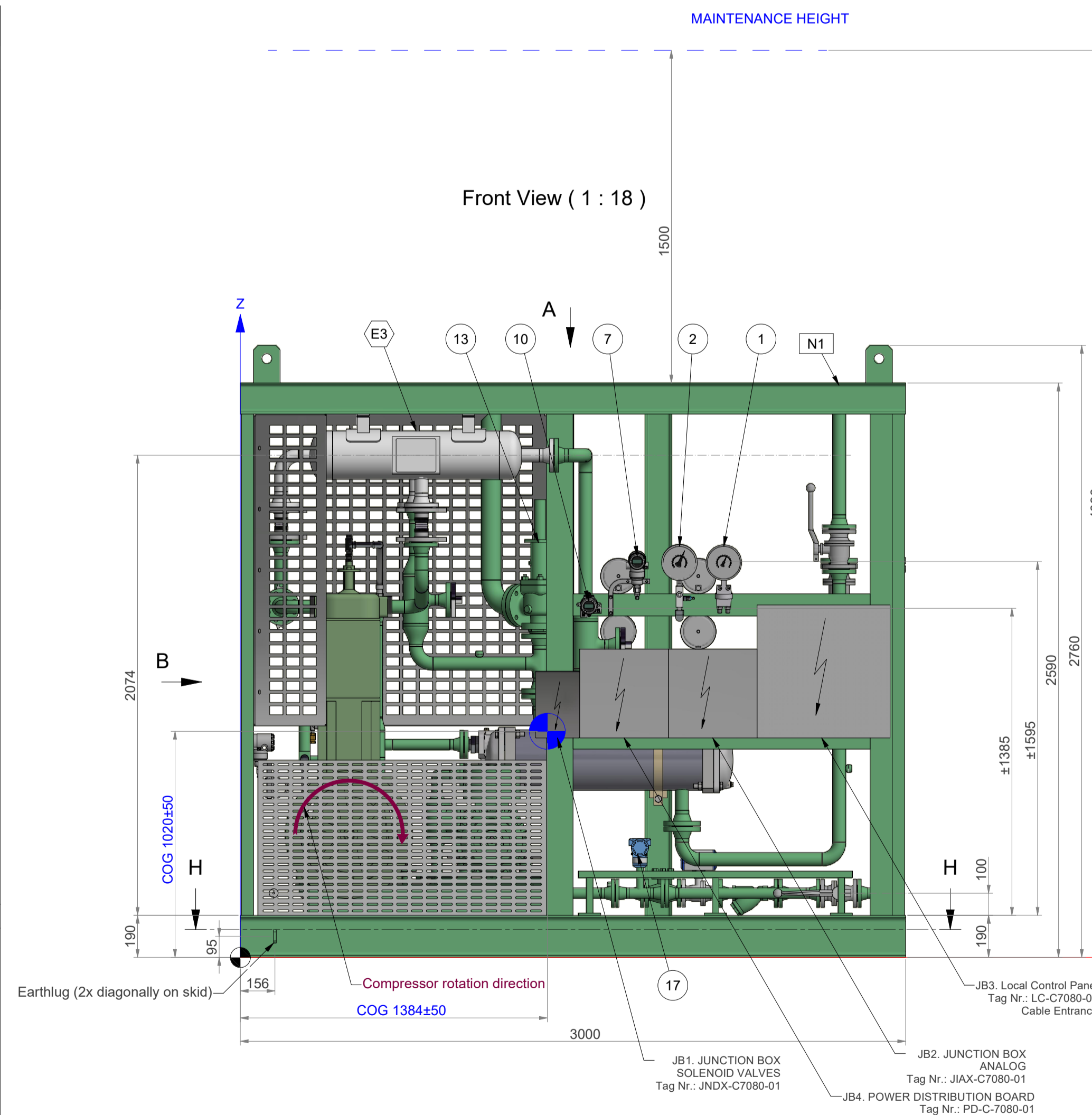
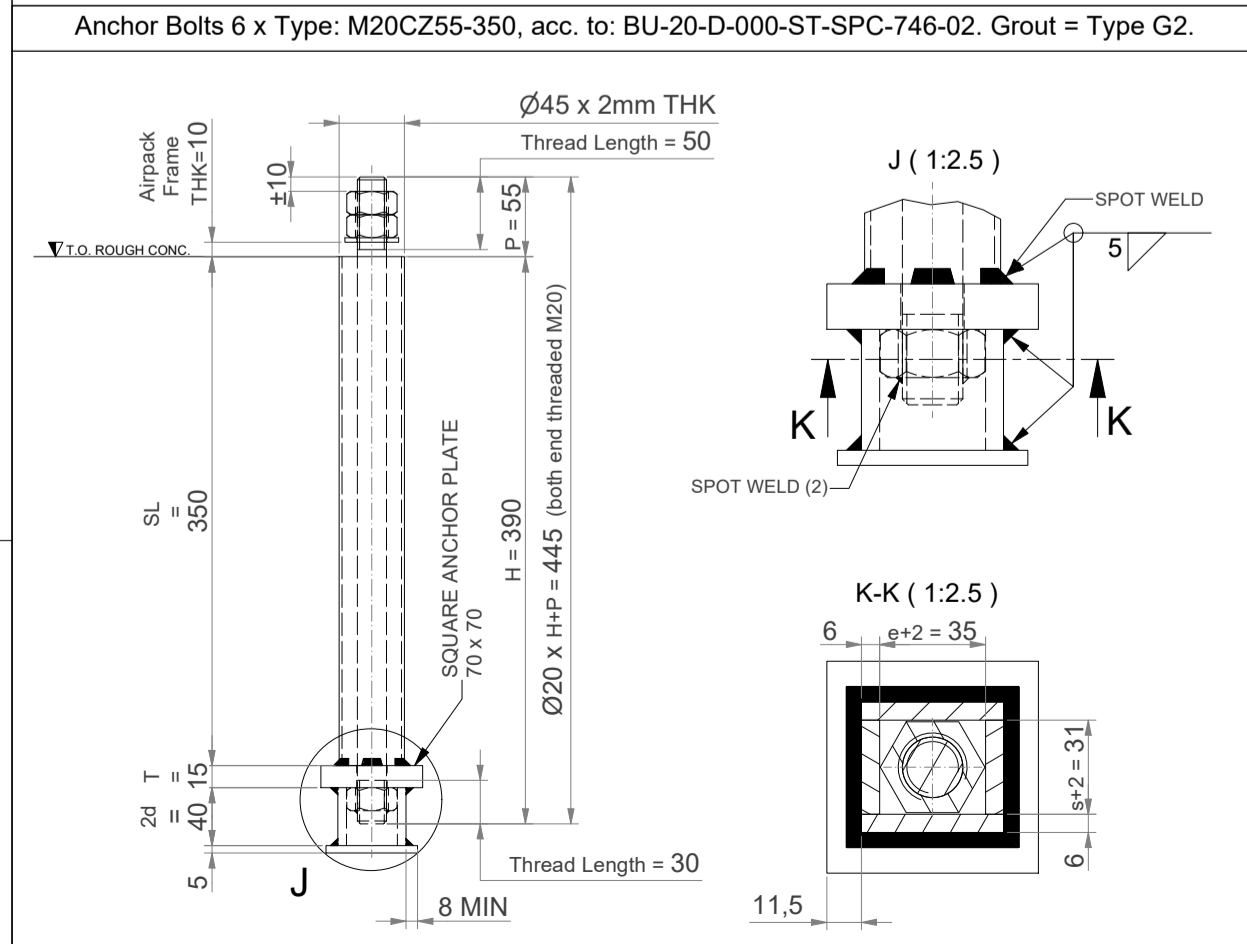
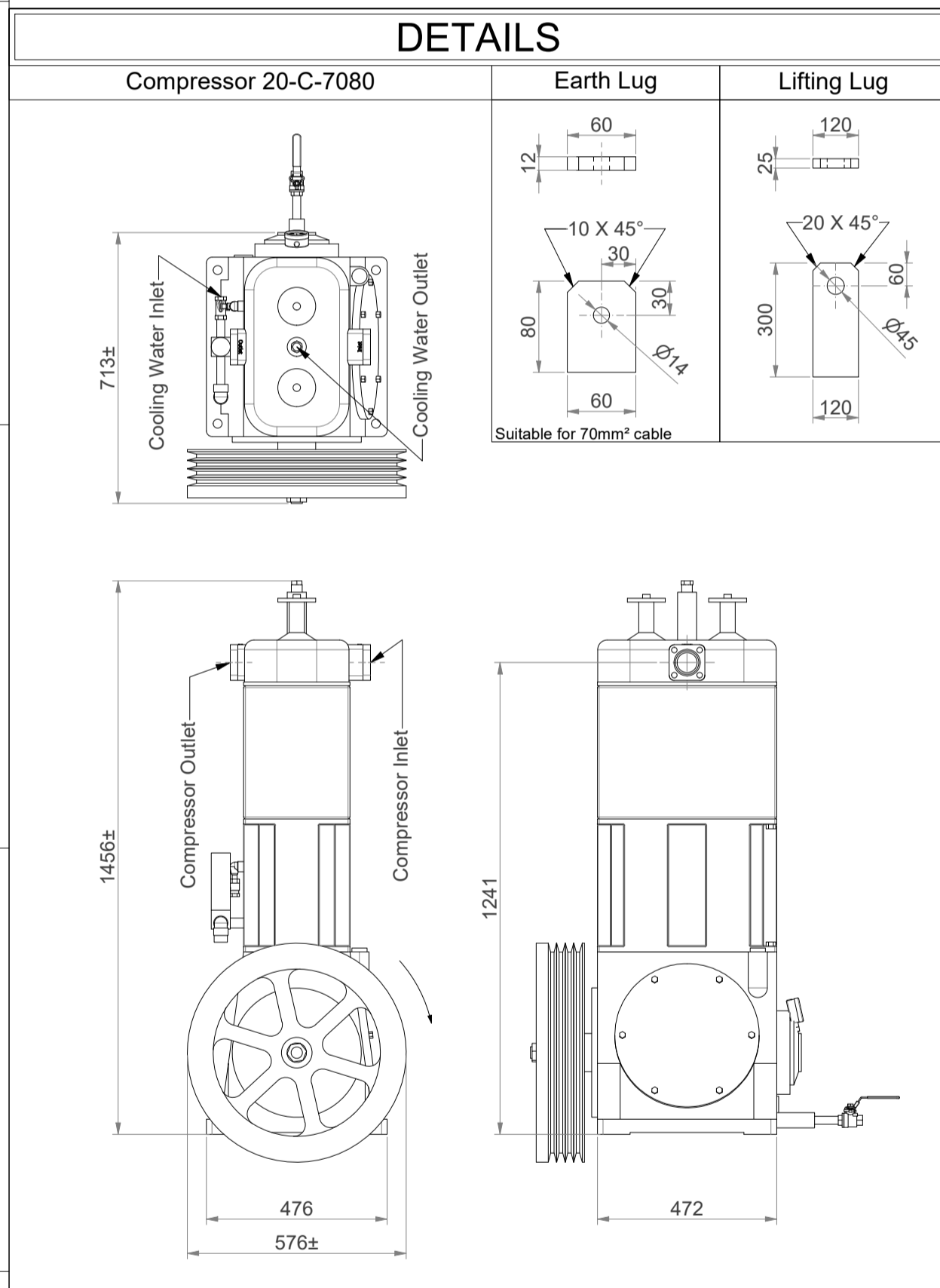
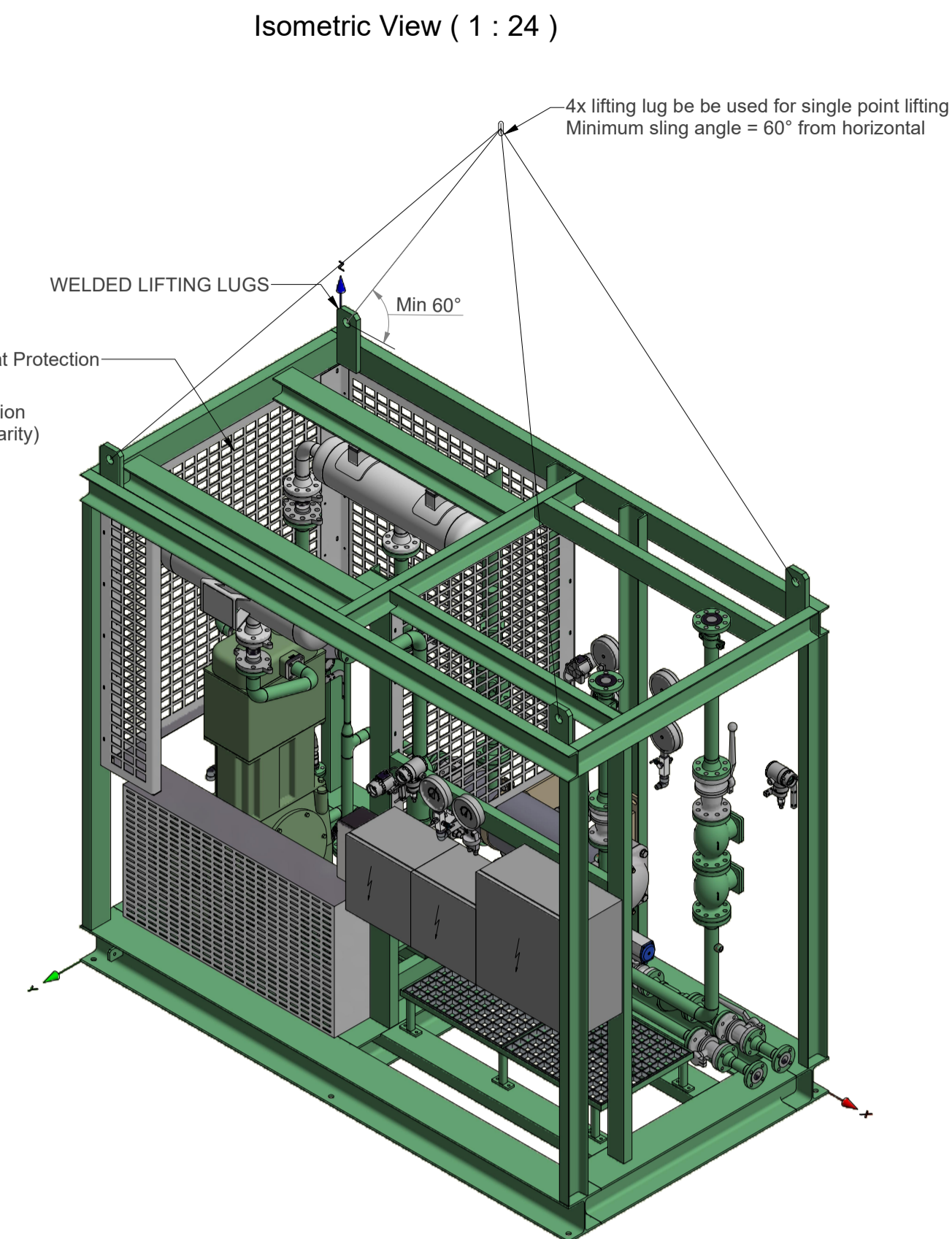
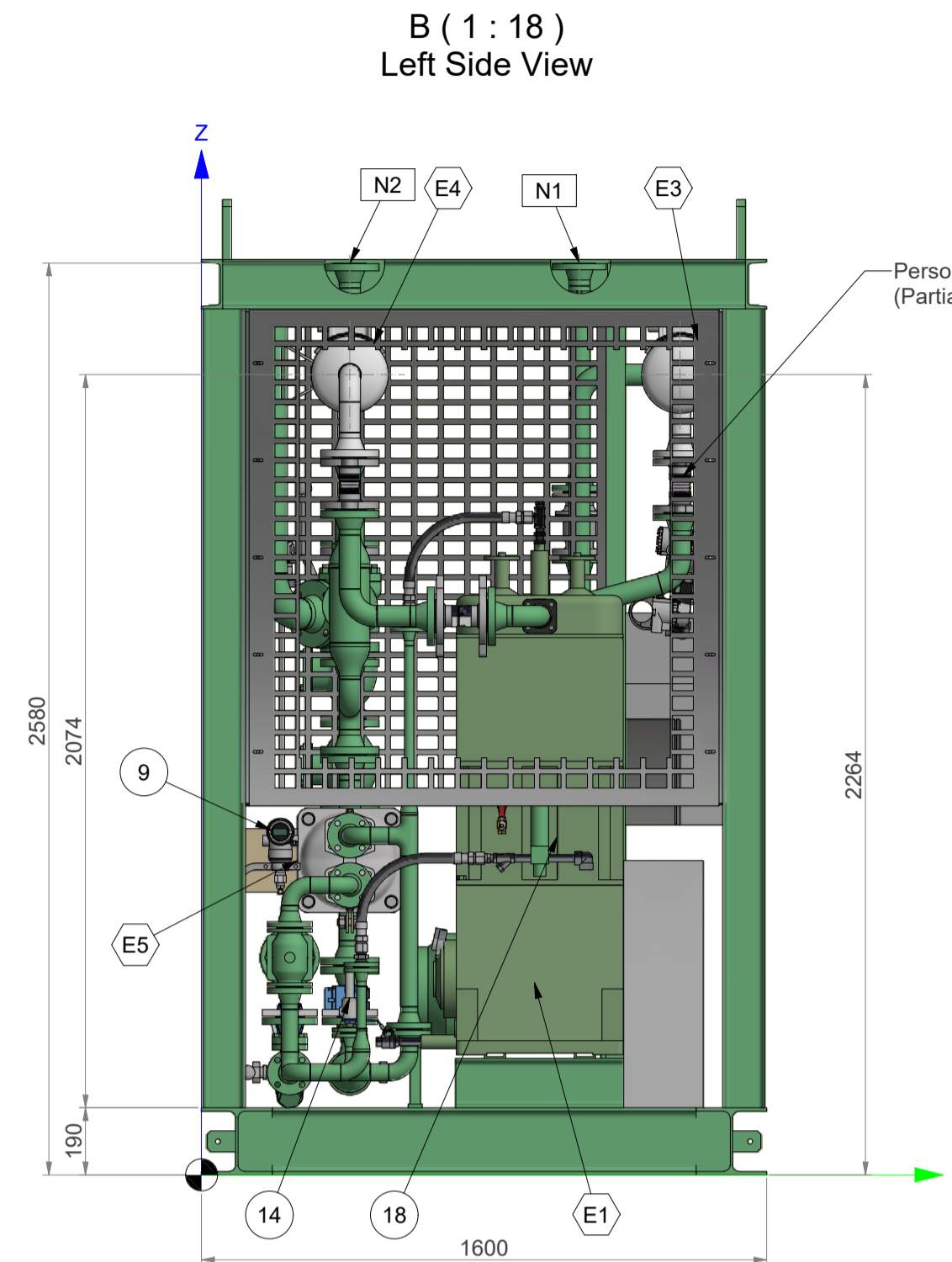
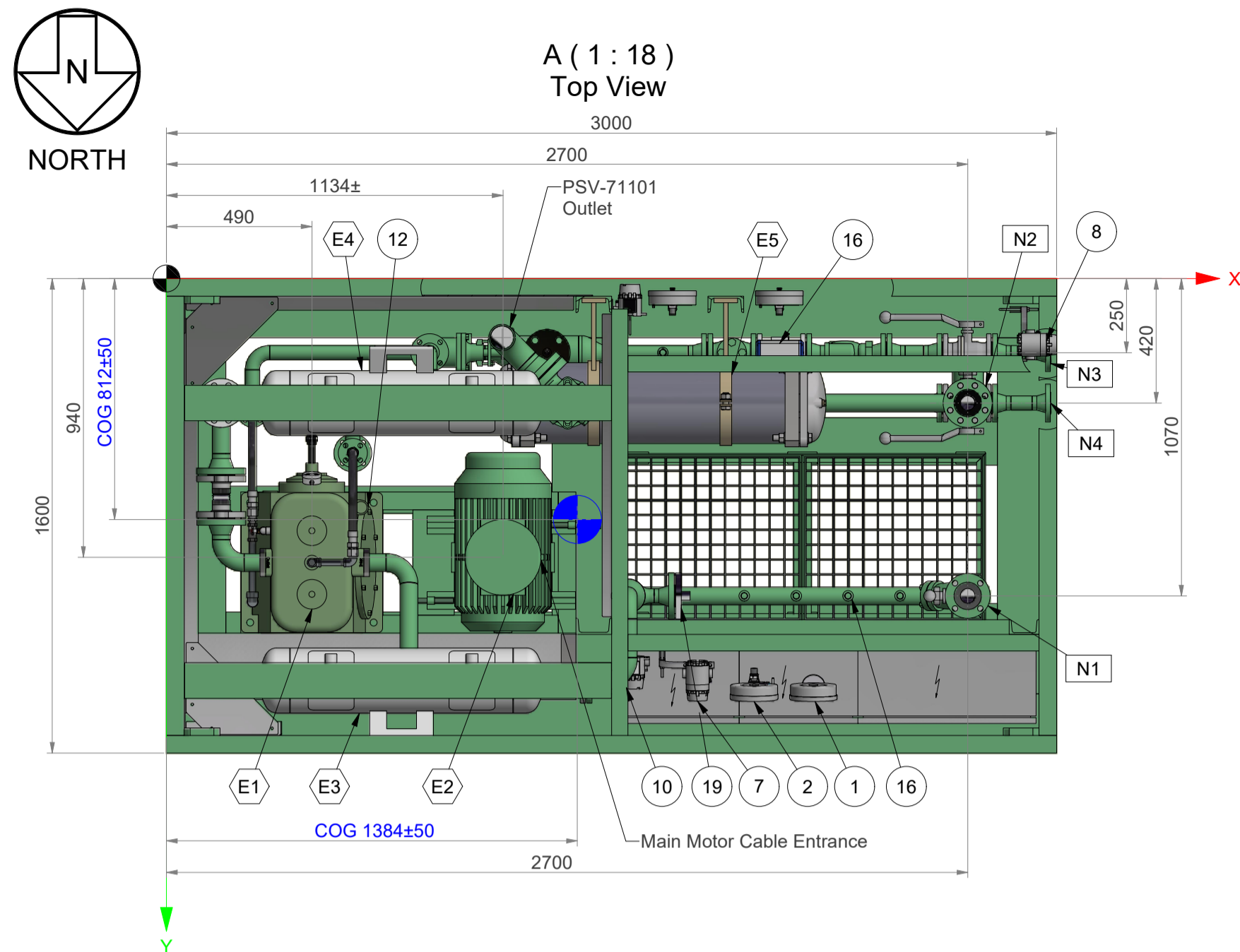
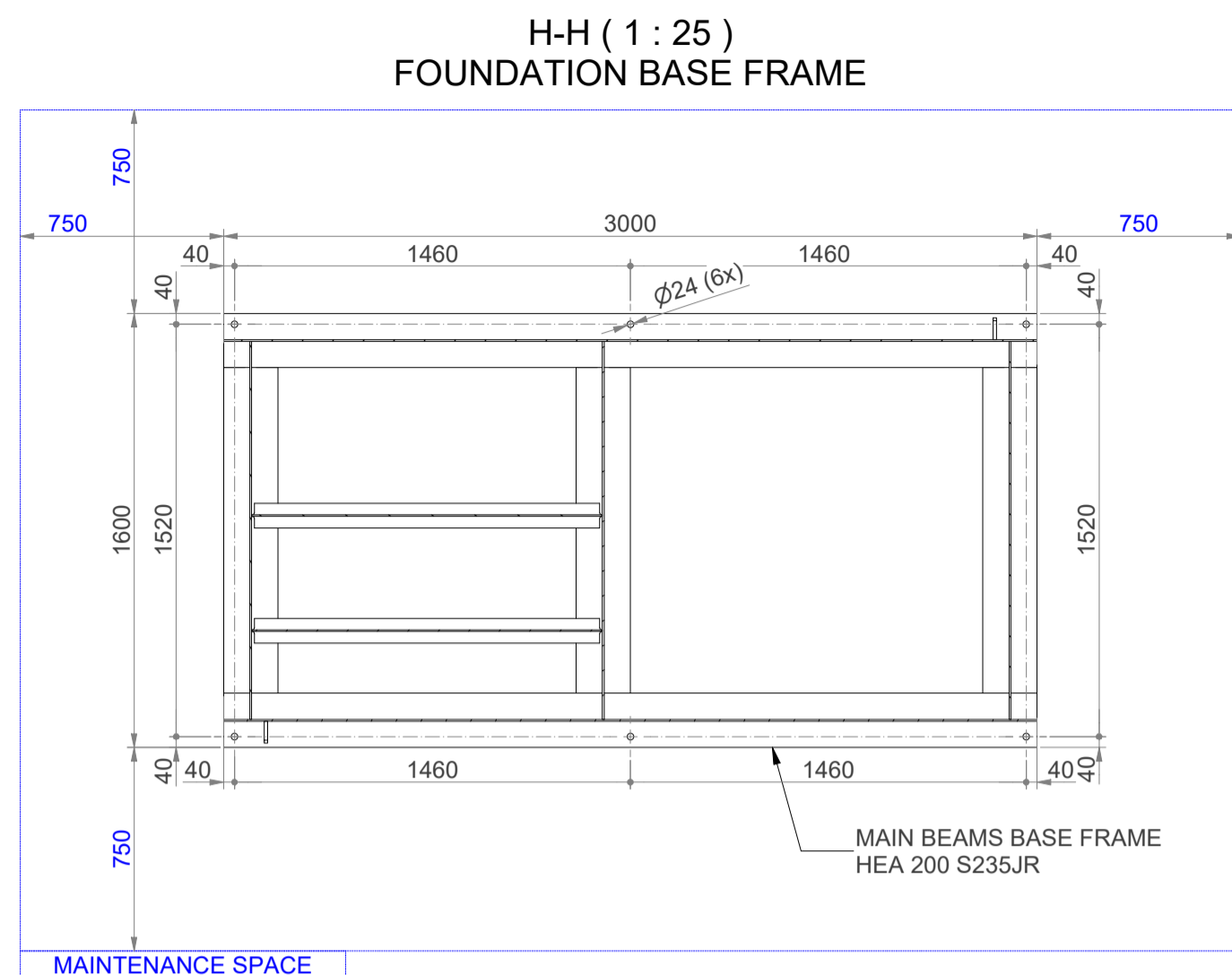


OWNER:  شرکت مست و سوی توپو ایرانیان (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT				
	GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR										
MC :									Project	Area	Phase
Owner Document Number: 17811-04B	BU	20	VD	303	ME	DWG	0076	Rev.:	Page		
								04	1 of 3		

## GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

<del>04</del>	<del>12/08/2021</del>	<del>For approval</del>	<del>AV</del>	<del>KP</del>	<del>PW</del>	
<del>03</del>	<del>30/06/2021</del>	<del>For approval</del>	<del>AV</del>	<del>KP</del>	<del>PW</del>	
<del>02</del>	<del>12/01/2021</del>	<del>For approval</del>	<del>AV</del>	<del>KP</del>	<del>PW</del>	
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: <b>1</b>	Phase: <b>P</b>





INSTRUMENT DATA				INSTRUMENT DATA			
Identification nr.	DEVICE	Tag Nr. Instrument Air Comp.	Identification nr.	DEVICE	Tag Nr. Instrument Air Comp.		
1	Diff. Pressure Gauge	PDG-71101	12	Level Gauge	LG-71101		
2	Pressure Gauge	PG-71102	13	Pressure Safety Valve	PSV-71101		
3	Pressure Gauge	PG-71105	14	Pressure Safety Valve	PSV-71102		
4	Pressure Gauge	PG-71106	15	Solenoid	XY-71101		
5	Temperature Gauge	TG-71103	16	Solenoid	XY-71102		
6	Temperature Gauge	TG-71104	17	Flow Transmitter	FT-71101		
7	Pressure Transmitter	PIT-71103	18	Vibration Transmitter	VT-71101		
8	Pressure Transmitter	PIT-71107	19	Thermowell	TW-71101		
9	Pressure Transmitter	PIT-71104	20	Thermowell	TW-71102		
10	Temperature Transmitter	TIT-71101	21	Thermowell	TW-71103		
11	Temperature Transmitter	TIT-71102	22	Thermowell	TW-71104		

EQUIPMENT DATA									
Identification nr.	Description	Maintenance 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						
E6	Skid Construction Frame	1100							

NOZZLE DATA														
Tie - in Point	Nozzle	Size	Rating	Type	Material	Max. allowable nozzle loads								
						Force (kN)	FA	FV	Moment (kNm)	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	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

ESTIMATED OPERATIONAL WEIGHT = 3,000 kg  
 HEAVIEST MAINTENANCE PART = 211 kg  
 ESTIMATED STATIC LOAD = 29.4kN  
 DYNAMIC LOAD IS NEGLIGIBLE DUE TO THE SIZE OF THE BASE FRAME.  
 OPERATIONAL FREQUENCY = 23 Hz

**FOOTPRINT of INSTRUMENT AIR COMPRESSOR PACKAGE 20-C-7080**

Client Ref.	Client	Client Doc. No.	Project	Scale	Revision	Rev. No.	Date	Drawn by	Checked by	Plant Location	Airpack Ref.	Sheet 1 of 1
	Bushehr Petrochemical Company (BUPC)	MEG20-PO-BP303-021	COMPRESSOR PACKAGE 20-C-7080	1:25	04	11-8-2021	11-8-2021	AV	KP	IRAN Onshore	17811-COM	17811-Footprint-Air Comp-1