







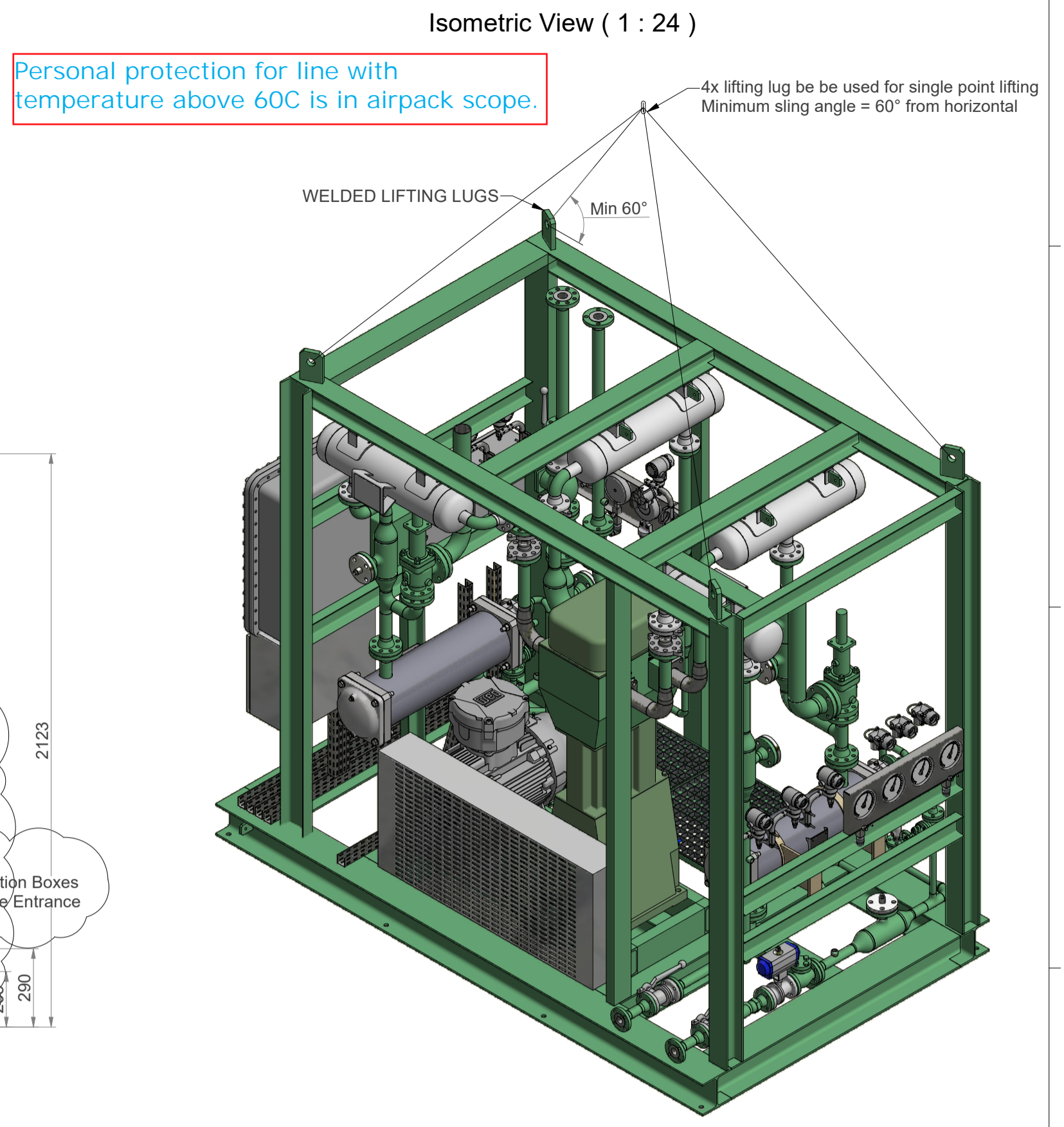
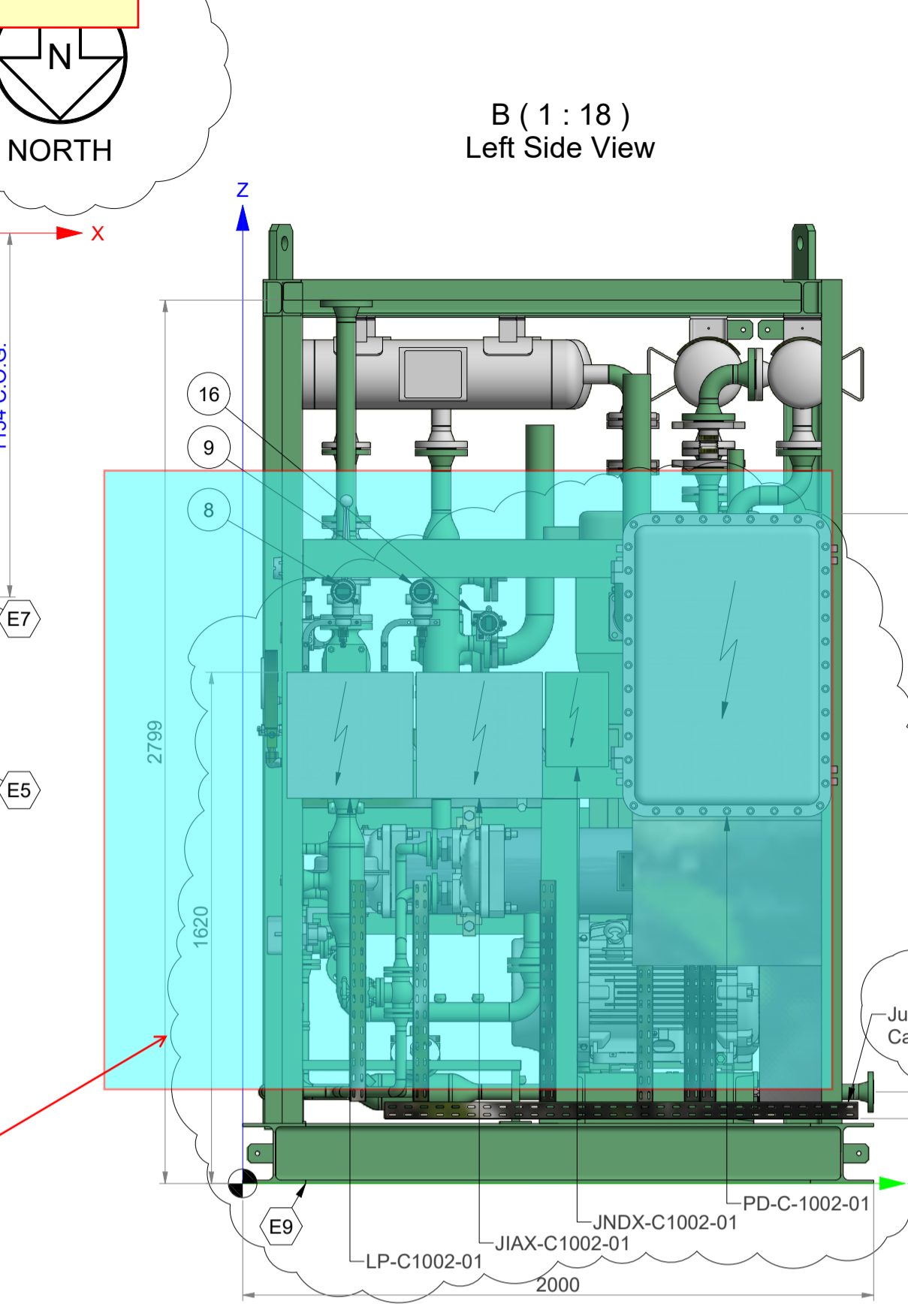
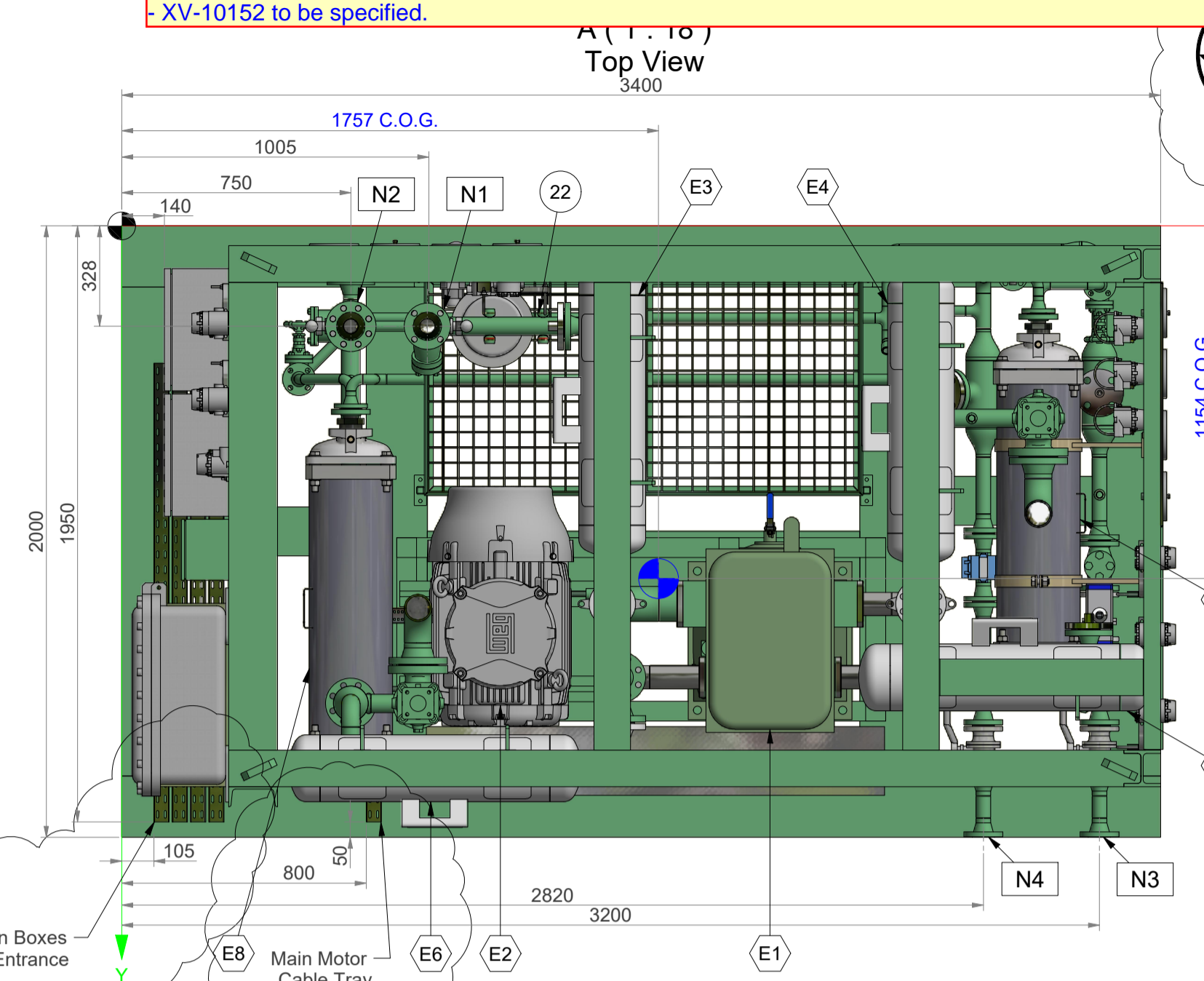
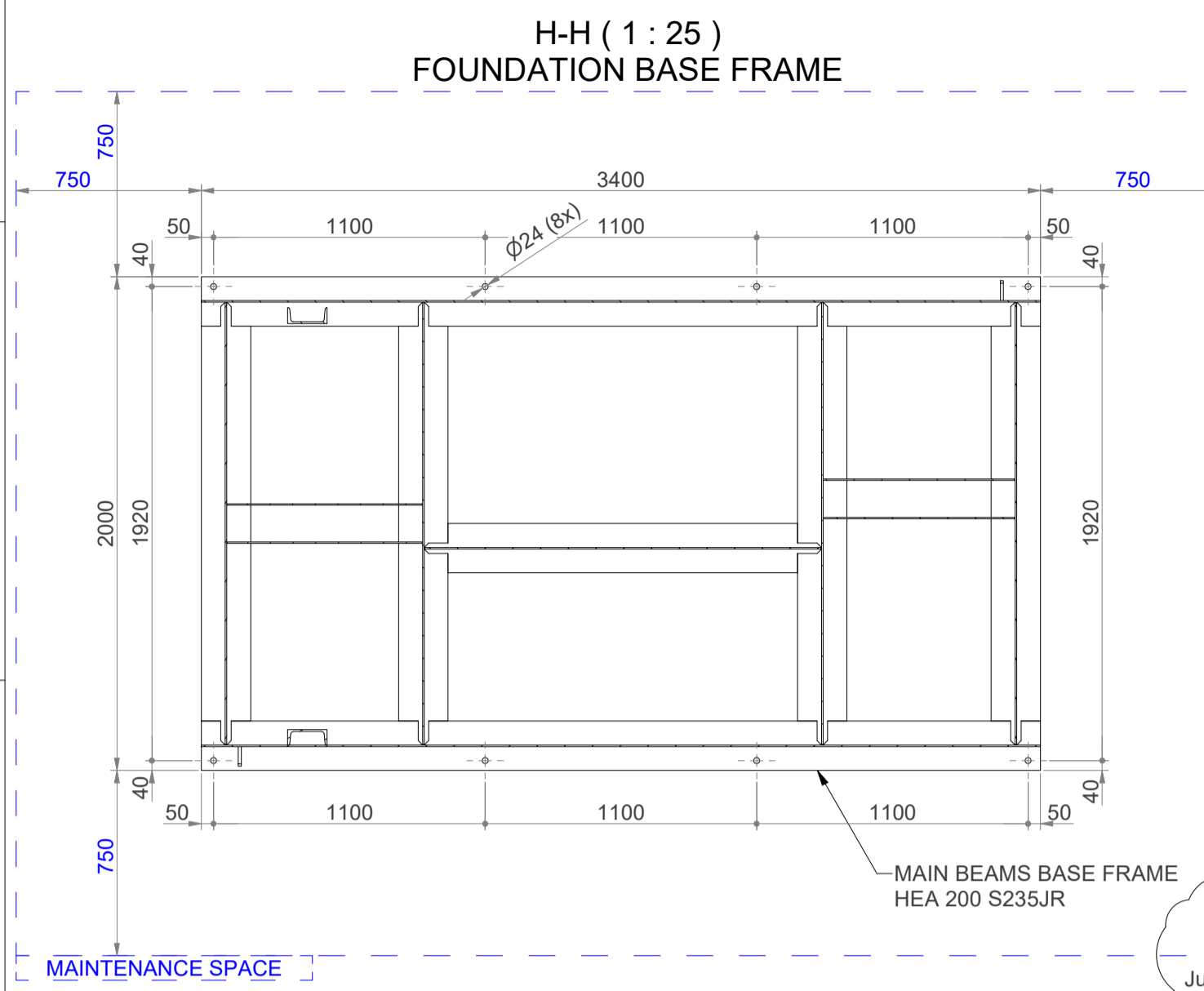
OWNER:  شرکت سست و سویی توهمه ایرانیان (سهامی عامه)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR:  Chagalesh-Enzerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	
	GENERAL ARRANGEMENT DRAWING FOR NITROGEN GAS BOOSTER								
MC :  شرکت سست و سویی توهمه ایرانیان (سهامی عامه)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-04A	BU	20	VD	303	ME	DWG	0023	Rev.:	Page
								02	1 of 3

GENERAL ARRANGEMENT DRAWING FOR NITROGEN GAS BOOSTER

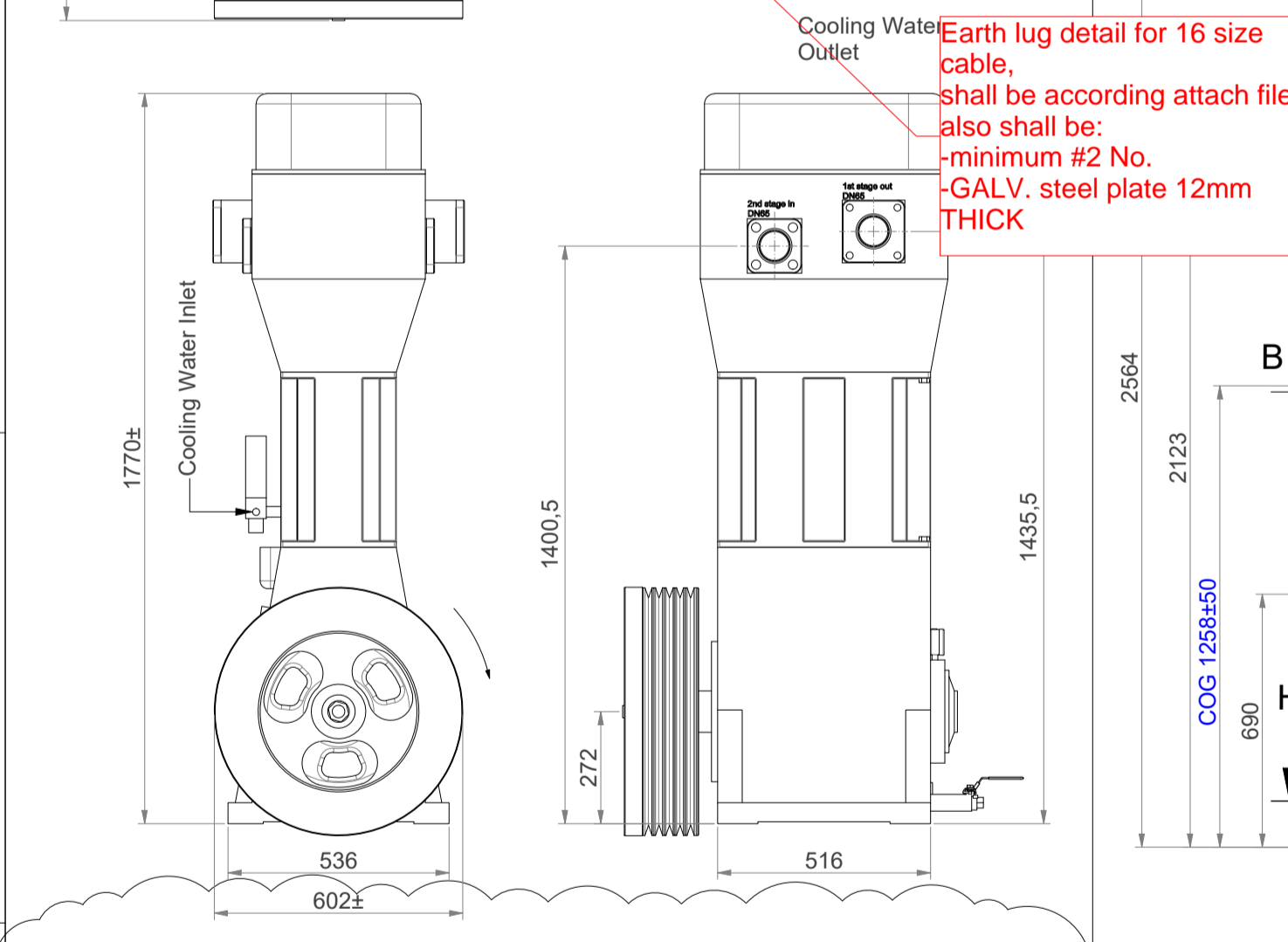
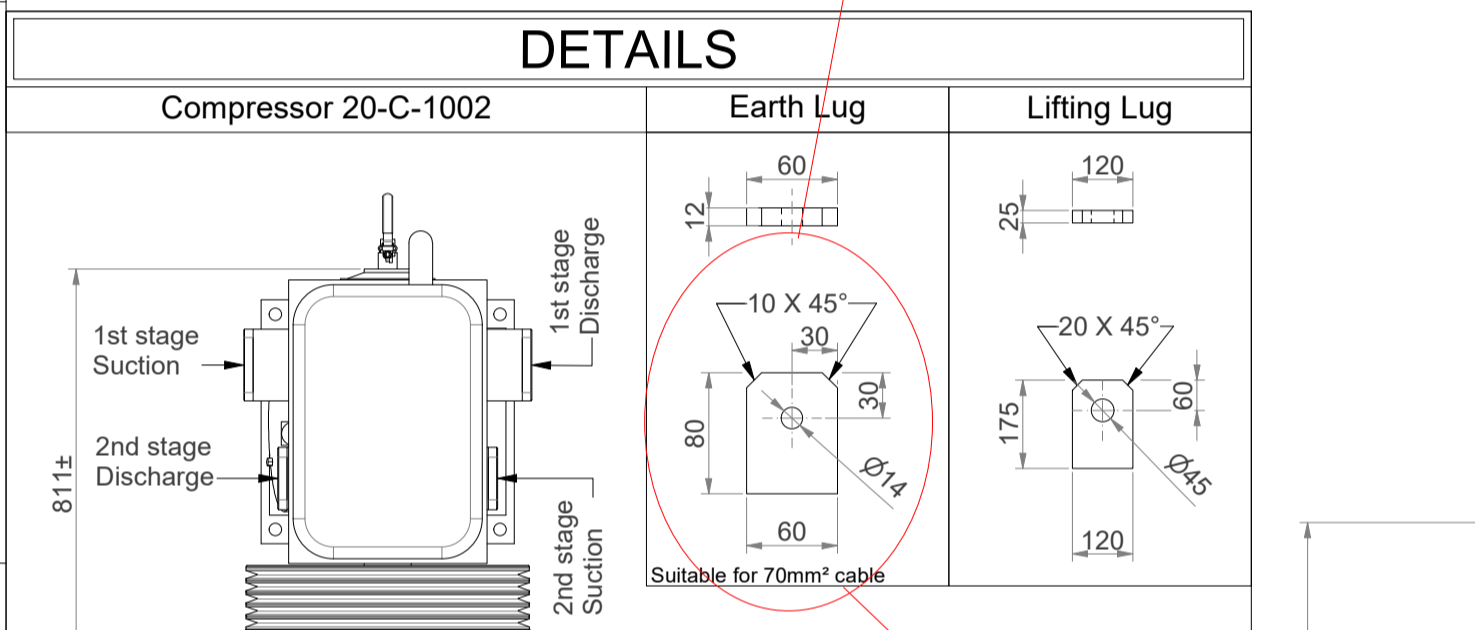
 شرکت سست و سویی توهمه ایرانیان (سهامی عامه)	 Chagalesh-Enzerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	Nov/14/2021	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

02	04/11/2021	For approval	AV	KP	PW	
03	15/09/2021	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

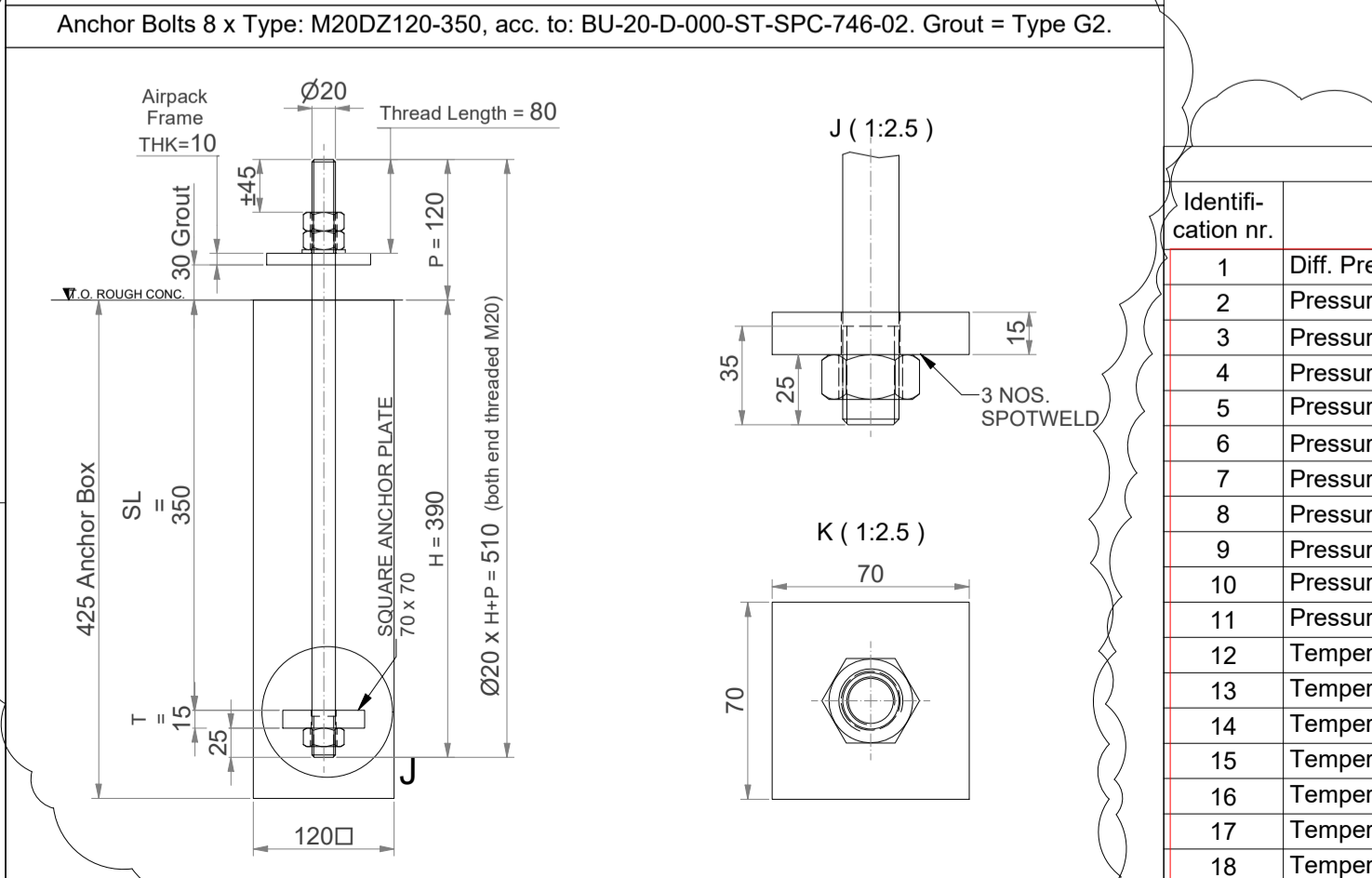
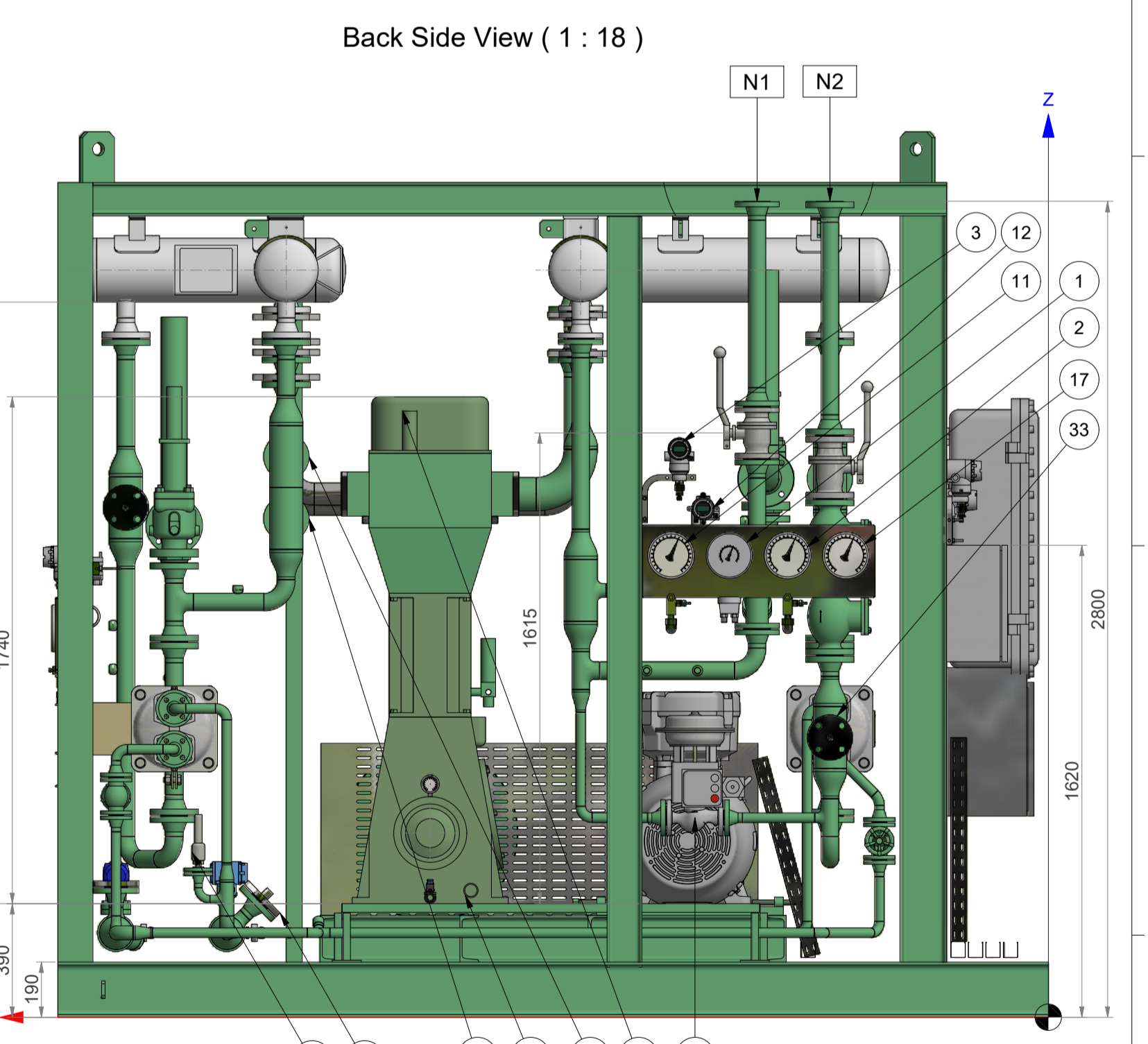
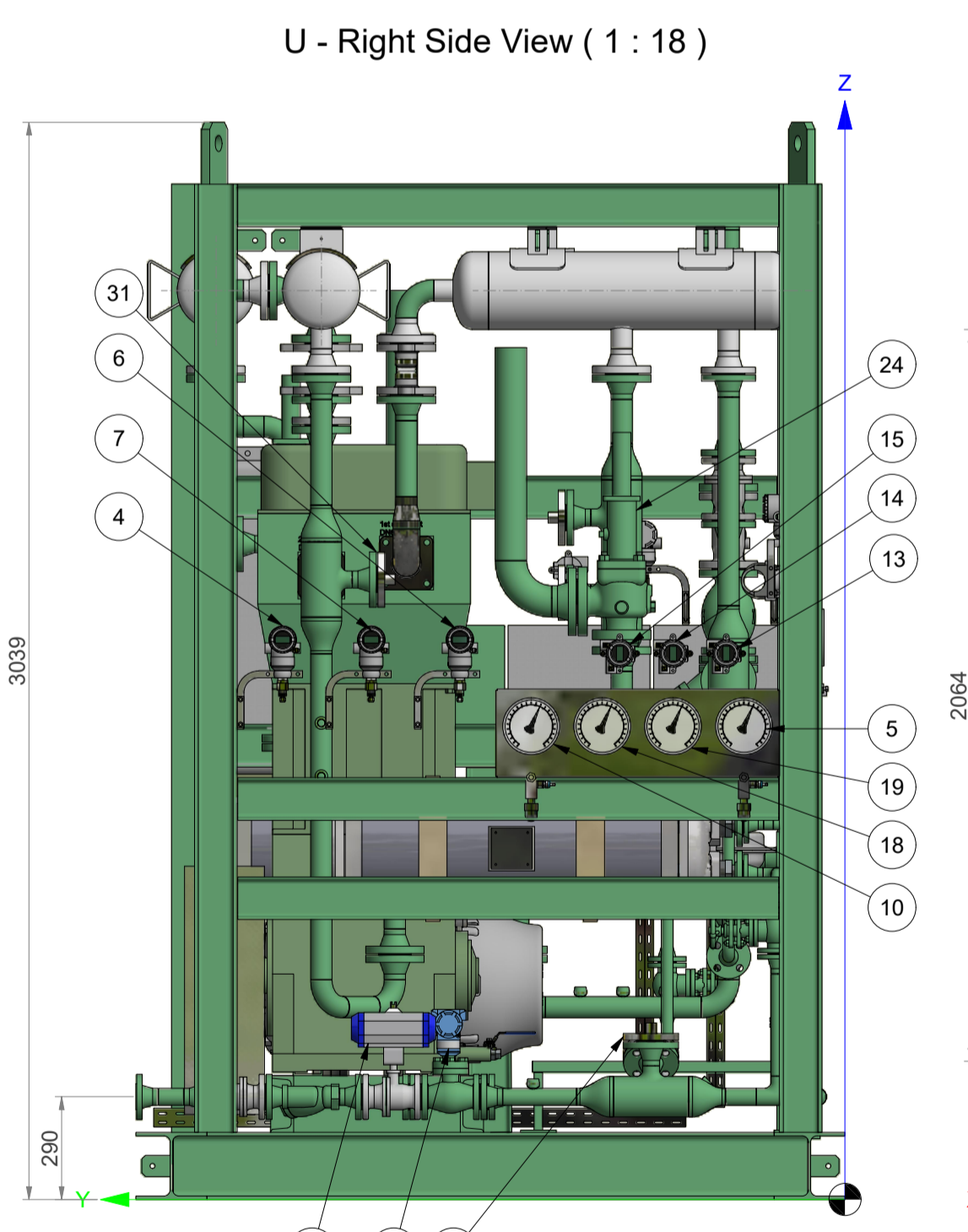
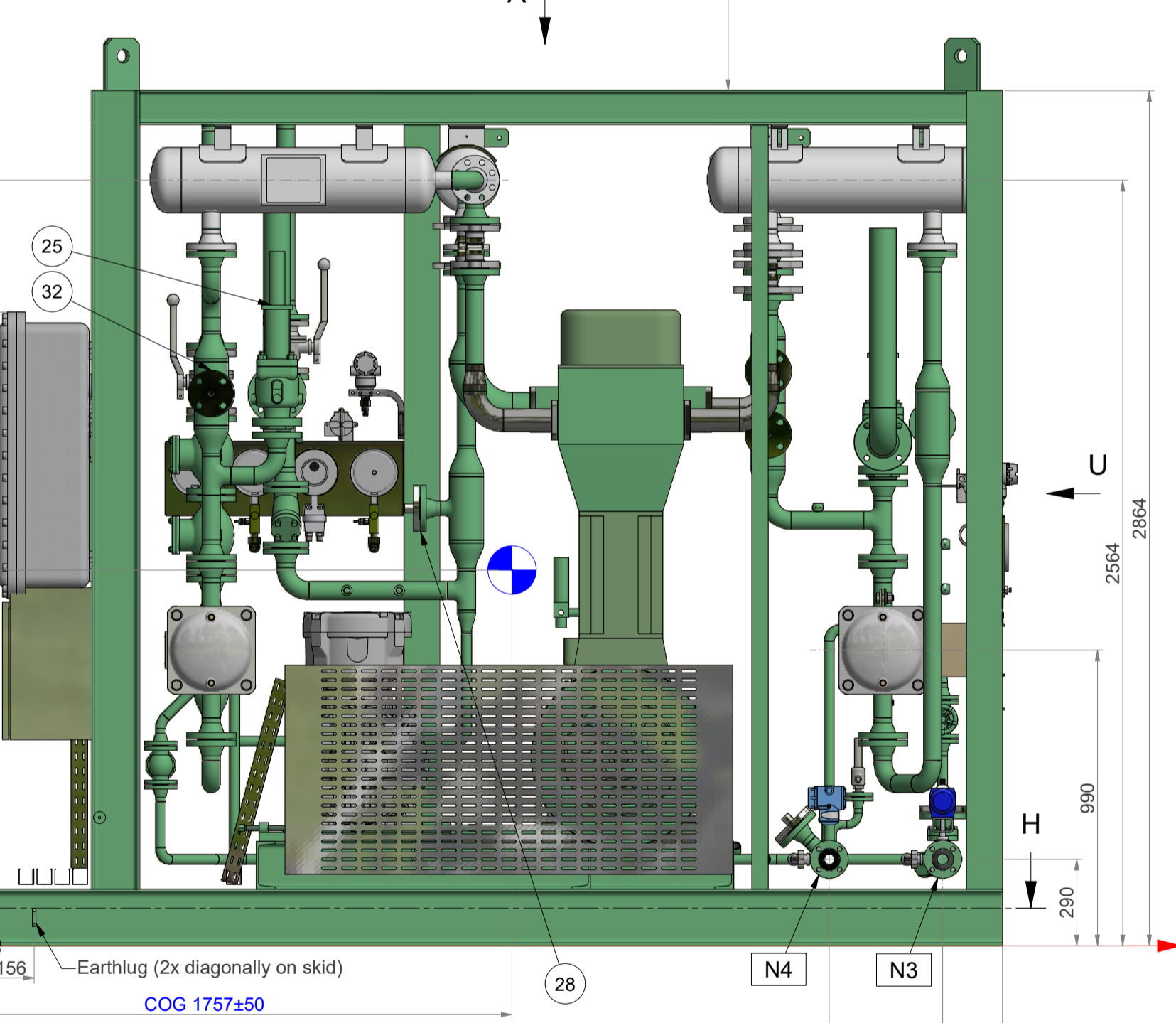
Some tags have been added that is not in nitrogen P&ID rev. 01, so this document can not be checked till P&ID and wiring diagram issued.
 XV-10152 to be specified.



This detail not compatible with wire size 16



Important comment:
 Any wires carrying an AC signal of 400V are a possible source of electromagnetic interference, and instrument signal cables and JBS shall be installed a safe distance from them.
 Please modify JB and cable tray arrangement accordingly (Need to be discussed in meeting, if necessary)



Identification nr.	DEVICE	Tag Nr. Instrument Air Comp.	Identification nr.	DEVICE	Tag Nr. Instrument Air Comp.
1	Diff. Pressure Gauge	PDG-10151	19	Temperature Gauge	TG-10158
2	Pressure Gauge	PG-10152	20	Flow Transmitter	FT-10151
3	Pressure Transmitter	PIT-10153	21	Vibration Transmitter	VT-10151
4	Pressure Transmitter	PIT-10154	22	Solenoid	XY-10151
5	Pressure Gauge	PG-10155	23	Solenoid	XY-10152
6	Pressure Transmitter	PIT-10156	24	Pressure Safety Valve	PSV-10151
7	Pressure Transmitter	PIT-10157	25	Pressure Safety Valve	PSV-10152
8	Pressure Transmitter	PIT-10158	26	Pressure Safety Valve	PSV-10153
9	Pressure Transmitter	PIT-10159	27	Pressure Control Valve	PV-10151
10	Pressure Gauge	PG-10160	28	Thermowell	TW-10151
11	Pressure Gauge	PG-10161	29	Thermowell	TW-10152
12	Temperature Transmitter	TIT-10151	30	Thermowell	TW-10153
13	Temperature Transmitter	TIT-10152	31	Thermowell	TW-10154
14	Temperature Transmitter	TIT-10153	32	Thermowell	TW-10155
15	Temperature Transmitter	TIT-10154	33	Thermowell	TW-10156
16	Temperature Transmitter	TIT-10155	34	Thermowell	TW-10157
17	Temperature Gauge	TG-10156	35	Thermowell	TW-10158
18	Temperature Gauge	TG-10157	36	Level Gauge	LG-10151

Identification nr.	Description	Maintenance Weight (Kg) ±	Tag Nr. Nitrogen Comp.
E1	Compressor	1300	20-C-1002
E2	Main Motor	561	20-C-1002-M
E3	Pulsation Damper Inlet 1st	62	20-DC-1002-1
E4	Pulsation Damper Outlet 1st	63	20-DC-1002-2
E5	Pulsation Damper Inlet 2nd	62	20-DC-1002-3
E6	Pulsation Damper Outlet 2nd	63	20-DC-1002-4
E7	Inter Cooler	-	20-AEC-1002-1
E8	After Cooler	-	20-AEC-1002-2
E9	Skid Construction Frame	1400	-

Description	X	Y	Z
JNDX-C1002-01	140	1060	1620
JIAX-C1002-01	140	750	1620
LP-C1002-01	140	340	1620
PD-C-1002-01	35	1535	2123

Size	Rating	Type	Material	Mix. allowable nozzle loads				Nozzle coordinates (mm)						
				FH	FA	FV	MH	MA	MV	X	Y	Z		
Nitrogen Inlet	N1	2" ANSI/ASME Sch80	150F	WN-RF	A/SA105N	2	2	2	0.9	2	0.9	1005	328	2800
Nitrogen Outlet	N2	2" ANSI/ASME Sch80	300F	WN-RF	A/SA105N	2	2	2	0.9	2	0.9	750	328	2800
Cooling Water Inlet	N3	1 1/2" ANSI/ASME Sch80	150F	WN-RF	A/SA105N	1.5	1.5	1.5	0.5	1.5	0.5	3200	2000	290
Cooling Water Outlet	N4	1 1/2" ANSI/ASME Sch80	150F	WN-RF	A/SA105N	1.5	1.5	1.5	0.5	1.5	0.5	2820	2000	290

ESTIMATED OPERATIONAL WEIGHT = 5200 Kg
 HEAVIEST MAINTENANCE PART = 561 Kg
 ESTIMATED STATIC LOAD = 51 kN
 DYNAMIC LOAD IS NEGLIGIBLE DUE TO THE SIZE OF THE BASE FRAME.
 OPERATIONAL FREQUENCY = 13 Hz

NOZZLE COORDINATES

Client: Bushehr Petrochemical Company (BUPC)
 Client Ref: MEG20-PO-BP303-021
 P&ID Rev. No.: B
 Date: 4-11-2021
 Drawn by: SdB
 Checked by: KP
 Plant Location: IRAN Onshore
 Scale: --
 Airpack Ref.: 17811-COM
 Drawing No.: 17811-Footprint-N2 Comp-1 Sheet 1 of 1

None of the tag numbers is found in PID. New revision of P&ID shall be submitted before issuing next revision of GA drawing.

Discrepancy with PID. in PID 2"