







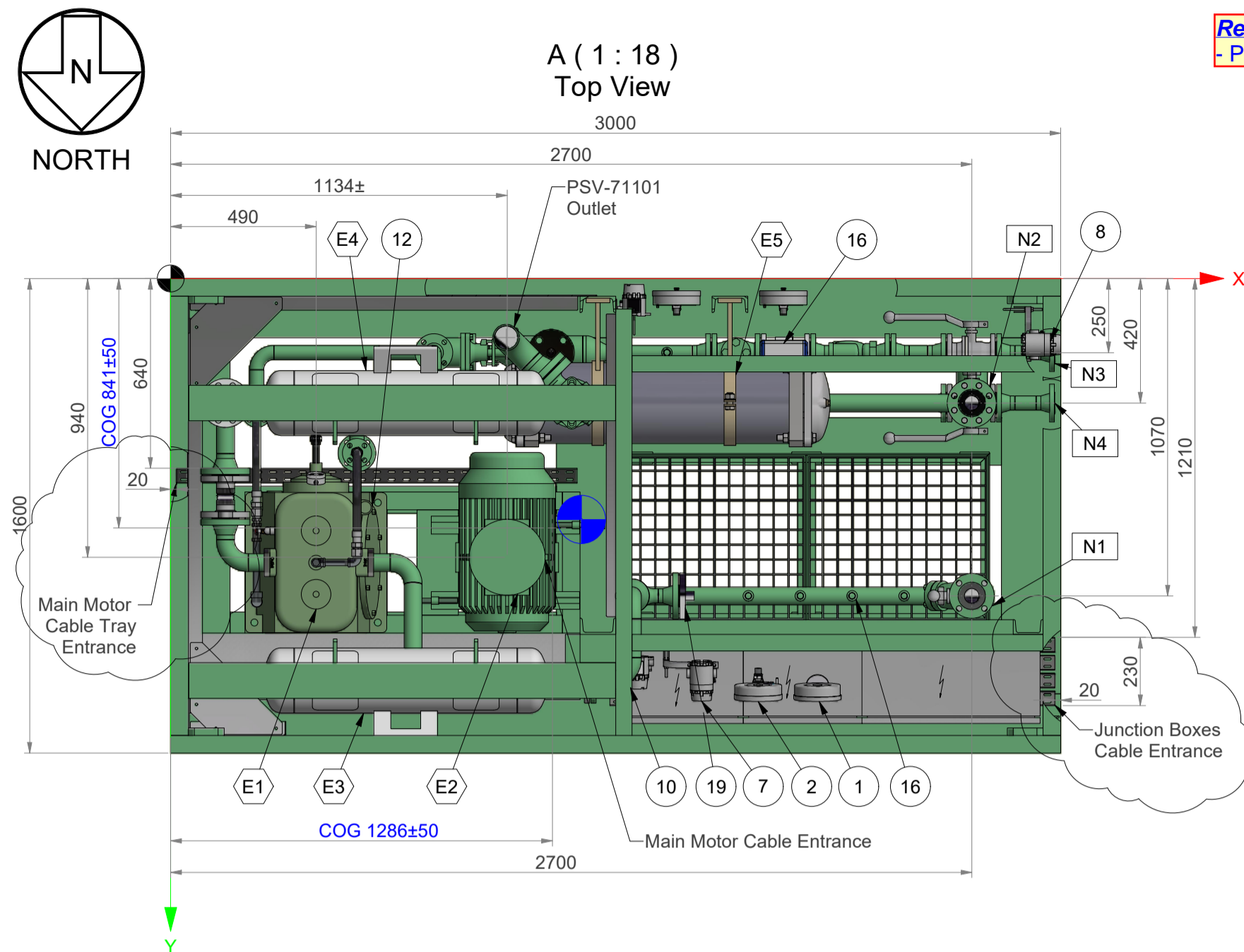
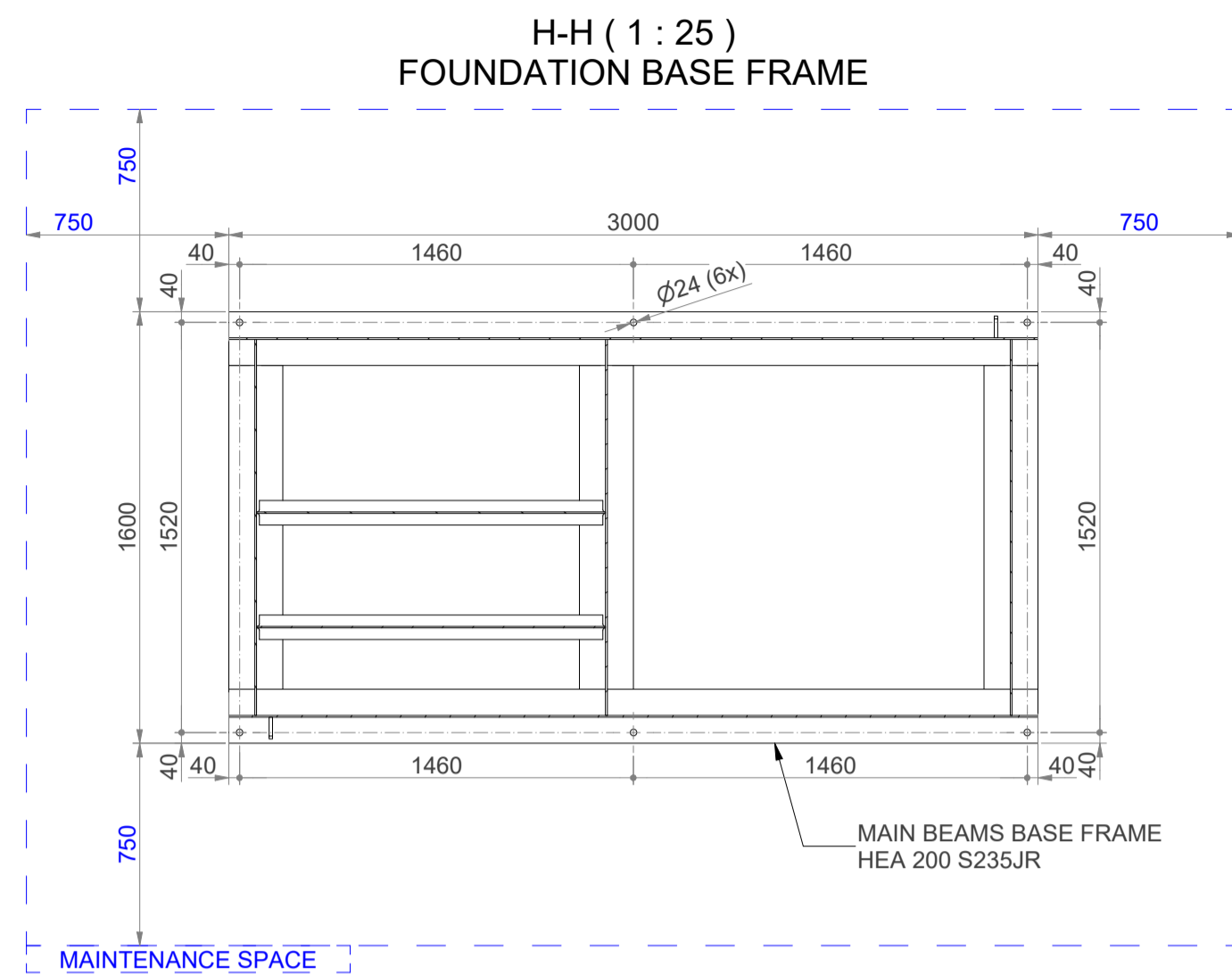
| | | | | | | | | | |
|---|---|------|-------|------|------|------|------|---|--------|
| OWNER:  شرکت سست و سوبی توهر ایران (سهامی خاص) | BUSHEHR PETROCHEMICAL COMPANY MEG PLANT | | | | | | | EPC CONTRACTOR:  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT | |
| | GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR | | | | | | |  | |
| MC :  شرکت سست و سوبی توهر ایران (سهامی خاص) | 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 |
| | | | | | | | | 05 | 1 of 3 |

GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

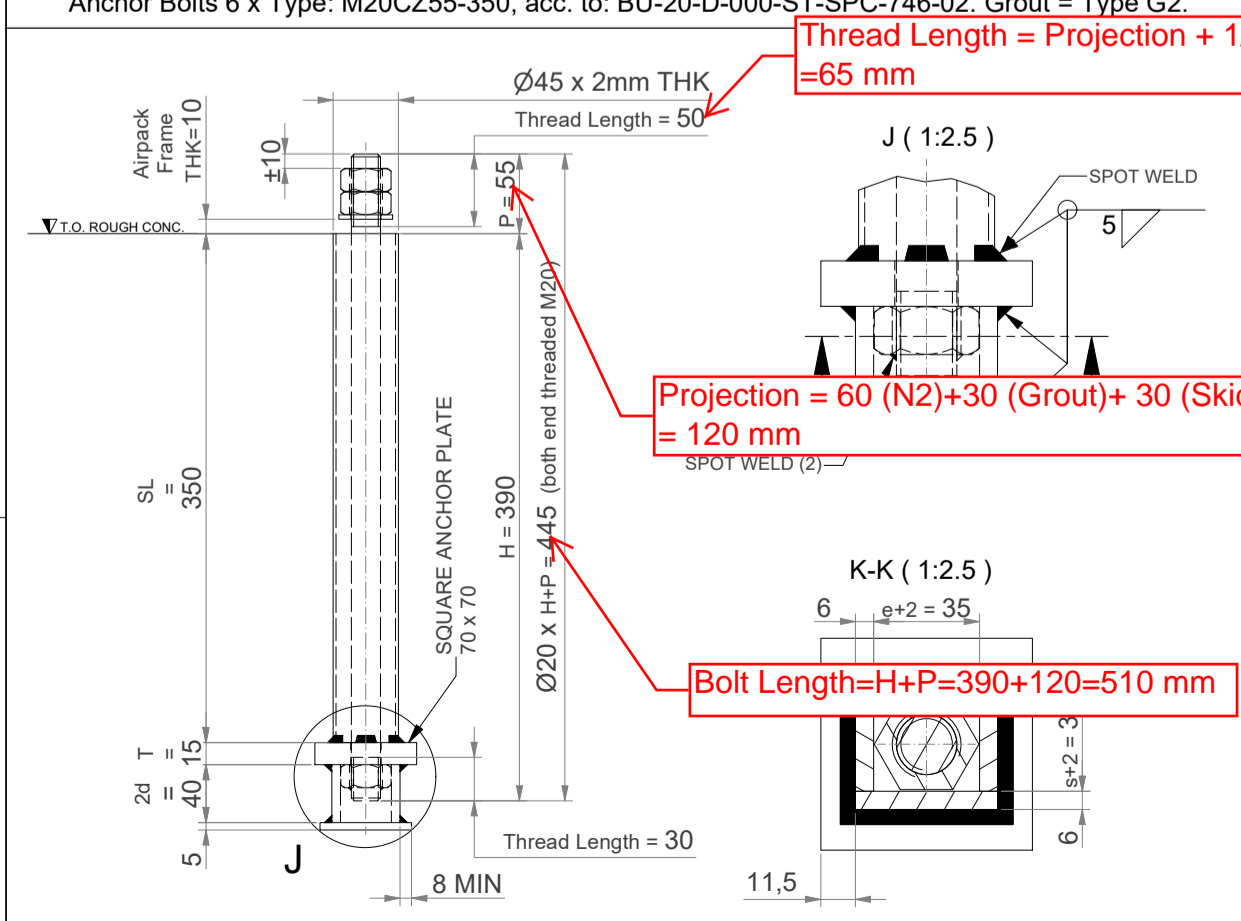
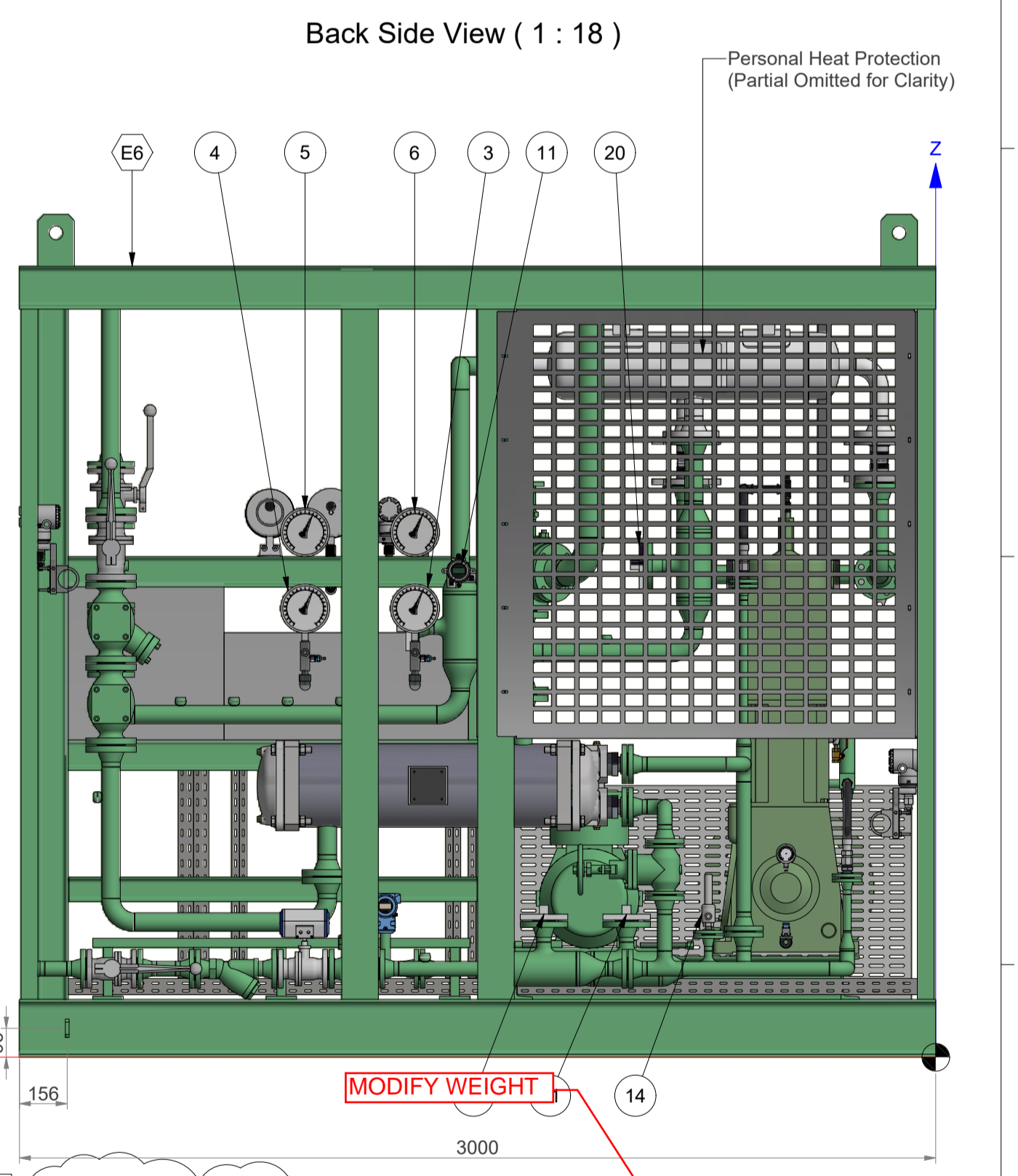
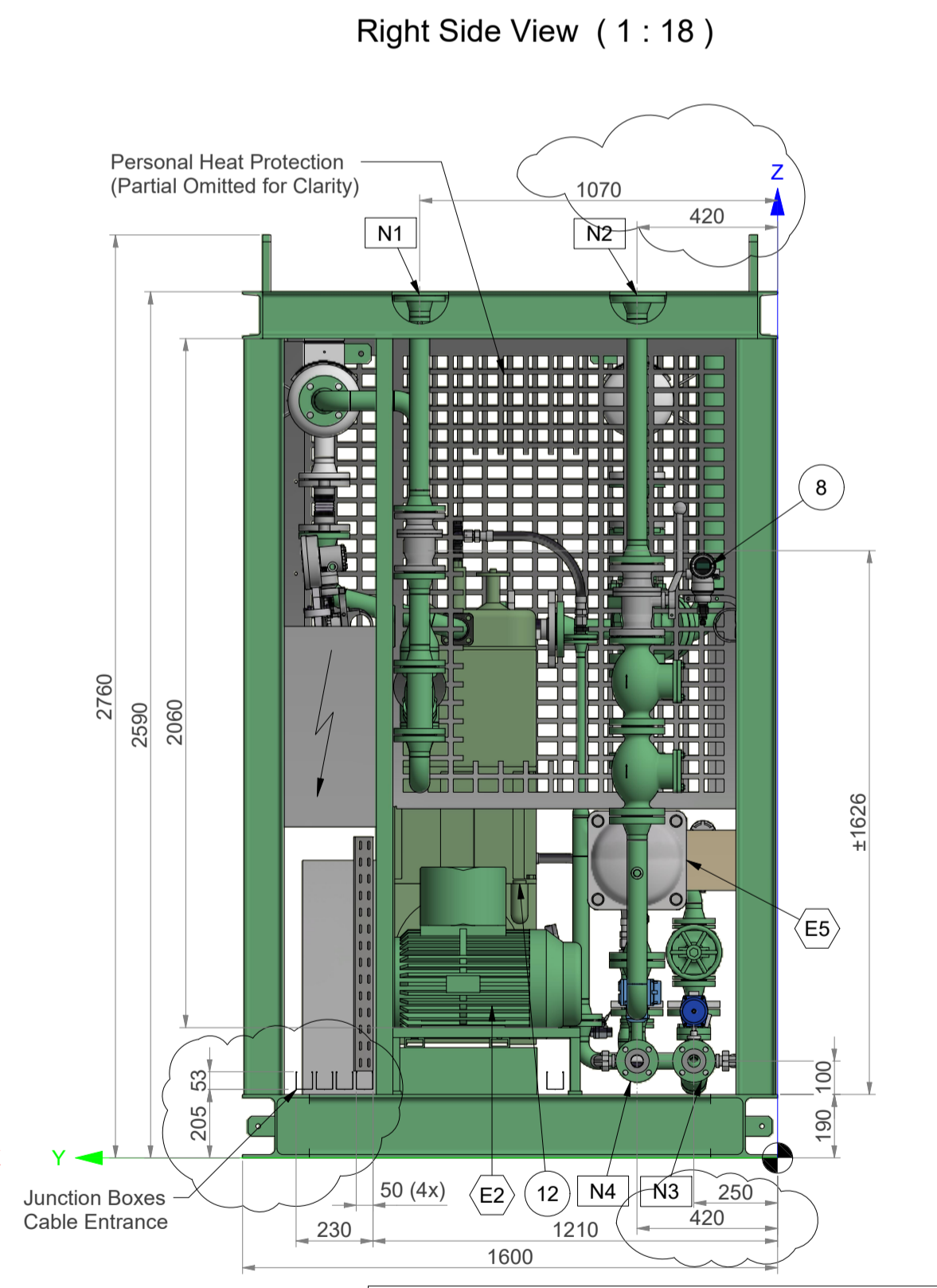
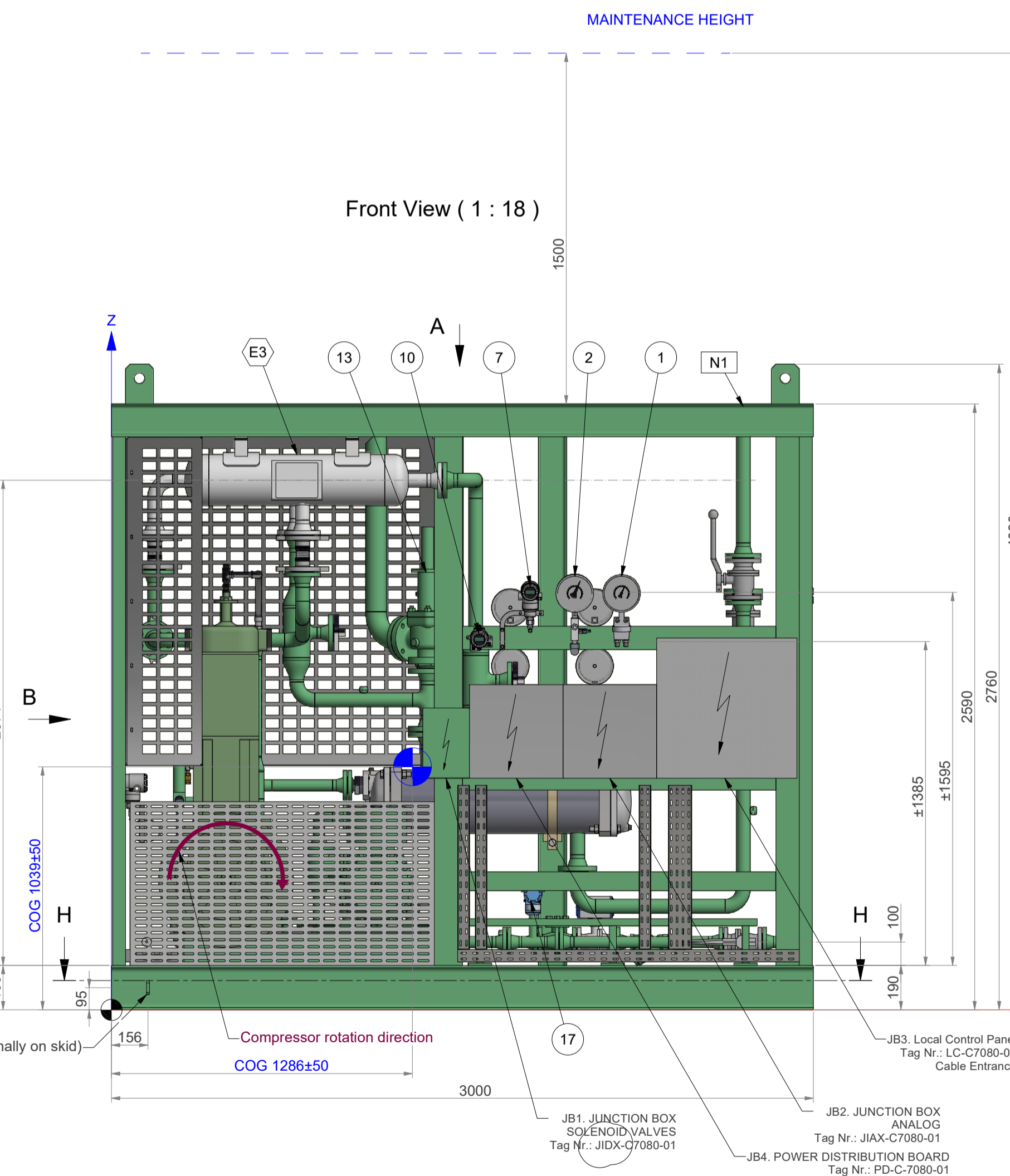
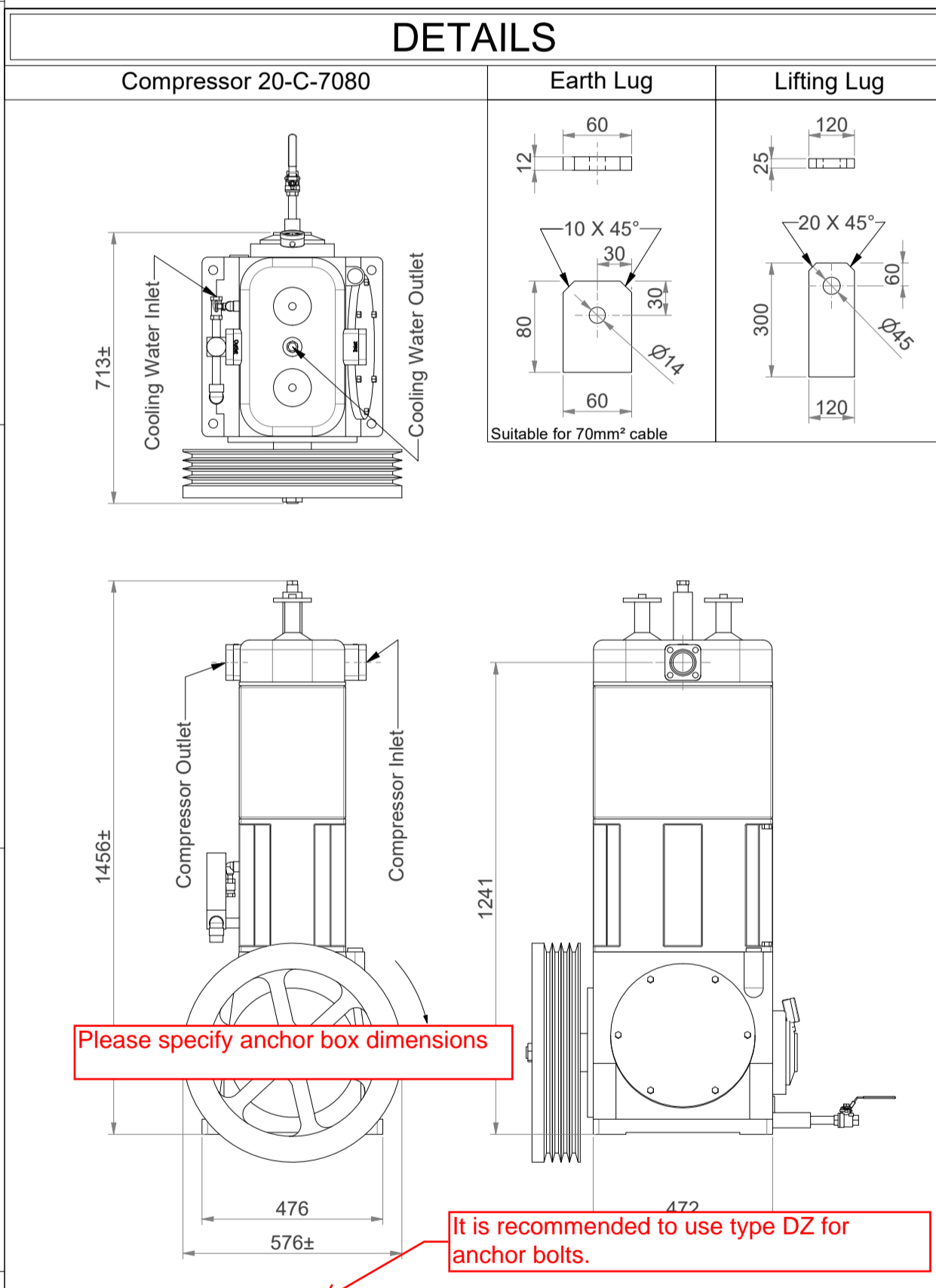
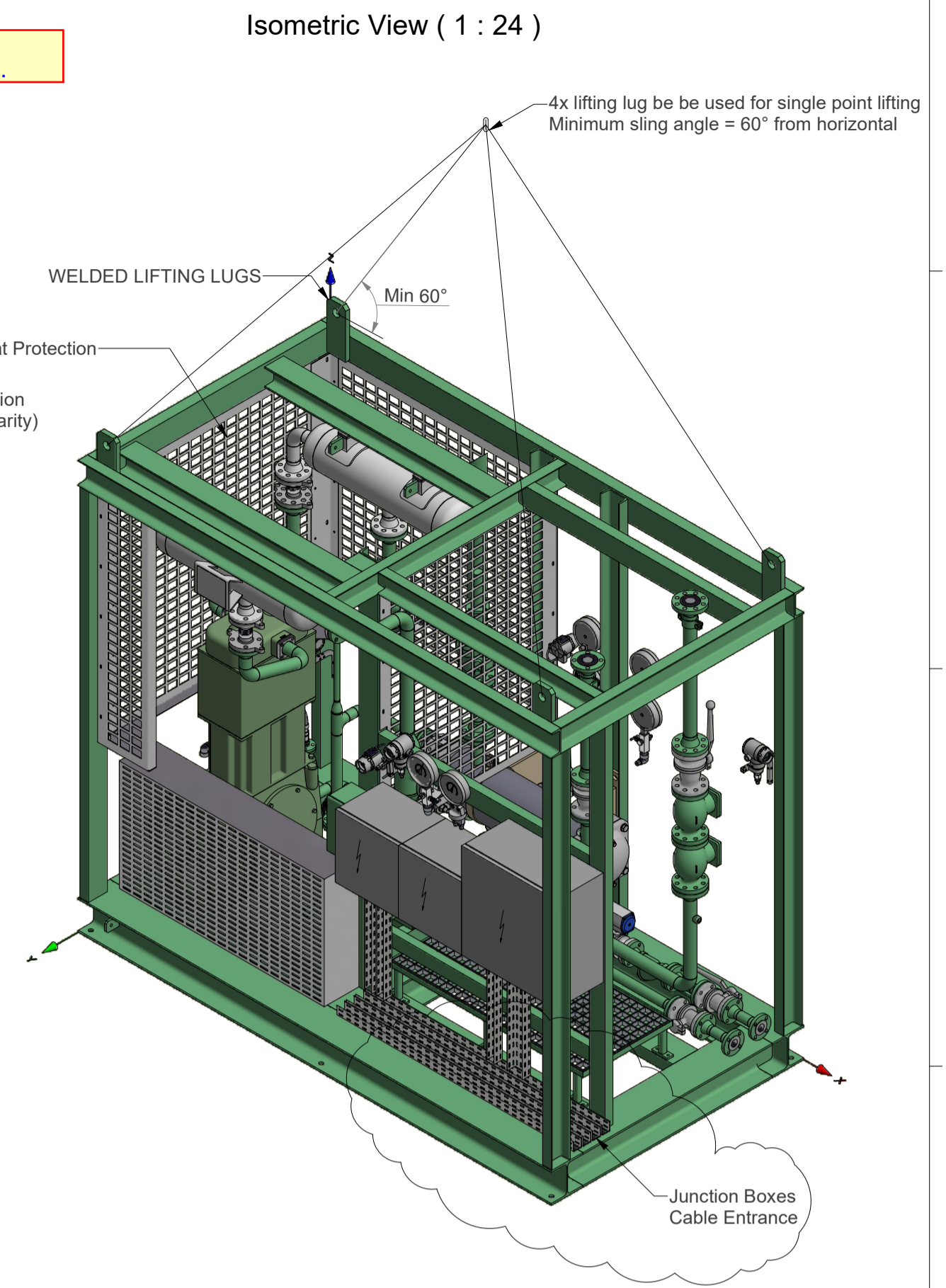
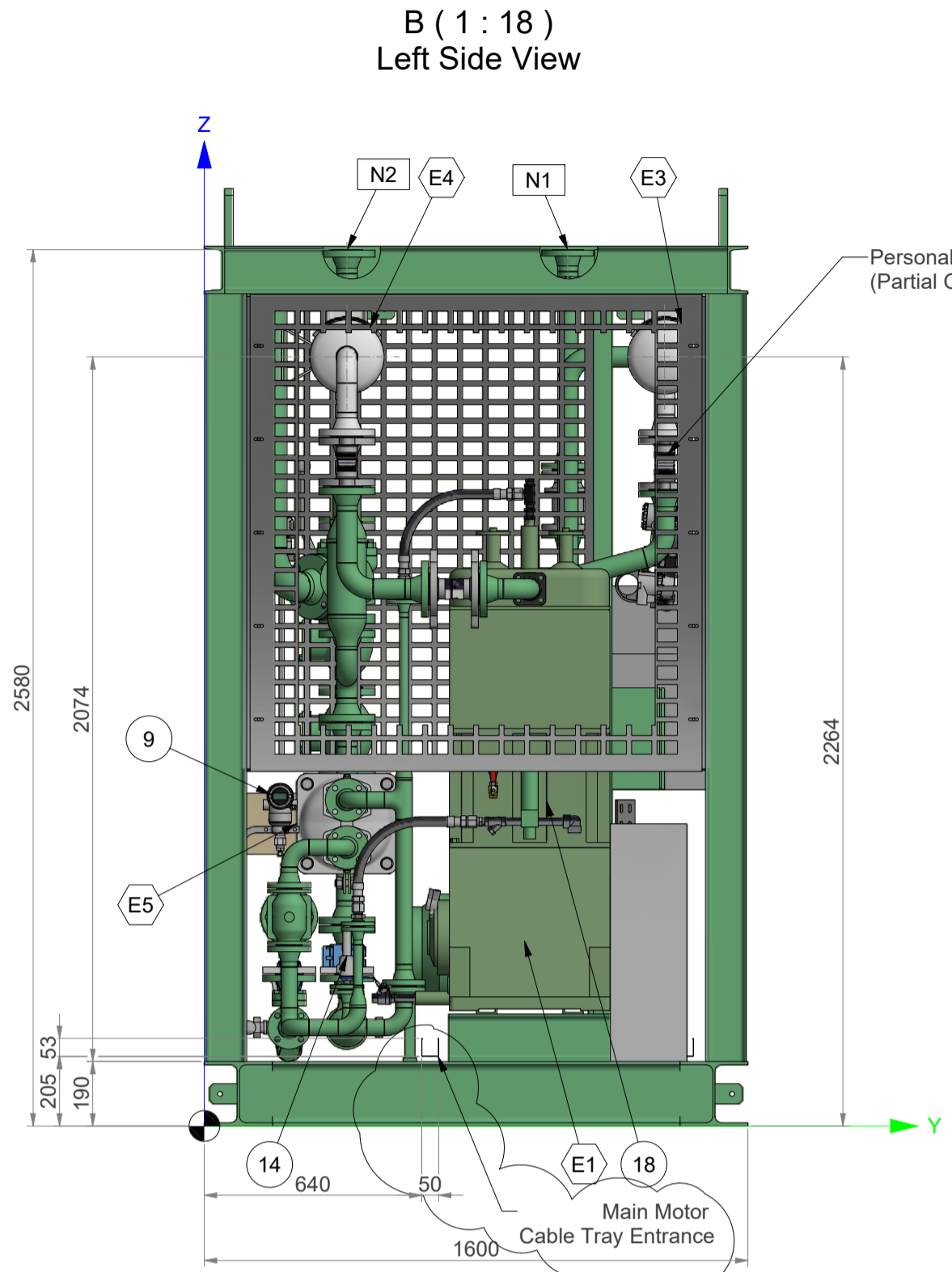
| | | |
|--|--|---|
|  شرکت سست و سوبی توهر ایران (سهامی خاص) |  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT | BUSHEHR PETROCHEMICAL COMPANY MEG PLANT |
| Document Review | | |
| Issue Purpose: | IFA | |
| Result Code: AP,AN,CM,RE,NC | AN | |
| Next Status : IFC,IFA,IFI,AFC,AB | AFC | |
| Responsible Department | MECHANICAL | |
| Commented Date | Oct /18/2021 | |
| Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract. | | |

| | | | | | | |
|------|------------|------------------|----------|---------|----------|---------|
| 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



Repeated Comment
Prerequisite document such as wiring diagram and instrument index to be issued before this document.



| INSTRUMENT DATA | | INSTRUMENT DATA | |
|--------------------|-----------------------------------|--------------------|---------------------------------|
| Identification nr. | Tag Nr. Instrument Air Comp. | Identification nr. | 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 | | JUNCTION BOX 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 | - |

| NOZZLE DATA | | NOZZLE DATA | |
|----------------------|--------|------------------------|--------|
| Tie - In Point | Nozzle | Size | Rating |
| Air/Nitrogen Inlet | N1 | 2" ANSI/ASME Sch80 | 150# |
| Air/Nitrogen Outlet | N2 | 2" ANSI/ASME Sch80 | 300# |
| Cooling Water Inlet | N3 | 1 1/2" ANSI/ASME Sch80 | 150# |
| Cooling Water Outlet | N4 | 1 1/2" ANSI/ASME Sch80 | 150# |

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

ESTIMATED OPERATIONAL WEIGHT = 3,200 kg
HEAVIEST MAINTENANCE PART = 211 kg
ESTIMATED STATIC LOAD = 31.4kN
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: Bushehr Petrochemical Company (BUPC)
Client Ref: MEG20-PO-BP303-021
Date: 5-10-2021
Checked by: SdB
Plant Location: IRAN Onshore
Scale: --
Airpack Ref: 17811-COM
Drawing No: 17811-Footprint-Air Comp-1