



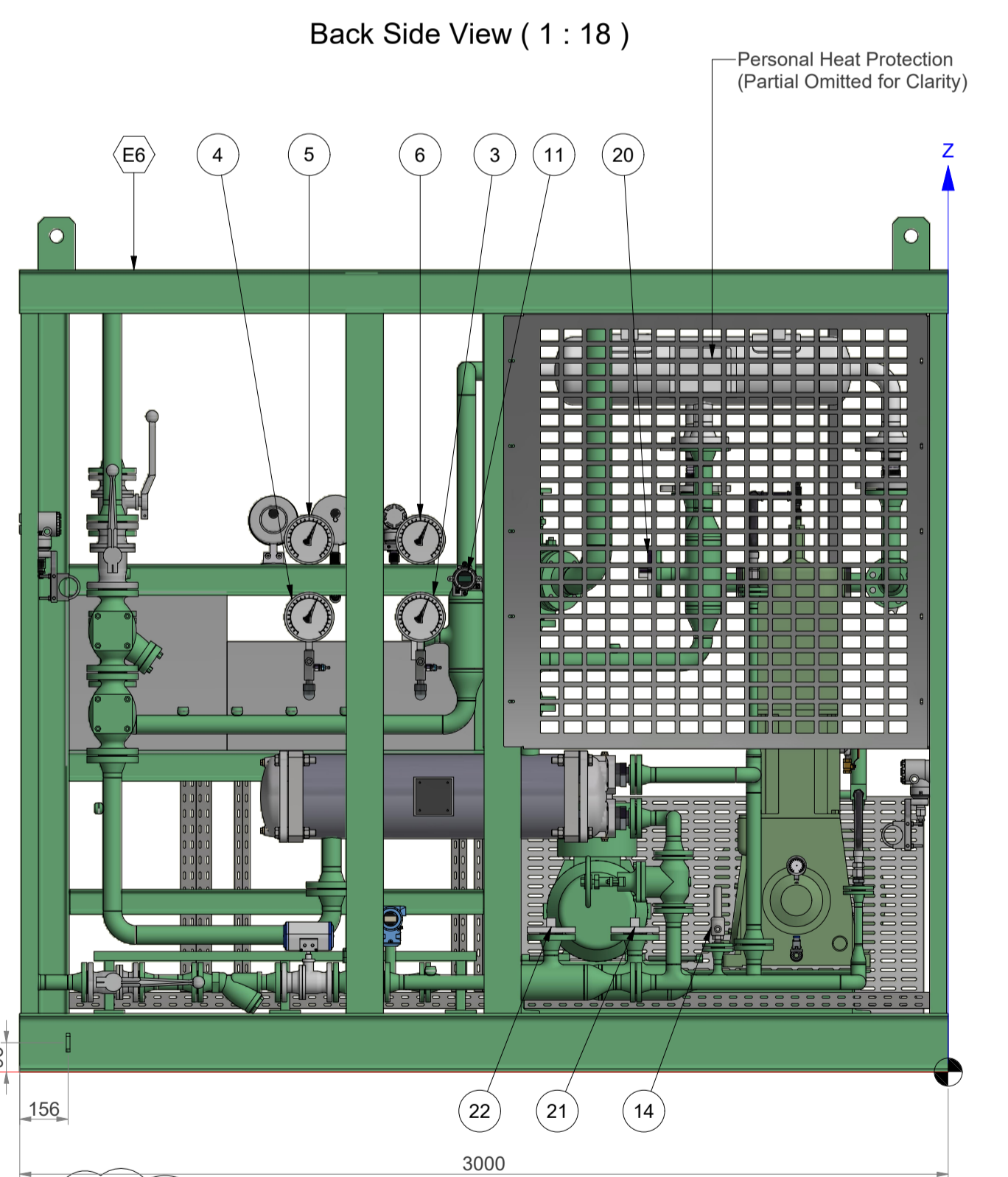
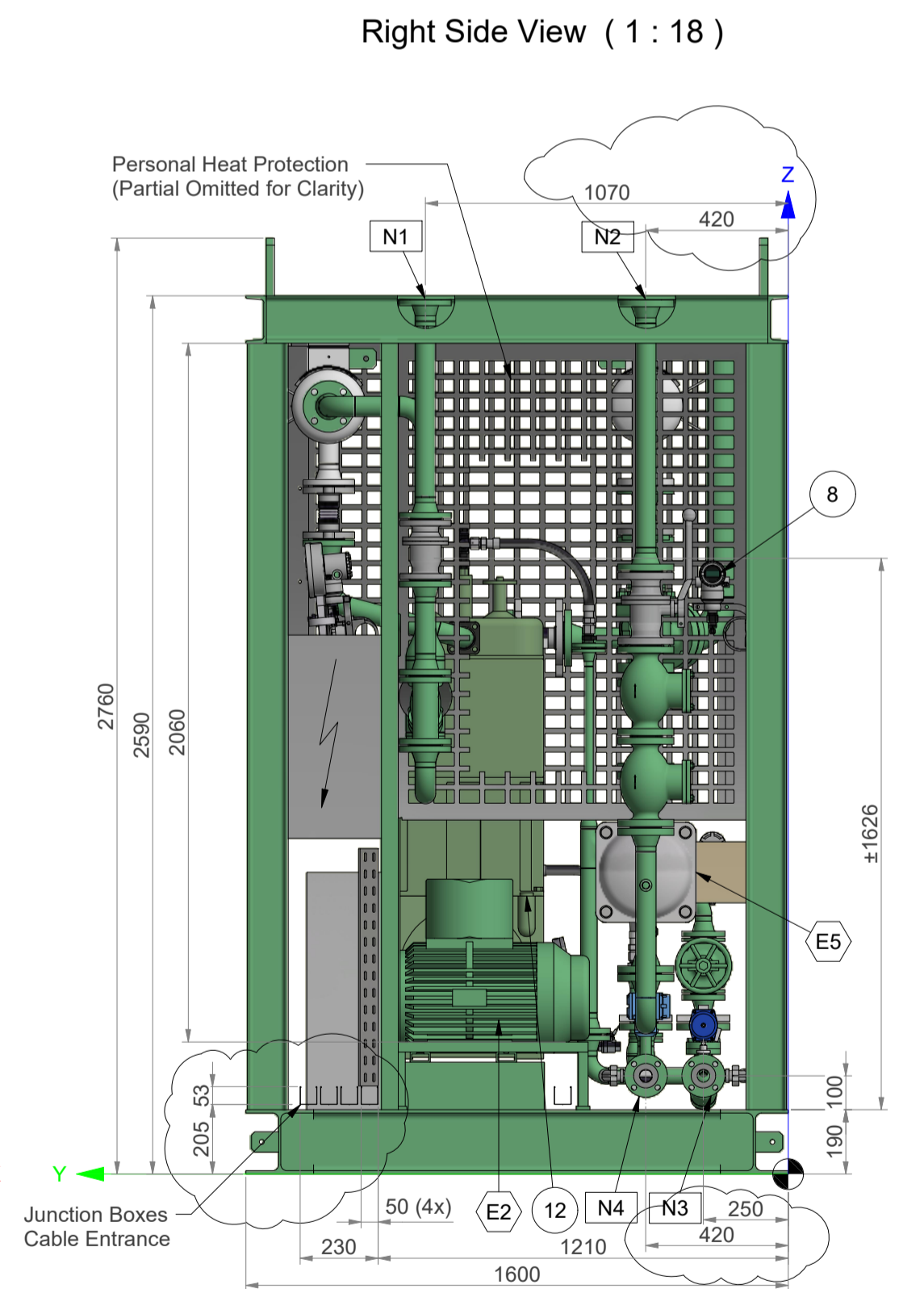
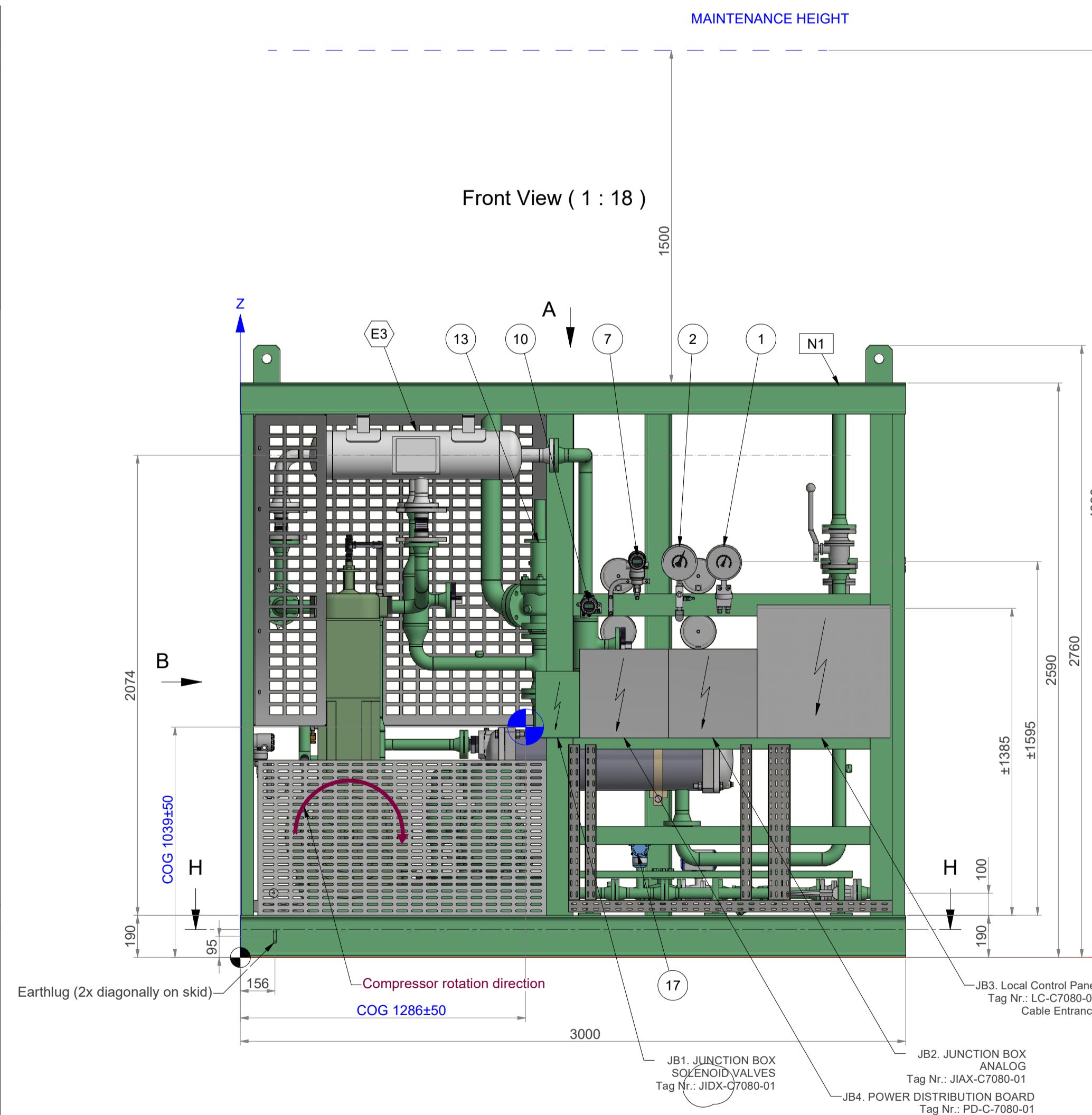
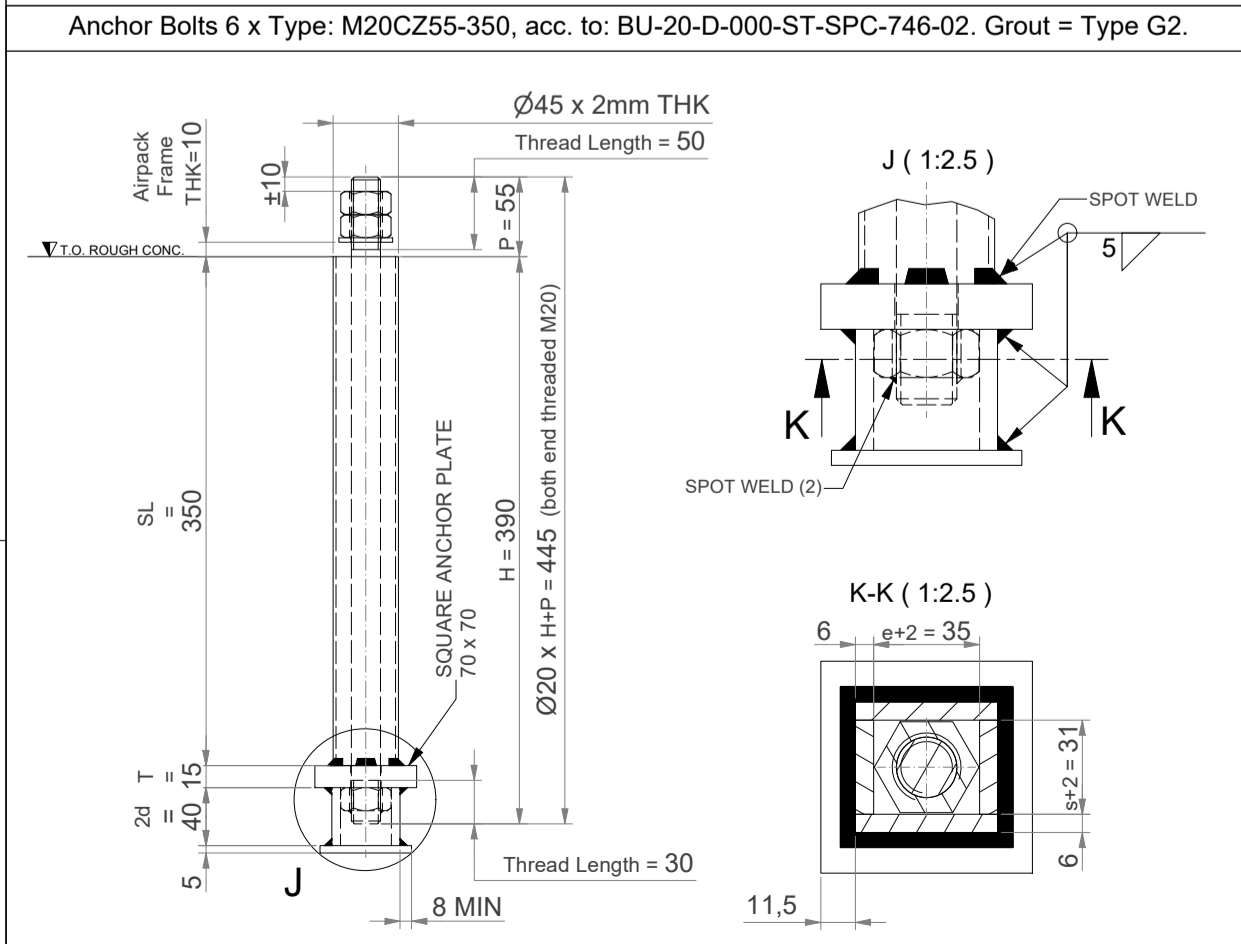
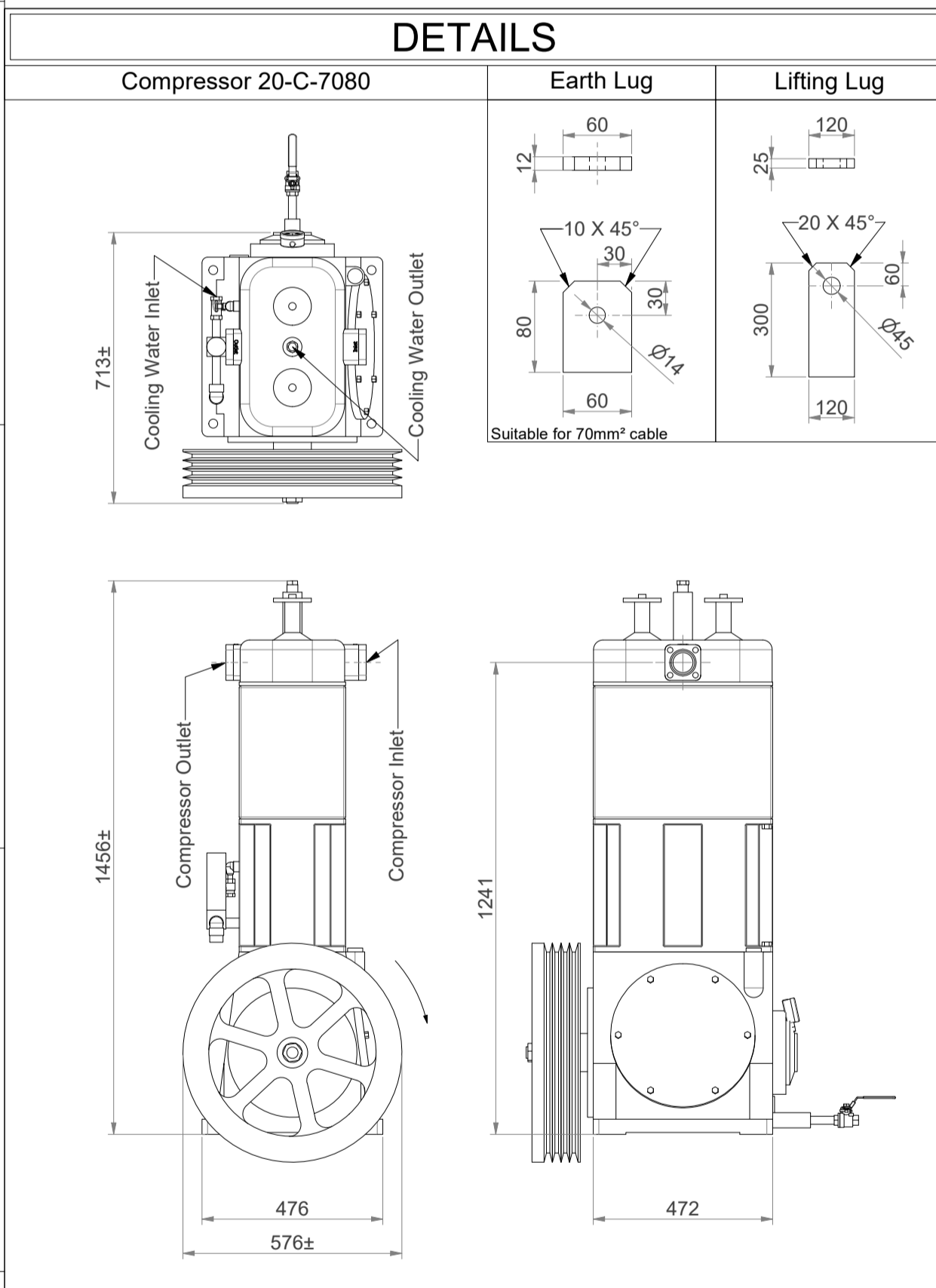
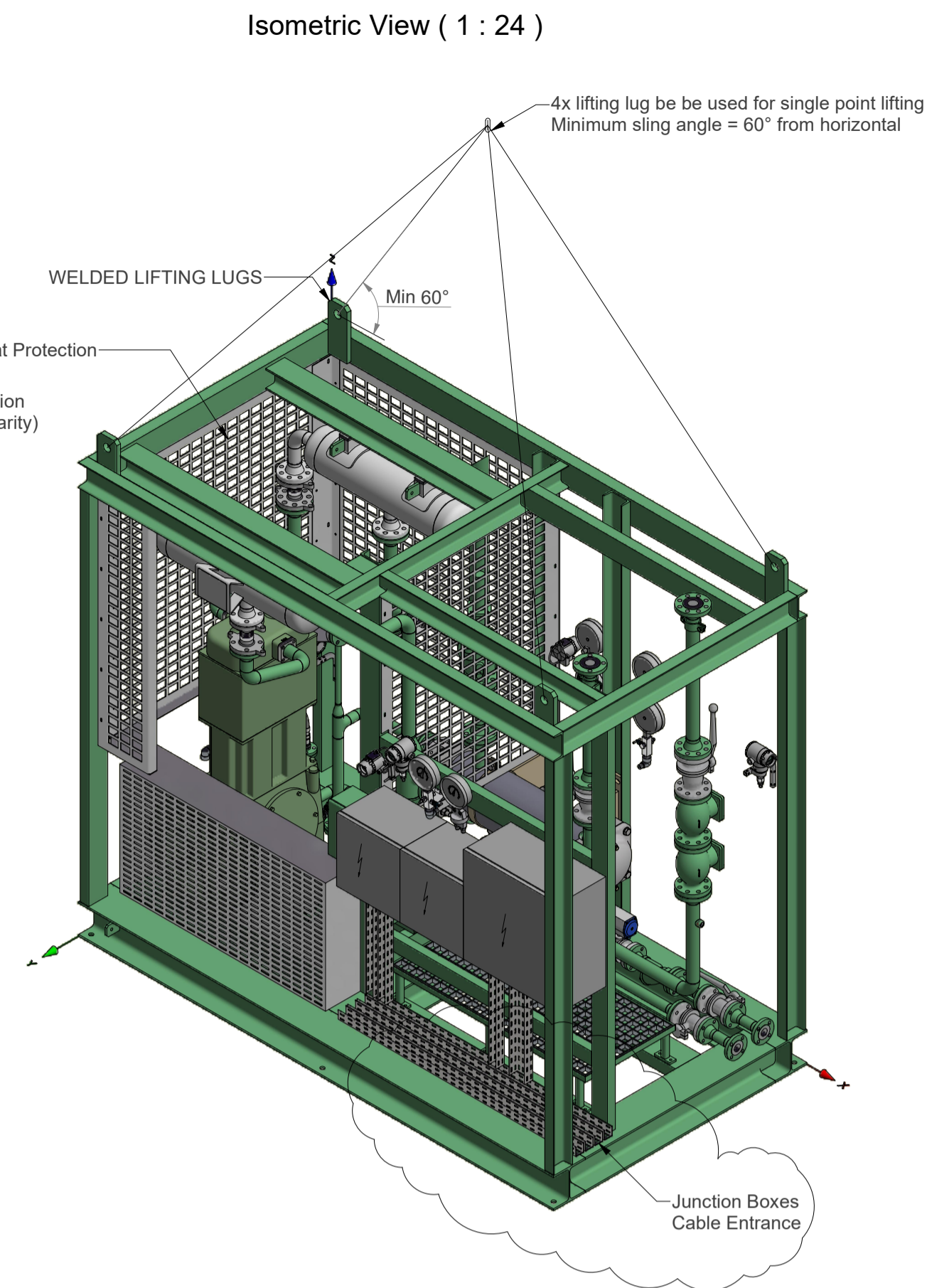
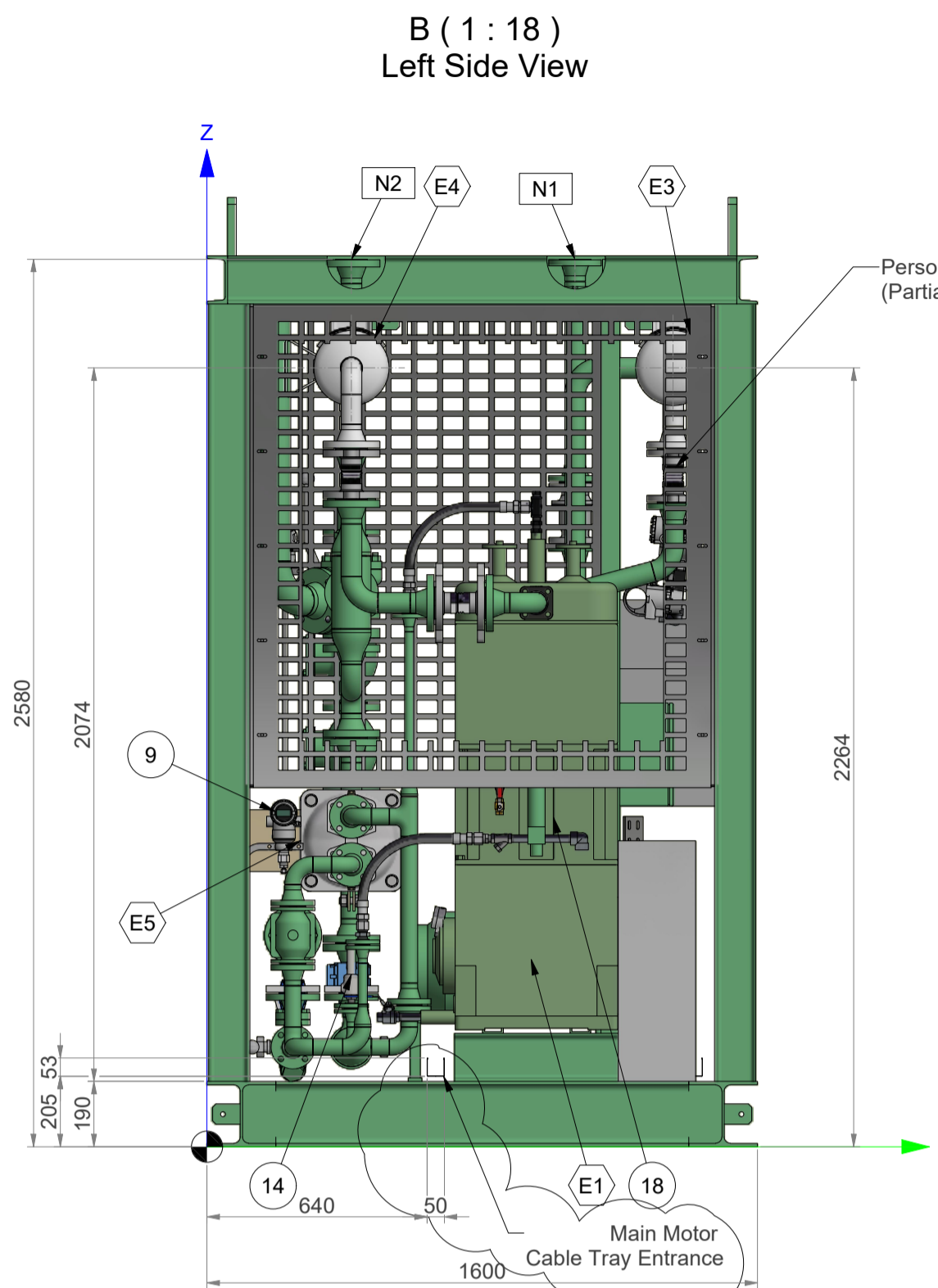
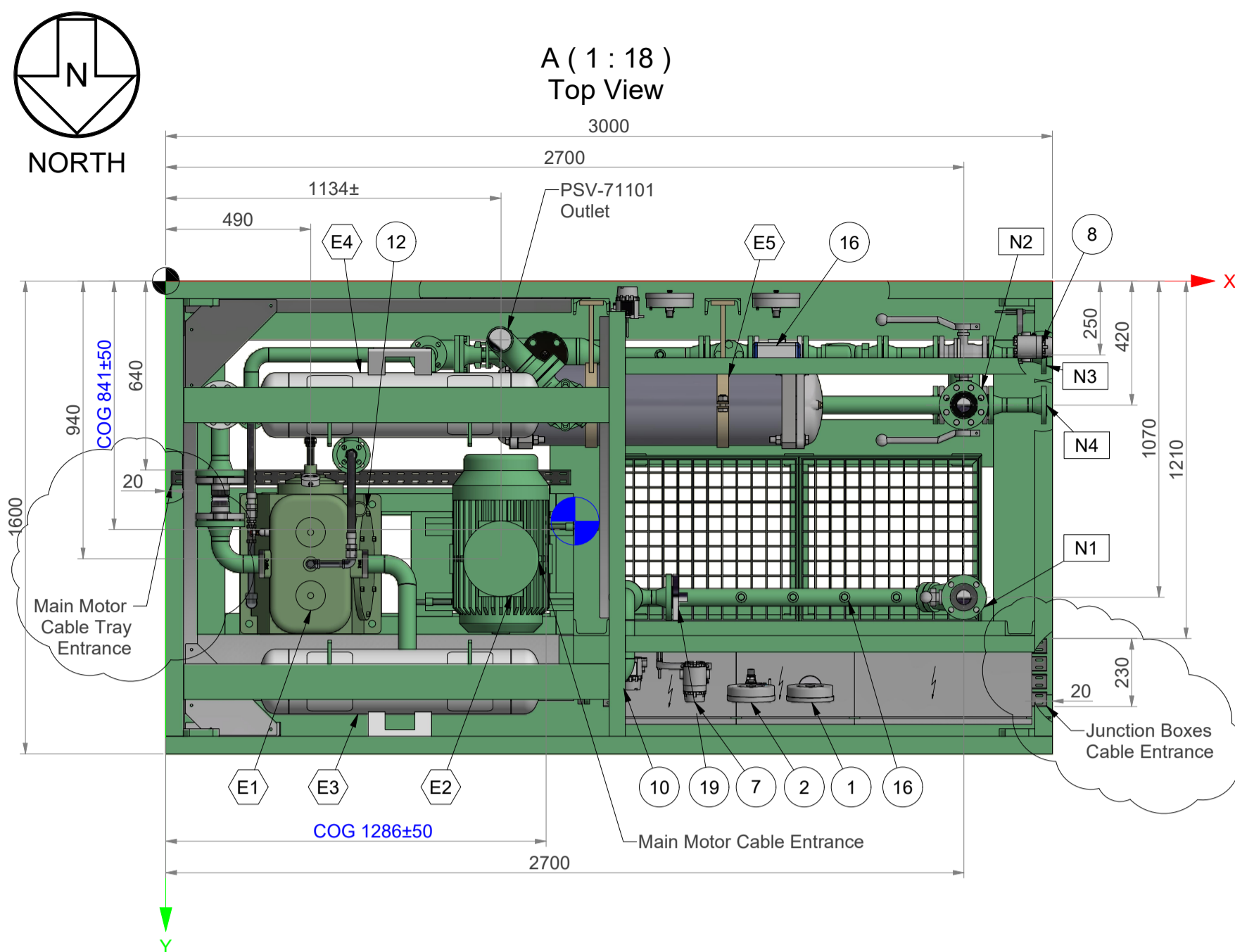
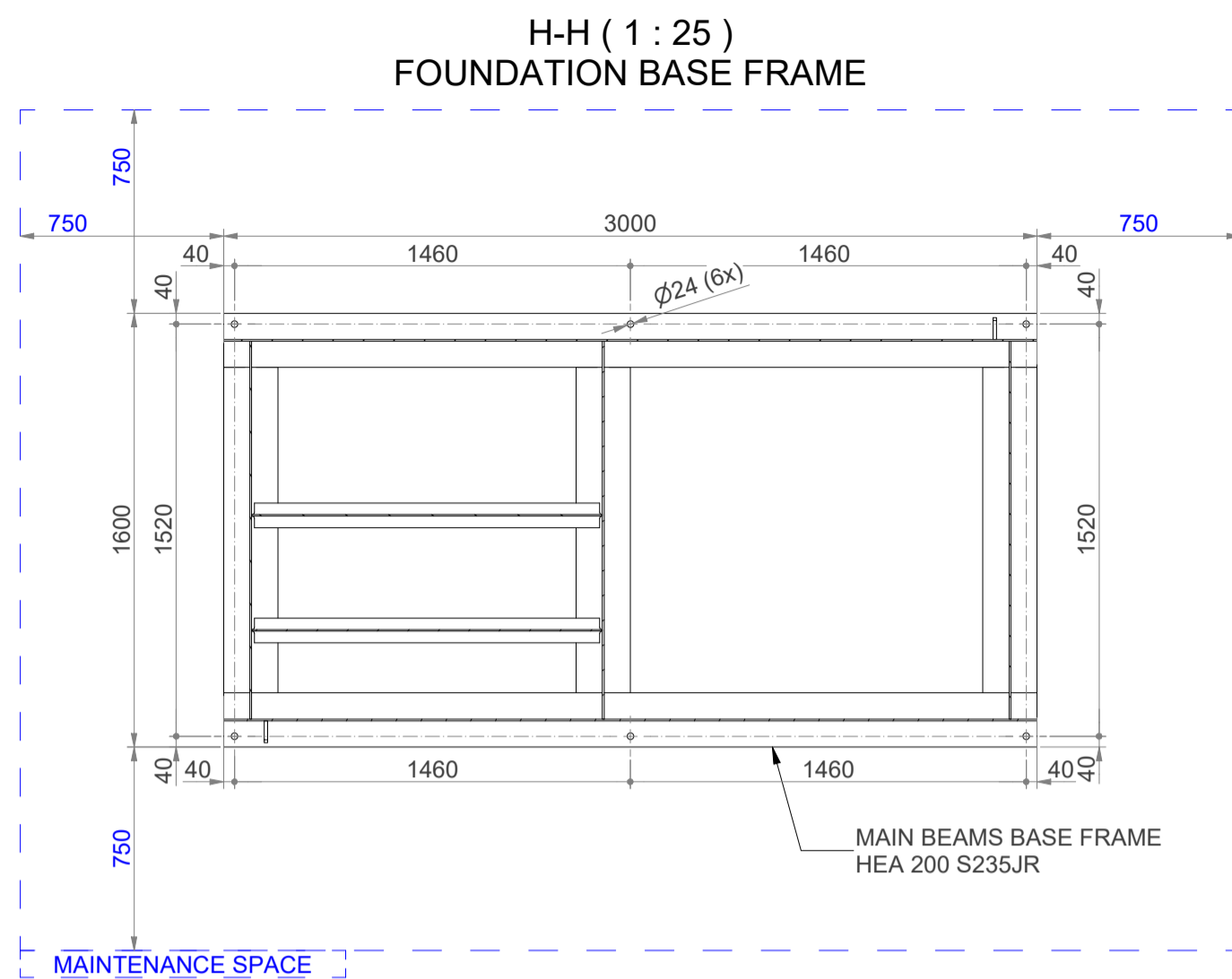


| | | | | | | | | | |
|--|--|------|-------|------|------|------|--|-------------------------|--------|
| OWNER:  شرکت مست و سوبی توهره ایرانیاان (سهایی ناس) | BUSHEHR PETROCHEMICAL COMPANY MEG PLANT | | | | | | EPC CONTRACTOR:  Chagalesh-Enerehimi-Steam Joint Venture BUPC-MEG PLANT PROJECT | | |
| | GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR | | | | | |  Netherlands | | |
| MC :  شرکت مست و سوبی توهره 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 |
| | | | | | | | | 05 | 1 of 3 |

GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

| | | | | | | |
|-------------|-------------|-------------------------|-----------------|----------------|-----------------|------------------|
| 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: DE |



| 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 | 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 | | | | | | | | | | | | | |
|----------------------|--------|------------------------|--------|-------|----------|-----------------------------|-----|-----|-----|-----|------|------|------|
| Tie - In Point | Nozzle | Size | Rating | Type | Material | Max. allowable nozzle loads | | | | | | | |
| | | | | | | FH | FA | FV | MH | MA | MV | X | Y |
| Air/Nitrogen Inlet | N1 | 2" ANSI/ASME Sch80 | 150# | WN-RF | A/SA105N | 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 | 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 | 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 | 2980 | 420 | 290 |

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 Ref. | Client | Client Doc. No. | Project | Scale | Revision | Date | Drawn by | Checked by | Plant Location | Airpack Ref. |
|--------------------|--------------------------------------|-----------------|--------------|----------------------------|----------|------------|----------|------------|----------------|--------------|
| MEG20-PO-BP303-021 | Bushehr Petrochemical Company (BUPC) | | IRAN Onshore | 17811-COM | 05 | 5-10-2021 | AV | KP | IRAN Onshore | 17811-COM |
| | | | | 17811-Footprint-Air Comp-1 | 04 | 11-8-2021 | AV | KP | | |
| | | | | | 03 | 28-6-2021 | AV | KP | | |
| | | | | | 02 | 11-1-2021 | SdB | KP | | |
| | | | | | 01 | 23-11-2020 | SdB | KP | | |

Client: Bushehr Petrochemical Company (BUPC)
Client Doc. No.: MEG20-PO-BP303-021
Project: IRAN Onshore
Scale: 17811-COM
Revision: 05
Date: 5-10-2021
Drawn by: AV
Checked by: KP
Plant Location: IRAN Onshore
Airpack Ref.: 17811-COM
Drawing No.: 17811-Footprint-Air Comp-1