





| OWNER:<br><br>شرکت سست و سویی توهر ایرانیاان<br>(سهامی خاص) | <b>BUSHEHR PETROCHEMICAL COMPANY<br/>MEG PLANT</b>   | EPC CONTRACTOR:<br><br>Chagalesh-Enerchimi-Steam<br>Joint Venture<br>BUPC-MEG PLANT PROJECT |      |       |      |      |      |      |    |    |    |     |    |     |      |  |                                |  |              |             |    |          |
|---|--|--|------|-------|------|------|------|------|----|----|----|-----|----|-----|------|--|--------------------------------|--|--------------|-------------|----|----------|
| MC :<br><br>شرکت سست و سویی توهر ایرانیاان<br>(سهامی خاص)  | <b>UCP/LCP/JB WIRING DIAGRAM FOR<br/>NITROGEN GAS BOOSTER</b>  |   |      |       |      |      |      |      |    |    |    |     |    |     |      |  |                                |  |              |             |    |          |
| <b>Owner Document Number:<br/>17811-05A</b>   | <table border="1" style="width: 100%; text-align: center;"> <tr> <th>Project</th> <th>Area</th> <th>Phase</th> <th>Unit</th> <th>Dis.</th> <th>Doc.</th> <th>Seq.</th> </tr> <tr> <td>BU</td> <td>20</td> <td>VD</td> <td>303</td> <td>IN</td> <td>DIG</td> <td>0043</td> </tr> </table> | Project  | Area | Phase | Unit | Dis. | Doc. | Seq. | BU | 20 | VD | 303 | IN | DIG | 0043 | <table border="1" style="width: 100%; text-align: center;"> <tr> <td colspan="2"><b>Contract No : 52-98/445</b></td> </tr> <tr> <td><b>Rev.:</b></td> <td><b>Page</b></td> </tr> <tr> <td>06</td> <td>1 of 111</td> </tr> </table> | <b>Contract No : 52-98/445</b> |  | <b>Rev.:</b> | <b>Page</b> | 06 | 1 of 111 |
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| BU  | 20   | VD   | 303  | IN    | DIG  | 0043 |      |      |    |    |    |     |    |     |      |  |                                |  |              |             |    |          |
| <b>Contract No : 52-98/445</b>  |  |  |      |       |      |      |      |      |    |    |    |     |    |     |      |  |                                |  |              |             |    |          |
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## UCP/LCP/JB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER

|            |             |                           |                 |                |                 |                 |
|------------|-------------|---------------------------|-----------------|----------------|-----------------|-----------------|
| 06         | 04/08/2022  | Approved for Construction | MG              | RB             | KP              |                 |
| 05         | 14/07/2022  | For approval              | MG              | RB             | KP              |                 |
| 04         | 30/06/2022  | For approval              | MG              | RB             | KP              |                 |
| 03         | 31/05/2022  | For approval              | MG              | RB             | KP              |                 |
| 02         | 08/12/2021  | For approval              | HT              | RB             | KP              |                 |
| 01         | 19/10/2021  | For approval              | HT              | RB             | KP              |                 |
| 00         | 24/11/2020  | For approval              | HT              | RB             | KP              |                 |
| <b>Rev</b> | <b>Date</b> | <b>Purpose of Issue</b>   | <b>Prepared</b> | <b>Checked</b> | <b>Approved</b> | <b>AC Code</b>  |
|            |             |                           |                 |                |                 |                 |
|            |             |                           |                 |                | <b>Class: 1</b> | <b>Phase: P</b> |





## Airpack B.V.

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Client : Bushehr Petrochemical Company (BUPC)

Equipment location : Iran, Onshore

Client reference : Bushehr MEG Plant Project

Client dwg. no. : BU-20-VD-303-IN-DIG-0043

Airpack reference : 17811-05A

Airpack dwg. no. : 17811-05

Generation date : 6-11-2020

E & I manager : RBE

Last modifications : 4-8-2022

Last modifications by : MaGo

Revision no. : 06



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|                                     |                                      |
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| SUBJECT<br>Title page / cover sheet |                                      |
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| CLIENT                              | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                         | Bushehr MEG Plant Project            |
| AIRPACK REF.                        | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
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| REVISION               | 06        |
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# NOTES ON ELECTRICAL DRAWINGS

MARK OF PLC IS SIEMENS S7-400 FH

ESD SIGNALS WILL BE CONNECTED HARDWIRED (4-WIRE CABLE)

ELECTRICAL SCHEME IS DRAWN IN NON ENERGIZED STATE

ACCEPT, RESET, CAN BE CONTROLLED ON THE UCP  
ALARMS-, TRIPS- AND RUNNING STATUS WILL BE VISIBLE WITH LAMPS ON UCP  
PROCESS VALUES AND ALARMS WILL BE VISIBLE ON UCP HMI

UCP IS LOCATED IN CONTROL ROOM  
MATERIAL: PAINTED SHEET STEEL (RAL 7035)  
INGRESS. PROTECTION: IP-42  
AREA CLASSIFICATION: SAFE AREA

JB ANALOG IS WALL MOUNTED ON SKID  
MATERIAL: SS316 (RAL 5015) BLUE  
INGRESS. PROTECTION: IP-65  
AREA CLASSIFICATION: Eex'i'

JB DIGITAL IS WALL MOUNTED ON SKID  
MATERIAL: SS316 (RAL 6021) GREEN  
INGRESS. PROTECTION: IP-65  
AREA CLASSIFICATION: Eex'e'

LCP IS WALL MOUNTED ON SKID  
MATERIAL: SS316 (RAL 6021) GREEN  
INGRESS. PROTECTION: IP-65  
AREA CLASSIFICATION: Eex'e'

DISTRIBUTION PANEL IS WALL MOUNTED ON SKID  
MATERIAL: ALUMINIUM (RAL 9006) GRAY  
INGRESS. PROTECTION: IP-65  
AREA CLASSIFICATION: Eex'd'

GLANDS: NICKEL PLATED BRASS GLANDS WITH PVC SHROUDS, ISO METRIC THREADS , IP-66, DOUBLE COMPRESSION, Ex-d/Ex-d dual certified including Locknut, Earth tag & Sealing washer  
CABLE TRAYS: GALVANIZED STEEL WITHOUT COVER

AMBIENT TEMPERATURE: 5 / 55 °C

ALL "PE" CONNECTIONS WILL BE CONNECTED ON A "PE"-BAR  
ALL "ISE" CONNECTIONS WILL BE CONNECTED ON A "ISE"-BAR

- Terminal blocks shall be spring loaded Klippon type and vibration proof for JB  
- Screens shall be insulated from earth at instrument side. They shall be continuous through to the control room marshaling cabinet where they will be connected to the clean system.

### COLOUR CODES INTERNAL WIRING

|                            |                |
|----------------------------|----------------|
| 400 VAC, 50HZ, L1          | BLACK          |
| 400 VAC, 50HZ, L3          | BROWN          |
| 400 VAC, 50HZ, L3          | GREY           |
| 110 VAC / 230 VAC, 50HZ, L | BROWN          |
| 110 VAC / 230 VAC, 50HZ, N | BLUE           |
| 24VDC +                    | RED            |
| 0 VDC                      | BLACK          |
| CURRENT LOOPS              | PURPLE         |
| VOLT FREE CONTACTS         | ORANGE         |
| PROTECTION EARTH           | GREEN / YELLOW |
| INSTRUMENT SAFETY EARTH    | GREEN          |
| INTRINSICALLY SAFE         | BLUE           |

REFERENCE DOCUMENTS:

P&ID FOR NITROGEN GAS BOOSTER  
I/O LIST FOR NITROGEN GAS BOOSTER

UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCL. BOM  
SINGLE LINE DIAGRAM FOR POWER DISTRIBUTION PANEL FOR NITROGEN GAS BOOSTER

AIRPACK DOC. NO.

17811-03A  
17811-06A  
17811-07A  
17811-49A

CUSTOMER DOC. NO.

BU-20-VD-303-PR-DWG-0013  
BU-20-VD-303-IN-LST-0034  
BU-20-VD-303-IN-DWG-0039  
BU-20-VD-303-EL-DIG-0049



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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| SUBJECT                  |                                      | DRAWN BY               |  | MaGo      |  | =            |  |
| Project description      |                                      | CHECKED BY             |  | RBE       |  | +            |  |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE |  | 13-7-2022 |  | CURRENT PAGE |  |
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| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               |  | 06        |  |              |  |
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| EQUIPMENT LOCATION   | Iran, Onshore            | CLIENT                    | Bushehr Petrochemical Company (BUPC)                | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE |
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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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| CLIENT REF.  | Bushehr MEG Plant Project            |
| AIRPACK REF.   | 17811-05A                            |

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| =20-C-1002+JNDX-C1002-01/1  | TERMINAL STRIP DEFINITION                    | 80                       | 13-7-2022 | MaGo      |
| =20-C-1002+JNDX-C1002-01/2  | CONNECTION SOLENOIDS                         | 81                       | 13-7-2022 | MaGo      |
| =20-C-1002+JNDX-C1002-01/3  | Terminal diagram =20-C-1002+JNDX-C1002-01-X1 | 82                       | 29-6-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/1  | TERMINAL STRIP DEFINITION                    | 83                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/2  | CONNECTION TRANSMITTERS                      | 84                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/3  | CONNECTION TRANSMITTERS                      | 85                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/4  | CONNECTION TRANSMITTERS                      | 86                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/5  | CONNECTION TRANSMITTERS                      | 87                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/6  | CONNECTION TRANSMITTERS                      | 88                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/7  | CONNECTION CONTROL VALVE                     | 89                       | 13-7-2022 | MaGo      |
| =20-C-1002+JIAX-C1002-01/8  | Terminal diagram =20-C-1002+JIAX-C1002-01-X2 | 90                       | 29-6-2022 | mgoeman   |
| =20-C-1002+JIAX-C1002-01/9  | Terminal diagram =20-C-1002+JIAX-C1002-01-X2 | 91                       | 29-6-2022 | mgoeman   |
| =20-C-1002+JIAX-C1002-01/10 | Terminal diagram =20-C-1002+JIAX-C1002-01-X2 | 92                       | 29-6-2022 | mgoeman   |
| =20-C-1002+LP-C1002-01/1    | TERMINAL STRIP DEFINITION                    | 93                       | 13-7-2022 | MaGo      |
| =20-C-1002+LP-C1002-01/2    | CONNECTION PUSHBUTTONS                       | 94                       | 13-7-2022 | MaGo      |
| =20-C-1002+LP-C1002-01/3    | CONNECTION LAMPS                             | 95                       | 13-7-2022 | MaGo      |
| =20-C-1002+LP-C1002-01/4    | CONNECTION ESD BUTTON                        | 96                       | 13-7-2022 | MaGo      |
| =20-C-1002+LP-C1002-01/5    | Terminal diagram =20-C-1002+LP-C1002-01-X5   | 97                       | 13-7-2022 | mgoeman   |
| =20-C-1002+LP-C1002-01/6    | Terminal diagram =20-C-1002+LP-C1002-01-X9   | 98                       | 13-7-2022 | mgoeman   |
| =20-C-1002+PD-C-1002-01/1   | TERMINAL STRIP DEFINITION                    | 99                       | 13-7-2022 | MaGo      |



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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

|                          |                           |  |                                      |
|--------------------------|---------------------------|--|--------------------------------------|
| SUBJECT                  |                           | Table of contents : =20-C-1002+UCP-C1002-01/55 - =20-C-1002+PD-C-1002-01/1 |                                      |
| ADAPTED TO P&ID REVISION | 05                        | CLIENT   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project | AIRPACK REF.   | 17811-05A                            |

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| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 5         |

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| +            |   |
| CURRENT PAGE | 5 |



# DEVICE TAG LIST

| Device tag          | Function text | Tech. car. | Symbol  |
|---------------------|---------------|------------|---|
| +UCP-C1002-01-2TH11 |               | SET@10°C   |  |
| +UCP-C1002-01-2TH14 |               | SET@40°C   |  |

| Device tag | Function text | Tech. car. | Symbol |
|------------|---------------|------------|--------|
|            |               |            |        |



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|  |                                      |
|--|--------------------------------------|
| SUBJECT<br>Device tag list : +=UCP-C1002-01-2TH11 - +=UCP-C1002-01-2TH14 |                                      |
| ADAPTED TO P&ID REVISION   | 05                                   |
| CLIENT   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.  | Bushehr MEG Plant Project            |
| AIRPACK REF.   | 17811-05A                            |

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|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 7         |

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# DEVICE TAG LIST

| Device tag                     | Function text | Tech. car.                    | Symbol |
|--------------------------------|---------------|-------------------------------|--------|
| =20-C-1002+UCP-C1002-01-8A9    |               | DISPLAY                       |        |
| =20-C-1002+UCP-C1002-01-2F9    |               | 230VAC<br>6A<br>C Char<br>MCB |        |
| =20-C-1002+UCP-C1002-01-2F11   |               | 230VAC<br>2A<br>C Char<br>MCB |        |
| =20-C-1002+UCP-C1002-01-2F15   |               | 110VAC<br>10A<br>C Char       |        |
| =20-C-1002+UCP-C1002-01-2F15.1 |               | 24VDC<br>20A<br>MCB           |        |
| =20-C-1002+UCP-C1002-01-2F17   |               | 110VAC<br>10A<br>C Char       |        |
| =20-C-1002+UCP-C1002-01-2F17.1 |               | 24VDC<br>20A<br>MCB           |        |
| =20-C-1002+UCP-C1002-01-5F2    |               | 24VDC<br>6A                   |        |
| =20-C-1002+UCP-C1002-01-5F11   |               | 24VDC<br>6A                   |        |

| Device tag                    | Function text                        | Tech. car.     | Symbol |
|-------------------------------|--------------------------------------|----------------|--------|
| =20-C-1002+UCP-C1002-01-2G15  |                                      | QUINT DIODE    |        |
| =20-C-1002+UCP-C1002-01-2H10  |                                      |                |        |
| =20-C-1002+UCP-C1002-01-25H4  | COMPRESSOR A OPERATIONAL XL-10156    | GREEN<br>24Vdc |        |
| =20-C-1002+UCP-C1002-01-25H6  | COMPRESSOR A RUNNING XL-10157        | GREEN<br>24Vdc |        |
| =20-C-1002+UCP-C1002-01-25H8  | COMPRESSOR A COMMON ALARM XL-10158   | AMBER<br>24Vdc |        |
| =20-C-1002+UCP-C1002-01-25H10 | COMPRESSOR A COMMON TRIP XL-10159    | RED<br>24Vdc   |        |
| =20-C-1002+UCP-C1002-01-27K8  |                                      | 24Vdc          |        |
| =20-C-1002+UCP-C1002-01-28K4  | COMPRESSOR A SOLENOID VALVE XY-10151 | 24Vdc          |        |
| =20-C-1002+UCP-C1002-01-28K6  | COMPRESSOR A SOLENOID VALVE XY-10152 | 24Vdc          |        |

# DEVICE TAG LIST

| Device tag                    | Function text   | Tech. car. | Symbol |
|-------------------------------|---|------------|--------|
| =20-C-1002+UCP-C1002-01-28K8  | SPARE   | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-28K10 | =   | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-28K12 | PID CONTROL ACTIVE XS-10128-PID                             | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-30K4  | COMPRESSOR A MAIN MOTOR 20-M-1002 START/STOP XS-10122-ST/SP | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-30K6  | COMPRESSOR A OIL HEATER LG-10151 ON/OFF XS-10123-ST/SP      | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-30K10 |   | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-57K12 |   | 24Vdc      |        |
| =20-C-1002+UCP-C1002-01-2M14  |   |            |        |
| =20-C-1002+UCP-C1002-01-5M2   | PLC POWER SUPPLY  |            |        |

| Device tag                   | Function text                  | Tech. car.  | Symbol |
|------------------------------|--------------------------------|-------------|--------|
| =20-C-1002+UCP-C1002-01-5M3  | S7-400 CPU                     |             |        |
| =20-C-1002+UCP-C1002-01-5M5  | COMMUNICATION MODULE [CP443-1] |             |        |
| =20-C-1002+UCP-C1002-01-5M11 | PLC POWER SUPPLY               |             |        |
| =20-C-1002+UCP-C1002-01-5M12 | S7-400 CPU                     |             |        |
| =20-C-1002+UCP-C1002-01-5M14 | COMMUNICATION MODULE [CP443-1] |             |        |
| =20-C-1002+UCP-C1002-01-6M15 | FS 10DO                        | SM326 24VDC |        |
| =20-C-1002+UCP-C1002-01-6M16 | =                              | SM326 24VDC |        |
| =20-C-1002+UCP-C1002-01-6M18 | =                              | SM326 24VDC |        |
| =20-C-1002+UCP-C1002-01-6M19 | =                              | SM326 24VDC |        |



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|---|--------------------------------------|
| SUBJECT   |                                      |
| Device tag list : =20-C-1002+UCP-C1002-01-28K8 - =20-C-1002+UCP-C1002-01-6M19 |                                      |
| ADAPTED TO P&ID REVISION  | 05                                   |
| CLIENT  | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.   | Bushehr MEG Plant Project            |
| AIRPACK REF.  | 17811-05A                            |

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| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 9         |

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# DEVICE TAG LIST

| Device tag                   | Function text | Tech. car.      | Symbol |
|------------------------------|---------------|-----------------|--------|
| =20-C-1002+UCP-C1002-01-7M15 | FS 10DO       | SM326 24VDC     |        |
| =20-C-1002+UCP-C1002-01-7M16 | =             | SM326 24VDC     |        |
| =20-C-1002+UCP-C1002-01-7M18 | =             | SM326 24VDC     |        |
| =20-C-1002+UCP-C1002-01-7M19 | =             | SM326 24VDC     |        |
| =20-C-1002+UCP-C1002-01-2S2  |               |                 |        |
| =20-C-1002+UCP-C1002-01-2S4  |               |                 |        |
| =20-C-1002+UCP-C1002-01-2S6  |               |                 |        |
| =20-C-1002+UCP-C1002-01-3S6  |               | Red<br>PB-10157 |        |
| =20-C-1002+UCP-C1002-01-11S3 | GREEN         |                 |        |

| Device tag                    | Function text | Tech. car. | Symbol |
|-------------------------------|---------------|------------|--------|
| =20-C-1002+UCP-C1002-01-11S5  | RED           |            |        |
| =20-C-1002+UCP-C1002-01-11S7  | BLACK         |            |        |
| =20-C-1002+UCP-C1002-01-11S9  | =             |            |        |
| =20-C-1002+UCP-C1002-01-11S11 | =             |            |        |
| =20-C-1002+UCP-C1002-01-2U13  |               |            |        |
| =20-C-1002+UCP-C1002-01-9U4   |               |            |        |
| =20-C-1002+UCP-C1002-01-9U6   |               |            |        |
| =20-C-1002+UCP-C1002-01-9U7   |               |            |        |
| =20-C-1002+UCP-C1002-01-9U14  |               |            |        |



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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| SUBJECT<br>Device tag list : =20-C-1002+UCP-C1002-01-7M15 - =20-C-1002+UCP-C1002-01-9U14 |                                      |
| ADAPTED TO P&ID REVISION   | 05                                   |
| CLIENT   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.  | Bushehr MEG Plant Project            |
| AIRPACK REF.   | 17811-05A                            |

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| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 10        |

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# DEVICE TAG LIST

| Device tag                    | Function text                          | Tech. car.             | Symbol |
|-------------------------------|--|------------------------|--------|
| =20-C-1002+UCP-C1002-01-9U15  |  |                        |        |
| =20-C-1002+UCP-C1002-01-9U18  |  |                        |        |
| =20-C-1002+UCP-C1002-01-9U19  |  |                        |        |
| =20-C-1002+UCP-C1002-01-25U12 | COMPRESSOR A HOURMETER HM-10151        |                        |        |
| =20-C-1002+UCP-C1002-01-58U5  | PID controller Flow valve 4-20mA Input | 4-20mA control         |        |
| =20-C-1002+UCP-C1002-01-2V15  |  | 110VAC<br>24VDC<br>20A |        |
| =20-C-1002+UCP-C1002-01-2V17  |  | 110VAC<br>24VDC<br>20A |        |
| =20-C-1002+LP-C1002-01-3H4    | GREEN                                  | XL-10151               |        |
| =20-C-1002+LP-C1002-01-3H6    | =                                      | XL-10152               |        |

| Device tag                     | Function text    | Tech. car.           | Symbol |
|--------------------------------|------------------|----------------------|--------|
| =20-C-1002+LP-C1002-01-3H8     | AMBER            | XL-10153             |        |
| =20-C-1002+LP-C1002-01-3H10    | RED              | XL-10154             |        |
| =20-C-1002+LP-C1002-01-2S4     | GREEN            | PB-10151             |        |
| =20-C-1002+LP-C1002-01-2S6     | RED              | PB-10152             |        |
| =20-C-1002+LP-C1002-01-2S8     | BLACK            | PB-10154             |        |
| =20-C-1002+LP-C1002-01-2S10    | LOCAL/OFF/REMOTE | HS-10151             |        |
| =20-C-1002+LP-C1002-01-4S3     | RED              | PB-10153             |        |
| =20-C-1002+PD-C-1002-01-2F17   |                  | 10A<br>MCB<br>C Char |        |
| =20-C-1002+PD-C-1002-01-2F17.1 |                  | 6A<br>MCB<br>C Char  |        |

# DEVICE TAG LIST

| Device tag                    | Function text                         | Tech. car.                           | Symbol |
|-------------------------------|---------------------------------------|--------------------------------------|--------|
| =20-C-1002+PD-C-1002-01-3F3   |                                       | 400VAC<br>100A<br>MCCB<br>C Char     |        |
| =20-C-1002+PD-C-1002-01-4F4   |                                       | 230VAC<br>5A<br>C Char<br>MCB        |        |
| =20-C-1002+PD-C-1002-01-4F15  |                                       | 2A, 24Vdc<br>Glass fuse              |        |
| =20-C-1002+PD-C-1002-01-5K4   | Interface relay Main Motor Start/Stop | XS-10122-ST/SP                       |        |
| =20-C-1002+PD-C-1002-01-5K6   | Interface relay Oil heater On/Off     | XS-10123-ST/SP                       |        |
| =20-C-1002+PD-C-1002-01-2Q3   | 100A                                  |                                      |        |
| =20-C-1002+PD-C-1002-01-4Q3   |                                       | MCCB<br>SET @ 1A<br>0,35-1.4A        |        |
| =20-C-1002+PD-C-1002-01-3U2   |                                       | MPCB<br>SET @ 90A<br>65-115A<br>45KW |        |
| =20-C-1002+PD-C-1002-01-3U2.1 |                                       | contactor<br>115 A AC-3<br>3P        |        |

| Device tag                   | Function text                         | Tech. car.  | Symbol |
|------------------------------|---------------------------------------|---|--------|
| =20-C-1002+PD-C-1002-01-4U4  |                                       | SSR<br>ON/OFF control<br>12 VDC - 21mA<br>AC 7-264V<br>Current AC-1 15A |        |
| =20-C-1002+PD-C-1002-01-4U15 | PID controller Oil heater PT100 input | On/off control  |        |
| =20-C-1002+PD-C-1002-01-2V17 |                                       | 400VAC<br>24VDC<br>5A   |        |
| =20-C-1002+PD-C-1002-01-3V2  | AMP. METER (6In) AM-10151             | 0-200 A   |        |

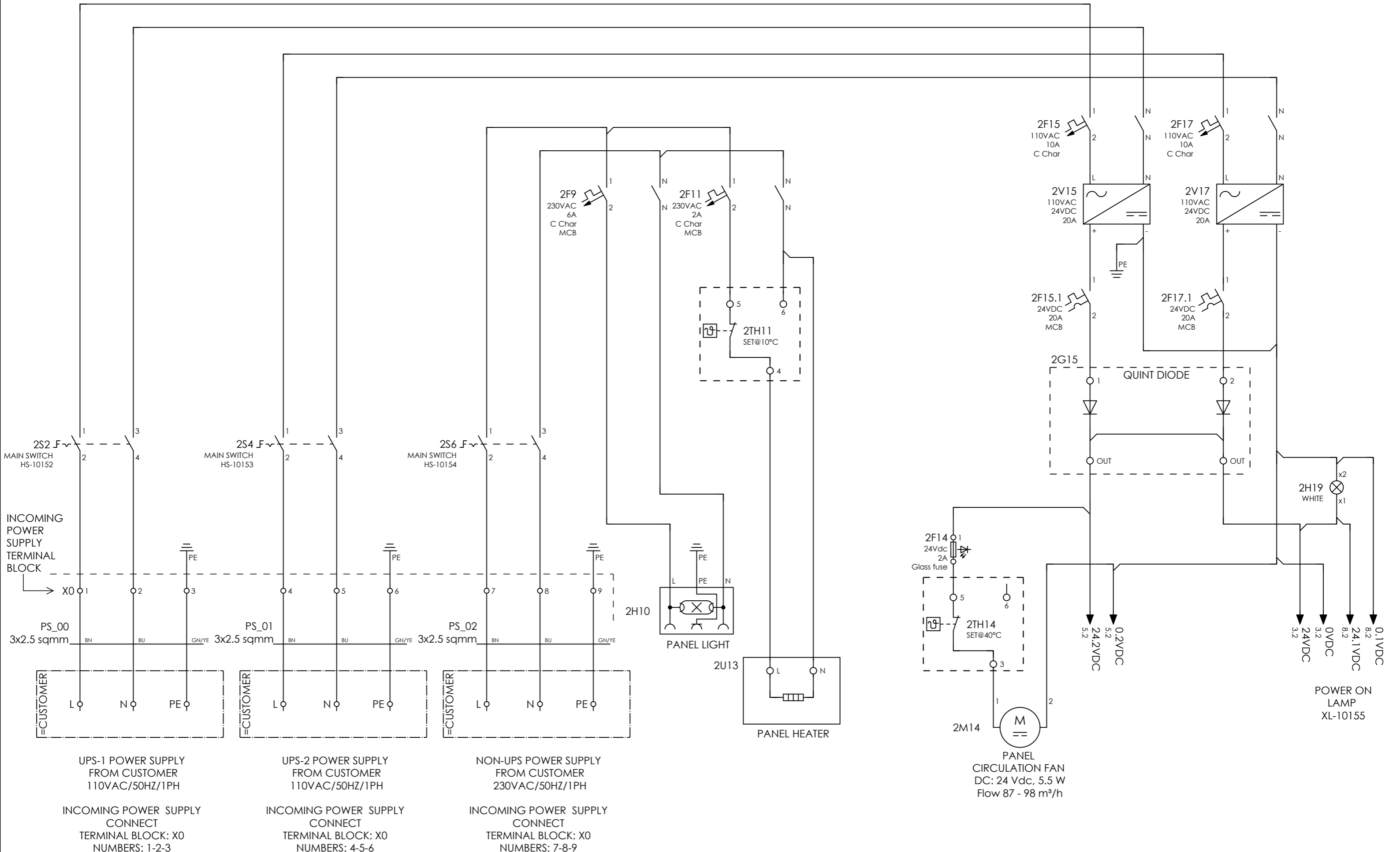
TERMINAL STRIP DEFINITION

UNIT CONTROL PANEL  
UCP-C1002-01

- X0 = POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER
- X1 = SOLENOIDS
- X2 = ANALOGUE INPUTS | OUTPUTS
- X4 = SERIAL COMMUNICATION MODBUS TCP/IP TO CUSTOMER
- X5 = CONNECTION PUSHBUTTONS / LAMPS
- X8 = SIGNALS TO / FROM DISTRIBUTION BOARD
- X9 = EMERGENCY SHUTDOWN
- X10 = SIGNALS TO ESD
- X11 = SIGNALS FROM FCS



|  |                          |                           |                                      |                        |           |                |
|--|--------------------------|---------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | TERMINAL STRIP DEFINITION |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
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|  |                          | CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 13        |                |



UPS-1 POWER SUPPLY FROM CUSTOMER  
110VAC/50HZ/1PH

UPS-2 POWER SUPPLY FROM CUSTOMER  
110VAC/50HZ/1PH

NON-UPS POWER SUPPLY FROM CUSTOMER  
230VAC/50HZ/1PH

INCOMING POWER SUPPLY CONNECT  
TERMINAL BLOCK: X0  
NUMBERS: 1-2-3

INCOMING POWER SUPPLY CONNECT  
TERMINAL BLOCK: X0  
NUMBERS: 4-5-6

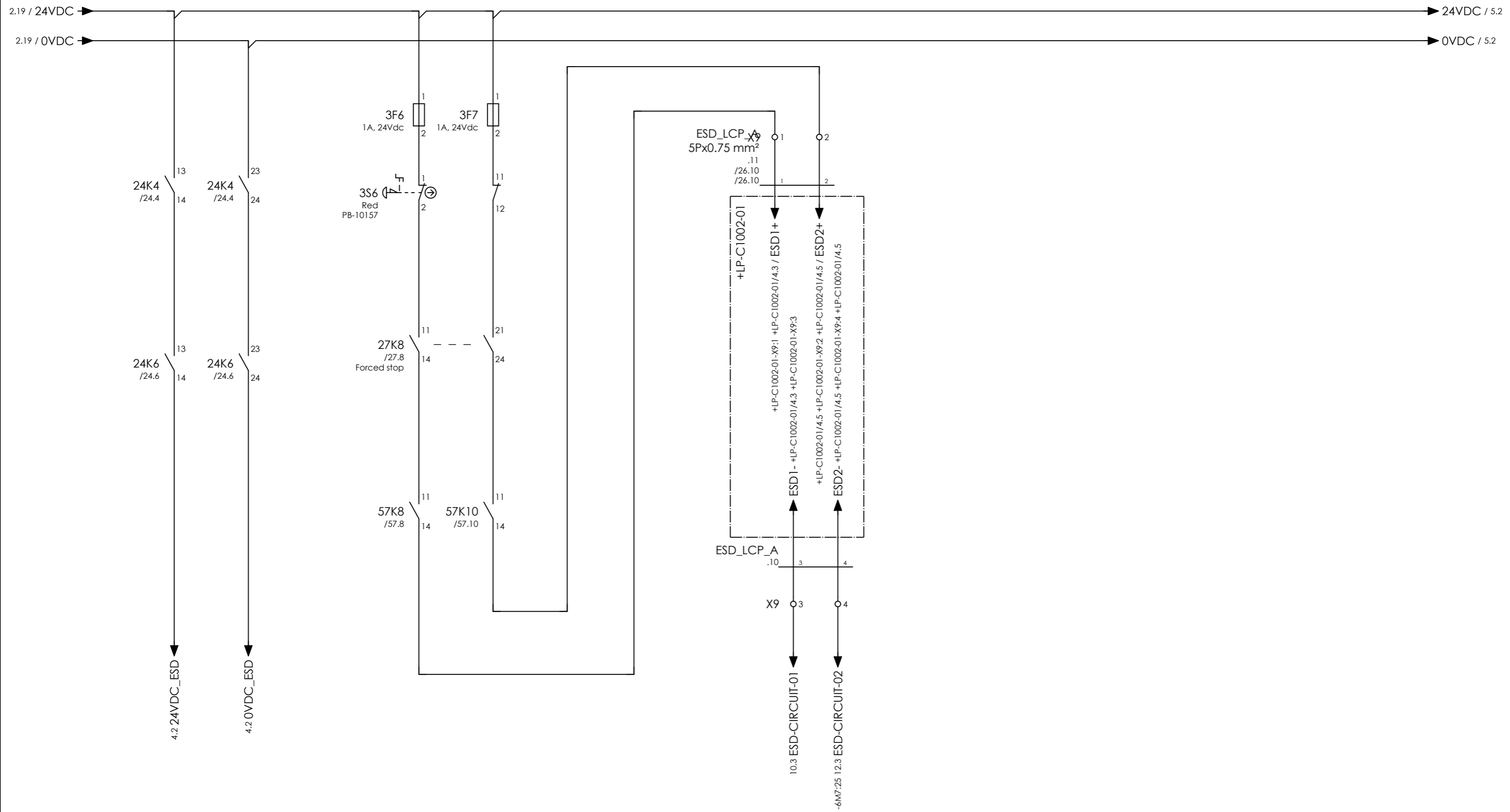
INCOMING POWER SUPPLY CONNECT  
TERMINAL BLOCK: X0  
NUMBERS: 7-8-9



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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| SUBJECT<br>POWER SUPPLY  |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 14        |                |



EMERGENCY SHUTDOWN RELAY

EMERGENCY STOP BUTTON ON PANEL PB-10157

COMPRESSOR A ESD BUTTON LOCAL PB-10153

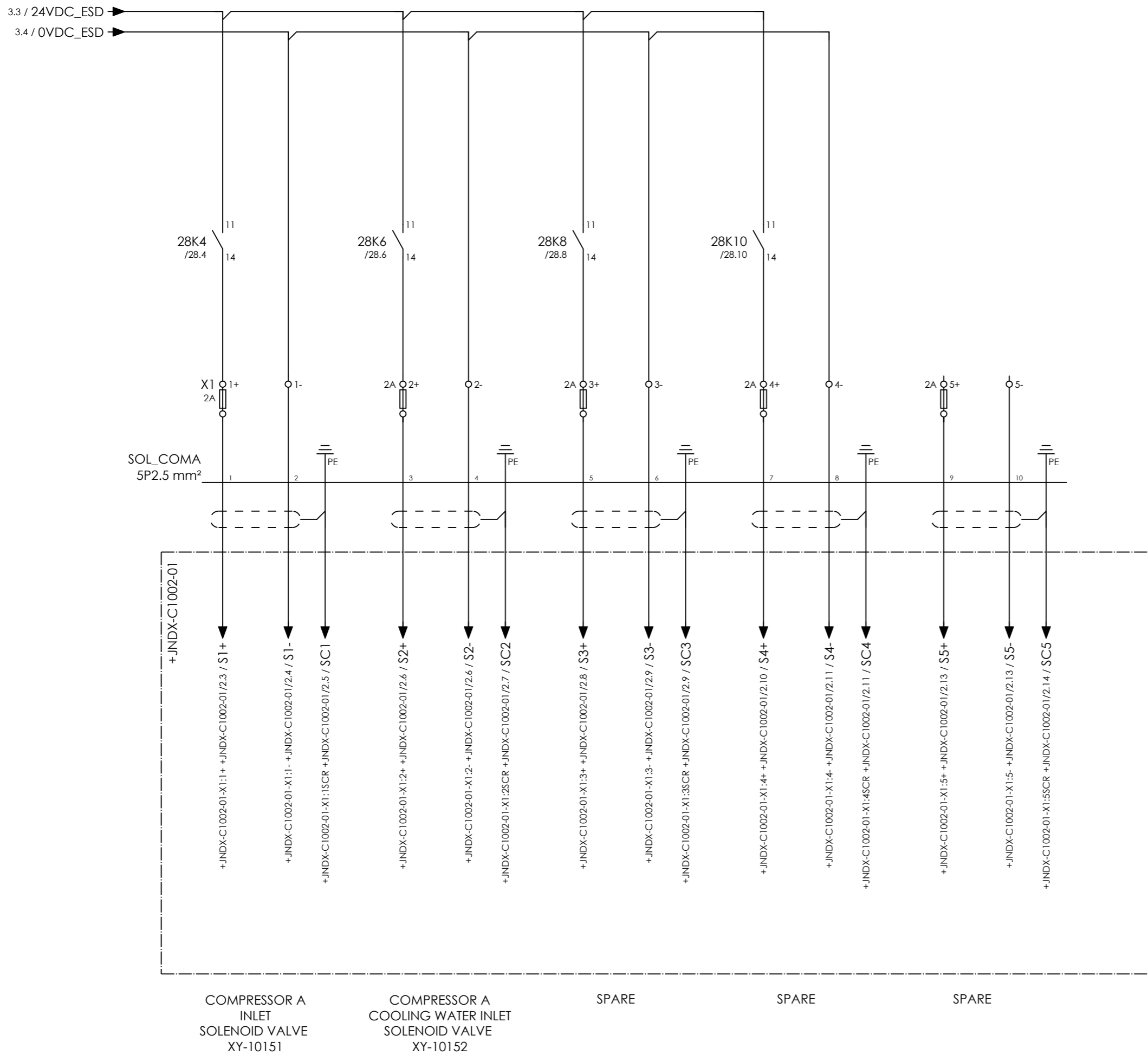


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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| SUBJECT<br>EMERGENCY SHUTDOWN |                                      |
| ADAPTED TO P&ID REVISION      | 05                                   |
| CLIENT                        | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                   | Bushehr MEG Plant Project            |
| AIRPACK REF.                  | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 15        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



COMPRESSOR A  
INLET  
SOLENOID VALVE  
XY-10151

COMPRESSOR A  
COOLING WATER INLET  
SOLENOID VALVE  
XY-10152

SPARE

SPARE

SPARE

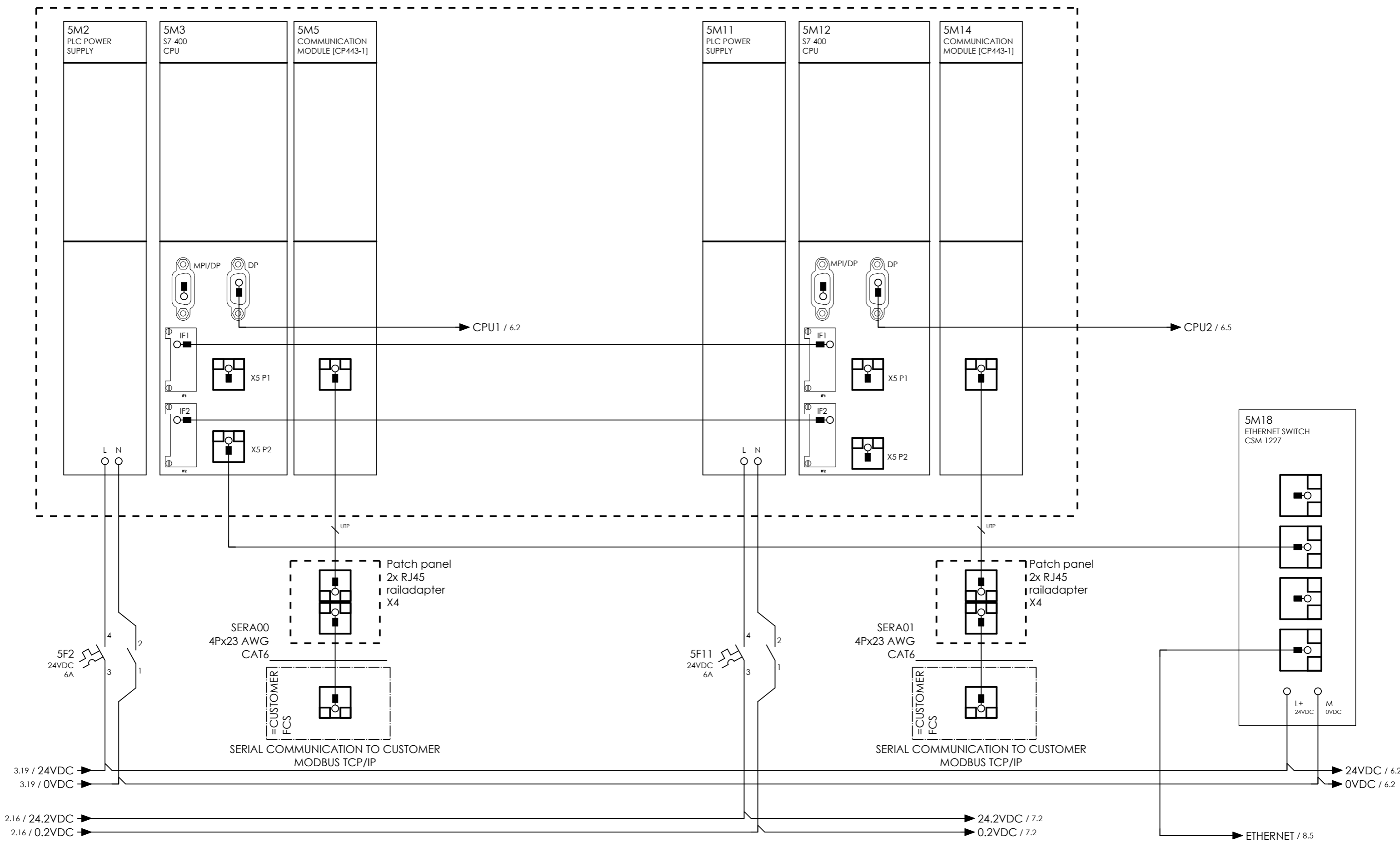


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT<br>SOLENOIDS     |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 16        |

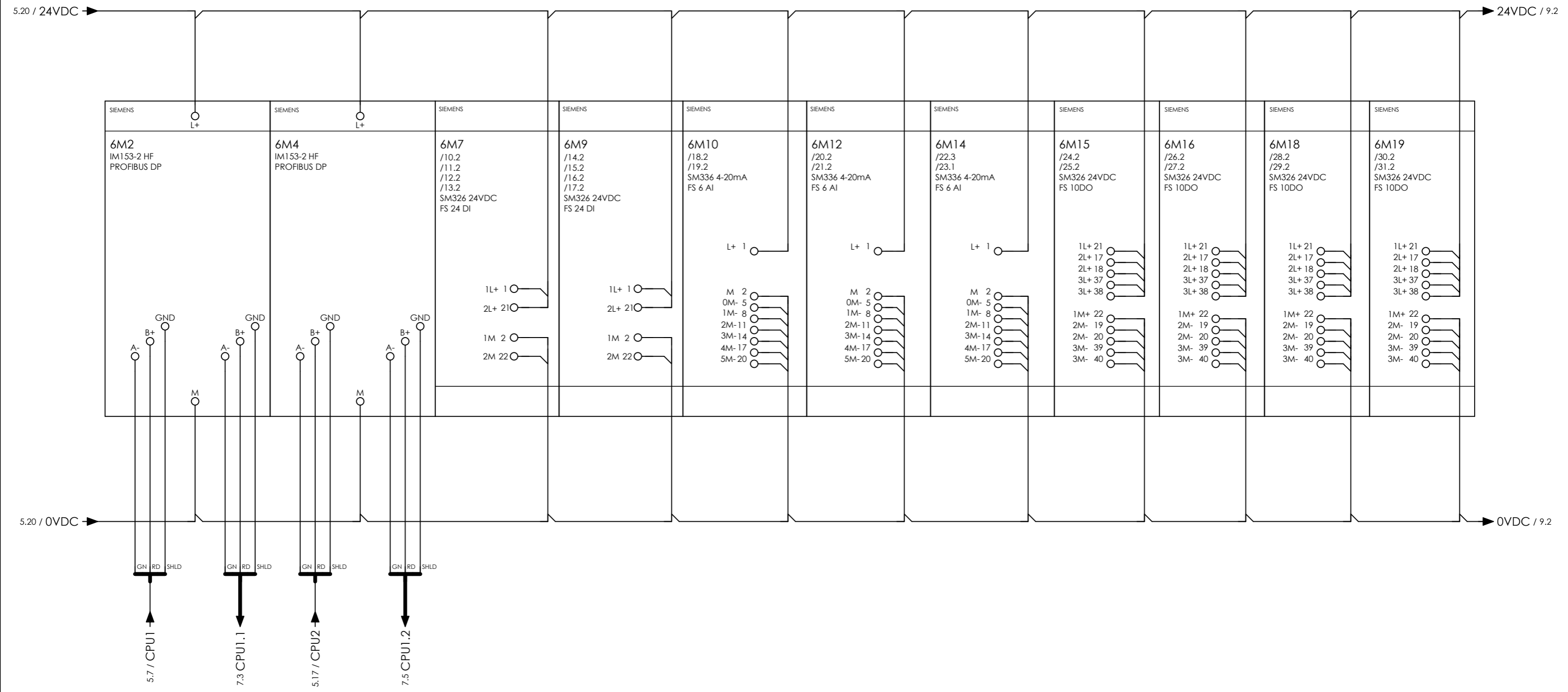
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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT<br>PLC LAYOUT    |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
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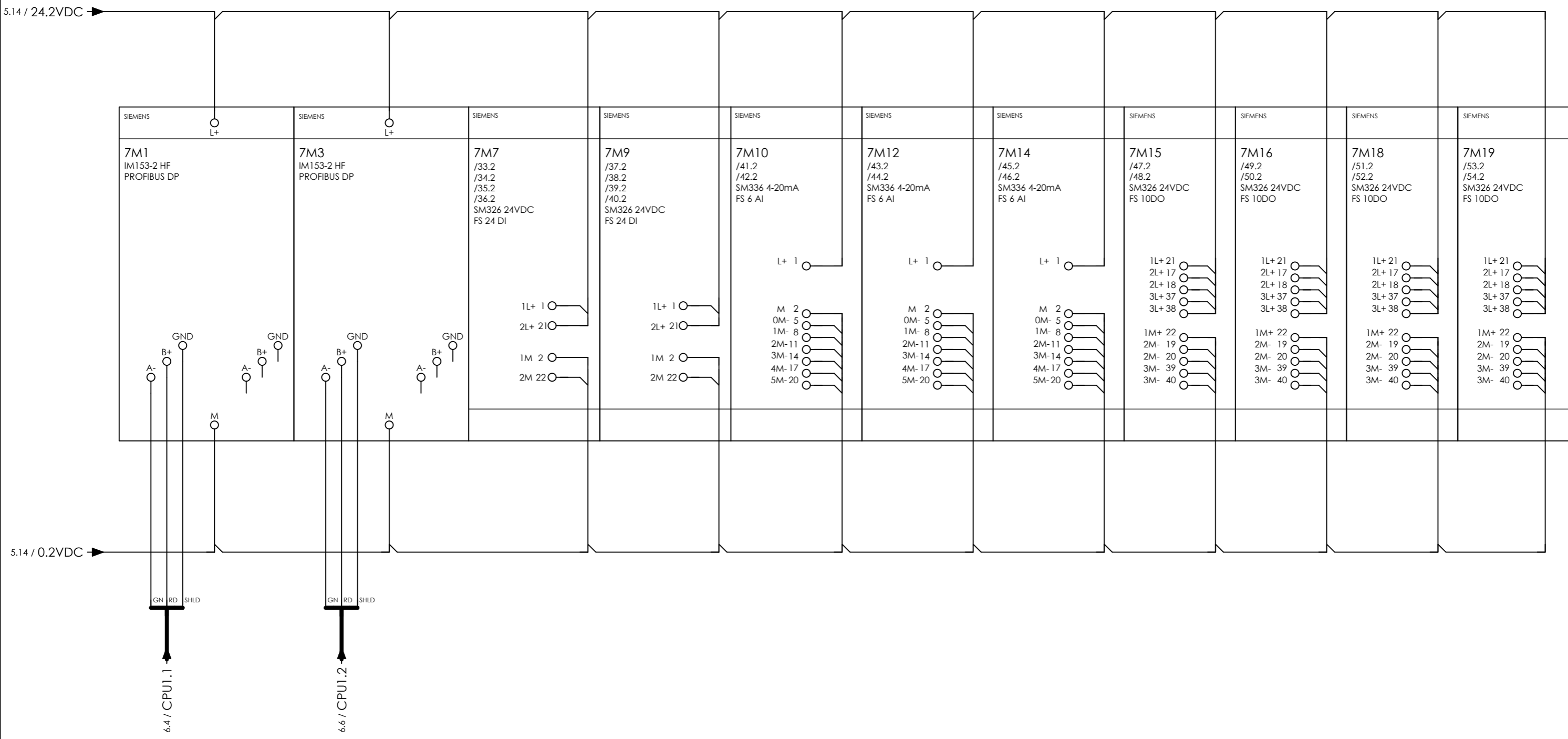


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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT<br>IO RACK I     |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 18        |

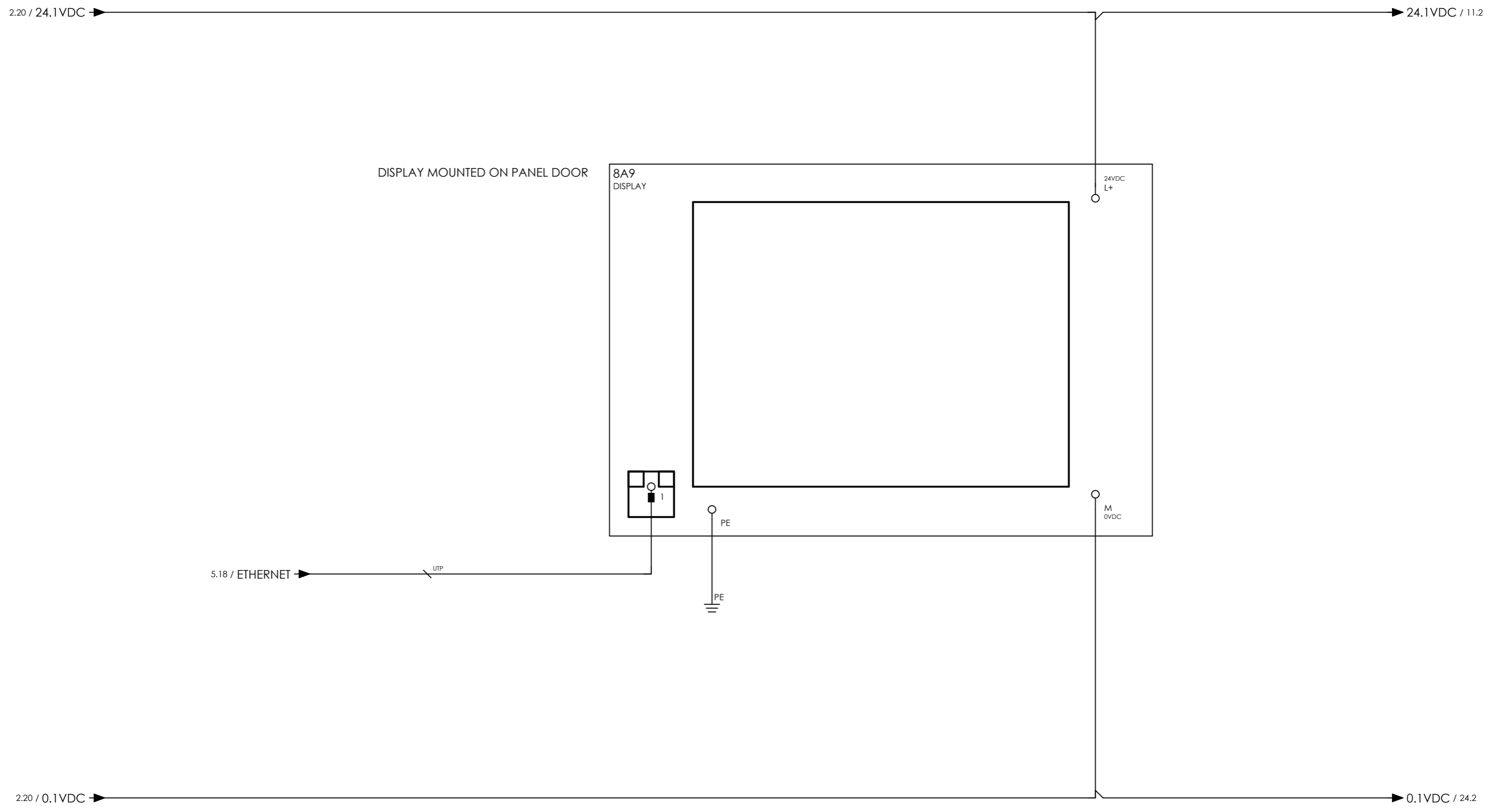
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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT<br>IO RACK II    |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 19        |                |



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

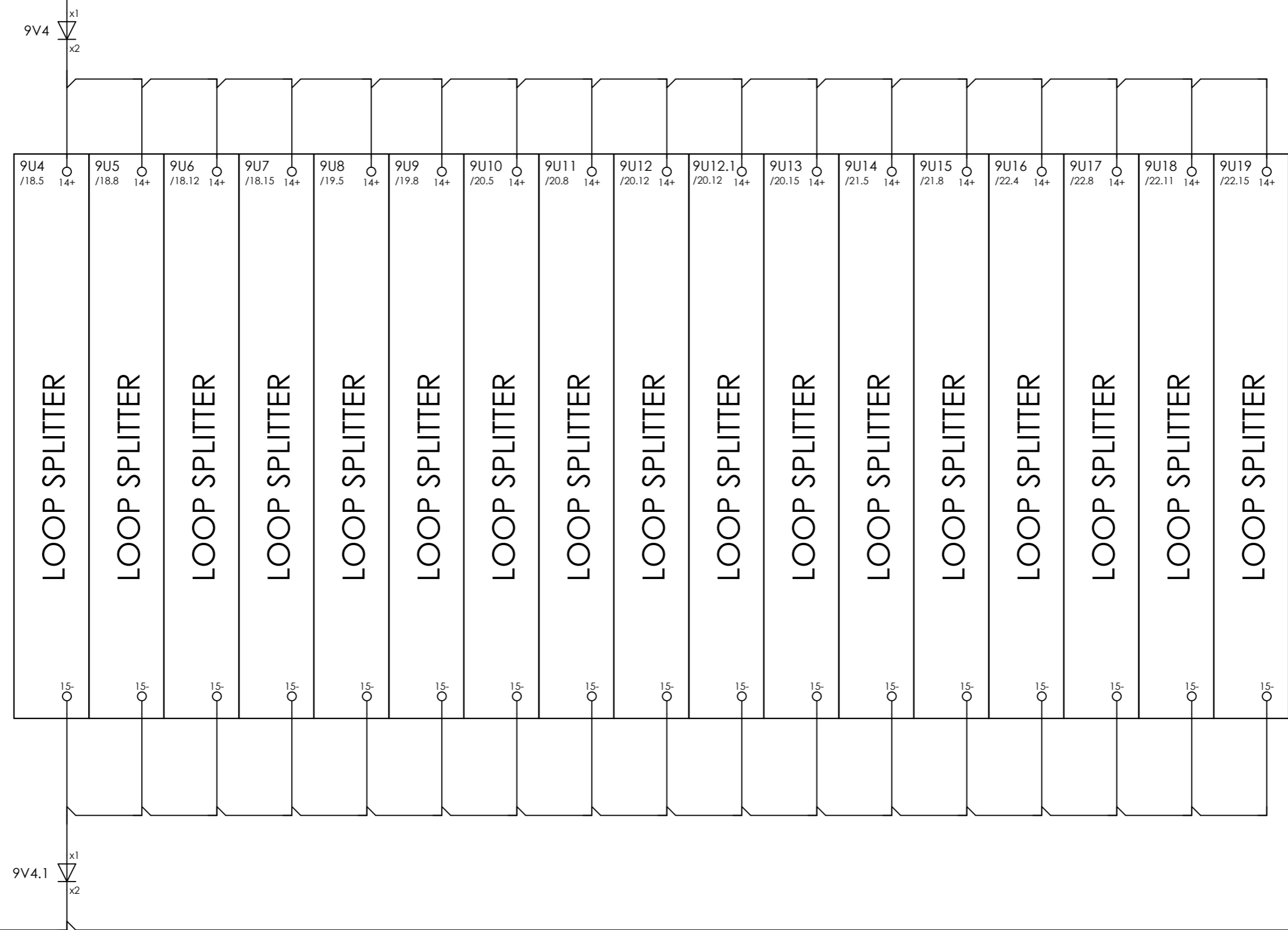
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| SUBJECT<br>DISPLAY       |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 20        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |

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6.19 / 24VDC → 24VDC / 14.3



6.19 / OVDC → OVDC / 26.2



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

|                           |                                      |
|---------------------------|--------------------------------------|
| SUBJECT<br>LOOP SPLITTERS |                                      |
| ADAPTED TO P&ID REVISION  | 05                                   |
| CLIENT                    | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.               | Bushehr MEG Plant Project            |
| AIRPACK REF.              | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 21        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |

3.11  
ESD-CIRCUIT-01

D10.0  
33.4



ESD CIRCUIT 1

SPARE

SPARE

SPARE

SPARE

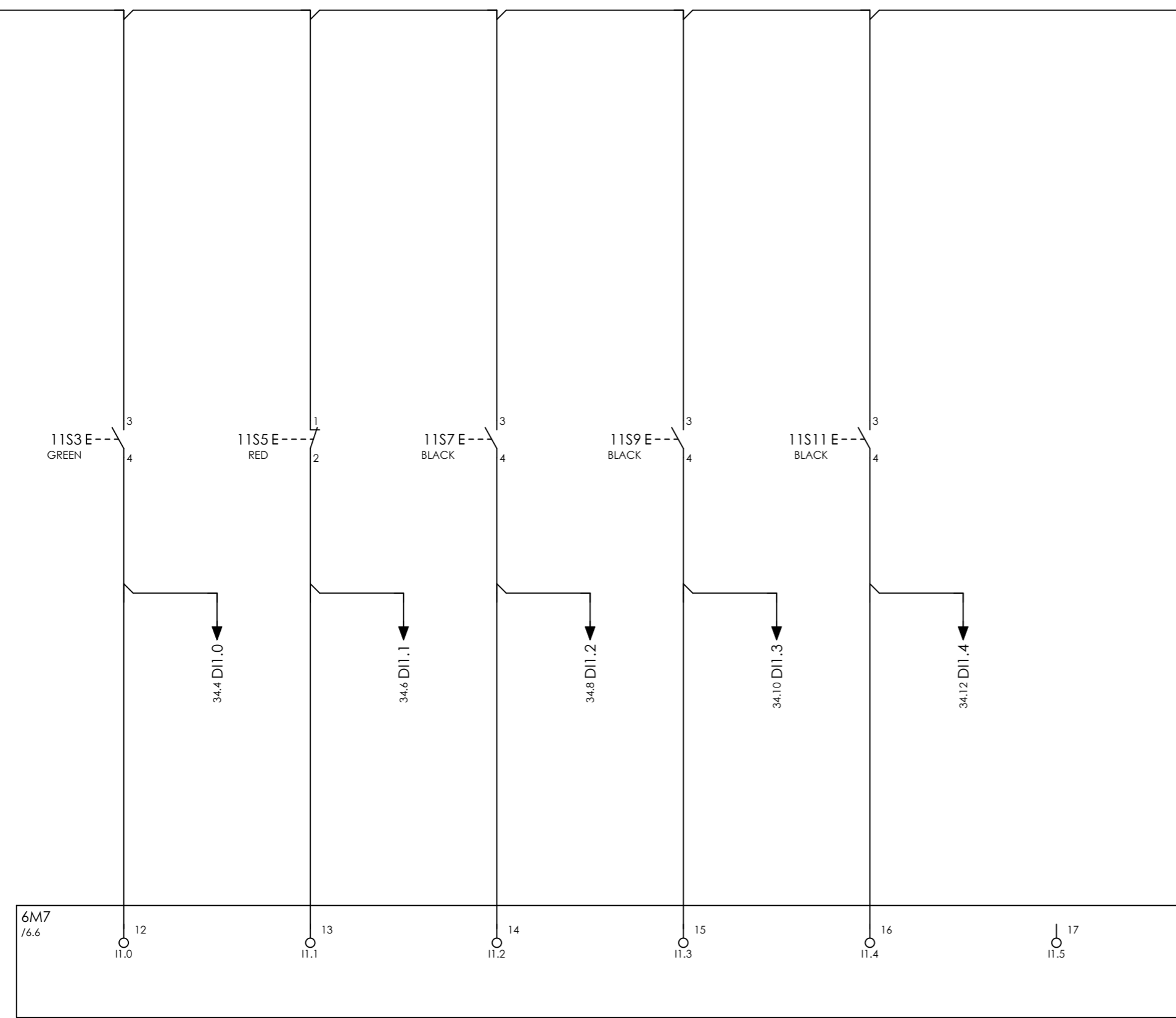
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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |                        |           |                |
|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL INPUTS I [6M7]   |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 22        |                |

8.19 / 24.1VDC → 24.1VDC / 13.2



COMPRESSOR A START PB-10155      COMPRESSOR A STOP PB-10156      COMPRESSOR A LAMPTEST PB-10158      COMPRESSOR A ACCEPT PB-10159      COMPRESSOR A RESET PB-10160      SPARE



|  |                          |                          |                                      |                        |           |                |
|--|--------------------------|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | DIGITAL INPUTS I [6M7]   |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          | CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
|  |                          | CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 23        |                |

3.11  
ESD-CIRCUIT-02

DI2.0  
35.4



ESD CIRCUIT 2

SPARE

SPARE

SPARE

SPARE

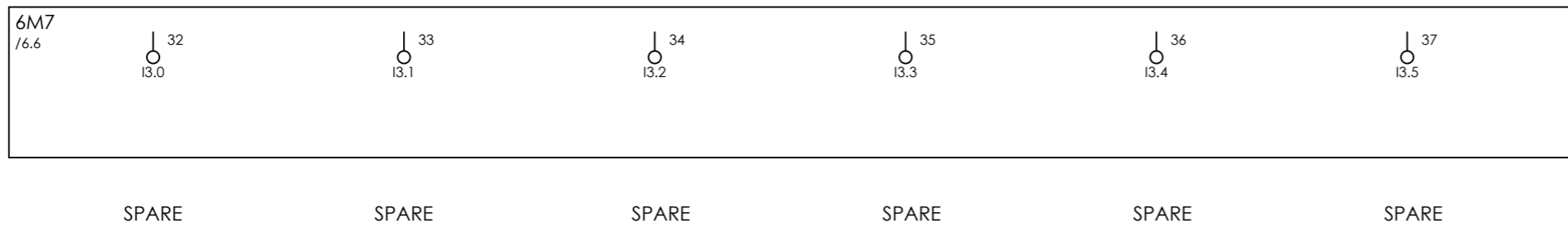
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|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL INPUTS I [6M7]   |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 24        |                |

11.19 / 24.1VDC → 24.1VDC /

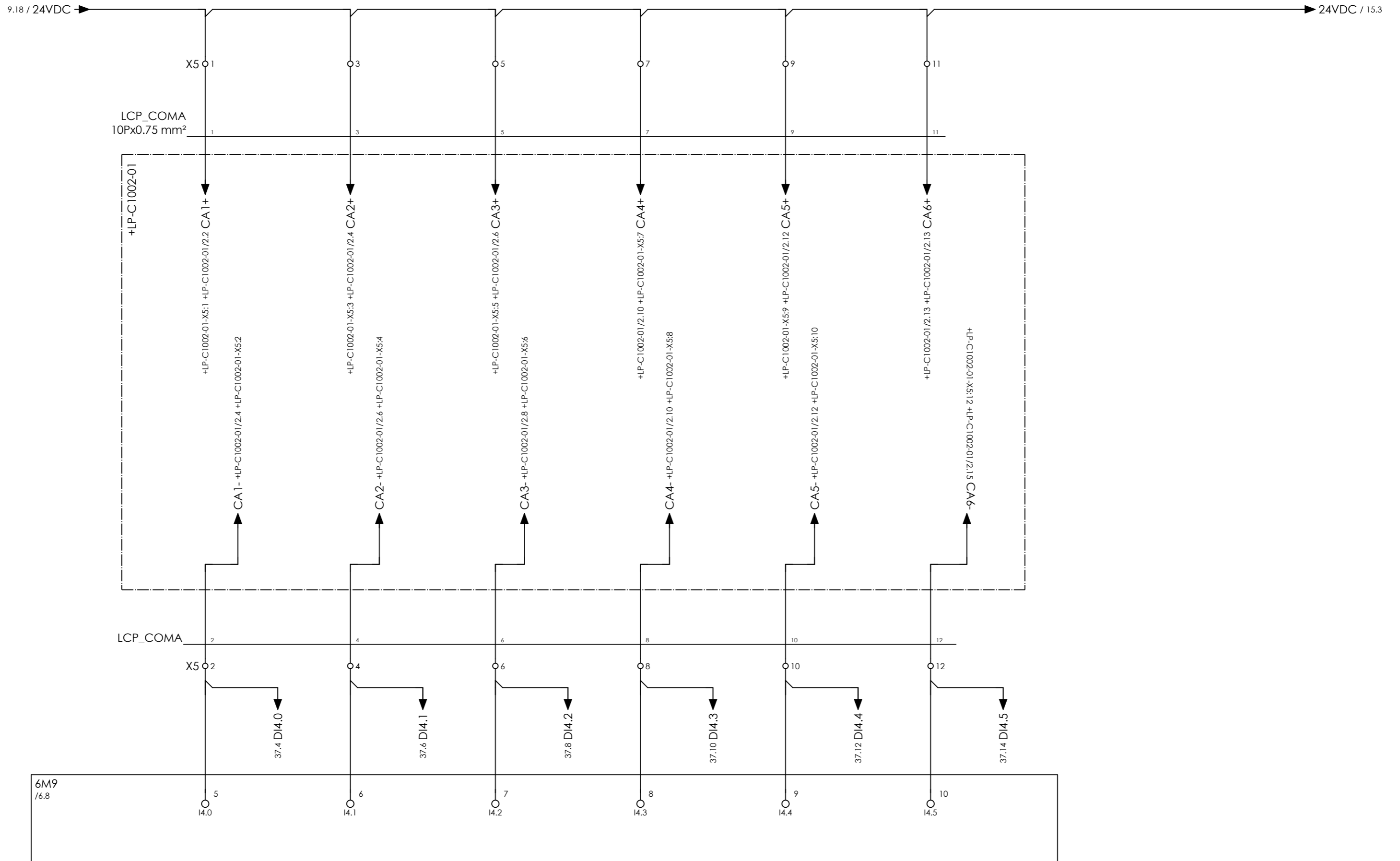


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS I [6M7] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 25        |

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|----------------|
| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



COMPRESSOR A  
START  
PB-10151

COMPRESSOR A  
STOP  
PB-10152

COMPRESSOR A  
LAMPTEST  
PB-10154

COMPRESSOR A  
LOCAL  
HS-10151

COMPRESSOR A  
REMOTE  
HS-10151

SPARE

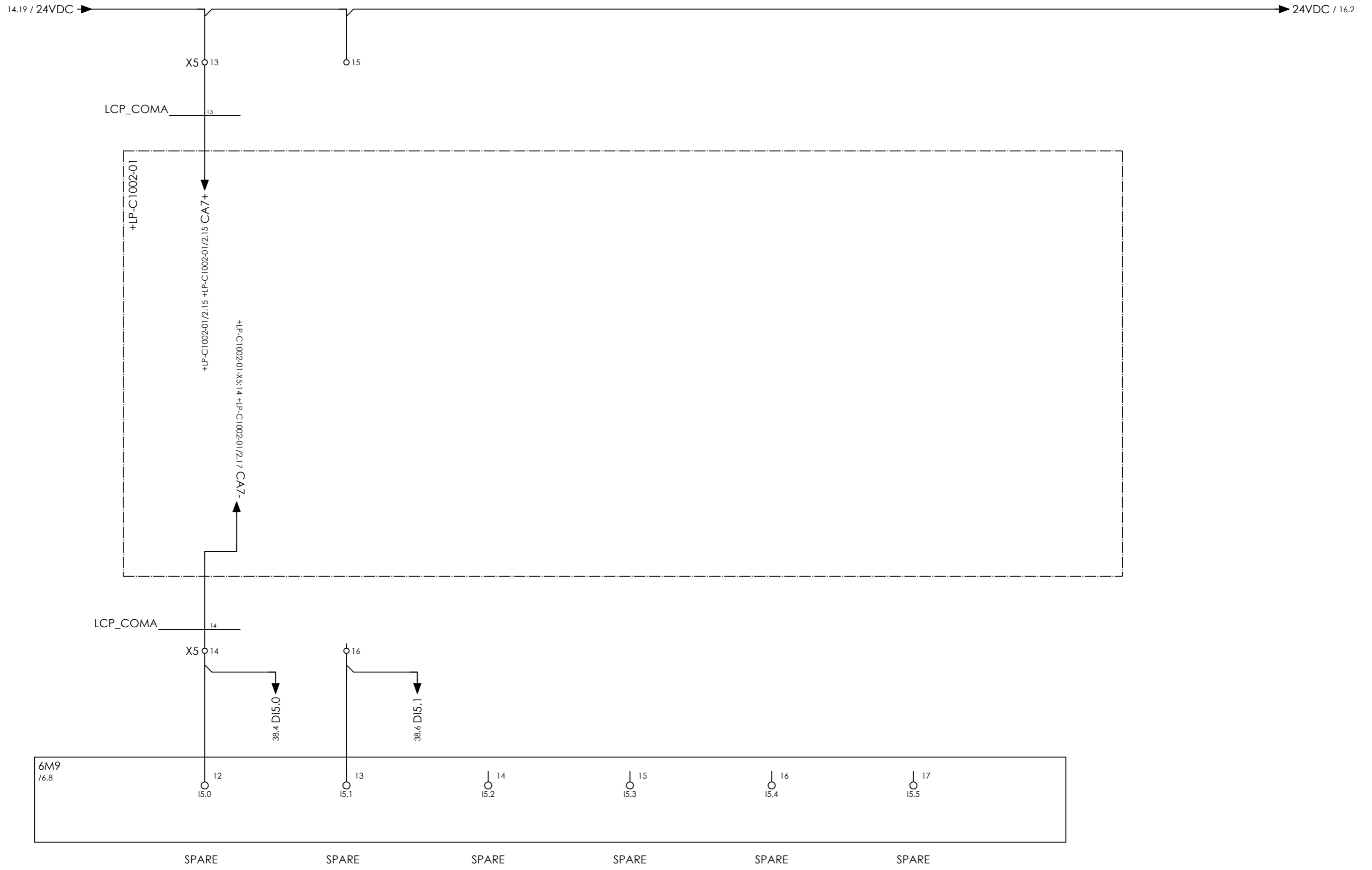


|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS I [6M9] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 26        |                |



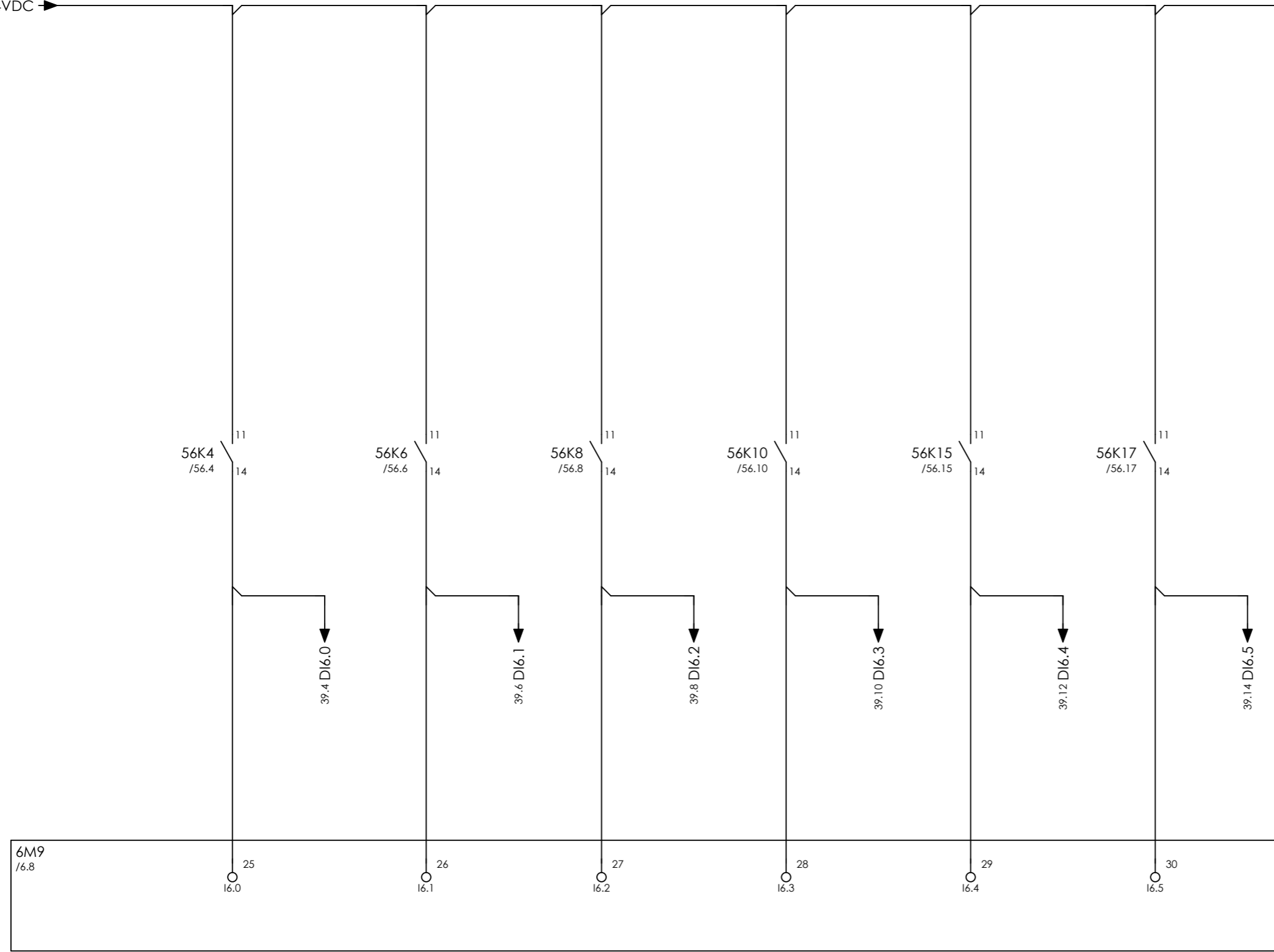
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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|                          |                                      |                        |           |
|--------------------------|--------------------------------------|------------------------|-----------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      |
| DIGITAL INPUTS I [6M9]   |                                      | CHECKED BY             | RBE       |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 27        |

|                |  |
|----------------|--|
| = 20-C-1002    |  |
| + UCP-C1002-01 |  |
| CURRENT PAGE   |  |

15.19 / 24VDC → 24VDC / 17.3



COMPRESSOR A  
MAIN MOTOR 20-C-1002-M  
RUNNING  
XL-10124

COMPRESSOR A  
MAIN MOTOR 20-C-1002-M  
FAULT  
YAL-10125

COMPRESSOR A  
OIL HEATER LG-10151  
RUNNING  
XL-10126

COMPRESSOR A  
OIL HEATER LG-10151  
FAULT  
YAL-10127

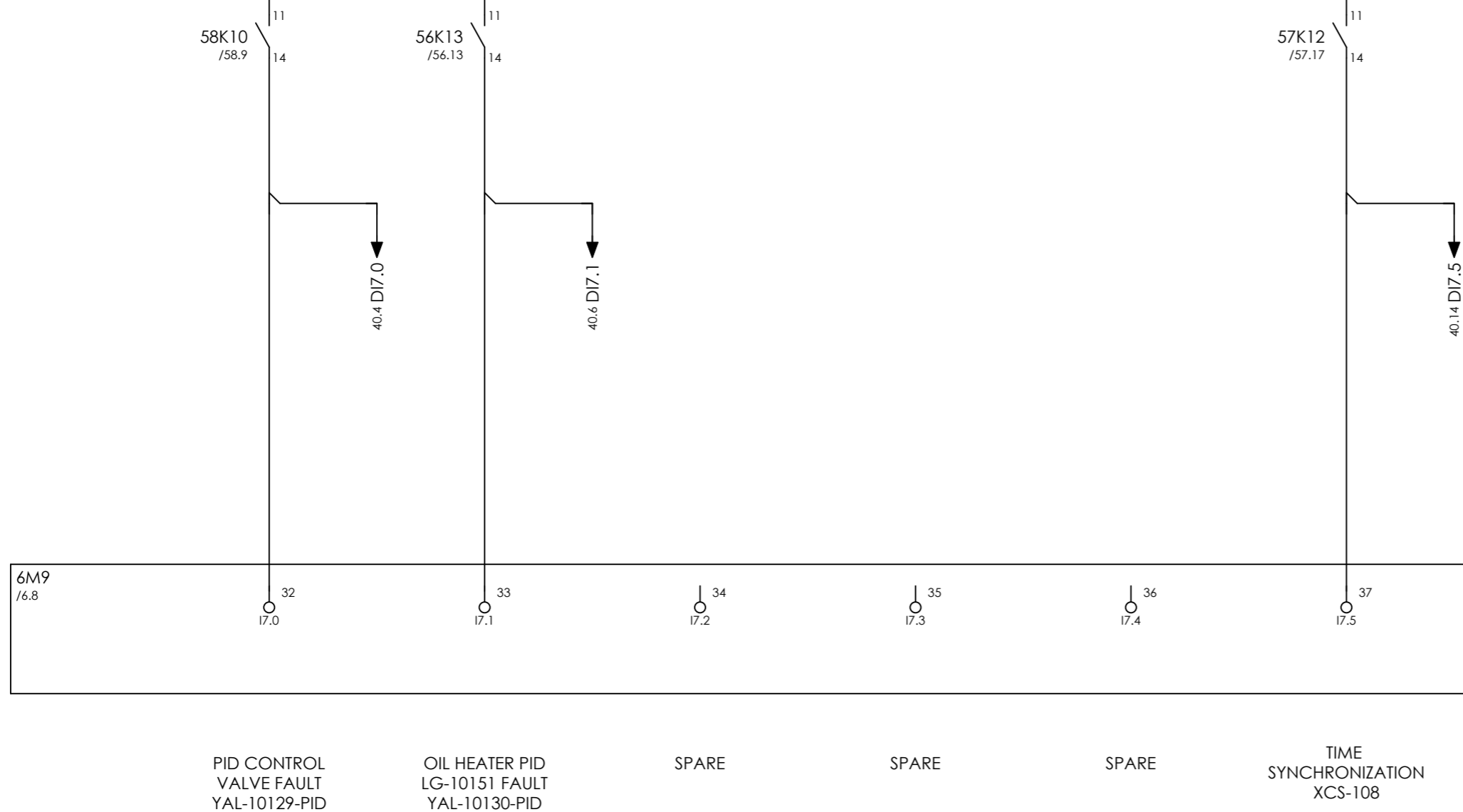
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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL INPUTS I [6M9]   |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 28        |                |

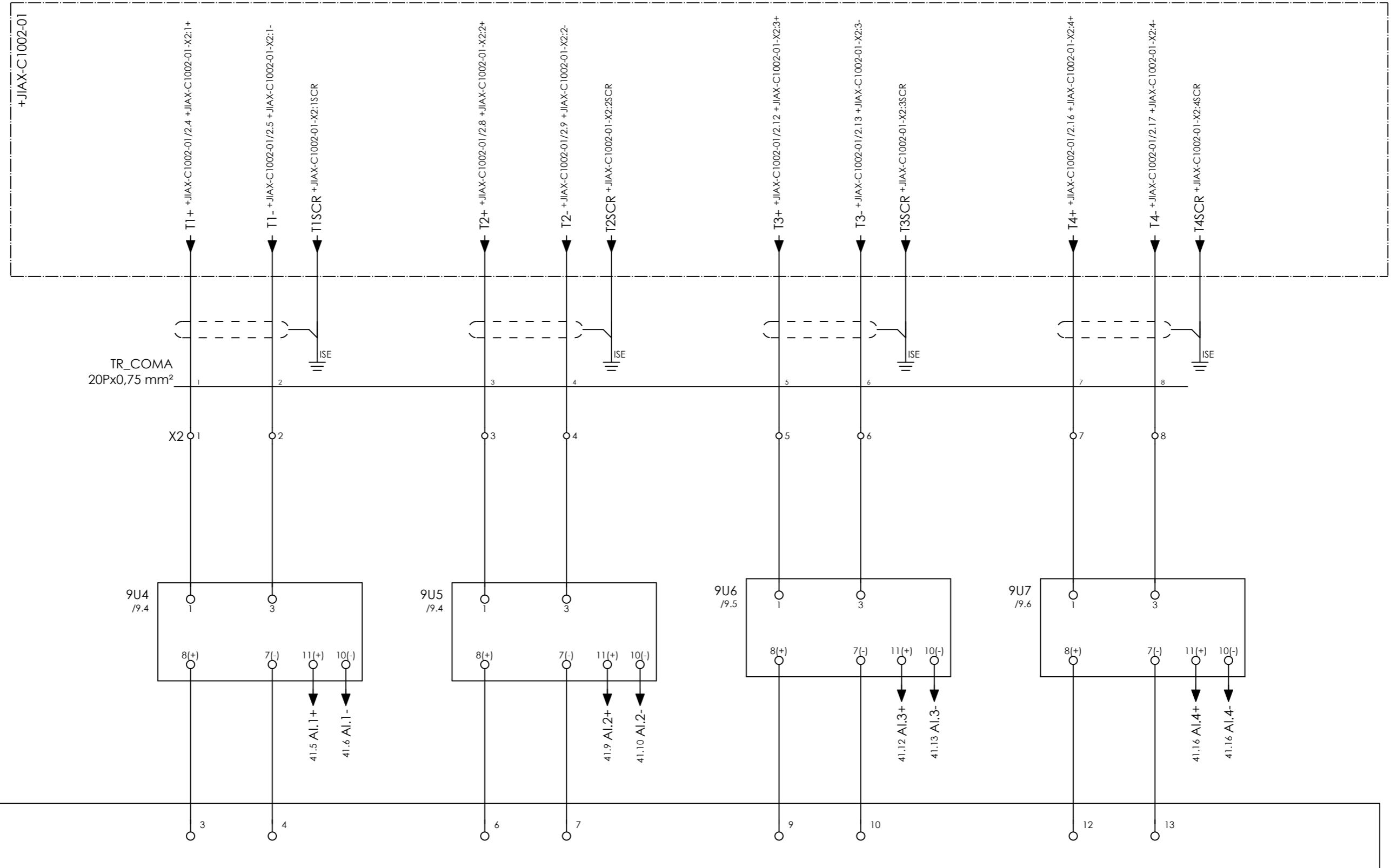


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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS I [6M9] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 29        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



COMPRESSOR A  
INLET PRESSURE  
PIT-10153

COMPRESSOR A  
OIL SYSTEM PRESSURE  
PIT-10154

COMPRESSOR A  
1ST DOWNSTREAM INTERCOOLER PRESSURE  
PIT-10157

COMPRESSOR A  
INLET TEMPERATURE  
TIT-10151

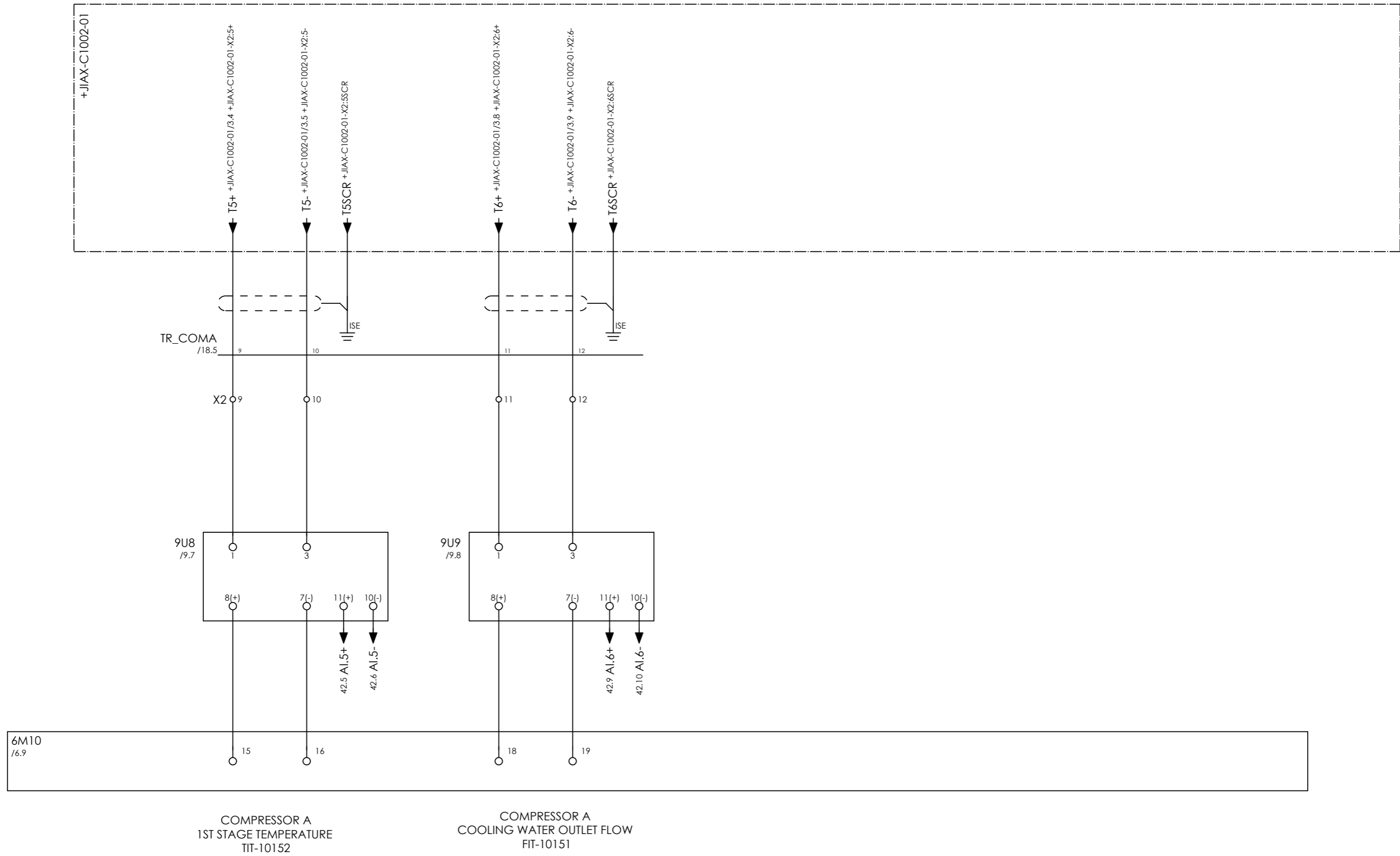


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|-----------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS I [6M10] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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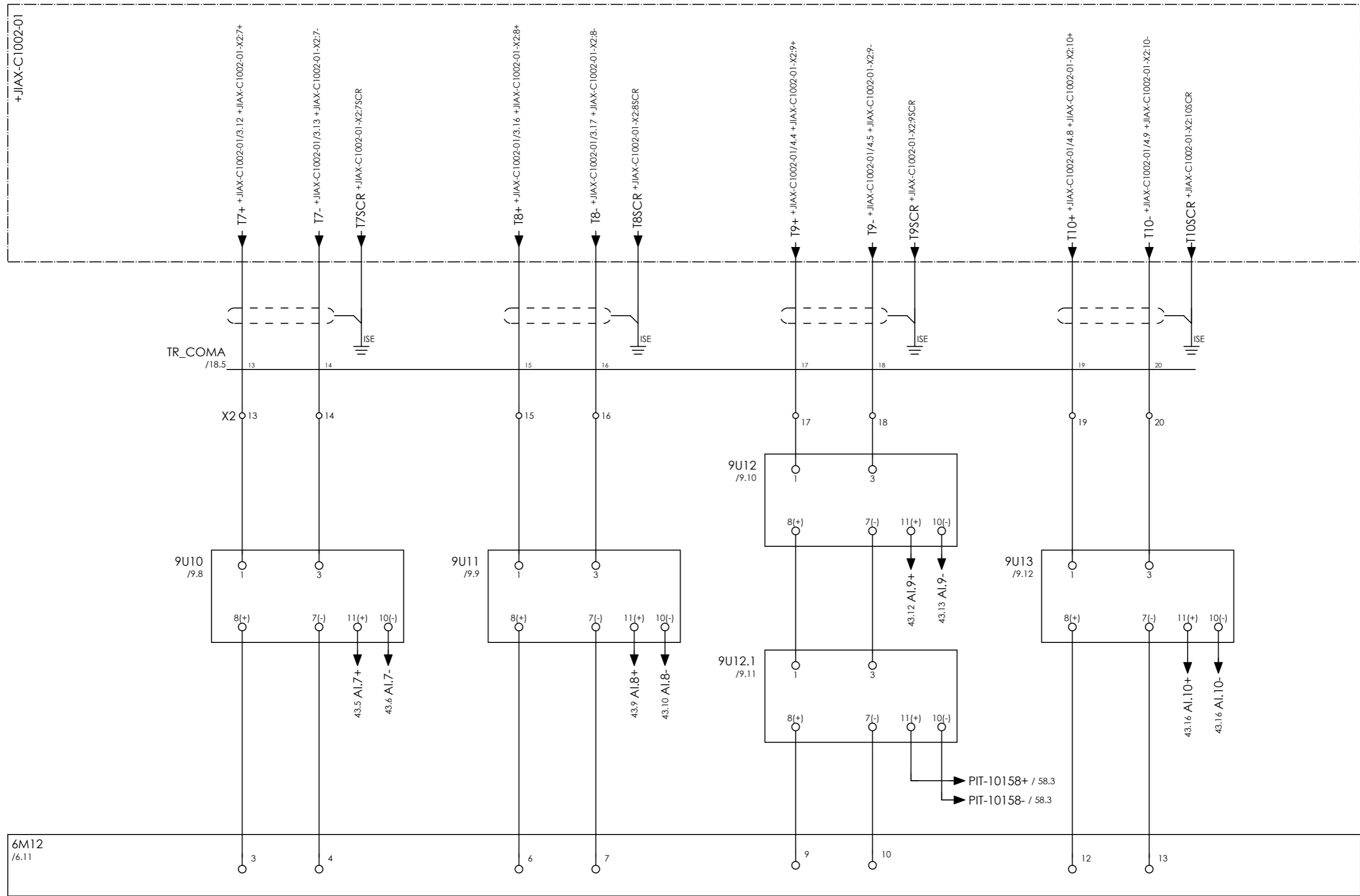


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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|-----------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS I [6M10] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 31        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



COMPRESSOR A  
VIBRATION LEVEL  
VT-10151

COMPRESSOR A  
1ST DOWNSTREAM INTERCOOLER PRESSURE  
PIT-10156

COMPRESSOR A  
OUTLET PRESSURE  
PIT-10158

COMPRESSOR A  
OUTLET PRESSURE  
PIT-10159

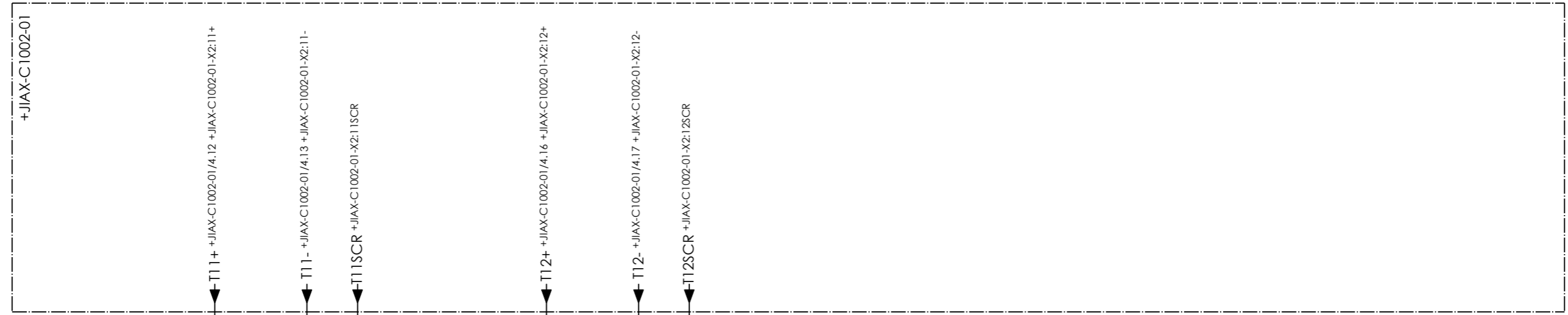


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS I [6M12] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 32        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |



TR\_COMA  
/18.5

9U14  
/9.12

9U15  
/9.13

6M12  
/6.11

COMPRESSOR A  
1ST STAGE TEMPERATURE  
TIT-10153

COMPRESSOR A  
1ST DOWNSTREAM INTERCOOLER  
TEMPERATURE  
TIT-10154

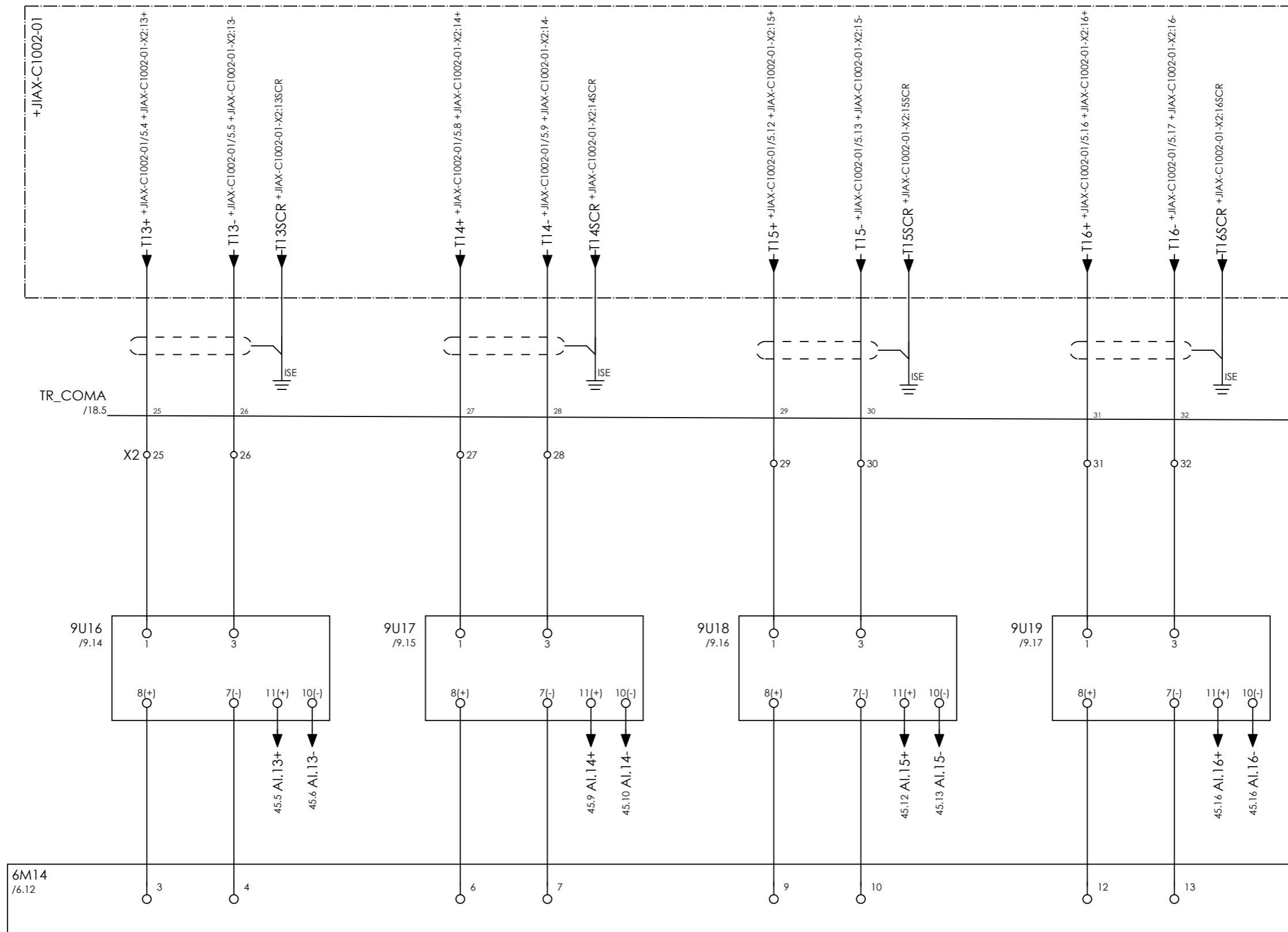


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS I [6M12] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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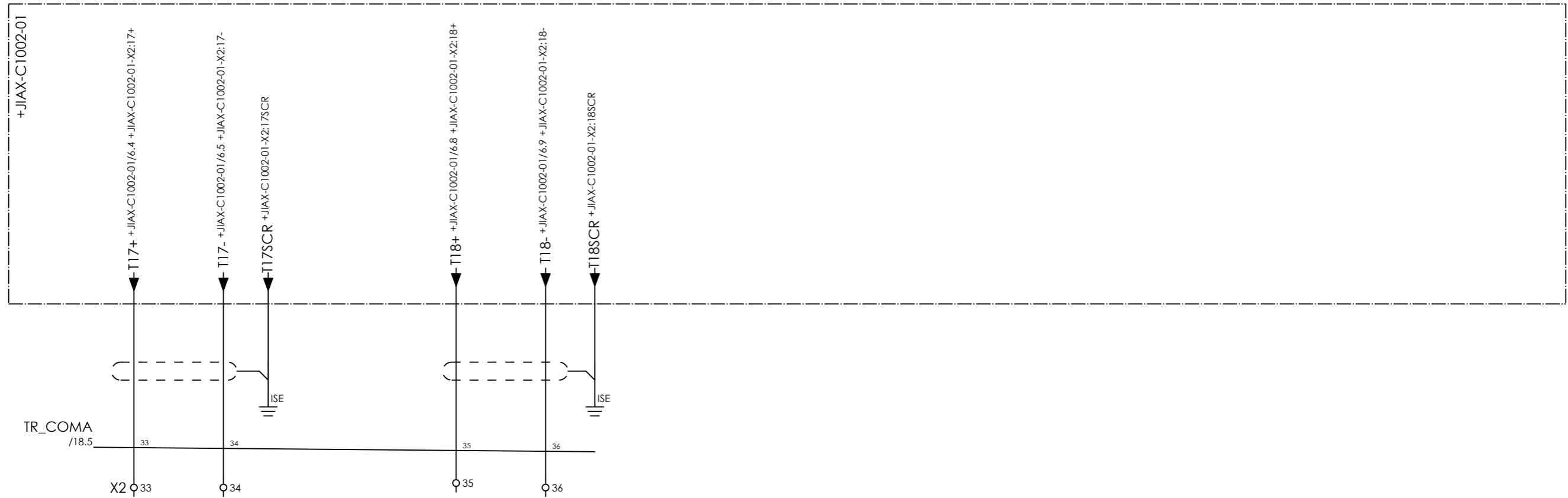


COMPRESSOR A  
2ND UPSTREAM INTERCOOLER  
TEMPERATURE  
TIT-10155

SPARE

SPARE

SPARE

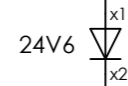
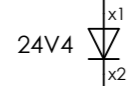
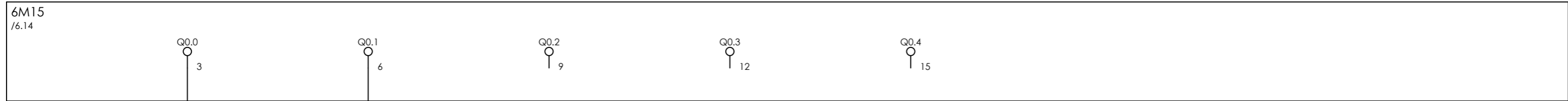


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS I [6M14] |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 35        |

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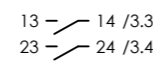
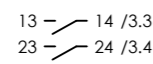
DOO.0 47.4

DOO.1 47.6



8.19 / 0.1VDC

0.1VDC / 25.2-25H4:x2



ESD RELAY 01

ESD RELAY 02

SPARE

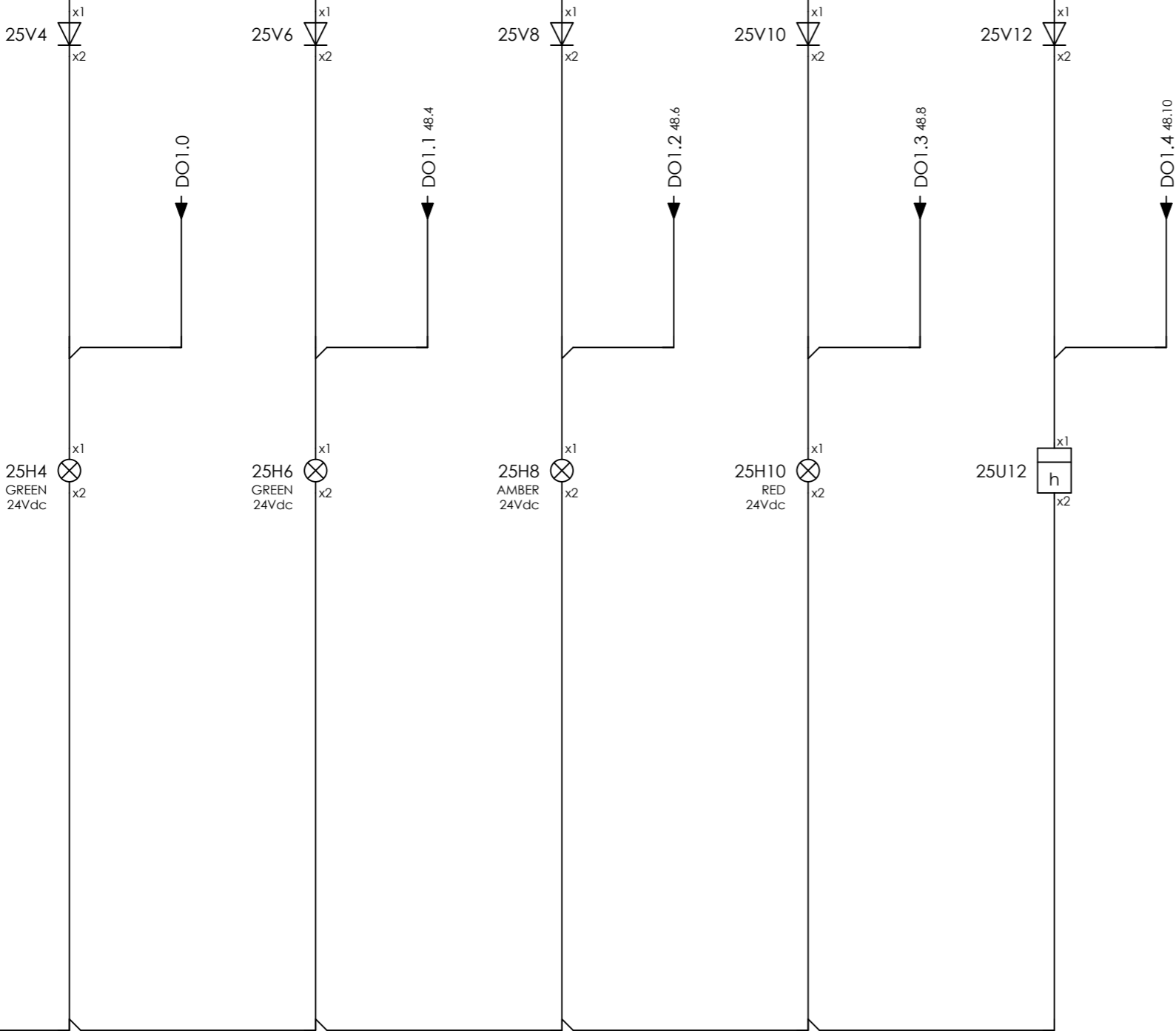
SPARE

SPARE



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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

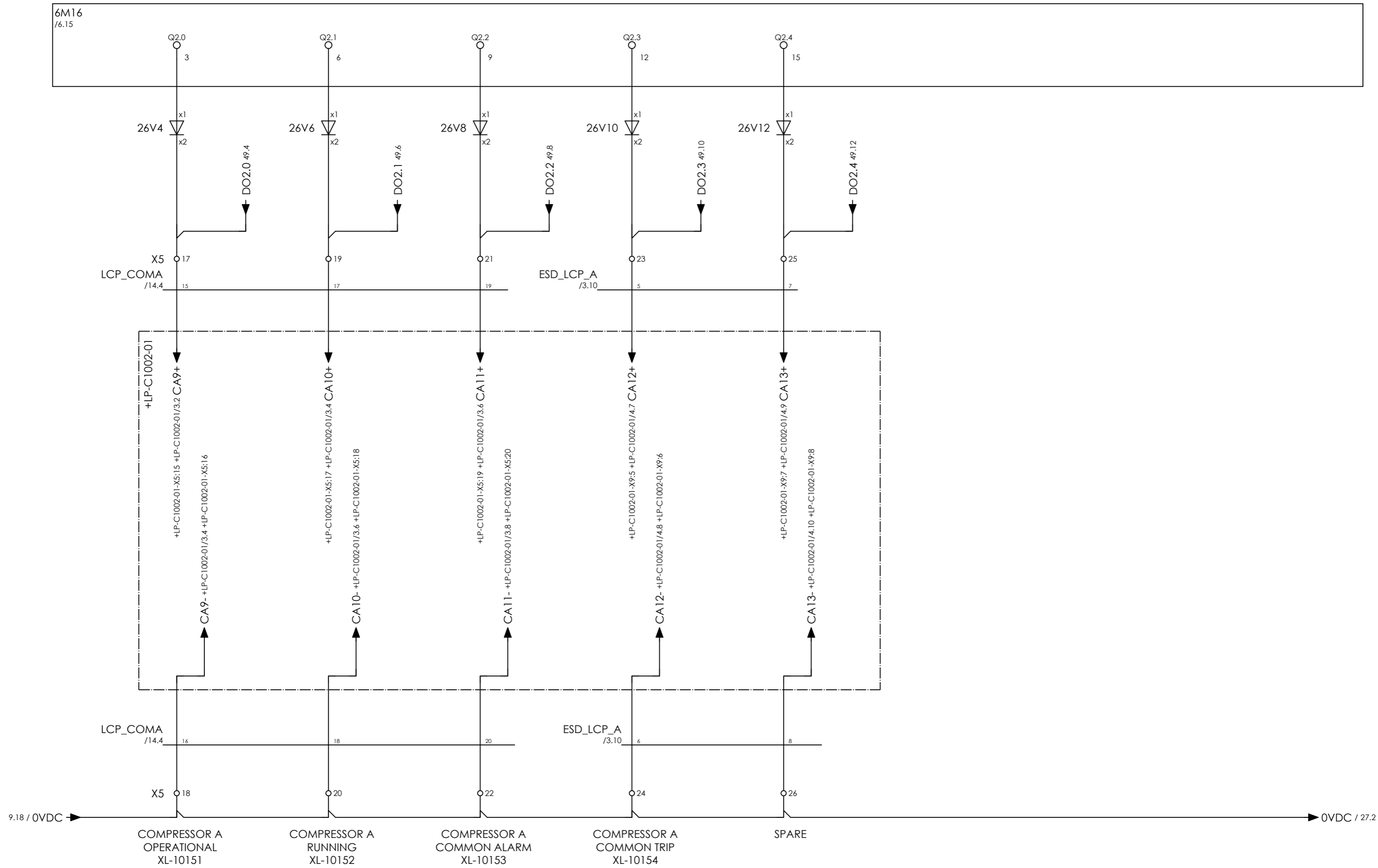
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| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL OUTPUTS I [6M15] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
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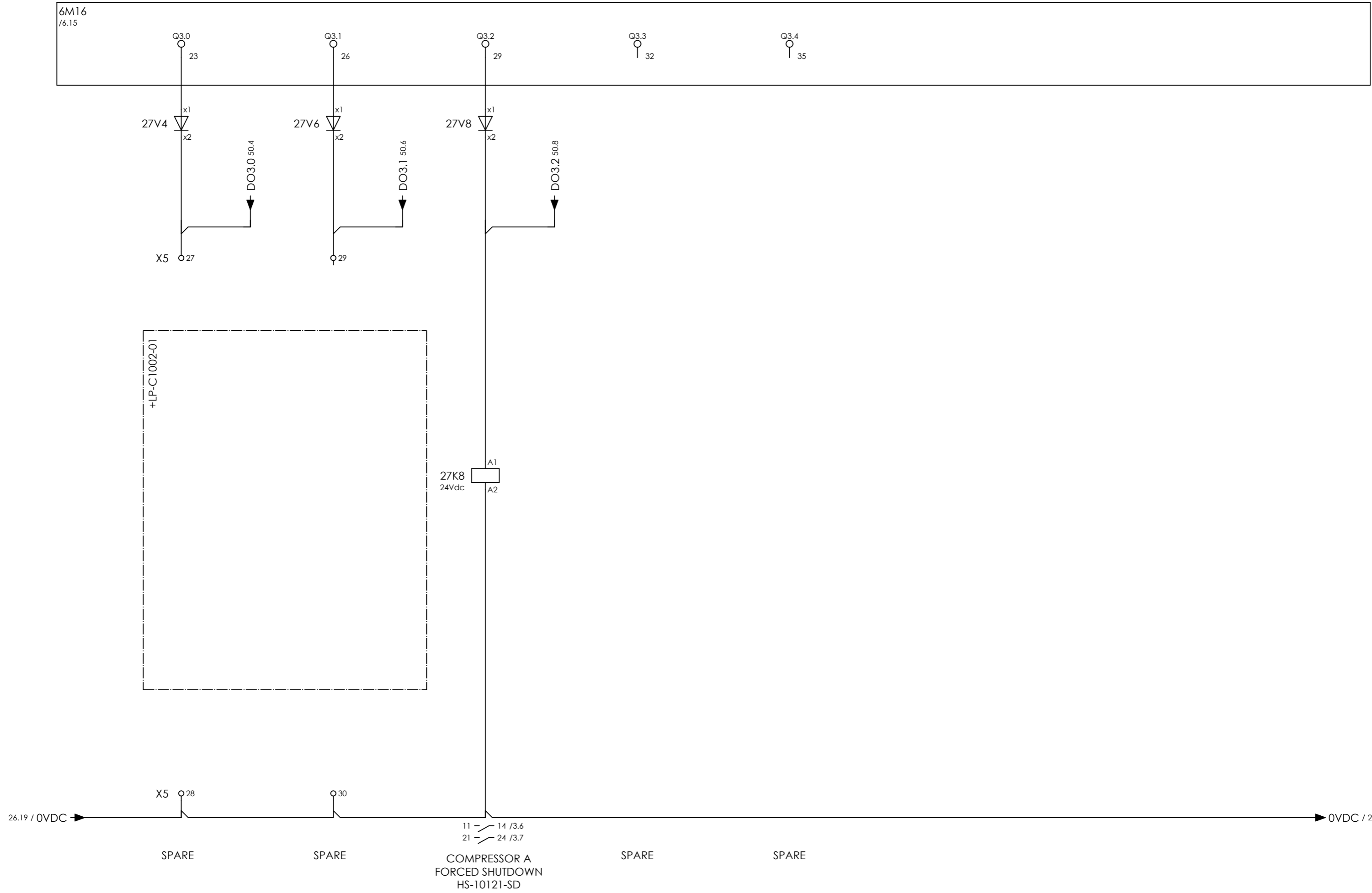


COMPRESSOR A OPERATIONAL XL-10156      COMPRESSOR A RUNNING XL-10157      COMPRESSOR A COMMON ALARM XL-10158      COMPRESSOR A COMMON TRIP XL-10159      COMPRESSOR A HOURMETER HM-10151



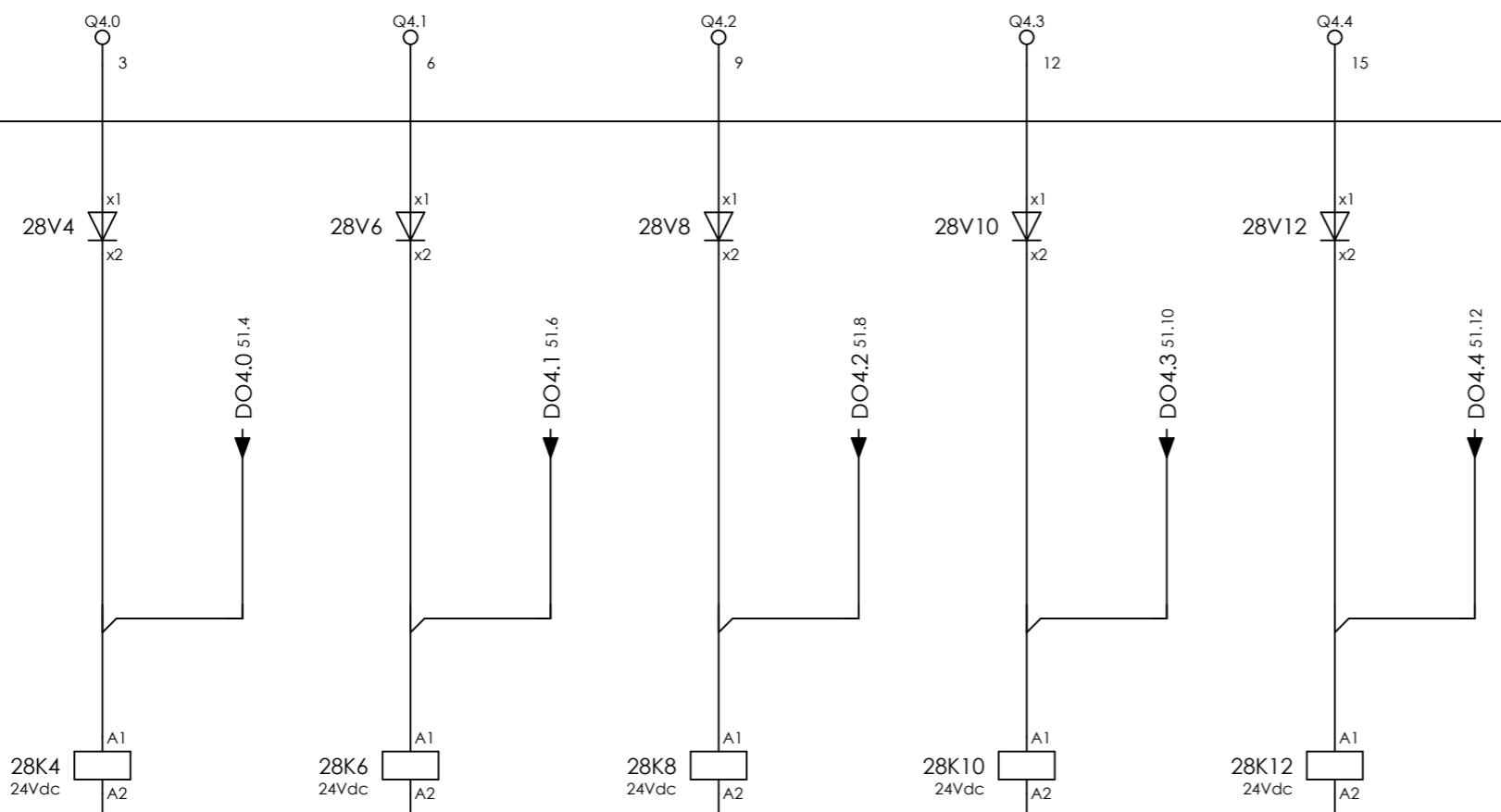
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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | DIGITAL OUTPUTS I [6M15] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          | CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
|  |                          | CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 37        |                |





|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL OUTPUTS I [6M16] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 39        |                |

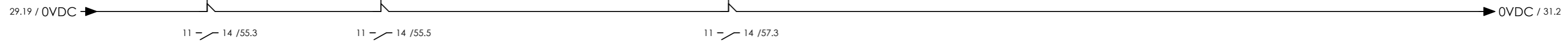
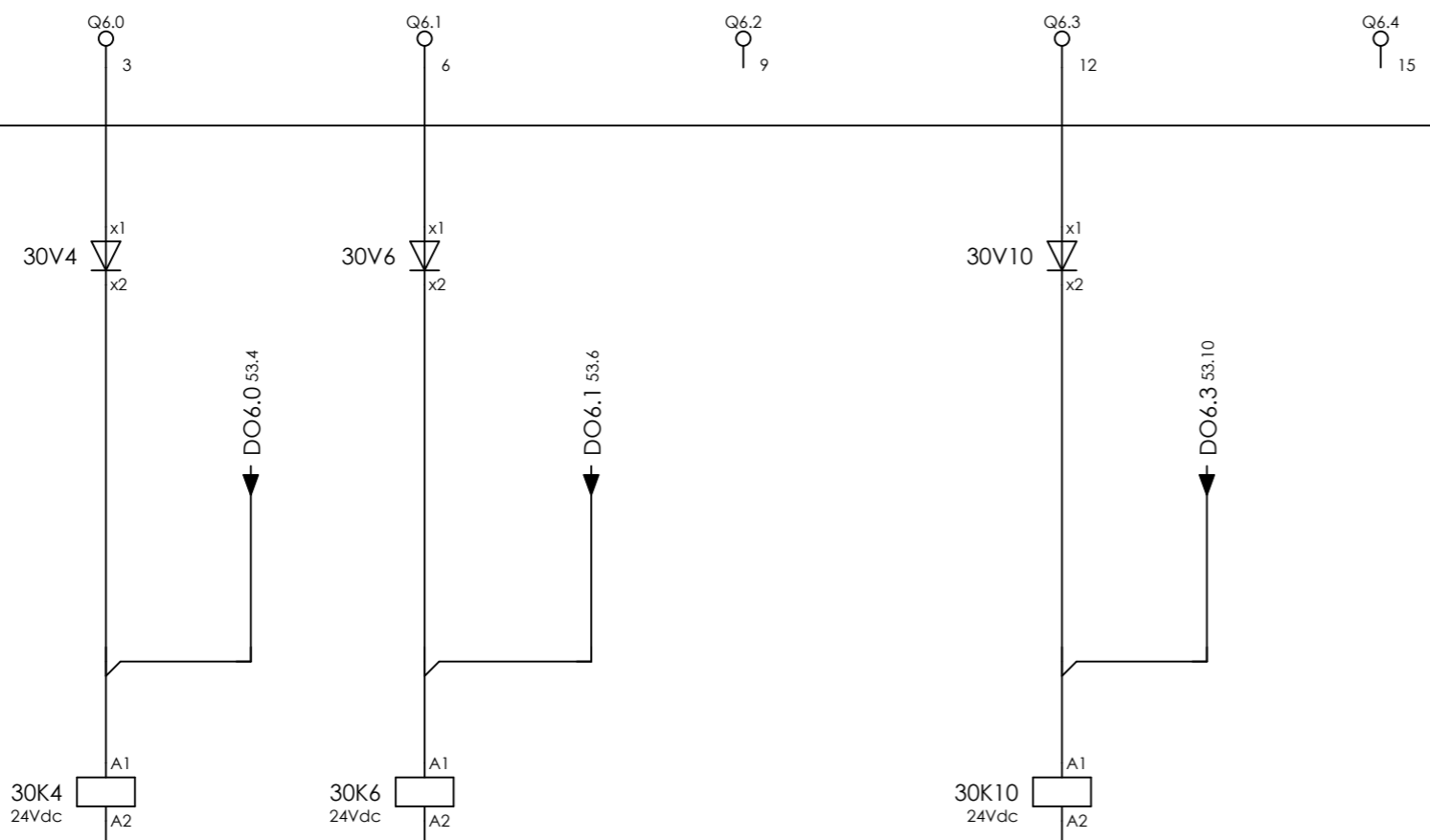


11 - 14 / 4.4 COMPRESSOR A SOLENOID VALVE XY-10151  
 11 - 14 / 4.6 COMPRESSOR A SOLENOID VALVE XY-10152  
 11 - 14 / 4.8 SPARE  
 11 - 14 / 4.10 SPARE  
 11 - 12 / 58.5 PID CONTROL ACTIVE XS-10128-PID



|  |                          |                          |                                      |                        |           |                |
|--|--------------------------|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | DIGITAL OUTPUTS I [6M18] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          | CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
|  |                          | CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 40        |                |





COMPRESSOR A  
MAIN MOTOR 20-M-1002  
START/STOP  
XS-10122-ST/SP

COMPRESSOR A  
OIL HEATER LG-10151  
ON/OFF  
XS-10123-ST/SP

SPARE

S/D STATUS  
XAL-108-2

SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS I [6M19] |                                      |
| ADAPTED TO P&ID REVISION            | 05                                   |
| CLIENT                              | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                         | Bushehr MEG Plant Project            |
| AIRPACK REF.                        | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 42        |

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| + UCP-C1002-01 |
| CURRENT PAGE   |

6M19  
/6.18

Q7.0  
23

Q7.1  
26

Q7.2  
29

Q7.3  
32

Q7.4  
35

30.19 / OVDC → → OVDC / 56.2

SPARE

SPARE

SPARE

SPARE

SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT                  |                                      |
| DIGITAL OUTPUTS I [6M19] |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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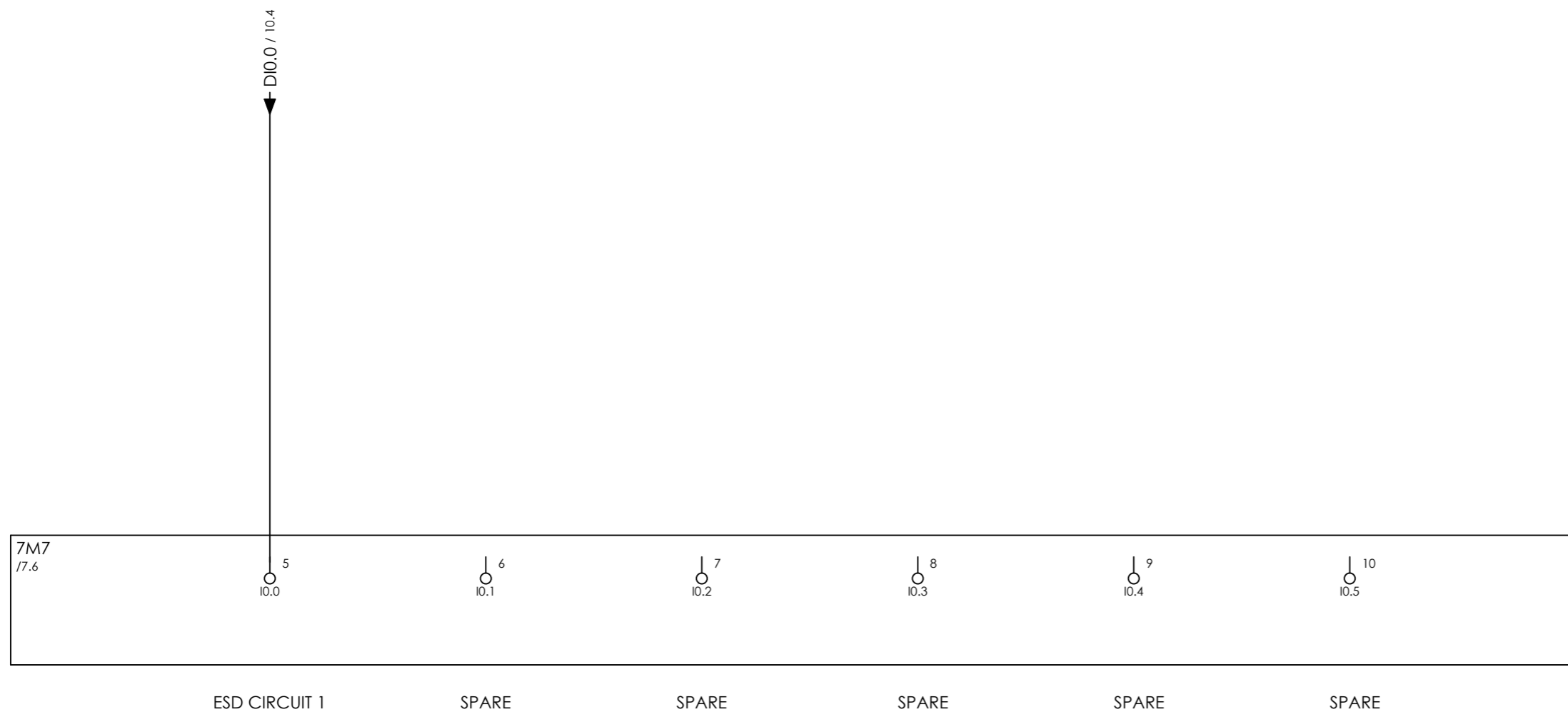


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------|--------------------------------------|
| SUBJECT<br>EMPTY PAGE    |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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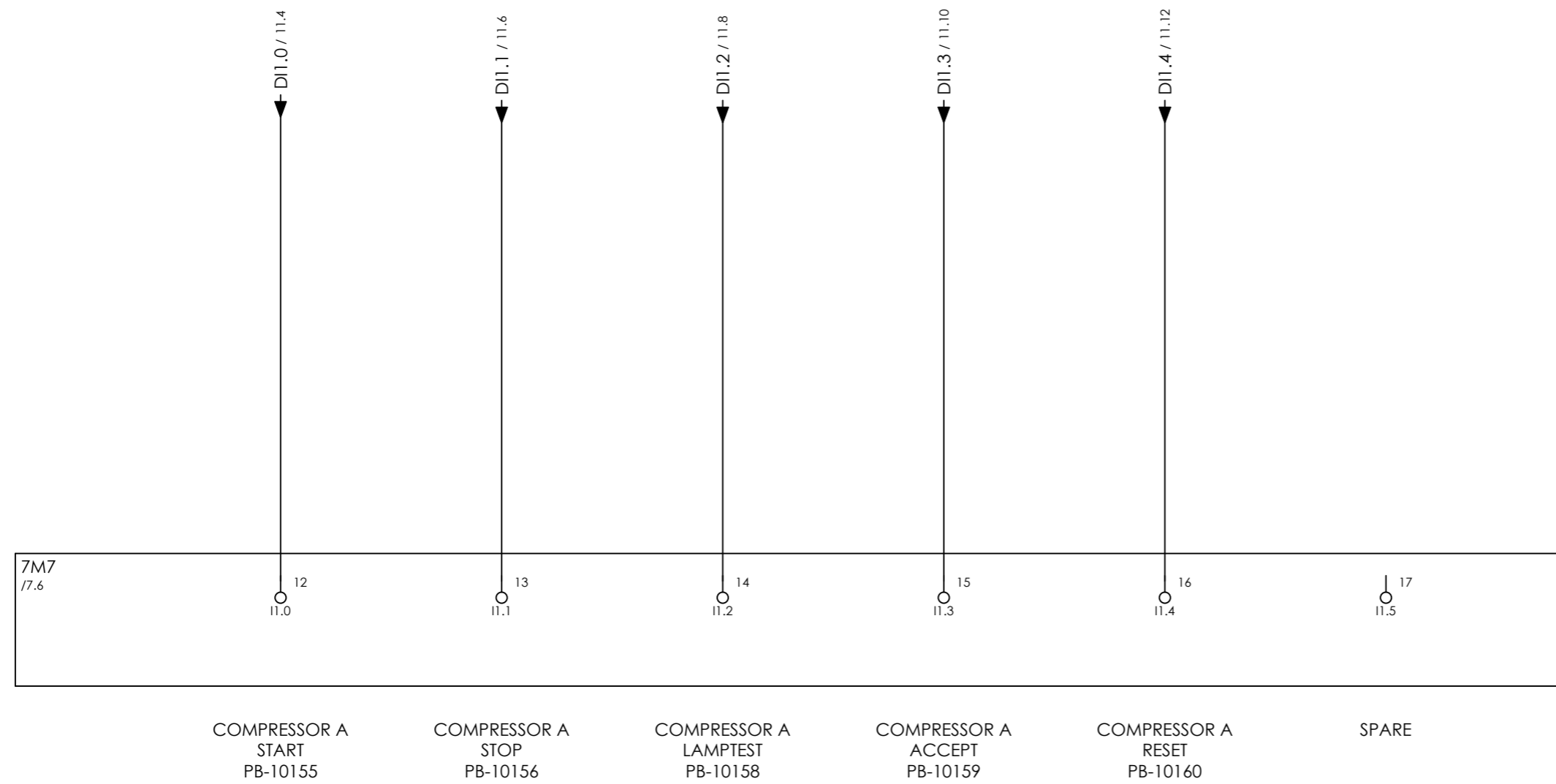
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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M7] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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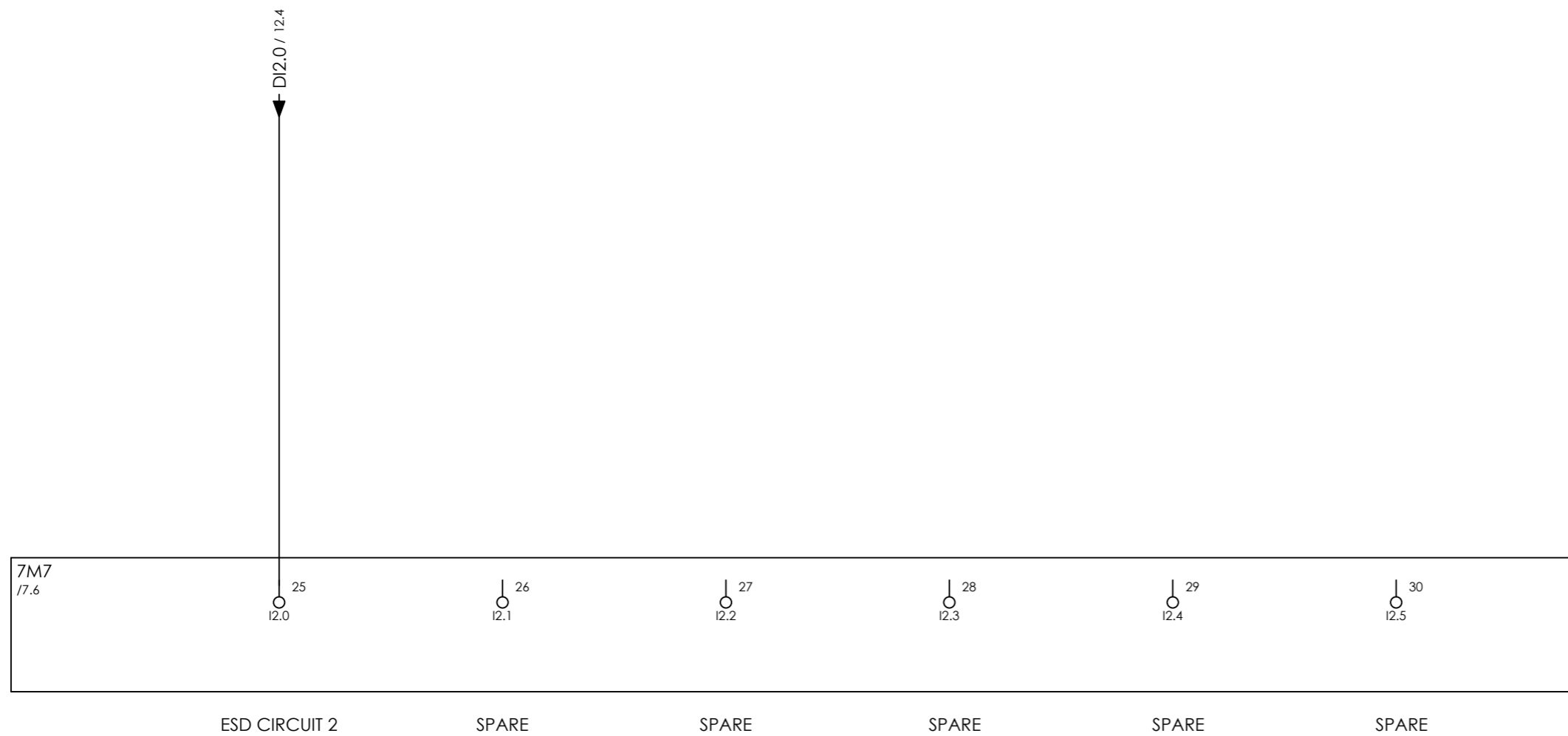


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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M7] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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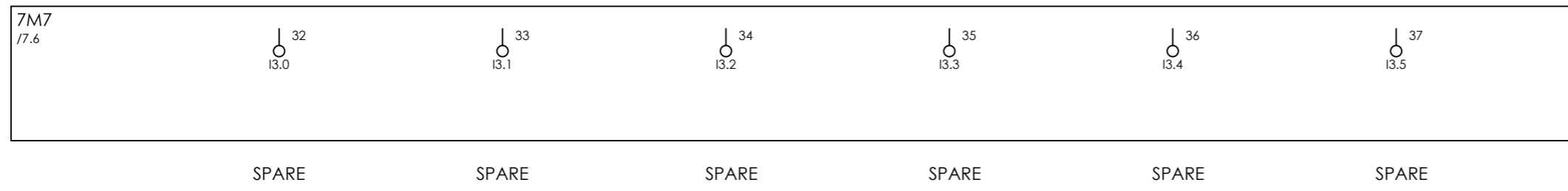


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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M7] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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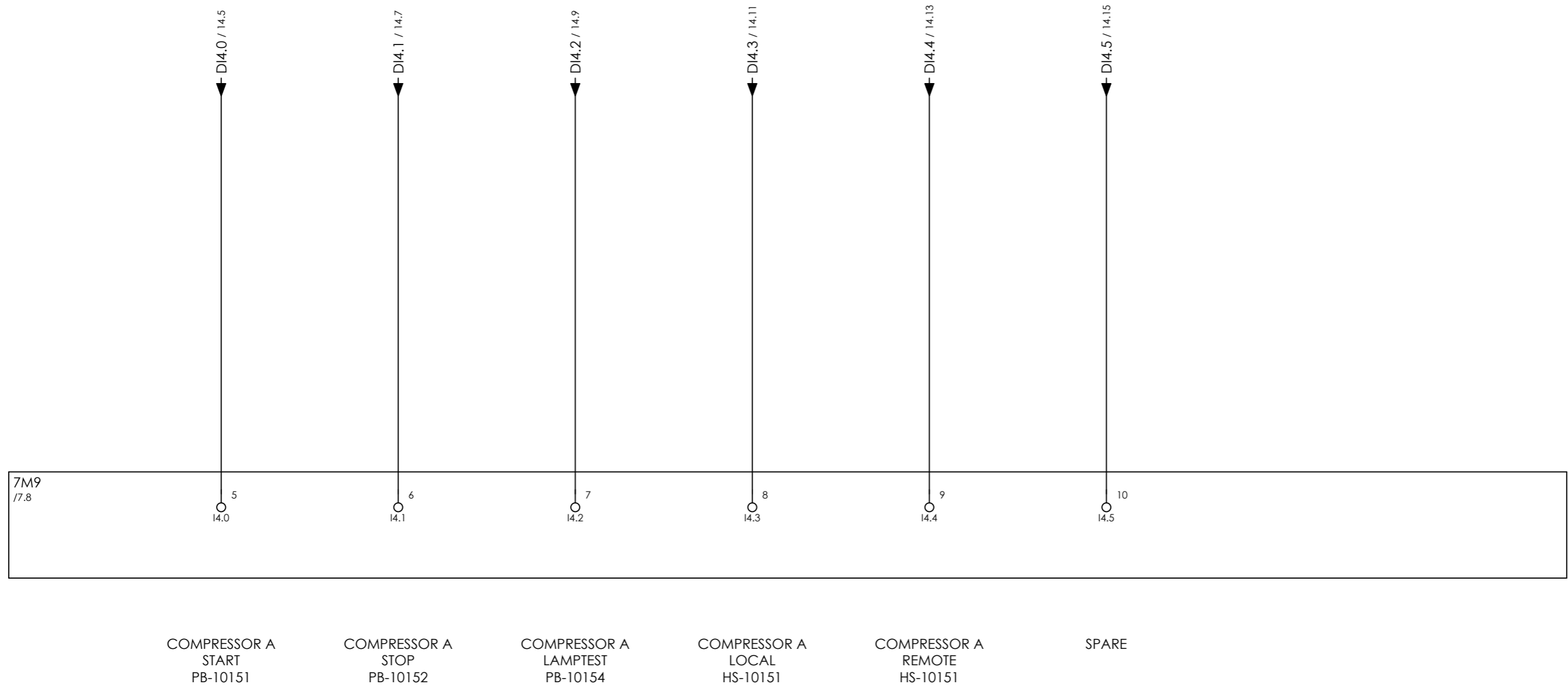


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M7] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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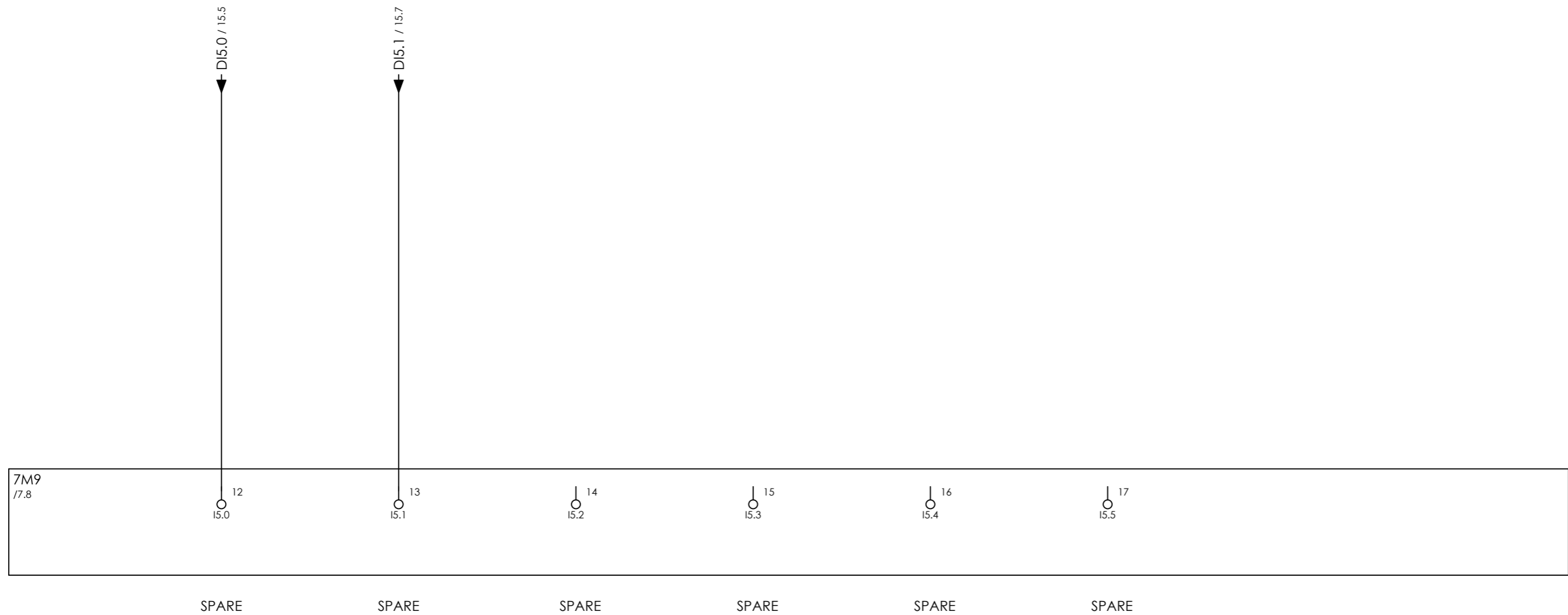


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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M9] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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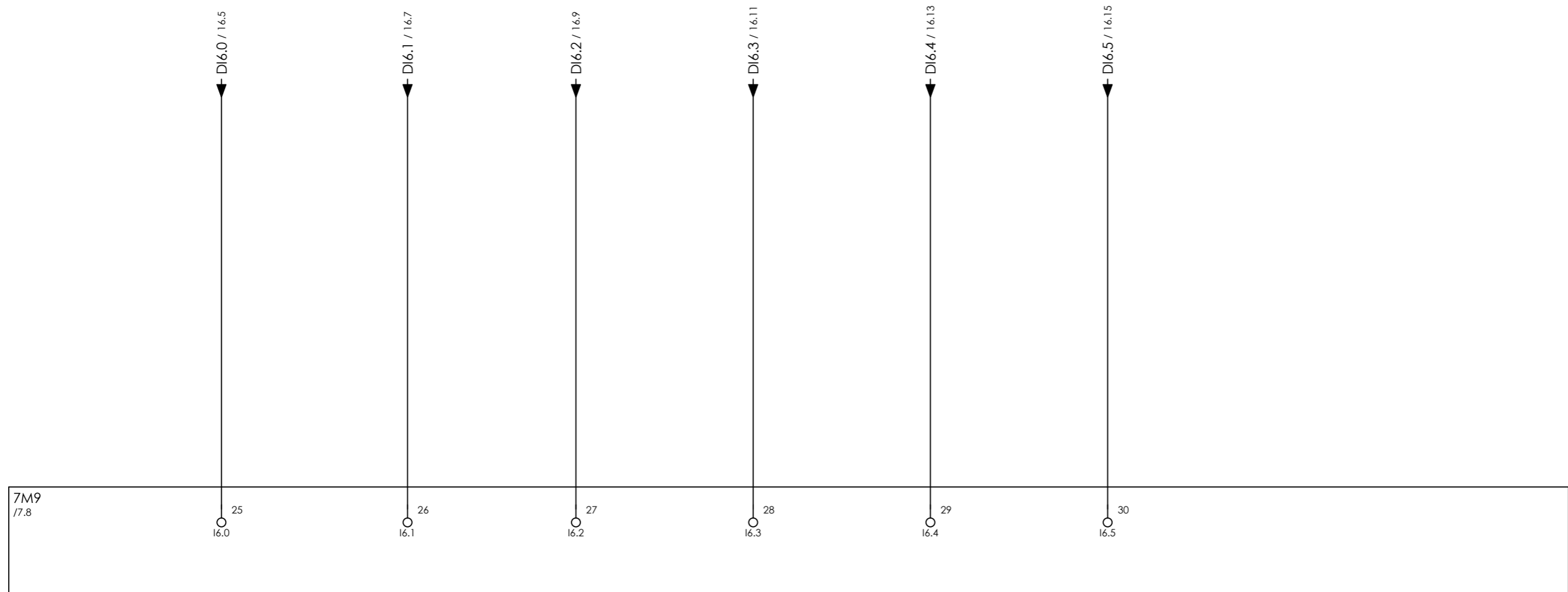


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M9] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 50        |

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| + UCP-C1002-01 |
| CURRENT PAGE   |



COMPRESSOR A  
MAIN MOTOR 20-C-1002-M  
RUNNING  
XL-10124

COMPRESSOR A  
MAIN MOTOR 20-C-1002-M  
FAULT  
YAL-10125

COMPRESSOR A  
OIL HEATER LG-10151  
RUNNING  
XL-10126

COMPRESSOR A  
OIL HEATER LG-10151  
FAULT  
YAL-10127

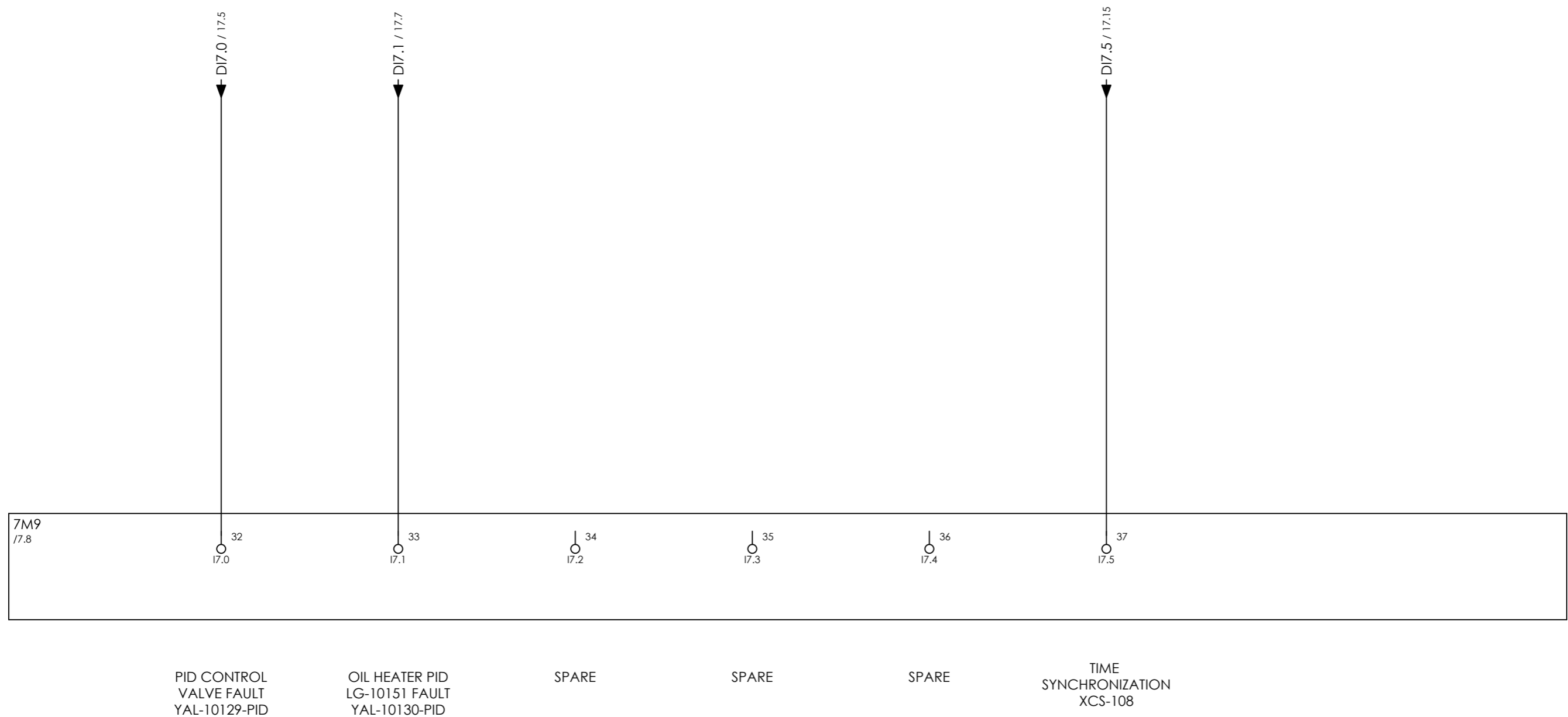
SPARE

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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL INPUTS II [7M9]  |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 51        |                |

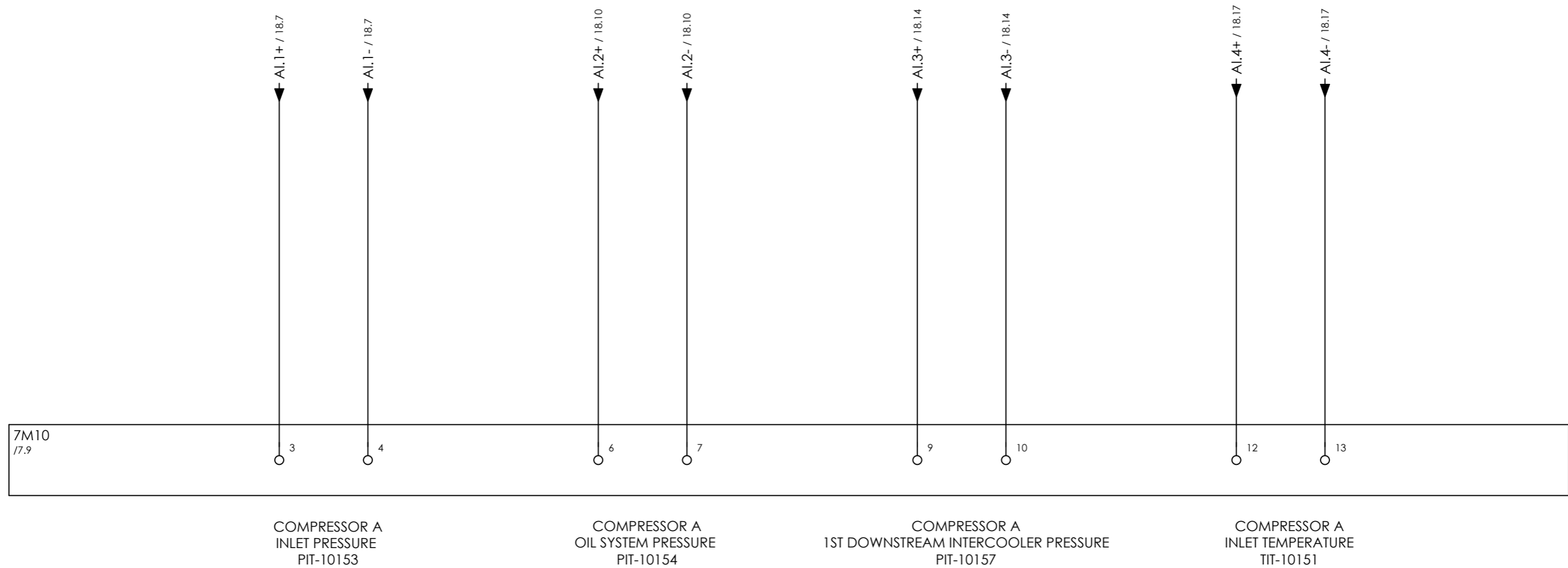


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL INPUTS II [7M9] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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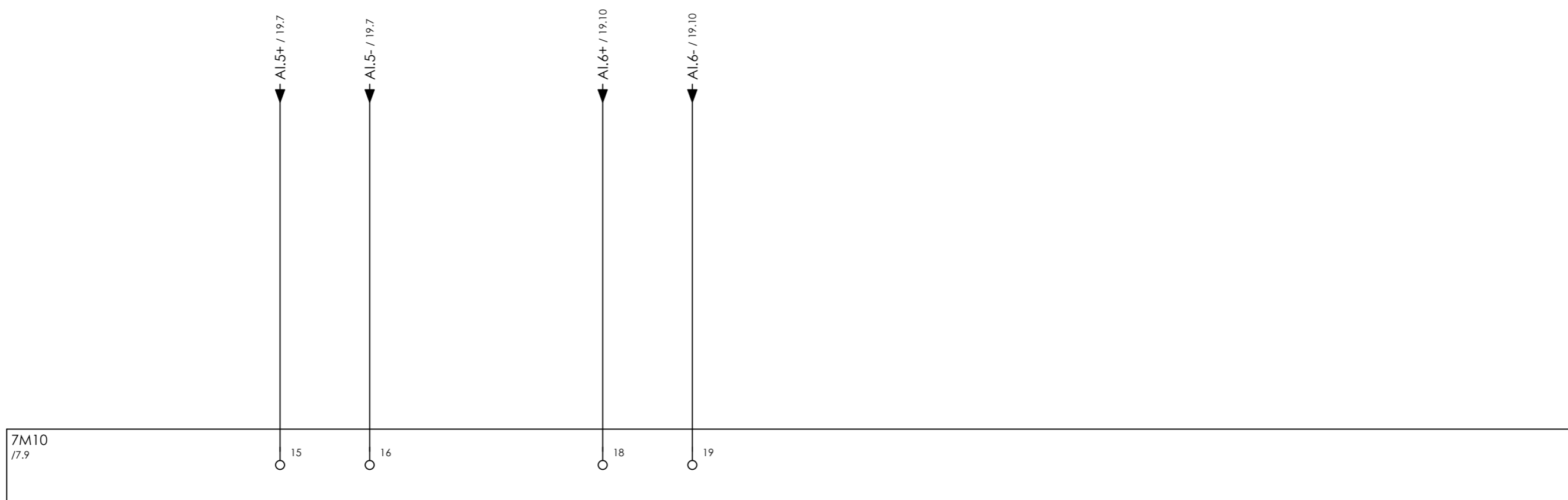


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M10] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 53        |

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| = 20-C-1002    |
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COMPRESSOR A  
1ST STAGE TEMPERATURE  
TIT-10152

COMPRESSOR A  
COOLING WATER OUTLET FLOW  
FIT-10151

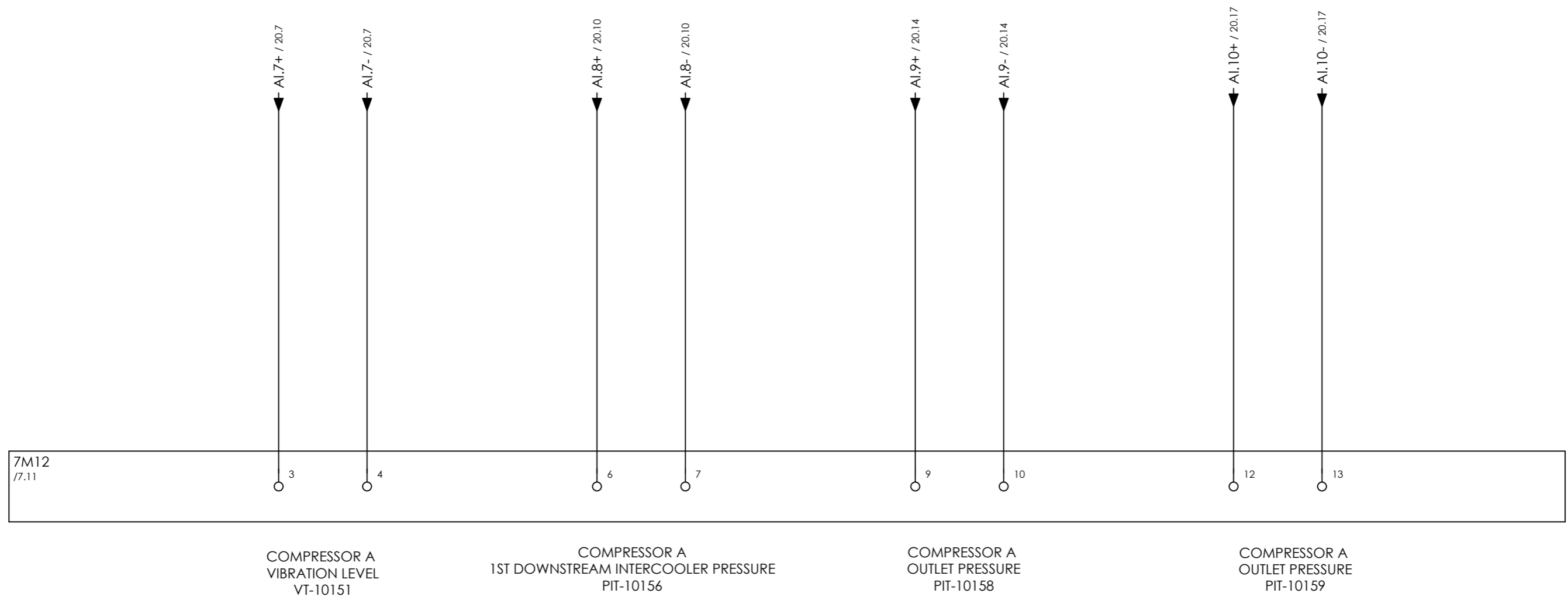


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M10] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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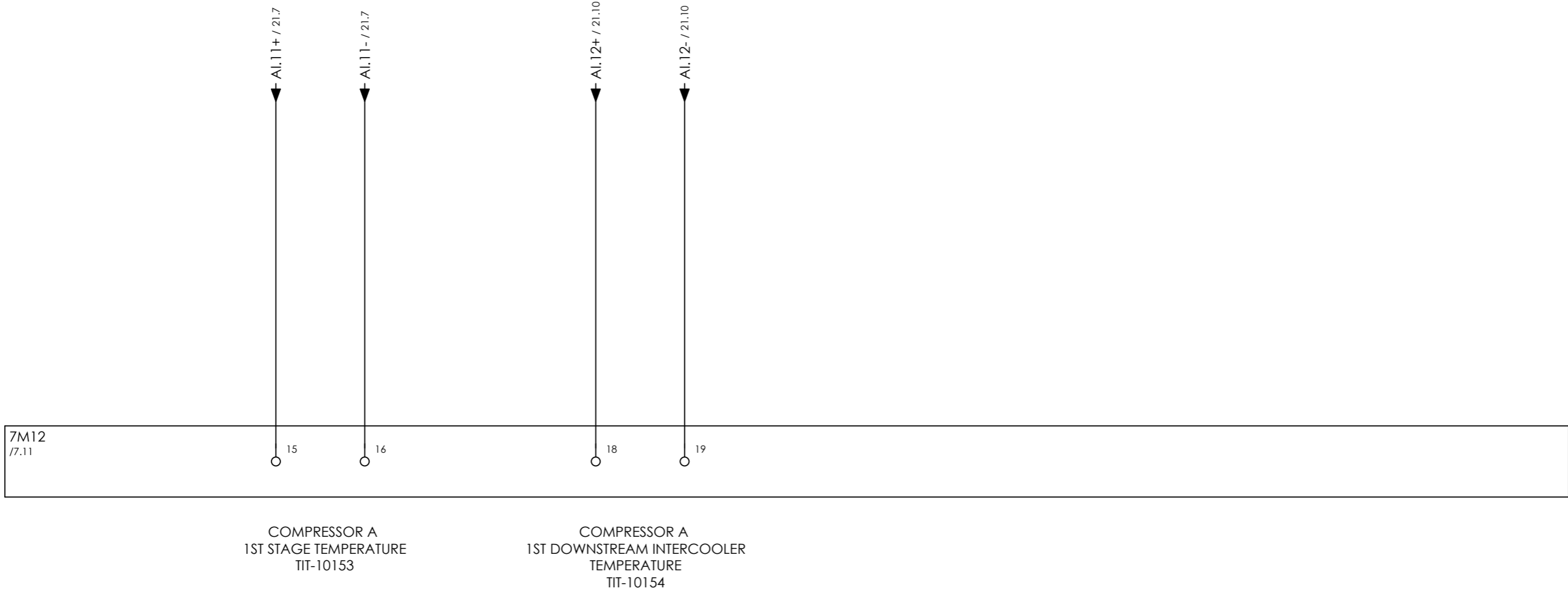


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M12] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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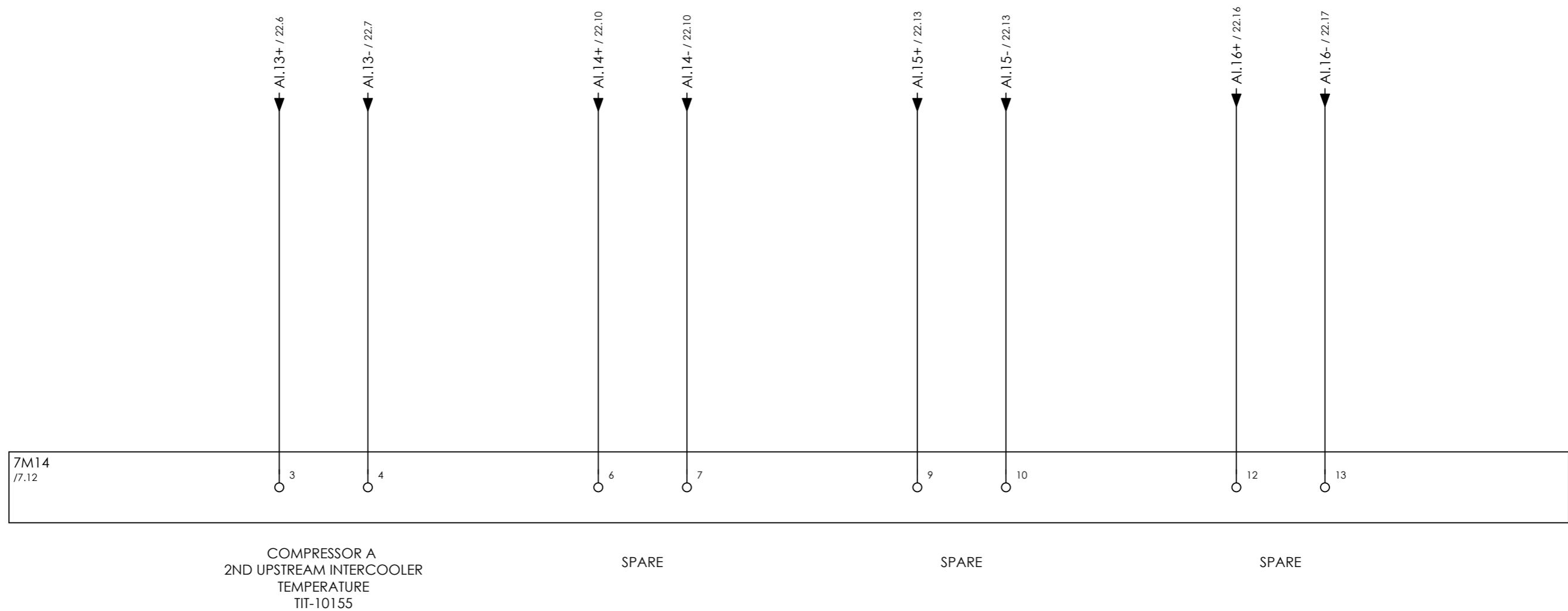


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M12] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

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|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 56        |

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|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M14] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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| CURRENT PAGE   |



SPARE

SPARE

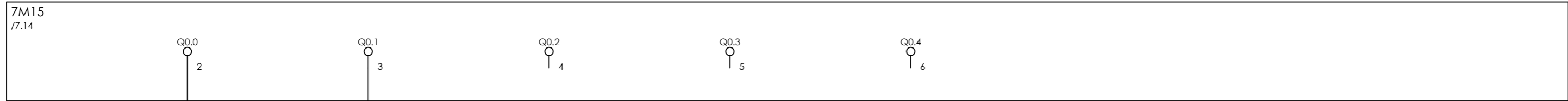


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>ANALOG INPUTS II [7M14] |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 58        |

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| CURRENT PAGE   |



ESD RELAY 01

ESD RELAY 02

SPARE

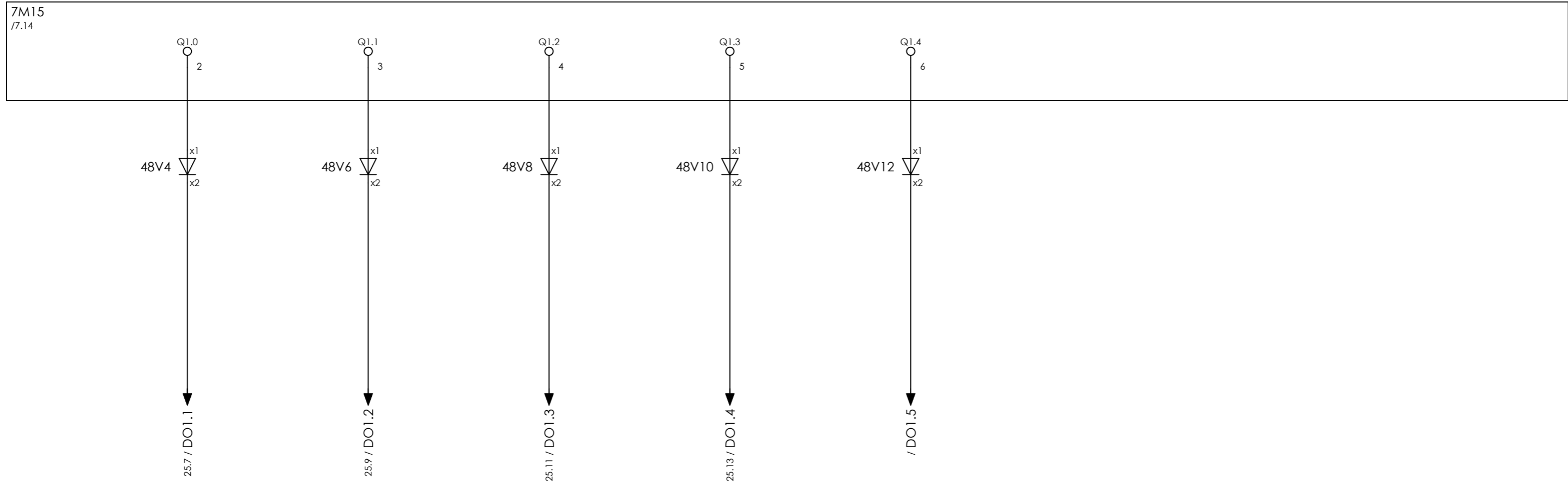
SPARE

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|  |                          |
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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                           |                                      |                        |           |                |
|---------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL OUTPUTS II [7M15] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                    | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 59        |                |



COMPRESSOR A  
OPERATIONAL  
XL-10156

COMPRESSOR A  
RUNNING  
XL-10157

COMPRESSOR A  
COMMON ALARM  
XL-10158

COMPRESSOR A  
COMMON TRIP  
XL-10159

COMPRESSOR A  
HOURMETER  
HM-10151



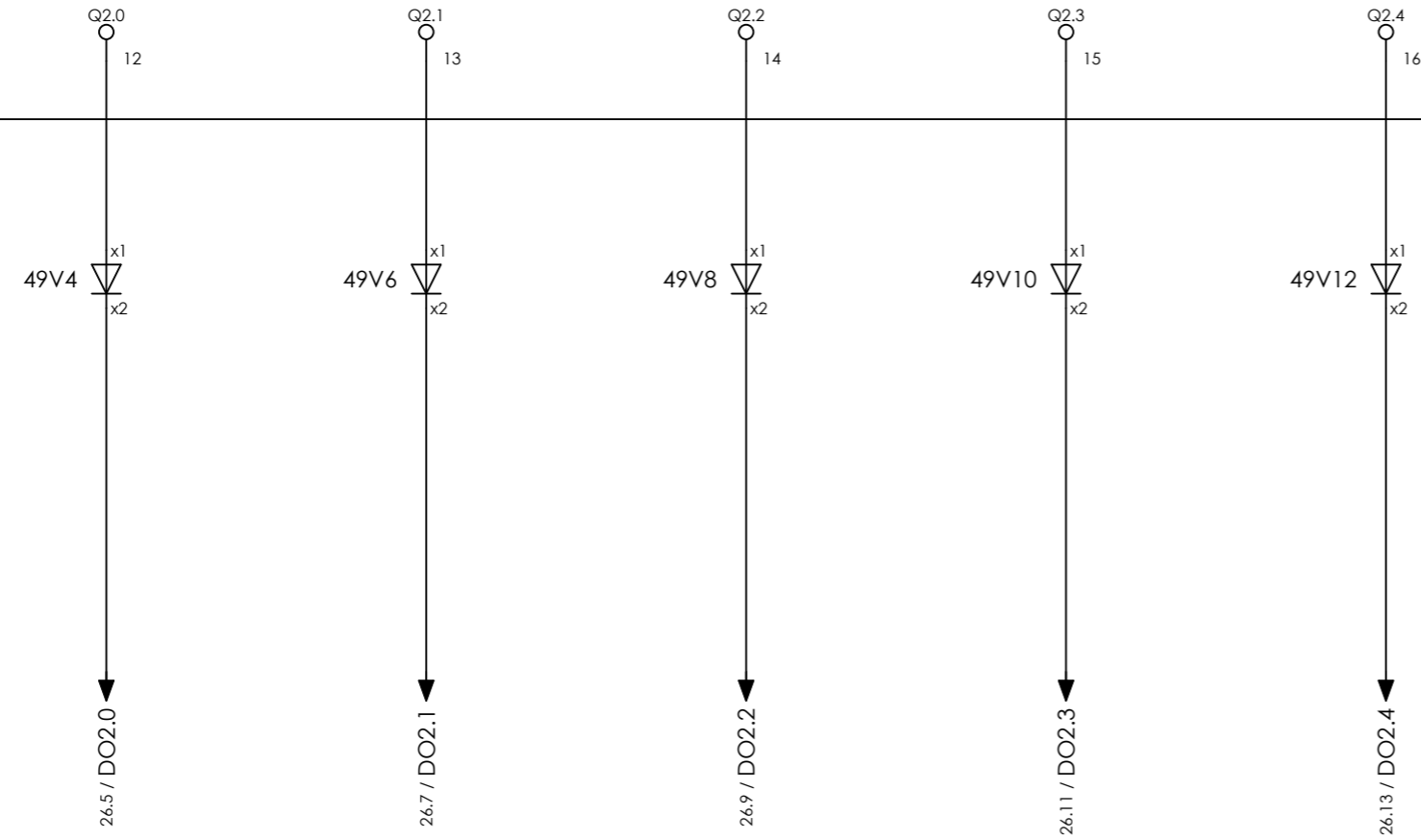
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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M15] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 60        |

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|----------------|
| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |

7M16  
/7.15



COMPRESSOR A  
OPERATIONAL  
XL-10151

COMPRESSOR A  
RUNNING  
XL-10152

COMPRESSOR A  
COMMON ALARM  
XL-10153

COMPRESSOR A  
COMMON TRIP  
XL-10154

SPARE



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

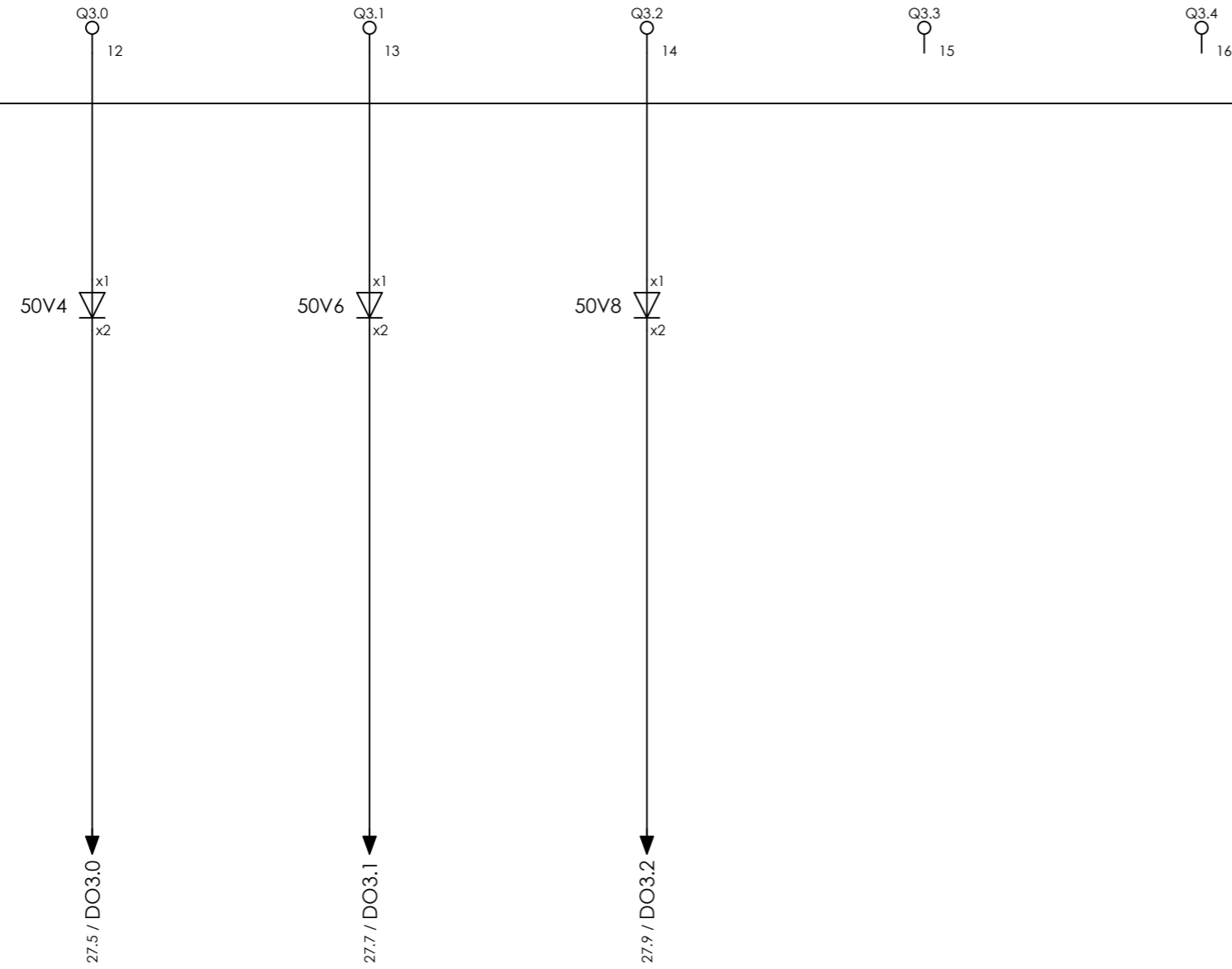
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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M16] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 61        |

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| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |

7M16  
/7.15



SPARE

SPARE

COMPRESSOR A  
FORCED SHUTDOWN  
HS-10121-SD

SPARE

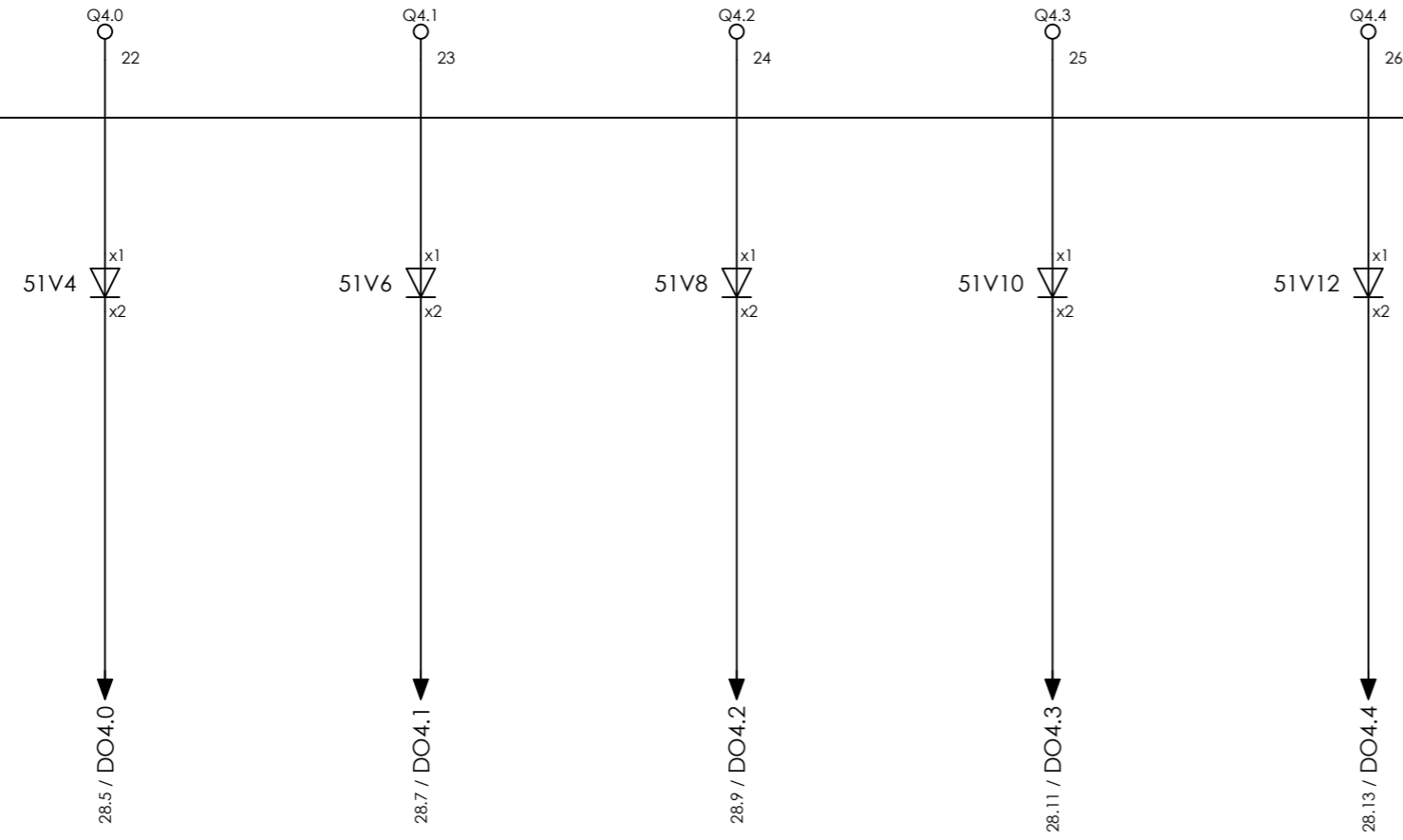
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|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|                           |                                      |                        |           |                |
|---------------------------|--------------------------------------|------------------------|-----------|----------------|
| SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| DIGITAL OUTPUTS II [7M16] |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| CLIENT                    | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
| CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                |
| AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 62        |                |

7M18  
/7.17



COMPRESSOR A  
SOLENOID VALVE  
XY-10151

COMPRESSOR A  
SOLENOID VALVE  
XY-10152

SPARE

SPARE

PID CONTROL  
ACTIVE  
XS-10128-PID



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M18] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 63        |

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| + UCP-C1002-01 |
| CURRENT PAGE   |

7M18  
/7.17

Q5.0  
22

Q5.1  
23

Q5.2  
24

Q5.3  
25

Q5.4  
26

SPARE

SPARE

SPARE

SPARE

SPARE



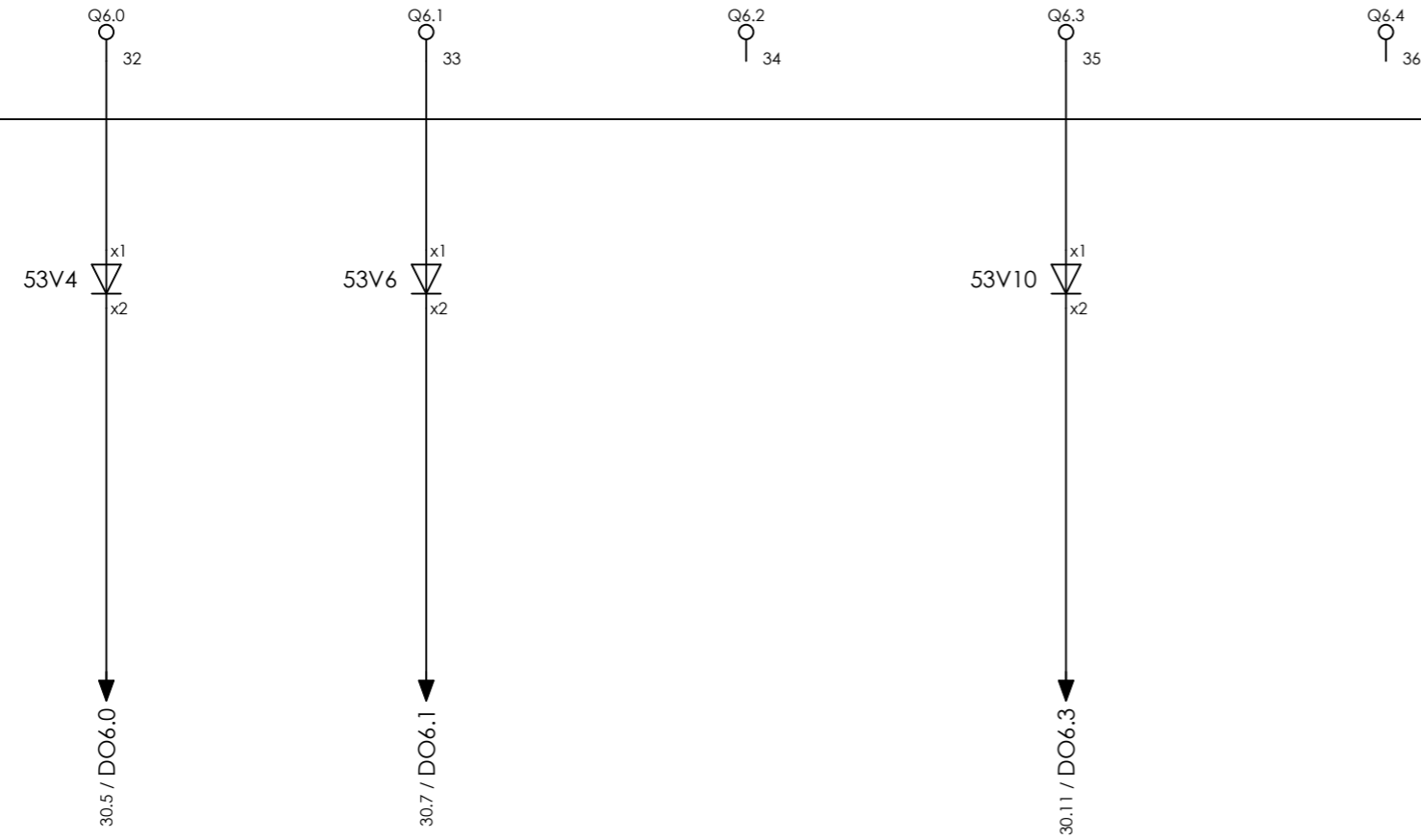
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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M18] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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|----------------|
| = 20-C-1002    |
| + UCP-C1002-01 |
| CURRENT PAGE   |

7M19  
/7.18



COMPRESSOR A  
MAIN MOTOR 20-M-1002  
START/STOP  
XS-10122-ST/SP

COMPRESSOR A  
OIL HEATER LG-10151  
ON/OFF  
XS-10123-ST/SP

SPARE

S/D STATUS  
XAL-108-2

SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M19] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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| CURRENT PAGE   |

7M19  
/7.18

Q7.0  
32

Q7.1  
33

Q7.2  
34

Q7.3  
35

Q7.4  
36

SPARE

SPARE

SPARE

SPARE

SPARE

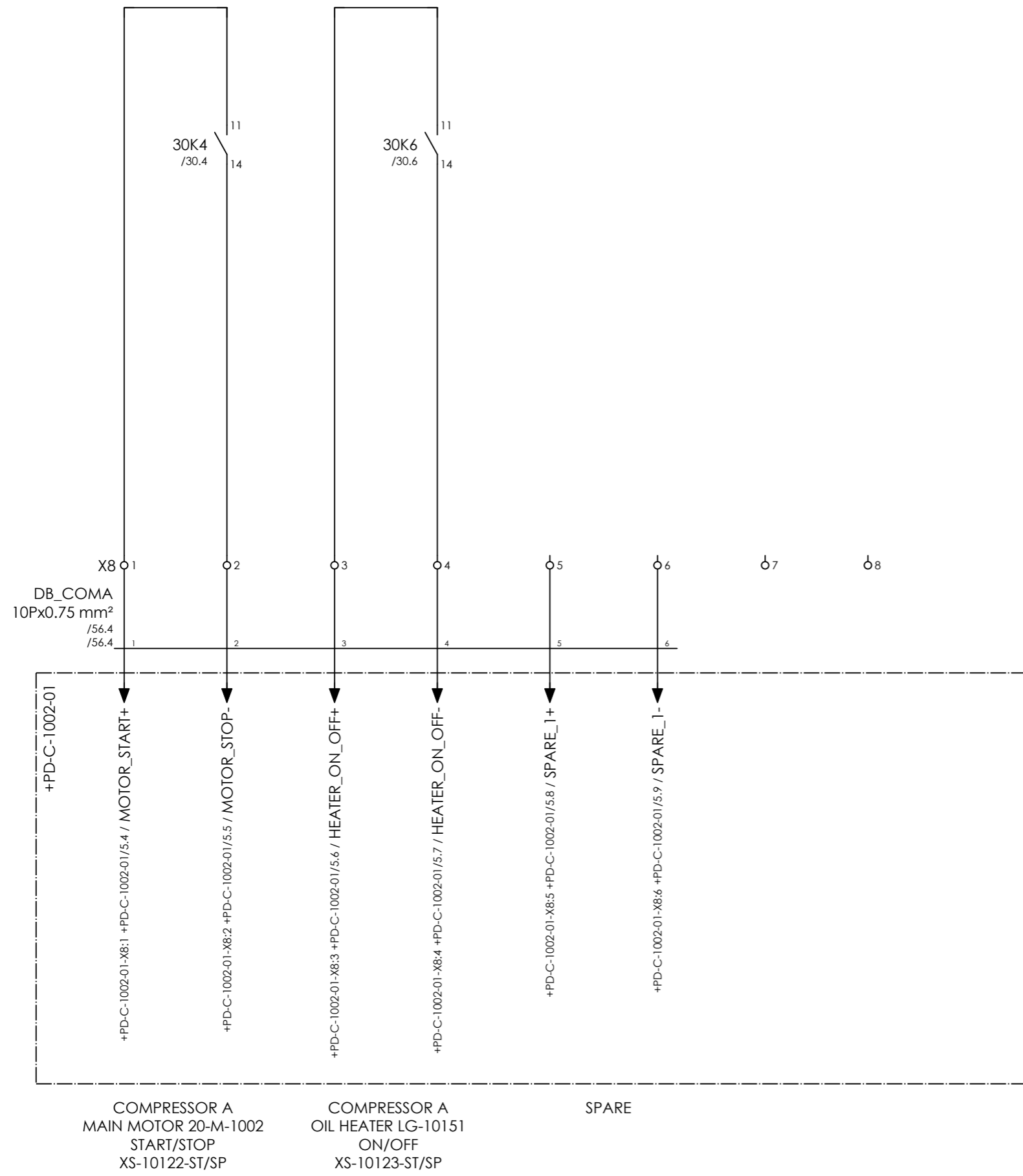


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

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|--------------------------------------|--------------------------------------|
| SUBJECT<br>DIGITAL OUTPUTS II [7M19] |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
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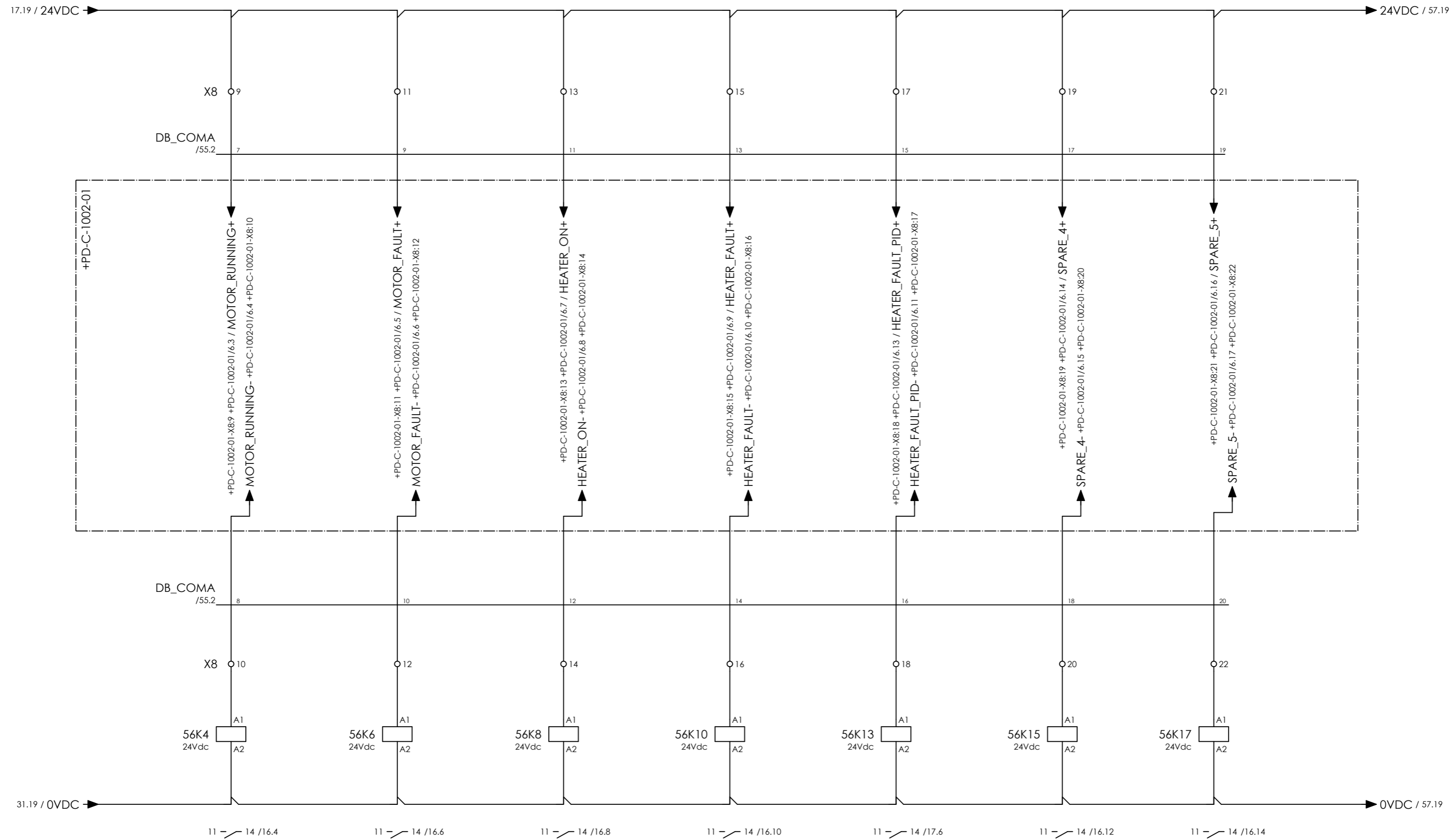


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          |

|  |                                      |
|--|--------------------------------------|
| SUBJECT<br>SIGNALS TO DISTRIBUTION BOARD |                                      |
| ADAPTED TO P&ID REVISION                 | 05                                   |
| CLIENT                                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                              | Bushehr MEG Plant Project            |
| AIRPACK REF.                             | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 67        |

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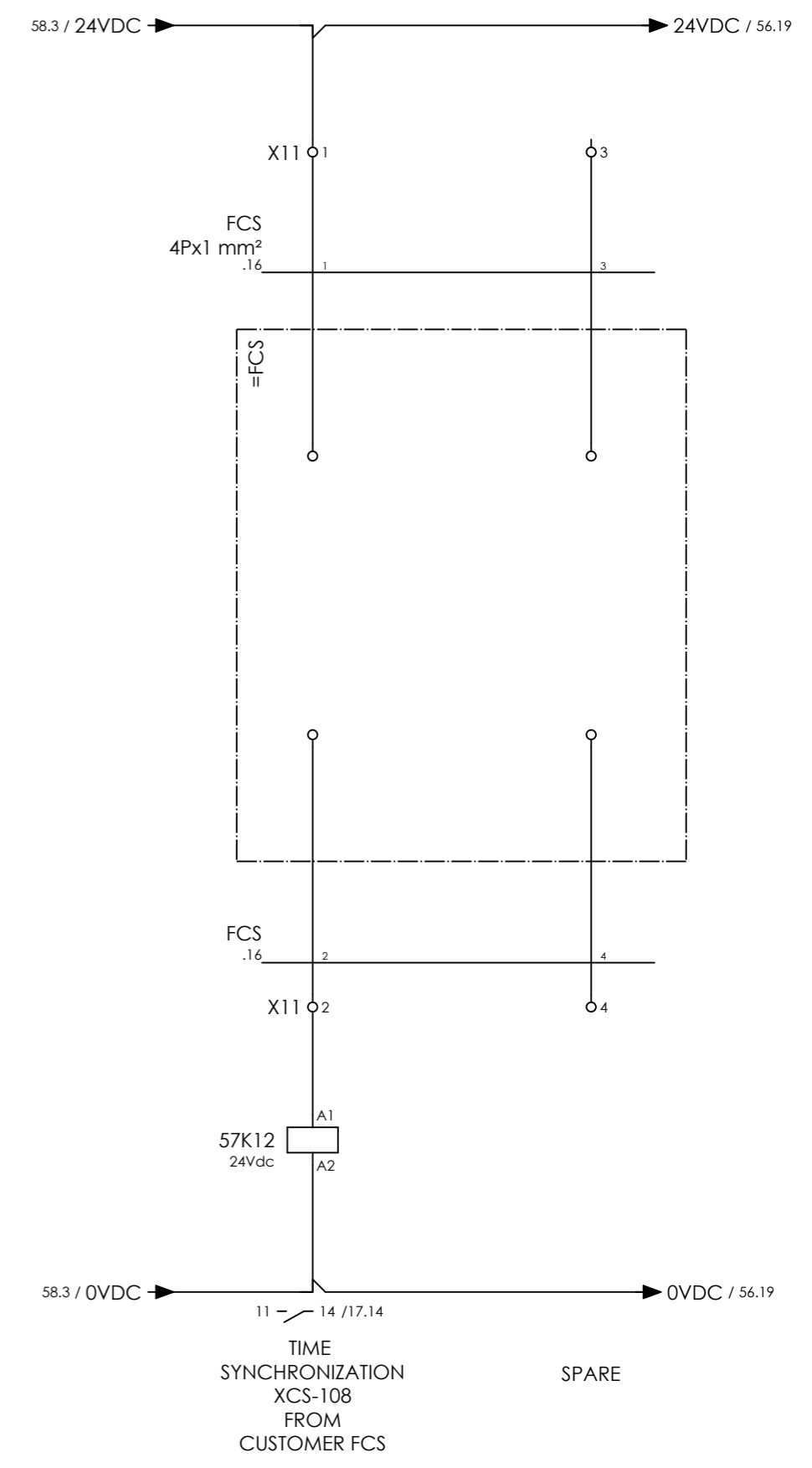
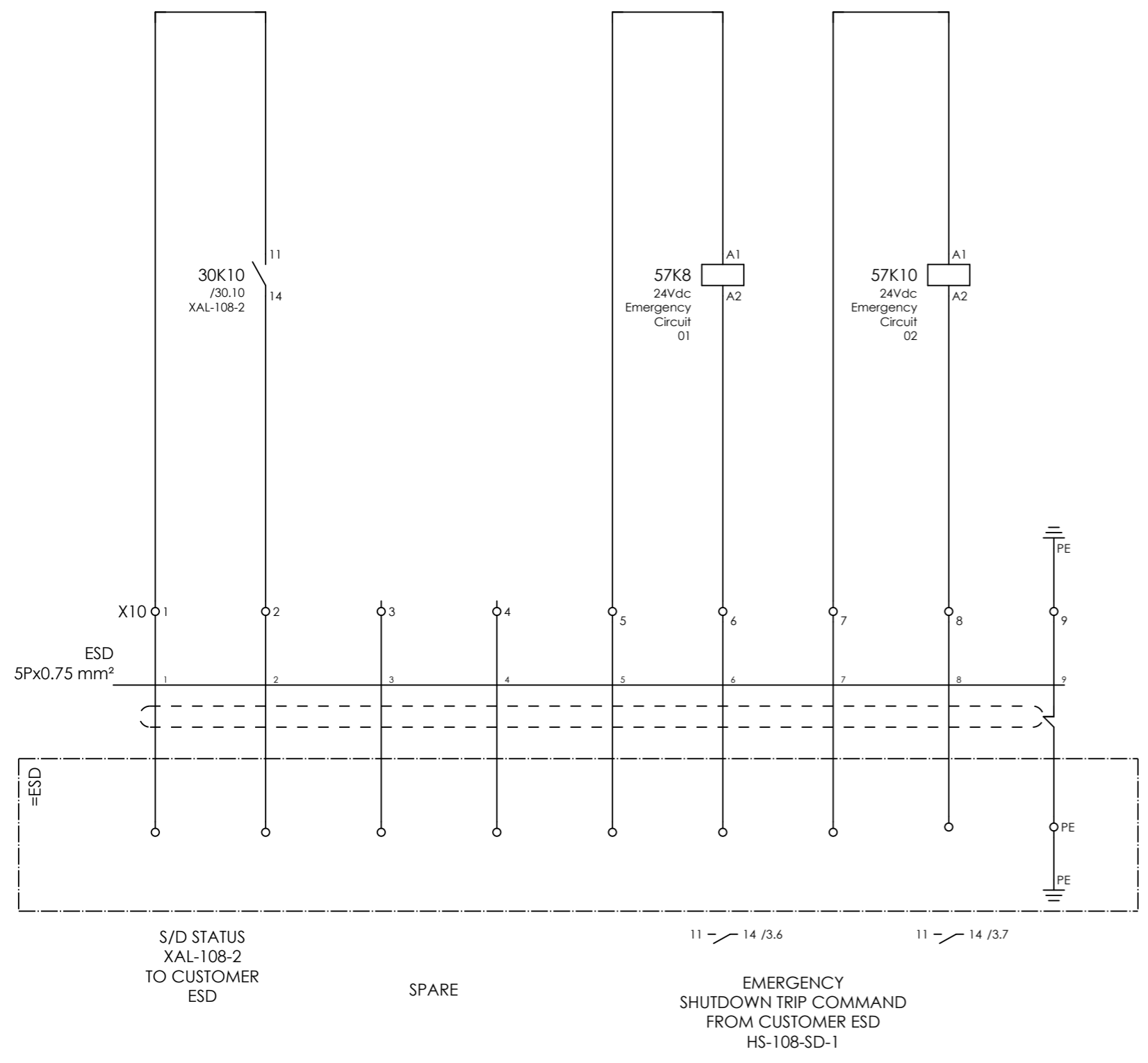
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|---|--|--|---|---|-------|-------|



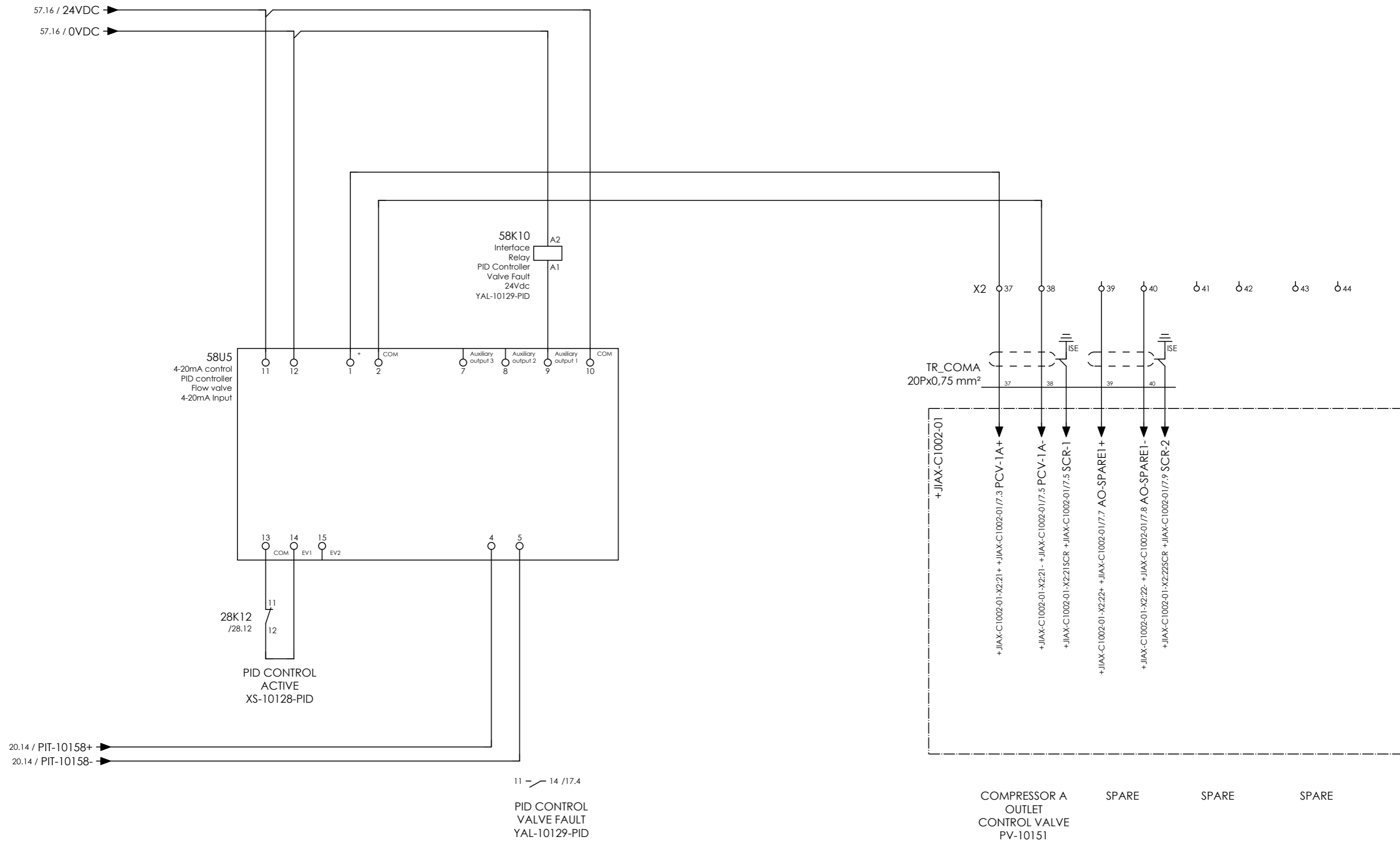
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|                    |                          |                                 |                                      |                        |           |                |
|--------------------|--------------------------|---------------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 | SUBJECT                         |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.      | 20-C-1002                | SIGNALS FROM DISTRIBUTION BOARD |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION | Iran, Onshore            | ADAPTED TO P&ID REVISION        | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
|                    |                          | CLIENT                          | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
|                    |                          | CLIENT REF.                     | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|                    |                          | AIRPACK REF.                    | 17811-05A                            | TOTAL PAGE AMOUNT      | 68        |                |

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|  |                          |                             |                                      |                        |           |                |
|--|--------------------------|-----------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                     |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | SIGNALS TO ESD AND FROM FCS |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION    | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
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|  |                          | CLIENT REF.                 | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.                | 17811-05A                            | TOTAL PAGE AMOUNT      | 69        |                |



|  |                          |                          |                                      |                        |           |                |
|--|--------------------------|--------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                  |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | PID CONTROL FLOW VALVE   |                                      | CHECKED BY             | RBE       | + UCP-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
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|  |                          | CLIENT REF.              | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.             | 17811-05A                            | TOTAL PAGE AMOUNT      | 70        |                |

# Terminal diagram

| Cable name |            |       | Strip<br>=20-C-1002+UCP-C1002-01-X0<br>POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER |                  |          |        |                    |                  |    |  |  | Cable name |  |  |
|------------|------------|-------|---|------------------|----------|--------|--------------------|------------------|----|--|--|------------|--|--|
|            |            |       | Target designation  | Connection point | Terminal | Jumper | Target designation | Connection point |    |  |  |            |  |  |
| -PS_02     | 3x2.5 sqmm |       | =CUSTOMER-L   |                  | 1        | .      | -2S2               |                  | 2  |  |  |            |  |  |
| -PS_01     | 3x2.5 sqmm |       | =CUSTOMER-N   |                  | 2        | .      | -2S2               |                  | 4  |  |  |            |  |  |
| -PS_00     | 3x2.5 sqmm | BN    | =CUSTOMER-PE  |                  | 3        | .      |                    |                  | PE |  |  |            |  |  |
|            |            | BU    | =CUSTOMER-L   |                  | 4        | .      | -2S4               |                  | 2  |  |  |            |  |  |
|            |            | GN/YE | =CUSTOMER-N   |                  | 5        | .      | -2S4               |                  | 4  |  |  |            |  |  |
|            |            |       | =CUSTOMER-PE  |                  | 6        | .      |                    |                  | PE |  |  |            |  |  |
|            |            | BN    | =CUSTOMER-L   |                  | 7        | .      | -2S6               |                  | 2  |  |  |            |  |  |
|            |            | BU    | =CUSTOMER-N   |                  | 8        | .      | -2S6               |                  | 4  |  |  |            |  |  |
|            |            | GN/YE | =CUSTOMER-PE  |                  | 9        | .      |                    |                  | PE |  |  |            |  |  |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-X0  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 71

= 20-C-1002  
 + UCP-C1002-01  
 CURRENT PAGE  
 59

# Terminal diagram

| Cable name |                  | Strip<br>=20-C-1002+UCP-C1002-01-X1<br>SOLENOIDS |        |                    |                  |          |                    |                  |          |                    |                  | Cable name |                    |                  |          |                    |                  |          |                    |
|------------|------------------|--|--------|--------------------|------------------|----------|--------------------|------------------|----------|--------------------|------------------|------------|--------------------|------------------|----------|--------------------|------------------|----------|--------------------|
| 1          | 2                | 3  | 4      | 5                  | 6                | 7        | 8                  | 9                | 10       | 11                 | 12               | 13         | 14                 | 15               | 16       | 17                 | 18               | 19       | 20                 |
| Terminal   | Connection point | Target designation                               | Jumper | Target designation | Connection point | Terminal | Target designation | Connection point | Terminal | Target designation | Connection point | Terminal   | Target designation | Connection point | Terminal | Target designation | Connection point | Terminal | Target designation |
| 1+         | 1+               | +JNDX-C1002-01-X1                                |        | +JNDX-C1002-01-X1  | 1+               | 1+       | +JNDX-C1002-01-X1  | 1+               | 1+       | -28K4              |                  |            |                    |                  |          |                    |                  |          |                    |
| 1-         | 1-               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 1-               | 1-       | +JNDX-C1002-01-X1  | 1-               | 1-       | -24K6              | •                |            |                    |                  |          |                    |                  |          |                    |
| 2+         | 2+               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 2+               | 2+       | +JNDX-C1002-01-X1  | 2+               | 2+       | -28K6              | •                |            |                    |                  |          |                    |                  |          |                    |
| 2-         | 2-               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 2-               | 2-       | +JNDX-C1002-01-X1  | 2-               | 2-       |                    | •                |            |                    |                  |          |                    |                  |          |                    |
| 3+         | 3+               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 3+               | 3+       | +JNDX-C1002-01-X1  | 3+               | 3+       | -28K8              | •                |            |                    |                  |          |                    |                  |          |                    |
| 3-         | 3-               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 3-               | 3-       | +JNDX-C1002-01-X1  | 3-               | 3-       |                    | •                |            |                    |                  |          |                    |                  |          |                    |
| 4+         | 4+               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 4+               | 4+       | +JNDX-C1002-01-X1  | 4+               | 4+       | -28K10             | •                |            |                    |                  |          |                    |                  |          |                    |
| 4-         | 4-               | +JNDX-C1002-01-X1                                | •      | +JNDX-C1002-01-X1  | 4-               | 4-       | +JNDX-C1002-01-X1  | 4-               | 4-       |                    | •                |            |                    |                  |          |                    |                  |          |                    |
| 5+         | 5+               | +JNDX-C1002-01-X1                                |        | +JNDX-C1002-01-X1  | 5+               | 5+       | +JNDX-C1002-01-X1  | 5+               | 5+       |                    |                  |            |                    |                  |          |                    |                  |          |                    |
| 5-         | 5-               | +JNDX-C1002-01-X1                                |        | +JNDX-C1002-01-X1  | 5-               | 5-       | +JNDX-C1002-01-X1  | 5-               | 5-       |                    |                  |            |                    |                  |          |                    |                  |          |                    |



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|--------------------|--------------------------|--------------------------|---|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 | SUBJECT                  | Terminal diagram =20-C-1002+UCP-C1002-01-X1 |
| EQUIPMENT NO.      | 20-C-1002                | ADAPTED TO P&ID REVISION | 05  |
| EQUIPMENT LOCATION | Iran, Onshore            | CLIENT                   | Bushehr Petrochemical Company (BUPC)        |
|                    |                          | CLIENT REF.              | Bushehr MEG Plant Project                   |
|                    |                          | AIRPACK REF.             | 17811-05A                                   |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 72        |                |



# Terminal diagram

| Cable name         |                  | Strip<br>=20-C-1002+UCP-C1002-01-X5<br>CONNECTION PUSHBUTTONS / LAMPS |        |                    |                  |  |  |  |  |  |  | Cable name |                  |
|--------------------|------------------|---|--------|--------------------|------------------|--|--|--|--|--|--|------------|------------------|
| Target designation | Connection point | Terminal  | Jumper | Target designation | Connection point |  |  |  |  |  |  | Terminal   | Connection point |
| +LP-C1002-01-X5    | 1                | 1   | •      | -9V4               | x1               |  |  |  |  |  |  |            |                  |
| -6M9               | 5                | 2   | •      | +LP-C1002-01-X5    | 2                |  |  |  |  |  |  |            |                  |
| -7M9               | 5                |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 3                | 3   | •      | +LP-C1002-01-X5    | 4                |  |  |  |  |  |  |            |                  |
| -6M9               | 6                | 4   | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -7M9               | 6                |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 5                | 5   | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -6M9               | 7                | 6   | •      | +LP-C1002-01-X5    | 6                |  |  |  |  |  |  |            |                  |
| -7M9               | 7                |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 7                | 7   | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -6M9               | 8                | 8   | •      | +LP-C1002-01-X5    | 8                |  |  |  |  |  |  |            |                  |
| -7M9               | 8                |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 9                | 9   | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -6M9               | 9                | 10  | •      | +LP-C1002-01-X5    | 10               |  |  |  |  |  |  |            |                  |
| -7M9               | 9                |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 11               | 11  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -6M9               | 10               | 12  | •      | +LP-C1002-01-X5    | 12               |  |  |  |  |  |  |            |                  |
| -7M9               | 10               |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 13               | 13  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -6M9               | 12               | 14  | •      | +LP-C1002-01-X5    | 14               |  |  |  |  |  |  |            |                  |
| -7M9               | 12               |   |        |                    |                  |  |  |  |  |  |  |            |                  |
|                    |                  | 15  | •      | -56K4              | 11               |  |  |  |  |  |  |            |                  |
| -6M9               | 13               | 16  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| -7M9               | 13               |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 15               | 17  | •      | -26V4              | x2               |  |  |  |  |  |  |            |                  |
|                    |                  |   |        | -49V4              | x2               |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 16               | 18  | •      | -9V4.1             | x2               |  |  |  |  |  |  |            |                  |
| -26V6              | x2               | 19  | •      | +LP-C1002-01-X5    | 17               |  |  |  |  |  |  |            |                  |
| -49V6              | x2               |   |        |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 18               | 20  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 19               | 21  | •      | -26V8              | x2               |  |  |  |  |  |  |            |                  |
|                    |                  |   |        | -49V8              | x2               |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X5    | 20               | 22  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X9    | 5                | 23  | •      | -26V10             | x2               |  |  |  |  |  |  |            |                  |
|                    |                  |   |        | -49V10             | x2               |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X9    | 6                | 24  | •      |                    |                  |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X9    | 7                | 25  | •      | -26V12             | x2               |  |  |  |  |  |  |            |                  |
|                    |                  |   |        | -49V12             | x2               |  |  |  |  |  |  |            |                  |
| +LP-C1002-01-X9    | 8                | 26  | •      |                    |                  |  |  |  |  |  |  |            |                  |
|                    |                  |   |        | -27V4              | x2               |  |  |  |  |  |  |            |                  |



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|--------------------------|-----------|---|--------------------------------------|
| SUBJECT                  |           | Terminal diagram =20-C-1002+UCP-C1002-01-X5 |                                      |
| ADAPTED TO P&ID REVISION | 05        | CLIENT                                      | Bushehr Petrochemical Company (BUPC) |
| AIRPACK REF.             | 17811-05A | CLIENT REF.                                 | Bushehr MEG Plant Project            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + UCP-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 74        |                |



# Terminal diagram

| Strip<br>=20-C-1002+UCP-C1002-01-X8<br>SIGNALS TO / FROM DISTRIBUTION BOARD |                  |          |        |                    |                  | Cable name   |  |
|---|------------------|----------|--------|--------------------|------------------|--------------|--|
| Target designation  | Connection point | Terminal | Jumper | Target designation | Connection point | Cable name   |  |
| +PD-C-1002-01-X8  | 1                | 1        | .      | -30K4              | 11               | -DB_COMA     |  |
| +PD-C-1002-01-X8  | 2                | 2        | .      | -3ESDR8            | 14               | 10Px0.75 mm² |  |
| +PD-C-1002-01-X8  | 3                | 3        | .      | -30K6              | 11               |              |  |
| +PD-C-1002-01-X8  | 4                | 4        | .      | -3ESDR8            | 24               |              |  |
| +PD-C-1002-01-X8  | 5                | 5        | .      |                    |                  |              |  |
| +PD-C-1002-01-X8  | 6                | 6        | .      |                    |                  |              |  |
|   |                  | 7        | .      |                    |                  |              |  |
|   |                  | 8        | .      |                    |                  |              |  |
| -57K12  | 11               | 9        | .      | +PD-C-1002-01-X8   | 9                |              |  |
| +PD-C-1002-01-X8  | 10               | 10       | .      | -56K4              | A1               |              |  |
| +PD-C-1002-01-X8  | 12               | 11       | .      | +PD-C-1002-01-X8   | 11               |              |  |
| +PD-C-1002-01-X8  | 14               | 12       | .      | -56K6              | A1               |              |  |
| +PD-C-1002-01-X8  | 16               | 13       | .      | +PD-C-1002-01-X8   | 13               |              |  |
| +PD-C-1002-01-X8  | 17               | 14       | .      | -56K8              | A1               |              |  |
| +PD-C-1002-01-X8  | 20               | 15       | .      | +PD-C-1002-01-X8   | 15               |              |  |
| +PD-C-1002-01-X8  | 22               | 16       | .      | -56K10             | A1               |              |  |
| -X11  | 1                | 17       | .      | +PD-C-1002-01-X8   | 18               |              |  |
| +PD-C-1002-01-X8  | 20               | 18       | .      | -56K13             | A1               |              |  |
|   |                  | 19       | .      | +PD-C-1002-01-X8   | 19               |              |  |
|   |                  | 20       | .      | -56K15             | A1               |              |  |
|   |                  | 21       | .      | +PD-C-1002-01-X8   | 21               |              |  |
|   |                  | 22       | .      | -56K17             | A1               |              |  |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore

SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-X8  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
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 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 76

= 20-C-1002  
 + UCP-C1002-01  
 CURRENT PAGE







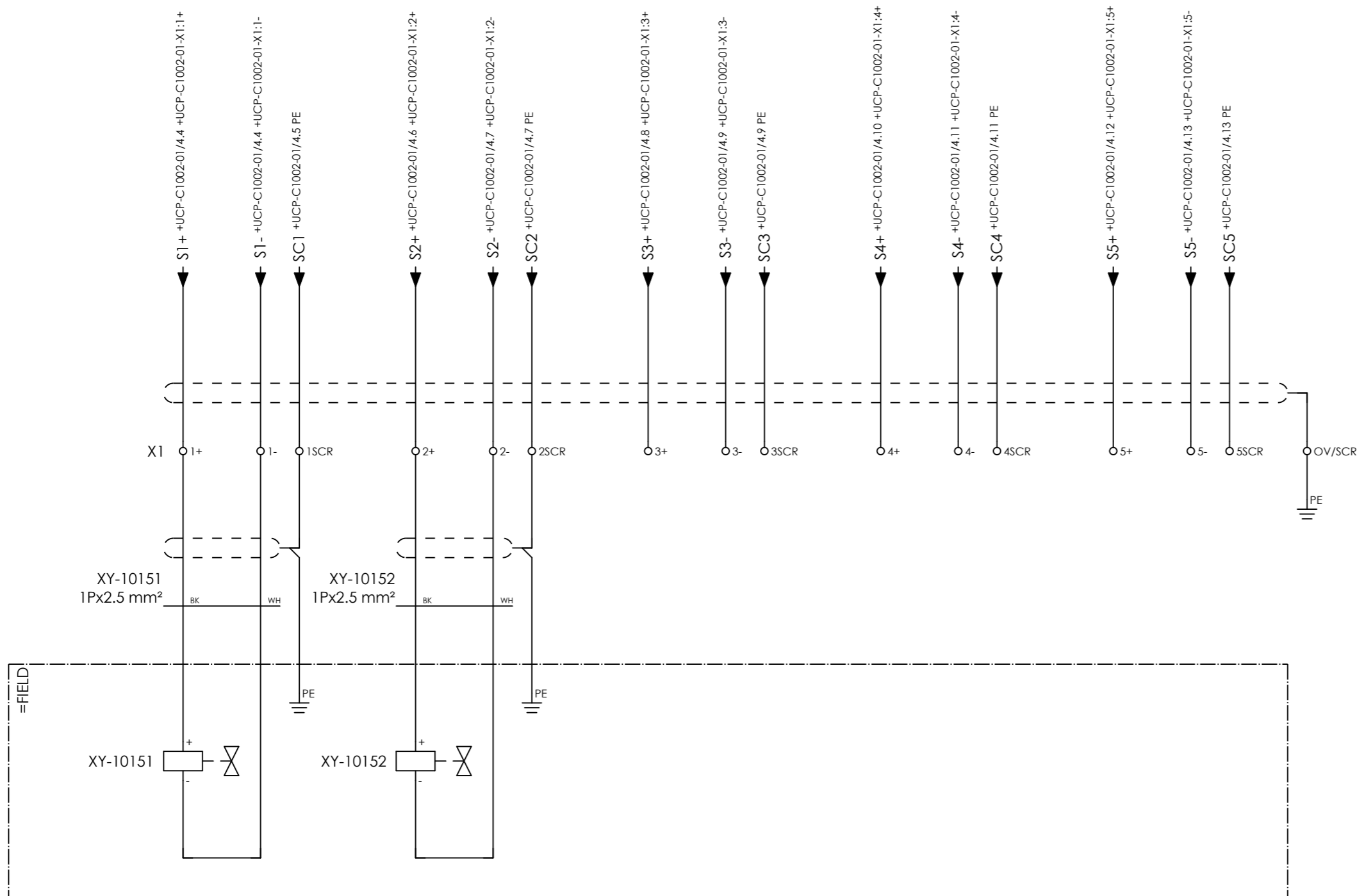
# TERMINAL STRIP DEFINITION

# JUNCTION BOX JNDX-C1002-01

X1 = CONNECTION SOLENOIDS



|  |                          |                           |                                      |                        |           |                 |
|--|--------------------------|---------------------------|--------------------------------------|------------------------|-----------|-----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002     |
| EQUIPMENT NO.  | 20-C-1002                | TERMINAL STRIP DEFINITION |                                      | CHECKED BY             | RBE       | + JNDX-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE    |
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|  |                          | CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                 |
|  |                          | AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 80        |                 |



COMPRESSOR A  
INLET  
SOLENOID VALVE  
XY-10151

COMPRESSOR A  
COOLING WATER INLET  
SOLENOID VALVE  
XY-10152

SPARE

SPARE

SPARE

# Terminal diagram

| Cable name         |                  | Strip<br>=20-C-1002+JNDX-C1002-01-X1<br>CONNECTION SOLENOIDS |        |                    |                  |          |        | Cable name         |                  |
|--------------------|------------------|--|--------|--------------------|------------------|----------|--------|--------------------|------------------|
| Target designation | Connection point | Terminal   | Jumper | Target designation | Connection point | Terminal | Jumper | Target designation | Connection point |
| =FIELD-XY-10151    | +                | 1+   | .      | +UCP-C1002-01-X1   | 1+               | 1+       | .      | +UCP-C1002-01-X1   | 1+               |
| =FIELD-XY-10151    | -                | 1-   | .      | +UCP-C1002-01-X1   | -                | 1-       | .      | +UCP-C1002-01-X1   | 1-               |
|                    | PE               | 1SCR   | .      |                    | PE               | 1SCR     | .      |                    | PE               |
| =FIELD-XY-10152    | +                | 2+   | .      | +UCP-C1002-01-X1   | +                | 2+       | .      | +UCP-C1002-01-X1   | 2+               |
| =FIELD-XY-10152    | -                | 2-   | .      | +UCP-C1002-01-X1   | -                | 2-       | .      | +UCP-C1002-01-X1   | 2-               |
|                    | PE               | 2SCR   | .      |                    | PE               | 2SCR     | .      |                    | PE               |
|                    |                  | 3+   | .      | +UCP-C1002-01-X1   |                  | 3+       | .      | +UCP-C1002-01-X1   | 3+               |
|                    |                  | 3-   | .      | +UCP-C1002-01-X1   |                  | 3-       | .      | +UCP-C1002-01-X1   | 3-               |
|                    |                  | 3SCR   | .      |                    |                  | 3SCR     | .      |                    | PE               |
|                    |                  | 4+   | .      | +UCP-C1002-01-X1   |                  | 4+       | .      | +UCP-C1002-01-X1   | 4+               |
|                    |                  | 4-   | .      | +UCP-C1002-01-X1   |                  | 4-       | .      | +UCP-C1002-01-X1   | 4-               |
|                    |                  | 4SCR   | .      |                    |                  | 4SCR     | .      |                    | PE               |
|                    |                  | 5+   | .      | +UCP-C1002-01-X1   |                  | 5+       | .      | +UCP-C1002-01-X1   | 5+               |
|                    |                  | 5-   | .      | +UCP-C1002-01-X1   |                  | 5-       | .      | +UCP-C1002-01-X1   | 5-               |
|                    |                  | 5SCR   | .      |                    |                  | 5SCR     | .      |                    | PE               |
|                    | PE               | OV/SCR   | .      |                    | PE               | OV/SCR   | .      |                    |                  |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =20-C-1002+JNDX-C1002-01-X1  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 82

= 20-C-1002  
 + JNDX-C1002-01  
 CURRENT PAGE

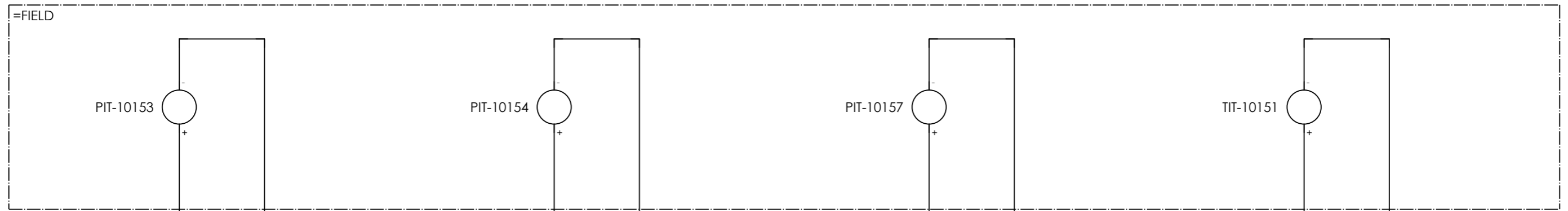
# JUNCTION BOX JIAX-C1002-01

## TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS AND CONTROL VALVE



|  |                          |                           |                                      |                        |           |                 |
|--|--------------------------|---------------------------|--------------------------------------|------------------------|-----------|-----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002     |
| EQUIPMENT NO.  | 20-C-1002                | TERMINAL STRIP DEFINITION |                                      | CHECKED BY             | RBE       | + JIAX-C1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE    |
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|  |                          | CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                 |
|  |                          | AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 83        |                 |



PIT-10153  
1Px1.5 mm<sup>2</sup>

BK WH

X2 1+ 1- 1SCR

+UCP-C1002-01-X2:1 +UCP-C1002-01/18.5 / T1+  
+UCP-C1002-01-X2:2 +UCP-C1002-01/18.6 / T1-  
ISE +UCP-C1002-01/18.7 / T1SCR

COMPRESSOR A  
INLET PRESSURE  
PIT-10153

PIT-10154  
1Px1.5 mm<sup>2</sup>

BK WH

2+ 2- 2SCR

+UCP-C1002-01-X2:3 +UCP-C1002-01/18.9 / T2+  
+UCP-C1002-01-X2:4 +UCP-C1002-01/18.10 / T2-  
ISE +UCP-C1002-01/18.10 / T2SCR

COMPRESSOR A  
OIL SYSTEM PRESSURE  
PIT-10154

PIT-10157  
1Px1.5 mm<sup>2</sup>

BK WH

3+ 3- 3SCR

+UCP-C1002-01-X2:5 +UCP-C1002-01/18.12 / T3+  
+UCP-C1002-01-X2:6 +UCP-C1002-01/18.13 / T3-  
ISE +UCP-C1002-01/18.14 / T3SCR

COMPRESSOR A  
1ST DOWNSTREAM INTERCOOLER PRESSURE  
PIT-10157

TIT-10151  
1Px1.5 mm<sup>2</sup>

BK WH

4+ 4- 4SCR

+UCP-C1002-01-X2:7 +UCP-C1002-01/18.16 / T4+  
+UCP-C1002-01-X2:8 +UCP-C1002-01/18.16 / T4-  
ISE +UCP-C1002-01/18.17 / T4SCR

COMPRESSOR A  
INLET TEMPERATURE  
TIT-10151

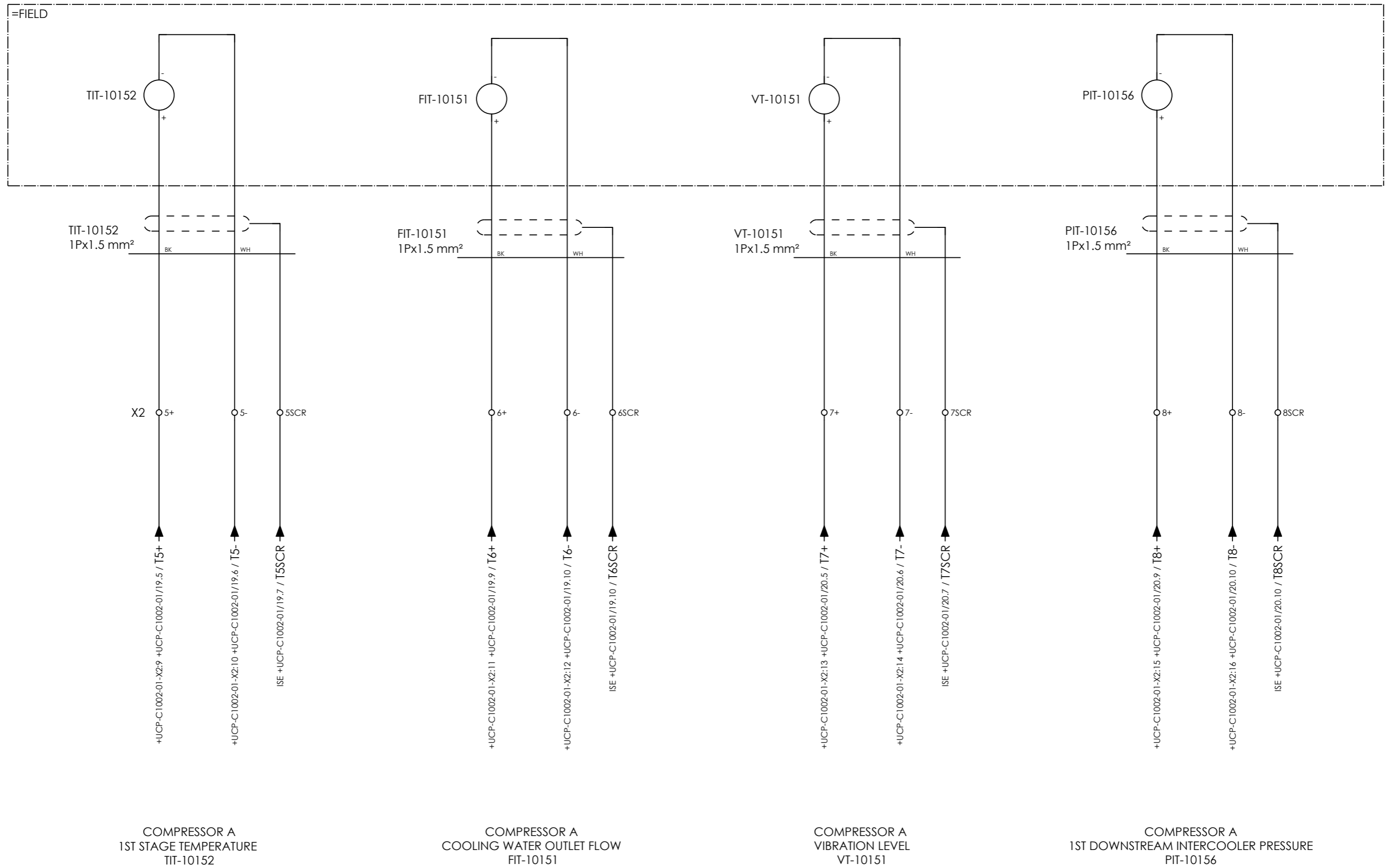


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| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
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| SUBJECT<br>CONNECTION TRANSMITTERS |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 84        |

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| = 20-C-1002     |
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| CURRENT PAGE    |



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| SUBJECT<br>CONNECTION TRANSMITTERS |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 85        |

|                 |
|-----------------|
| = 20-C-1002     |
| + JIAX-C1002-01 |
| CURRENT PAGE    |



PIT-10158  
1Px1.5 mm<sup>2</sup>  
BK WH

X2 9+ 9- 9SCR

+UCP-C1002-01-X2:17 +UCP-C1002-01/20.12 / T9+  
+UCP-C1002-01-X2:18 +UCP-C1002-01/20.13 / T9-  
ISE +UCP-C1002-01/20.14 / T9SCR

COMPRESSOR A  
OUTLET PRESSURE  
PIT-10158

PIT-10159  
1Px1.5 mm<sup>2</sup>  
BK WH

10+ 10- 10SCR

+UCP-C1002-01-X2:19 +UCP-C1002-01/20.16 / T10+  
+UCP-C1002-01-X2:20 +UCP-C1002-01/20.16 / T10-  
ISE +UCP-C1002-01/20.17 / T10SCR

COMPRESSOR A  
OUTLET PRESSURE  
PIT-10159

TIT-10153  
1Px1.5 mm<sup>2</sup>  
BK WH

11+ 11- 11SCR

+UCP-C1002-01-X2:21 +UCP-C1002-01/21.5 / T11+  
+UCP-C1002-01-X2:22 +UCP-C1002-01/21.6 / T11-  
ISE +UCP-C1002-01/21.7 / T11SCR

COMPRESSOR A  
1ST STAGE TEMPERATURE  
TIT-10153

TIT-10154  
1Px1.5 mm<sup>2</sup>  
BK WH

12+ 12- 12SCR

+UCP-C1002-01-X2:23 +UCP-C1002-01/21.9 / T12+  
+UCP-C1002-01-X2:24 +UCP-C1002-01/21.10 / T12-  
ISE +UCP-C1002-01/21.10 / T12SCR

COMPRESSOR A  
1ST DOWNSTREAM INTERCOOLER  
TEMPERATURE  
TIT-10154

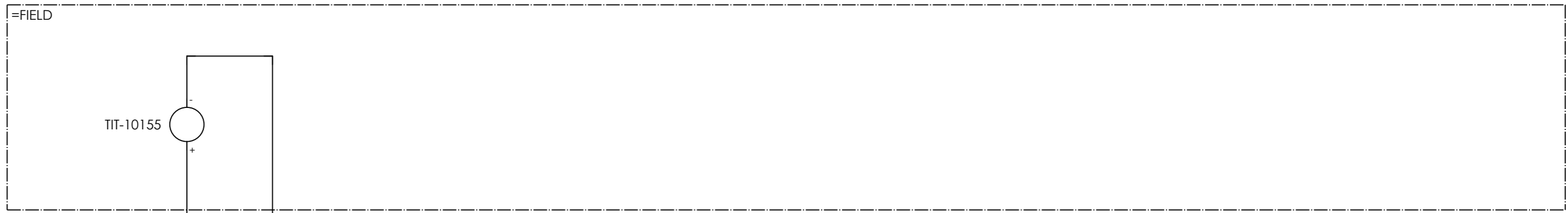


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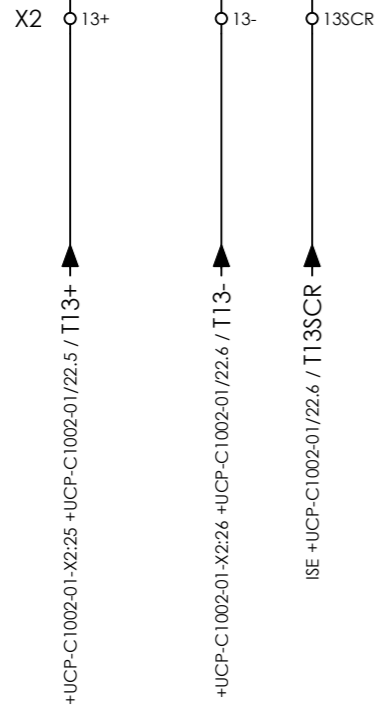
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| SUBJECT<br>CONNECTION TRANSMITTERS |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
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| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 86        |

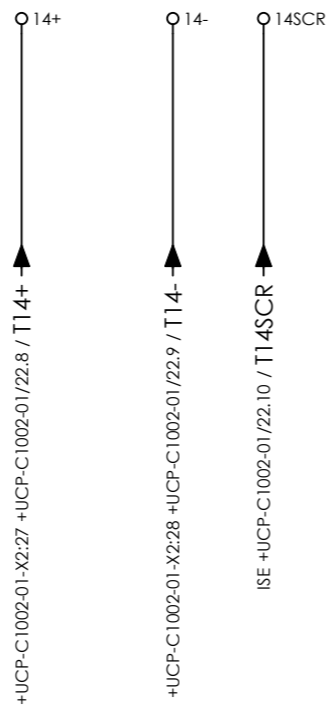
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| = 20-C-1002     |
| + JIAX-C1002-01 |
| CURRENT PAGE    |



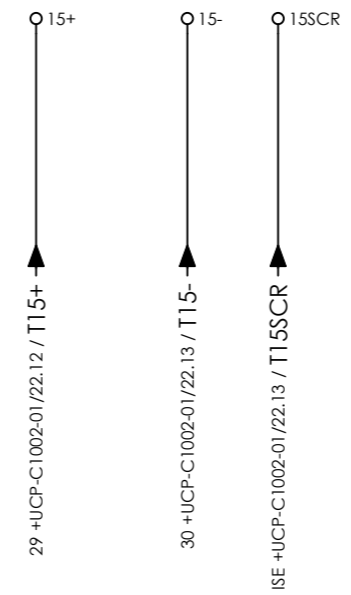
TIT-10155  
1Px1.5 mm<sup>2</sup>  
BK WH



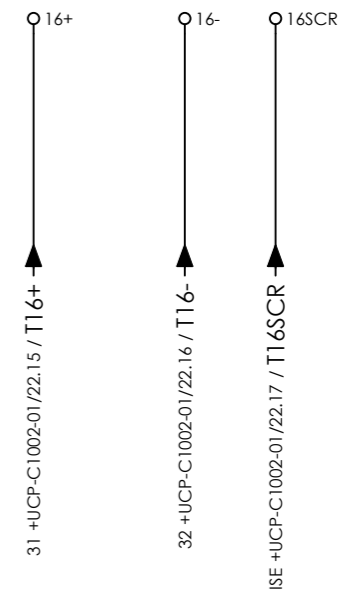
COMPRESSOR A  
2ND UPSTREAM INTERCOOLER  
TEMPERATURE  
TIT-10155



SPARE



SPARE



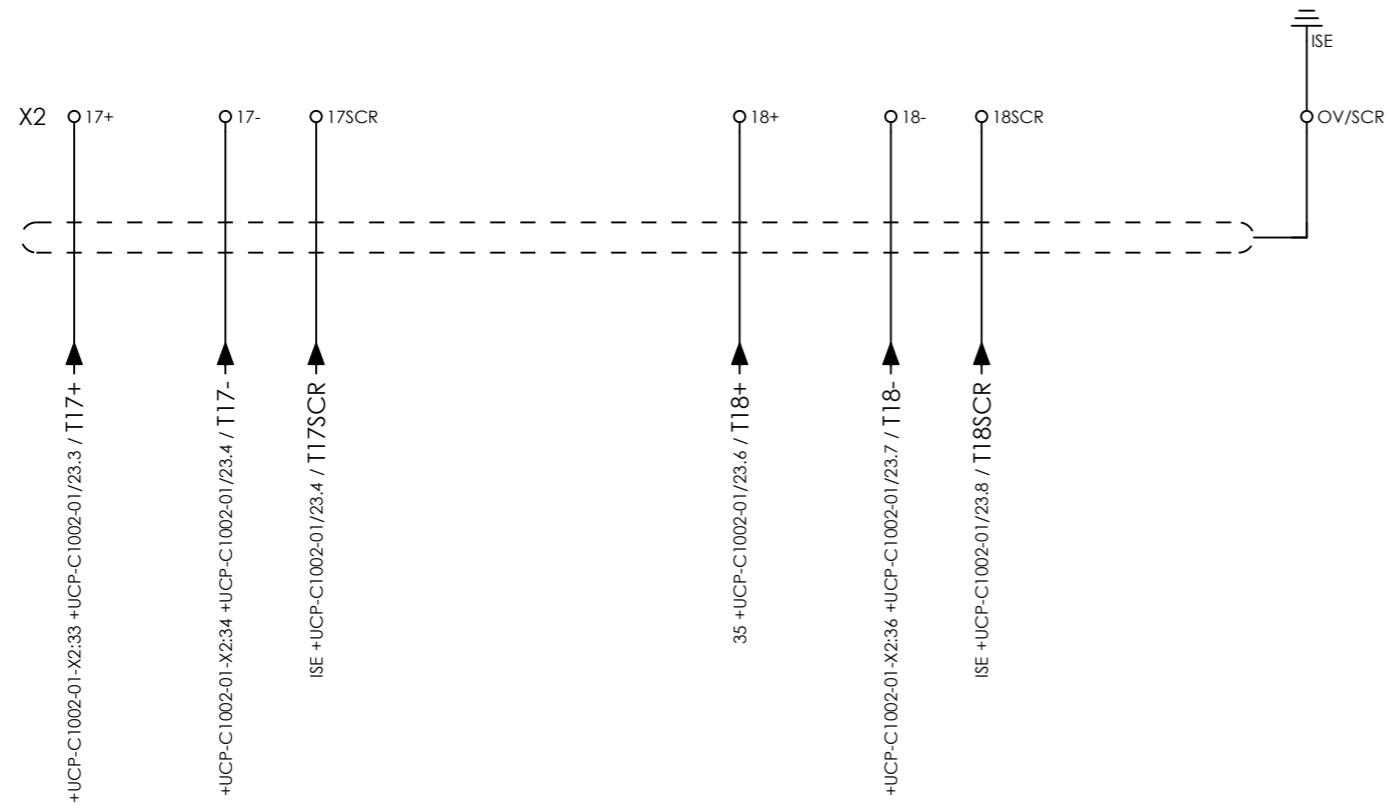
SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|------------------------------------|--------------------------------------|
| SUBJECT<br>CONNECTION TRANSMITTERS |                                      |
| ADAPTED TO P&ID REVISION           | 05                                   |
| CLIENT                             | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                        | Bushehr MEG Plant Project            |
| AIRPACK REF.                       | 17811-05A                            |

|                        |           |                 |
|------------------------|-----------|-----------------|
| DRAWN BY               | MaGo      | = 20-C-1002     |
| CHECKED BY             | RBE       | + JIAX-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE    |
| AIRPACK DWG NO.        | 17811-05  |                 |
| REVISION               | 06        |                 |
| TOTAL PAGE AMOUNT      | 87        |                 |



SPARE

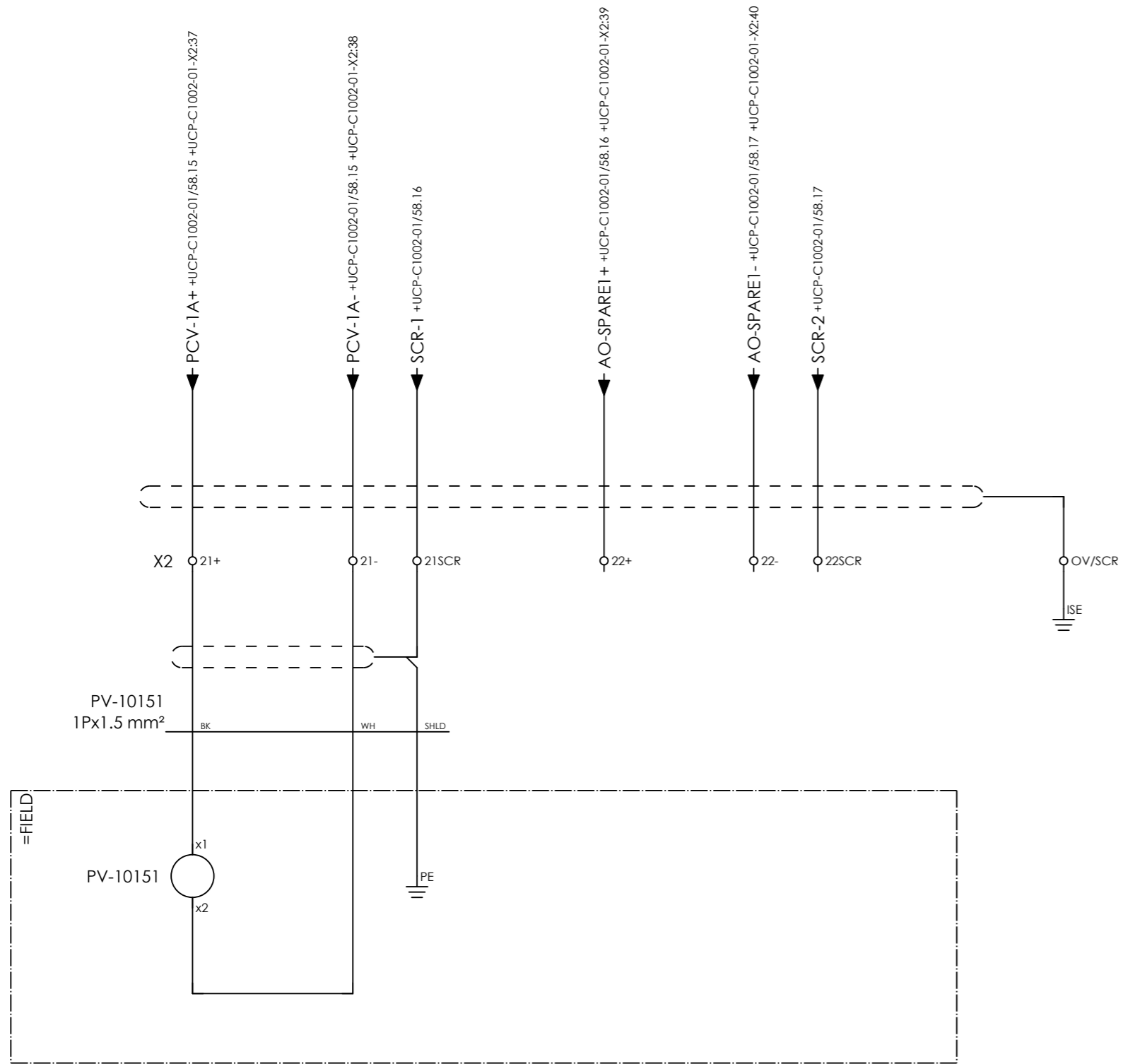
SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|--------------------------|--------------------------------------|-------------------------|--|
| SUBJECT                  |                                      | CONNECTION TRANSMITTERS |  |
| ADAPTED TO P&ID REVISION | 05                                   |                         |  |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |                         |  |
| CLIENT REF.              | Bushehr MEG Plant Project            |                         |  |
| AIRPACK REF.             | 17811-05A                            |                         |  |

|                        |           |                 |
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| DRAWN BY               | MaGo      | = 20-C-1002     |
| CHECKED BY             | RBE       | + JIAX-C1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE    |
| AIRPACK DWG NO.        | 17811-05  |                 |
| REVISION               | 06        |                 |
| TOTAL PAGE AMOUNT      | 88        |                 |



COMPRESSOR A  
OUTLET  
CONTROL VALVE  
PV-10151

SPARE



|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|-------------------------------------|--------------------------------------|
| SUBJECT<br>CONNECTION CONTROL VALVE |                                      |
| ADAPTED TO P&ID REVISION            | 05                                   |
| CLIENT                              | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                         | Bushehr MEG Plant Project            |
| AIRPACK REF.                        | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
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| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 89        |

|                 |
|-----------------|
| = 20-C-1002     |
| + JIAX-C1002-01 |
| CURRENT PAGE    |

# Terminal diagram

| Cable name |            | Strip<br>=20-C-1002+JIAX-C1002-01-X2<br>CONNECTION TRANSMITTERS AND CONTROL VALVE |                  |          |        |                    |                  | Cable name            |              |
|------------|------------|---|------------------|----------|--------|--------------------|------------------|-----------------------|--------------|
|            |            | Target designation  | Connection point | Terminal | Jumper | Target designation | Connection point |                       |              |
| -TIT-10152 | 1Px1.5 mm² | =FIELD-PIT-10153  | +                | 1+       | .      | +UCP-C1002-01-X2   | 1                | +UCP-C1002-01-TR_COMA | 20Px0,75 mm² |
| -TIT-10151 | 1Px1.5 mm² | =FIELD-PIT-10153  | -                | 1-       | .      | +UCP-C1002-01-X2   | 2                |                       |              |
| -PIT-10157 | 1Px1.5 mm² | -PIT-10003  |                  | 1SCR     | .      |                    | ISE              |                       |              |
| -PIT-10154 | 1Px1.5 mm² | =FIELD-PIT-10154  | +                | 2+       | .      | +UCP-C1002-01-X2   | 3                |                       |              |
| -PIT-10153 | 1Px1.5 mm² | =FIELD-PIT-10154  | -                | 2-       | .      | +UCP-C1002-01-X2   | 4                |                       |              |
|            |            | -PIT-10004  |                  | 2SCR     | .      |                    | ISE              |                       |              |
|            |            | =FIELD-PIT-10157  | +                | 3+       | .      | +UCP-C1002-01-X2   | 5                |                       |              |
|            |            | =FIELD-PIT-10157  | -                | 3-       | .      | +UCP-C1002-01-X2   | 6                |                       |              |
|            |            | -PIT-10007  |                  | 3SCR     | .      |                    | ISE              |                       |              |
|            |            | =FIELD-TIT-10151  | +                | 4+       | .      | +UCP-C1002-01-X2   | 7                |                       |              |
|            |            | =FIELD-TIT-10151  | -                | 4-       | .      | +UCP-C1002-01-X2   | 8                |                       |              |
|            |            | -TIT-10001  |                  | 4SCR     | .      |                    | ISE              |                       |              |
|            |            | =FIELD-TIT-10152  | +                | 5+       | .      | +UCP-C1002-01-X2   | 9                |                       |              |
|            |            | =FIELD-TIT-10152  | -                | 5-       | .      | +UCP-C1002-01-X2   | 10               |                       |              |
|            |            | -TIT-10002  |                  | 5SCR     | .      |                    | ISE              |                       |              |
|            |            | =FIELD-FIT-10151  | +                | 6+       | .      | +UCP-C1002-01-X2   | 11               |                       |              |
|            |            | =FIELD-FIT-10151  | -                | 6-       | .      | +UCP-C1002-01-X2   | 12               |                       |              |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
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SUBJECT Terminal diagram =20-C-1002+JIAX-C1002-01-X2  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

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 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 90

= 20-C-1002  
 + JIAX-C1002-01  
 CURRENT PAGE



# Terminal diagram

| Cable name         |                  |          |        | Strip  |                  |          |        |                    |                  |  | Cable name |  |
|--------------------|------------------|----------|--------|--|------------------|----------|--------|--------------------|------------------|--|------------|--|
|                    |                  |          |        | =20-C-1002+JIAX-C1002-01-X2<br>CONNECTION TRANSMITTERS AND CONTROL VALVE |                  |          |        |                    |                  |  |            |  |
| Target designation | Connection point | Terminal | Jumper | Target designation   | Connection point | Terminal | Jumper | Target designation | Connection point |  |            |  |
| -FT-10001          |                  | 11SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
| =FIELD-TIT-10154   | +                | 12+      | .      | +UCP-C1002-01-X2   | 23               |          |        |                    |                  |  |            |  |
| =FIELD-TIT-10154   | -                | 12-      | .      | +UCP-C1002-01-X2   | 24               |          |        |                    |                  |  |            |  |
| -VT-10001          |                  | 12SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
| =FIELD-TIT-10155   | +                | 13+      | .      | +UCP-C1002-01-X2   | 25               |          |        |                    |                  |  |            |  |
| =FIELD-TIT-10155   | -                | 13-      | .      | +UCP-C1002-01-X2   | 26               |          |        |                    |                  |  |            |  |
| -TIT-10001         |                  | 13SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 14+      | .      | +UCP-C1002-01-X2   | 27               |          |        |                    |                  |  |            |  |
|                    |                  | 14-      | .      | +UCP-C1002-01-X2   | 28               |          |        |                    |                  |  |            |  |
|                    |                  | 14SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 15+      | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 15-      | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 15SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 16+      | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 16-      | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 16SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 17+      | .      | +UCP-C1002-01-X2   | 33               |          |        |                    |                  |  |            |  |
|                    |                  | 17-      | .      | +UCP-C1002-01-X2   | 34               |          |        |                    |                  |  |            |  |
|                    |                  | 17SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 18+      | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | 18-      | .      | +UCP-C1002-01-X2   | 36               |          |        |                    |                  |  |            |  |
|                    |                  | 18SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | OV/SCR   | .      |  |                  |          |        |                    |                  |  |            |  |
|                    |                  | OV/SCR   | .      |  |                  |          |        |                    |                  |  |            |  |
| +UCP-C1002-01-X2   | 37               | 21+      | .      | =FIELD-PV-10151  | x1               |          |        |                    |                  |  |            |  |
| +UCP-C1002-01-X2   | 38               | 21-      | .      | =FIELD-PV-10151  | x2               |          |        |                    |                  |  |            |  |
|                    |                  | 21SCR    | .      |  |                  |          |        |                    | SHLD             |  |            |  |
|                    |                  | 22SCR    | .      |  |                  |          |        |                    |                  |  |            |  |
| +UCP-C1002-01-X2   | 39               | 22+      | .      |  |                  |          |        |                    |                  |  |            |  |
| +UCP-C1002-01-X2   | 40               | 22-      | .      |  |                  |          |        |                    |                  |  |            |  |



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 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 92

= 20-C-1002  
 + JIAX-C1002-01  
 CURRENT PAGE

TERMINAL STRIP DEFINITION

LOCAL CONTROL PANEL  
LP-C1002-01

X5 = CONNECTION PUSHBUTTONS AND LAMPS  
X9 = CONNECTION ESD BUTTON

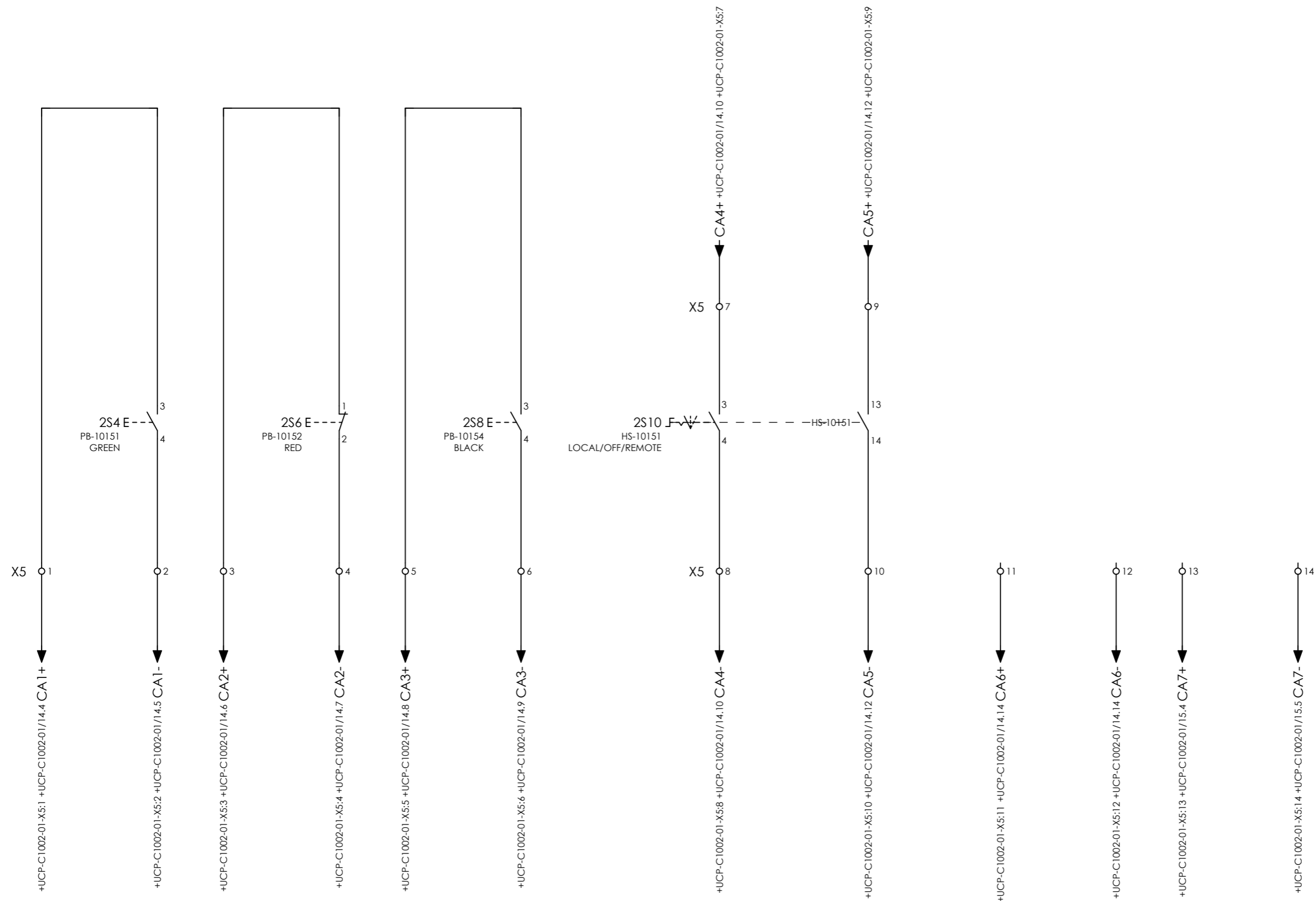


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
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|--------------------------------------|--------------------------------------|
| SUBJECT<br>TERMINAL STRIP DEFINITION |                                      |
| ADAPTED TO P&ID REVISION             | 05                                   |
| CLIENT                               | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                          | Bushehr MEG Plant Project            |
| AIRPACK REF.                         | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 93        |

|               |
|---------------|
| = 20-C-1002   |
| + LP-C1002-01 |
| CURRENT PAGE  |



COMPRESSOR A  
START  
PB-10151

COMPRESSOR A  
STOP  
PB-10152

COMPRESSOR A  
LAMPTEST  
PB-10154

COMPRESSOR A  
LOCAL  
HS-10151

COMPRESSOR A  
REMOTE  
HS-10151

SPARE

SPARE



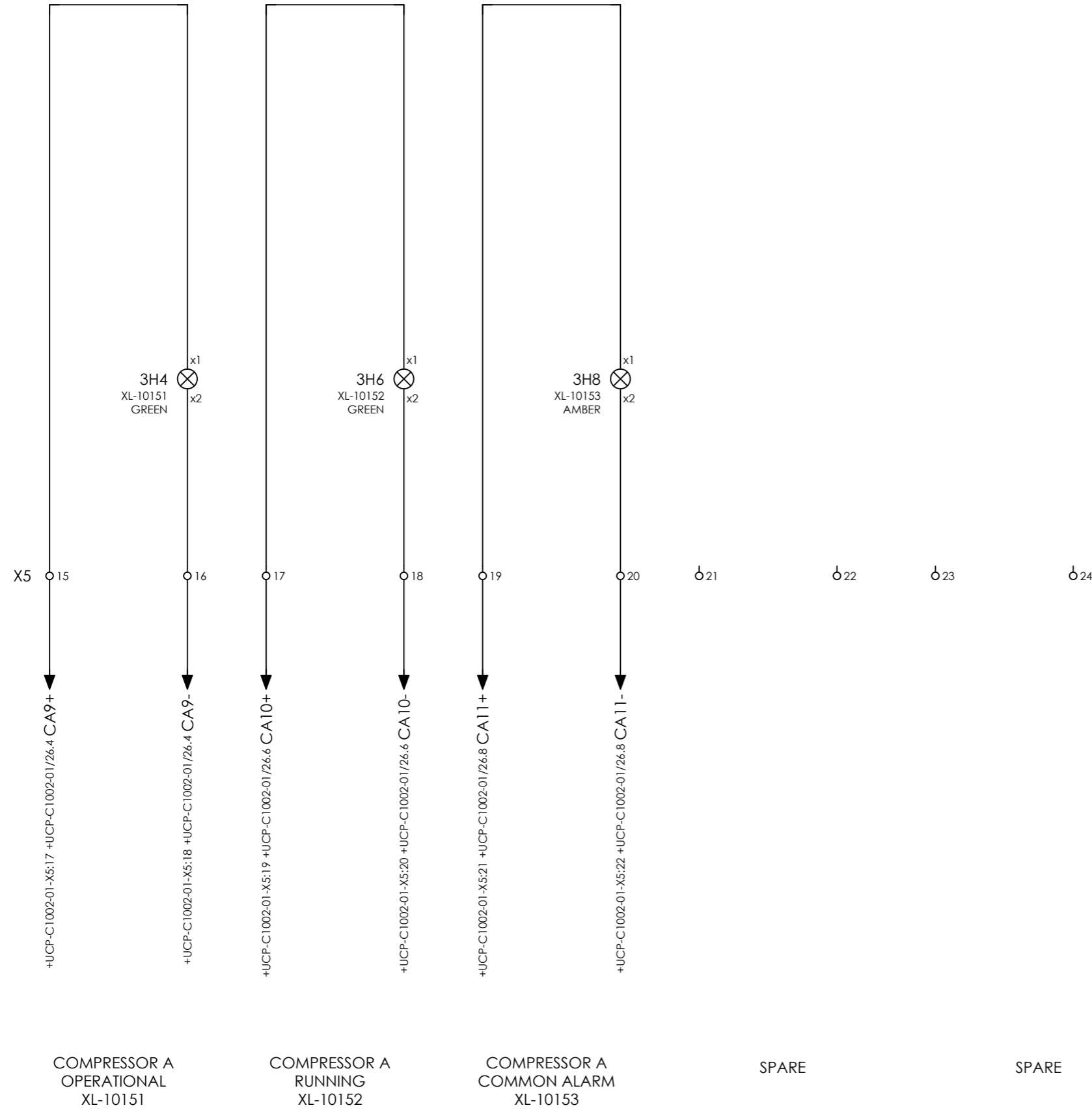
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| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

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|                                   |                                      |
|-----------------------------------|--------------------------------------|
| SUBJECT<br>CONNECTION PUSHBUTTONS |                                      |
| ADAPTED TO P&ID REVISION          | 05                                   |
| CLIENT                            | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                       | Bushehr MEG Plant Project            |
| AIRPACK REF.                      | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 94        |

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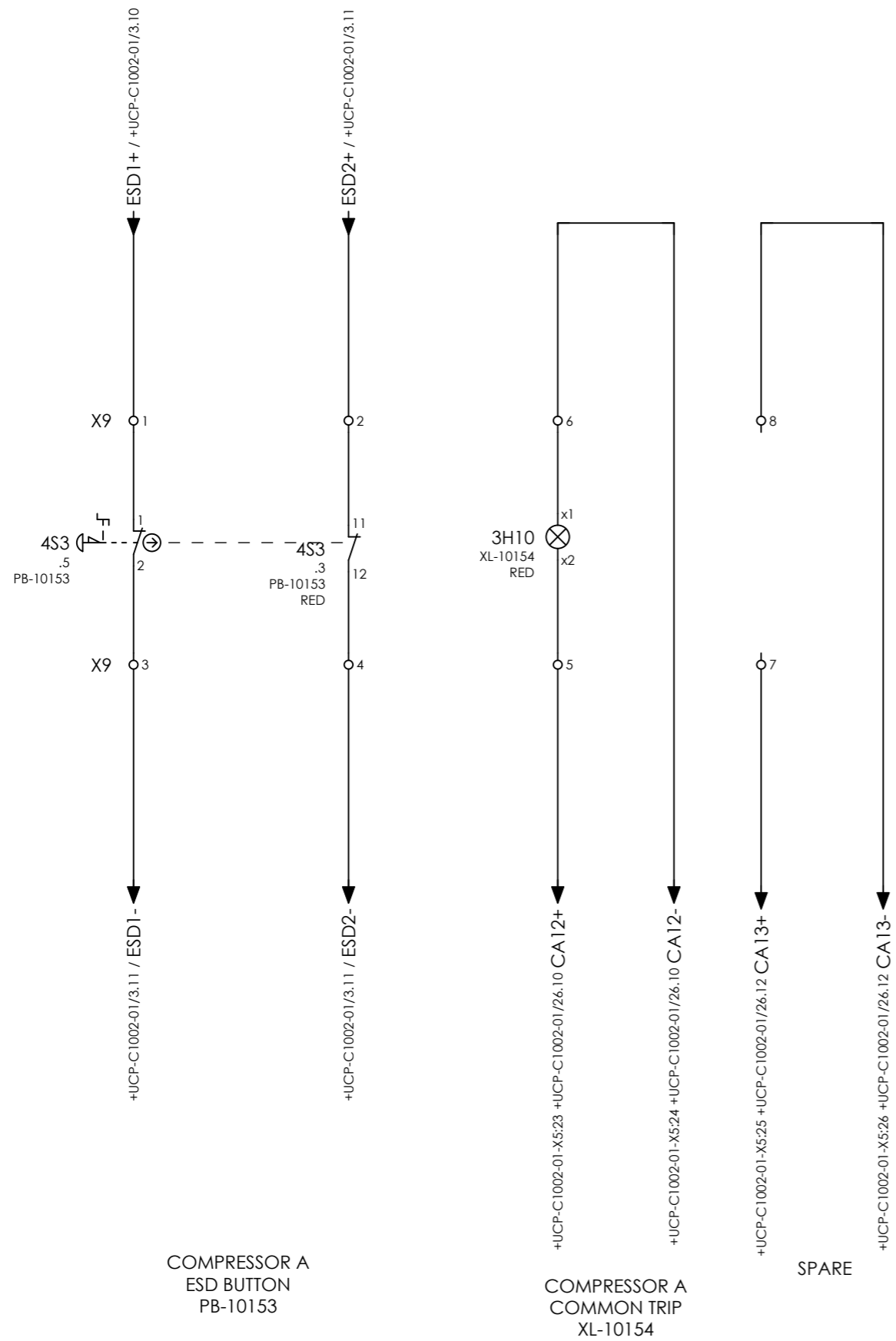


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|                             |                                      |
|-----------------------------|--------------------------------------|
| SUBJECT<br>CONNECTION LAMPS |                                      |
| ADAPTED TO P&ID REVISION    | 05                                   |
| CLIENT                      | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                 | Bushehr MEG Plant Project            |
| AIRPACK REF.                | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 95        |

|               |
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| = 20-C-1002   |
| + LP-C1002-01 |
| CURRENT PAGE  |



# Terminal diagram

| Cable name         |                  | Strip<br>=20-C-1002+LP-C1002-01-X5<br>CONNECTION PUSHBUTTONS AND LAMPS |        |                    |                  |          |                    | Cable name       |  |
|--------------------|------------------|--|--------|--------------------|------------------|----------|--------------------|------------------|--|
| Target designation | Connection point | Terminal   | Jumper | Target designation | Connection point | Terminal | Target designation | Connection point |  |
| +UCP-C1002-01-X5   | 1                | 1  | .      | -2S4               | 3                | 1        | +UCP-C1002-01-X5   | 1                |  |
| +UCP-C1002-01-X5   | 2                | 2  | .      | -2S4               | 4                | 2        | +UCP-C1002-01-X5   | 2                |  |
| +UCP-C1002-01-X5   | 3                | 3  | .      | -2S6               | 1                | 3        | +UCP-C1002-01-X5   | 3                |  |
| +UCP-C1002-01-X5   | 4                | 4  | .      | -2S6               | 2                | 4        | +UCP-C1002-01-X5   | 4                |  |
| +UCP-C1002-01-X5   | 5                | 5  | .      | -2S8               | 3                | 5        | +UCP-C1002-01-X5   | 5                |  |
| +UCP-C1002-01-X5   | 6                | 6  | .      | -2S8               | 4                | 6        | +UCP-C1002-01-X5   | 6                |  |
| -2S10              | 3                | 7  | .      | +UCP-C1002-01-X5   | 7                | 7        | -2S10              | 7                |  |
| +UCP-C1002-01-X5   | 8                | 8  | .      | -2S10              | 4                | 8        | +UCP-C1002-01-X5   | 8                |  |
| -2S10              | 13               | 9  | .      | +UCP-C1002-01-X5   | 9                | 9        | -2S10              | 9                |  |
| +UCP-C1002-01-X5   | 10               | 10   | .      | -2S10              | 14               | 10       | +UCP-C1002-01-X5   | 10               |  |
| +UCP-C1002-01-X5   | 11               | 11   | .      |                    |                  | 11       | +UCP-C1002-01-X5   | 11               |  |
| +UCP-C1002-01-X5   | 12               | 12   | .      |                    |                  | 12       | +UCP-C1002-01-X5   | 12               |  |
| +UCP-C1002-01-X5   | 13               | 13   | .      |                    |                  | 13       | +UCP-C1002-01-X5   | 13               |  |
| +UCP-C1002-01-X5   | 14               | 14   | .      |                    |                  | 14       | +UCP-C1002-01-X5   | 14               |  |
| +UCP-C1002-01-X5   | 17               | 15   | .      | -3H4               | x1               | 15       | +UCP-C1002-01-X5   | 15               |  |
| +UCP-C1002-01-X5   | 18               | 16   | .      | -3H4               | x2               | 16       | +UCP-C1002-01-X5   | 16               |  |
| +UCP-C1002-01-X5   | 19               | 17   | .      | -3H6               | x1               | 17       | +UCP-C1002-01-X5   | 17               |  |
| +UCP-C1002-01-X5   | 20               | 18   | .      | -3H6               | x2               | 18       | +UCP-C1002-01-X5   | 18               |  |
| +UCP-C1002-01-X5   | 21               | 19   | .      | -3H8               | x1               | 19       | +UCP-C1002-01-X5   | 19               |  |
| +UCP-C1002-01-X5   | 22               | 20   | .      | -3H8               | x2               | 20       | +UCP-C1002-01-X5   | 20               |  |
|                    |                  | 21   | .      |                    |                  | 21       |                    |                  |  |
|                    |                  | 22   | .      |                    |                  | 22       |                    |                  |  |
|                    |                  | 23   | .      |                    |                  | 23       |                    |                  |  |
|                    |                  | 24   | .      |                    |                  | 24       |                    |                  |  |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
 THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

SUBJECT Terminal diagram =20-C-1002+LP-C1002-01-X5  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 97

= 20-C-1002  
 + LP-C1002-01  
 CURRENT PAGE

| Cable name |                  | Strip<br>=20-C-1002+LP-C1002-01-X9<br>CONNECTION ESD BUTTON |          |                  |                    |        |                    | Cable name       |          |
|------------|------------------|---|----------|------------------|--------------------|--------|--------------------|------------------|----------|
| Terminal   | Connection point | Target designation  | Terminal | Connection point | Target designation | Jumper | Target designation | Connection point | Terminal |
| 1          | 1                | +UCP-C1002-01-X9  | 1        | 1                | -4S3               | .      | PB-10153           | 1                |          |
| 3          | 3                | +UCP-C1002-01-X9  | 3        | 3                | -4S3               | .      | PB-10153           | 2                |          |
| 2          | 2                | +UCP-C1002-01-X9  | 2        | 2                | -4S3               | .      | PB-10153           | 11               |          |
| 4          | 4                | +UCP-C1002-01-X9  | 4        | 4                | -4S3               | .      | PB-10153           | 12               |          |
| 5          | 23               | +UCP-C1002-01-X5  | 5        | 5                | -3H10              | .      | XL-10154           | X2               |          |
| 6          | 24               | +UCP-C1002-01-X5  | 6        | 6                | -3H10              | .      | XL-10154           | X1               |          |
| 7          | 25               | +UCP-C1002-01-X5  | 7        | 7                |                    | .      |                    |                  |          |
| 8          | 26               | +UCP-C1002-01-X5  | 8        | 8                |                    | .      |                    |                  |          |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =20-C-1002+LP-C1002-01-X9  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 98

= 20-C-1002  
 + LP-C1002-01  
 CURRENT PAGE

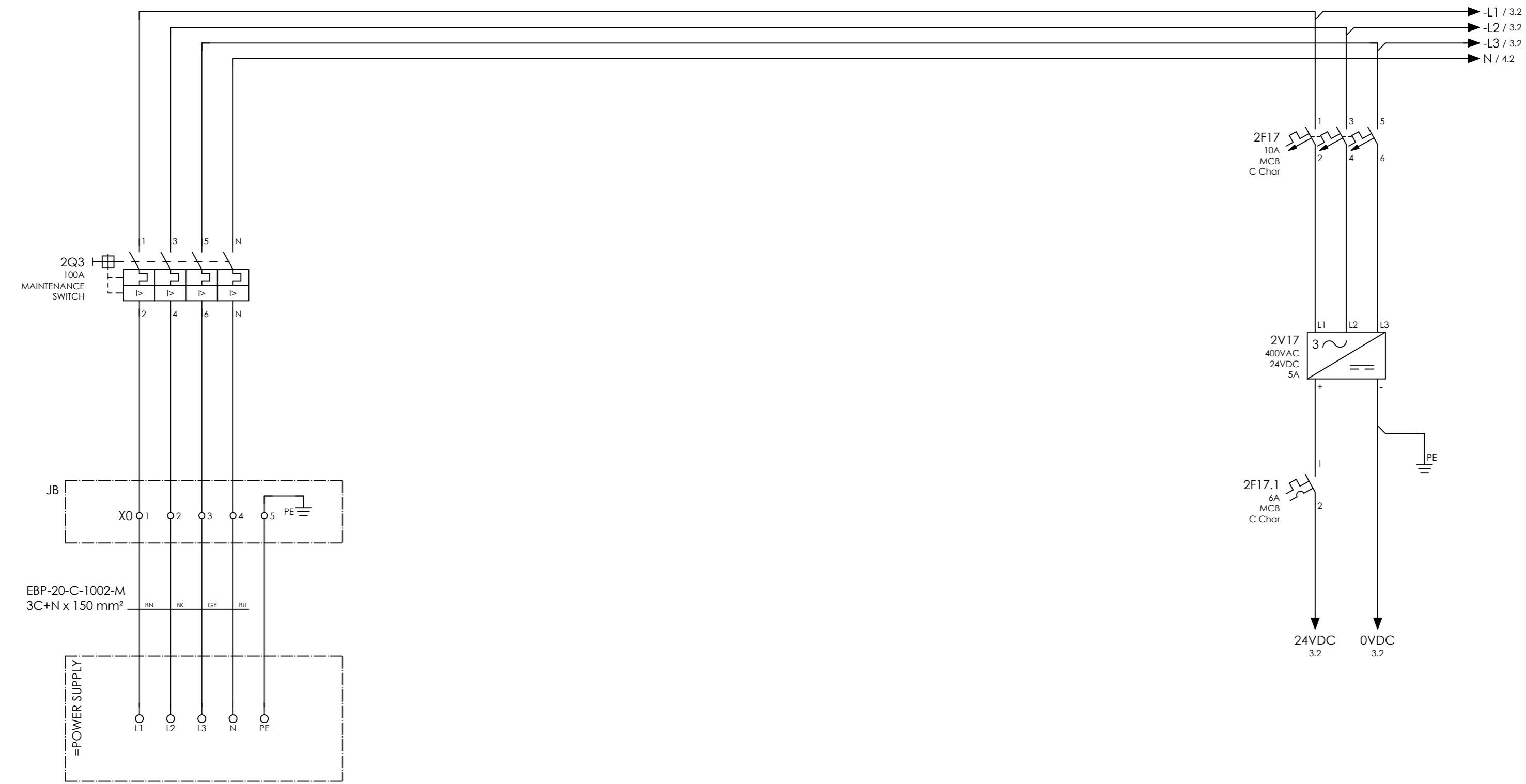
# POWER DISTRIBUTION BOARD PD-C-1002-01

## TERMINAL STRIP DEFINITION

X0 = POWER SUPPLY 400VAC FROM CUSTOMER  
 X1 = MAIN MOTOR  
 X2 = OIL HEATER  
 X8 = SIGNALS TO / FROM UCP  
 X10 = CONNECTION PT100



|  |                          |                           |                                      |                        |           |                |
|--|--------------------------|---------------------------|--------------------------------------|------------------------|-----------|----------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT                   |                                      | DRAWN BY               | MaGo      | = 20-C-1002    |
| EQUIPMENT NO.  | 20-C-1002                | TERMINAL STRIP DEFINITION |                                      | CHECKED BY             | RBE       | + PD-C-1002-01 |
| EQUIPMENT LOCATION   | Iran, Onshore            | ADAPTED TO P&ID REVISION  | 05                                   | LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          | CLIENT                    | Bushehr Petrochemical Company (BUPC) | AIRPACK DWG NO.        | 17811-05  |                |
|  |                          | CLIENT REF.               | Bushehr MEG Plant Project            | REVISION               | 06        |                |
|  |                          | AIRPACK REF.              | 17811-05A                            | TOTAL PAGE AMOUNT      | 99        |                |



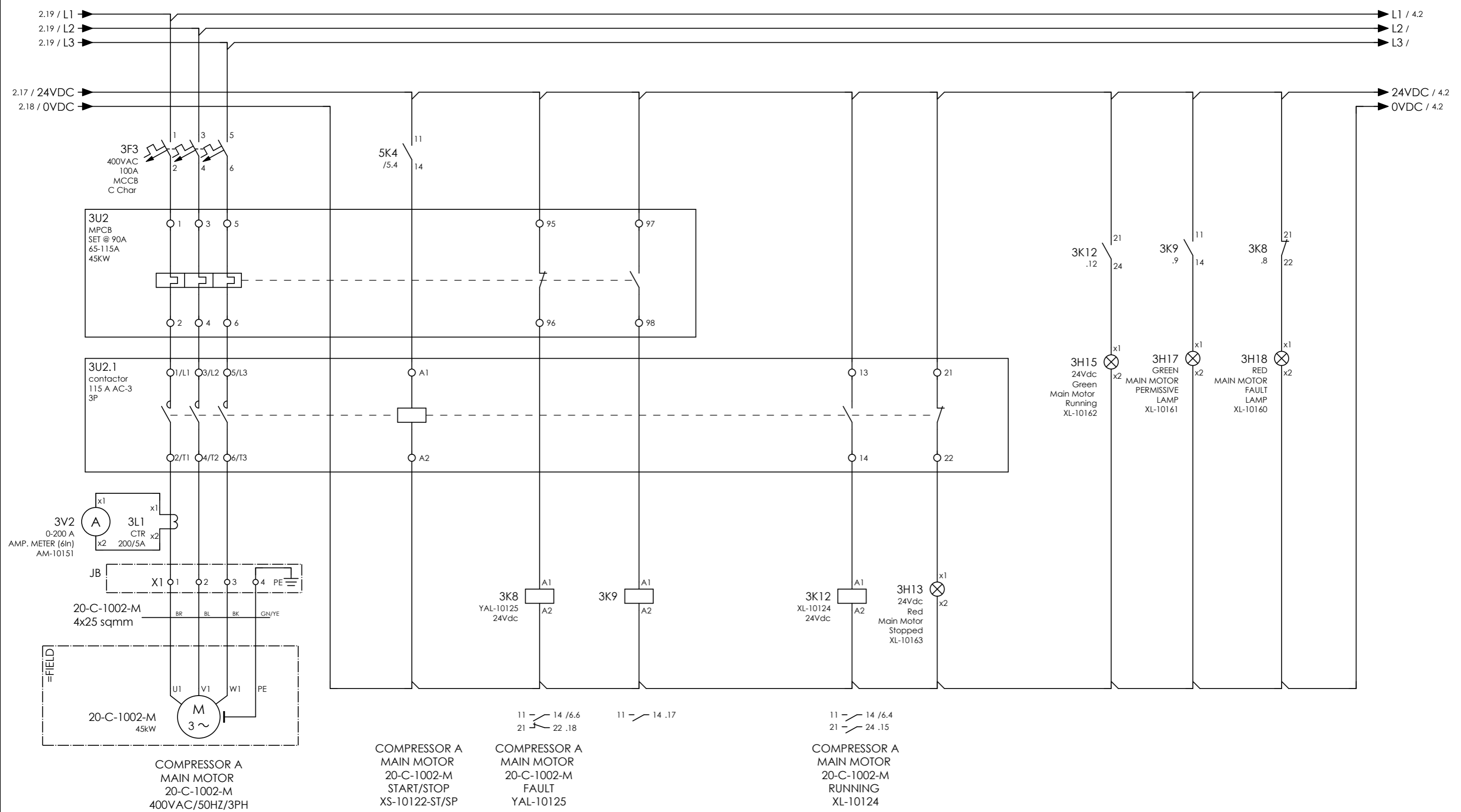
POWER SUPPLY  
FROM CUSTOMER  
400VAC/50HZ/3PH/N/PE

From: SWB3B-01 (0.4KV)  
Cable Type and Size: CU/XLPE/SWA/PVC3.5\*150mm2  
Gland: EX-IP65, C2/M63



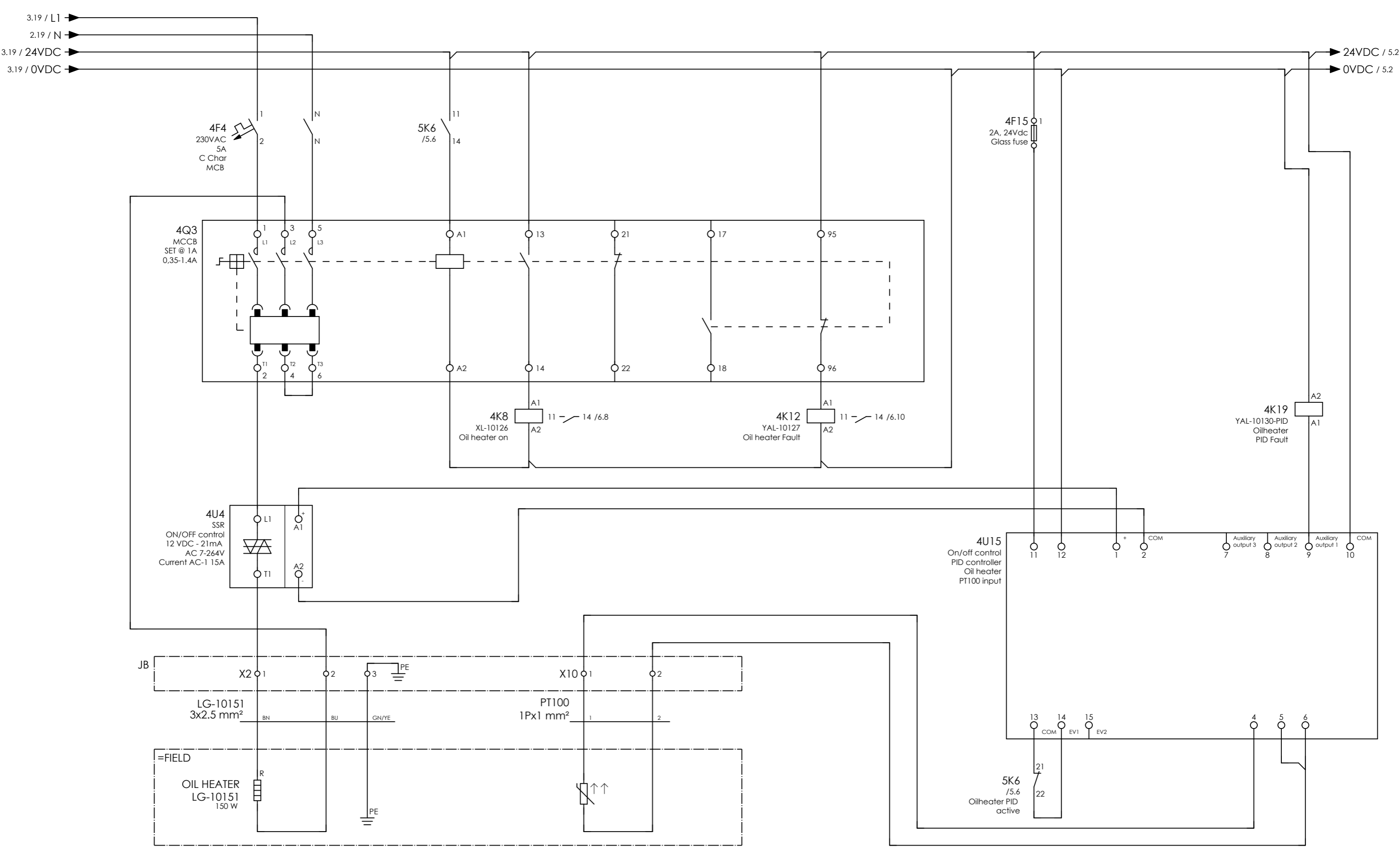
|  |                          |                          |                                      |
|--|--------------------------|--------------------------|--------------------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT<br>POWER SUPPLY  |                                      |
| EQUIPMENT NO.  | 20-C-1002                | ADAPTED TO P&ID REVISION | 05                                   |
| EQUIPMENT LOCATION   | Iran, Onshore            | CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION! |                          | CLIENT REF.              | Bushehr MEG Plant Project            |
|  |                          | AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + PD-C-1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 100       |                |



|  |                          |                          |                                      |
|--|--------------------------|--------------------------|--------------------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 | SUBJECT<br>MAIN MOTOR    |                                      |
| EQUIPMENT NO.  | 20-C-1002                | ADAPTED TO P&ID REVISION | 05                                   |
| EQUIPMENT LOCATION   | Iran, Onshore            | CLIENT                   | Bushehr Petrochemical Company (BUPC) |
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|  |                          | AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + PD-C-1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 101       |                |



OIL HEATER LG-10151  
230VAC/50HZ/1PH

11 - 14 /6.13

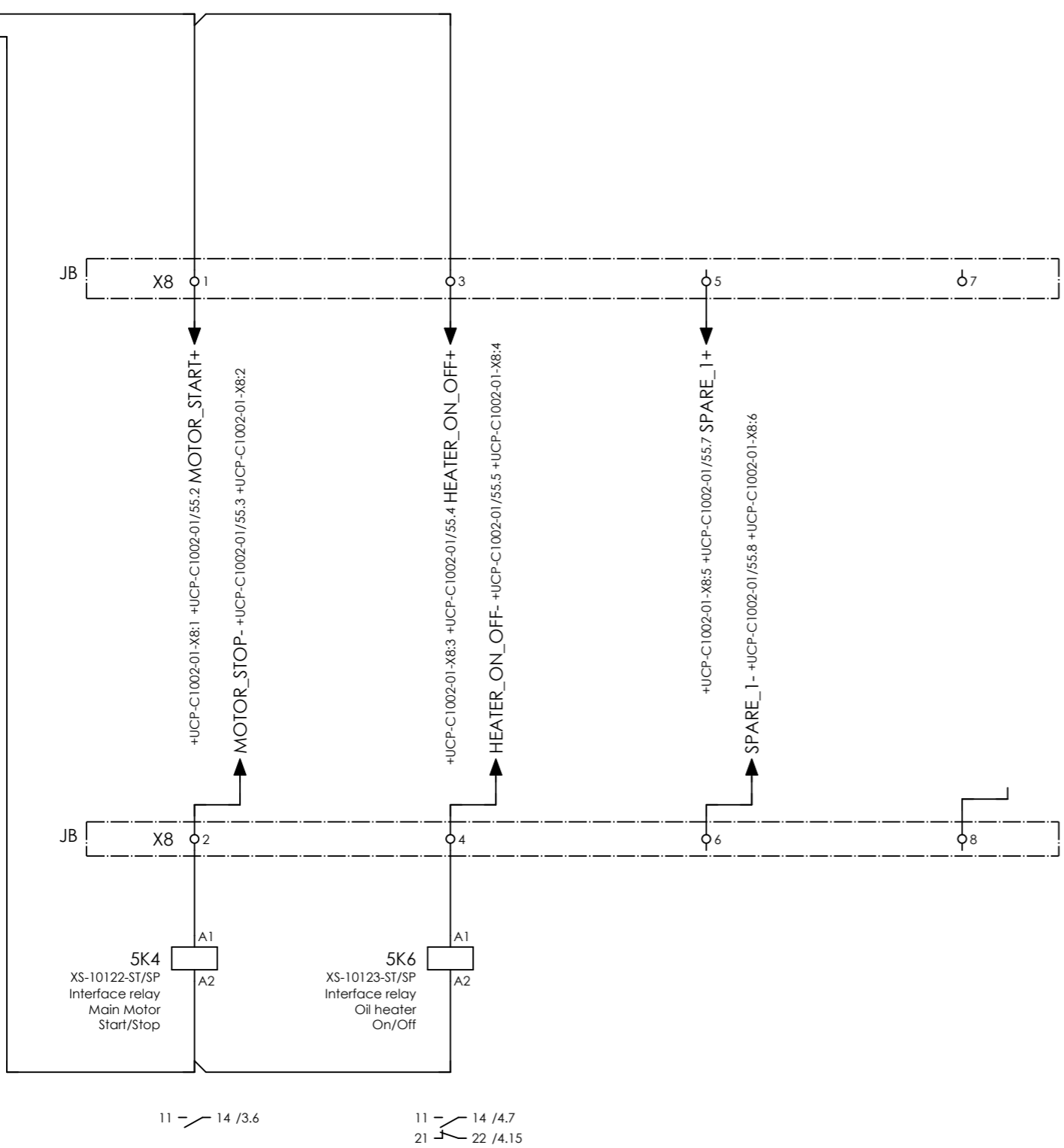


|  |                          |
|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|                          |                                      |
|--------------------------|--------------------------------------|
| SUBJECT<br>OIL HEATER    |                                      |
| ADAPTED TO P&ID REVISION | 05                                   |
| CLIENT                   | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.              | Bushehr MEG Plant Project            |
| AIRPACK REF.             | 17811-05A                            |

|                        |           |                |
|------------------------|-----------|----------------|
| DRAWN BY               | MaGo      | = 20-C-1002    |
| CHECKED BY             | RBE       | + PD-C-1002-01 |
| LAST MODIFICATION DATE | 13-7-2022 | CURRENT PAGE   |
| AIRPACK DWG NO.        | 17811-05  |                |
| REVISION               | 06        |                |
| TOTAL PAGE AMOUNT      | 102       |                |

4.19 / 24VDC  
4.19 / -0VDC



COMPRESSOR A  
MAIN MOTOR 20-C-1002-M  
START/STOP  
XS-10122-ST/SP

COMPRESSOR A  
OIL HEATER LG-10151  
ON/OFF  
XS-10123-ST/SP

SPARE

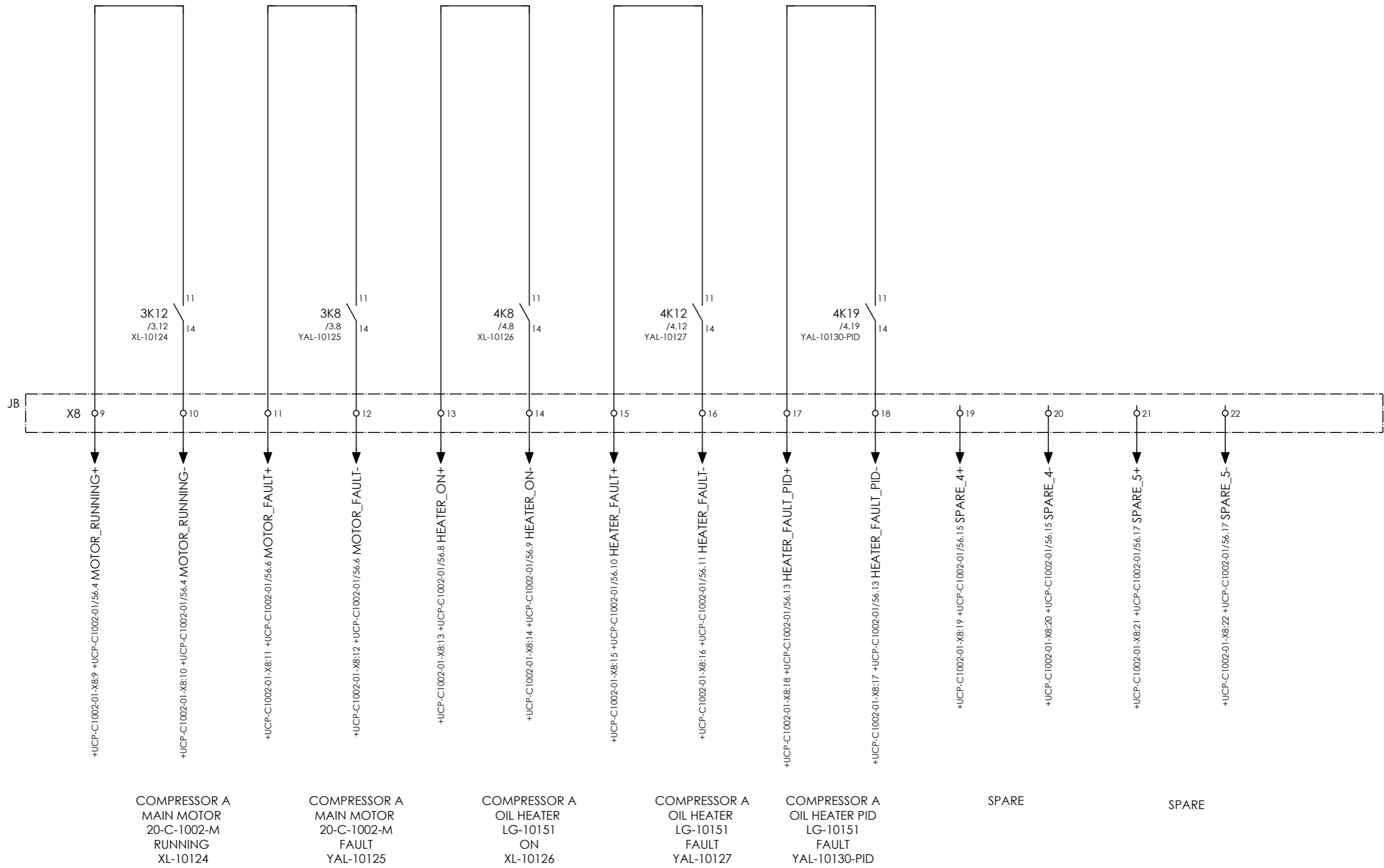


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|--|--------------------------|
| CLIENT DWG NO.   | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.  | 20-C-1002                |
| EQUIPMENT LOCATION   | Iran, Onshore            |
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|                             |                                      |
|-----------------------------|--------------------------------------|
| SUBJECT<br>SIGNALS FROM UCP |                                      |
| ADAPTED TO P&ID REVISION    | 05                                   |
| CLIENT                      | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.                 | Bushehr MEG Plant Project            |
| AIRPACK REF.                | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 103       |

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| = 20-C-1002    |
| + PD-C-1002-01 |
| CURRENT PAGE   |



|                    |                          |
|--------------------|--------------------------|
| CLIENT DWG NO.     | BU-20-VD-303-IN-DIG-0043 |
| EQUIPMENT NO.      | 20-C-1002                |
| EQUIPMENT LOCATION | Iran, Onshore            |

|                           |                                      |
|---------------------------|--------------------------------------|
| SUBJECT<br>SIGNALS TO UCP |                                      |
| ADAPTED TO P&ID REVISION  | 05                                   |
| CLIENT                    | Bushehr Petrochemical Company (BUPC) |
| CLIENT REF.               | Bushehr MEG Plant Project            |
| AIRPACK REF.              | 17811-05A                            |

|                        |           |
|------------------------|-----------|
| DRAWN BY               | MaGo      |
| CHECKED BY             | RBE       |
| LAST MODIFICATION DATE | 13-7-2022 |
| AIRPACK DWG NO.        | 17811-05  |
| REVISION               | 06        |
| TOTAL PAGE AMOUNT      | 104       |

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| = 20-C-1002    |
| + PD-C-1002-01 |
| CURRENT PAGE   |

# Terminal diagram

| Cable name |                  | Strip<br>=20-C-1002+PD-C-1002-01-X0<br>POWER SUPPLY 400VAC FROM CUSTOMER |        |                    |                  |          | Cable name       |  |
|------------|------------------|--|--------|--------------------|------------------|----------|------------------|--|
| Terminal   | Connection point | Target designation   | Jumper | Target designation | Connection point | Terminal | Connection point |  |
| 1          | 2                | L1   | .      | -2Q3               |                  | BN       |                  |  |
| 2          | 4                | L2   | .      | -2Q3               |                  | BK       |                  |  |
| 3          | 6                | L3   | .      | -2Q3               |                  | GY       |                  |  |
| 4          | N                | N  | .      | -2Q3               |                  | BU       |                  |  |
| 5          |                  | PE   | .      | PE                 |                  |          |                  |  |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =20-C-1002+PD-C-1002-01-X0  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 105

= 20-C-1002  
 + PD-C-1002-01  
 CURRENT PAGE

# Terminal diagram

| Cable name |                  | Strip<br>=20-C-1002+PD-C-1002-01-X1<br>MAIN MOTOR |                    |                  |                    | Cable name |                  |
|------------|------------------|---|--------------------|------------------|--------------------|------------|------------------|
| Terminal   | Connection point | Jumper  | Target designation | Connection point | Target designation | Terminal   | Connection point |
| 1          | U1               | .   | =FIELD-20-C-1002-M | 2/T1             | -3U2.1             | 1          | BR               |
| 2          | V1               | .   | =FIELD-20-C-1002-M | 4/T2             | -3U2.1             | 2          | BL               |
| 3          | W1               | .   | =FIELD-20-C-1002-M | 6/T3             | -3U2.1             | 3          | BK               |
| 4          | PE               | .   | =FIELD-20-C-1002-M |                  | PE                 | 4          | GN/YE            |



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0043  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =20-C-1002+PD-C-1002-01-X1  
 ADAPTED TO P&ID REVISION 05  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-05A

DRAWN BY MaGo  
 CHECKED BY RBE  
 LAST MODIFICATION DATE 13-7-2022  
 AIRPACK DWG NO. 17811-05  
 REVISION 06  
 TOTAL PAGE AMOUNT 106

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 + PD-C-1002-01  
 CURRENT PAGE





