






OWNER 	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerehimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	Wiring Diagram (including Terminal Diagram) for reciprocating compressor								
MC :  شرکت سفت و سوی توسعه ایرانیان	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-05	BU	20	VD	303	IN	DIG	0043	Rev.:	Page
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Prerequisite document such as I/O list JB wiring diagram shall be issued.

This document is checked only for compressor 7080. New document should be generated for compressor 1002.

Wiring Diagram (including Terminal Diagram) for reciprocating compressor

	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review	
Issue Purpose:	FA
Result Code: AP,AN,CM,RE,NC	CM
Next Status : IFC,IFA,IFI,AFC,AB	IFA
Responsible Department	MECHANICAL
Commented Date	May.05.2021
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.	

00	24/11/2020	For approval	HT	RB	KP	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: 1

OWNER  شرکت پتروشیمی بوستهر	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR: 	
	Wiring Diagram (including Terminal Diagram) for reciprocating compressor								
MC :  شرکت سفت و سوی توسعه ایرانیان	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-05	BU	20	VD	303	IN	DIG	0043	Rev.:	Page
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Airpack B.V.

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WEBPAGE : WWW.AIRPACK.NL

Client	:	Bushehr Petrochemical Company (BUPC)	
Equipment location	:	Iran, Onshore	
Client reference	:	Bushehr MEG Plant Project	
Client dwg. no.	:	N/A	
Airpack reference	:	17811-COM	
Airpack dwg. no.	:	17811-05	
Generation date	:	6-11-2020	
E & I manager	:	RBE	Revision no. : 00
Last modifications	:	24-11-2020	
Last modifications by	:	htaher	



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT Title page / cover sheet	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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NOTES ON ELECTRICAL DRAWINGS

As per MR
 Supply of PLC(S7 400FH) is in vendor scope of supply as well as Lap top for PLC programing is in vendor scope of supply (for each compressor). Supply of industrial workstation is in vendor scope of supply.

MAKE OF PLC IS SIEMENS **S7-400 H**

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

JB'S ARE WALL MOUNTED ON SKID
 MATERIAL: SS316
 INGRESS. PROTECTION: IP-65
 AREA CLASSIFICATION: Eex'e'

LCP ARE WALL MOUNTED ON SKID
 MATERIAL: SS316
 INGRESS. PROTECTION: IP-65
AREA CLASSIFICATION: Eex'e'

GLANDS: NICKEL PLATED BRASS GLANDS WITH PVC SHROUDS, ISO METRIC THREADS , IP-66
 CABLE TRAYS: GALVANIZED STEEL **WITHOUT COVER**

AMBIENT TEMPERATURE: 5 / 55 °C

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

COLOUR CODES INTERNAL WIRING

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



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SUBJECT Project description	
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CLIENT	Bushehr Petrochemical Company (BUPC)
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AIRPACK REF.	17811-COM

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/4	Table of contents : =COMA+UCP_A/28 - =COMB+UCP_B/10	4	24-11-2020	htaher
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/6	Table of contents : =COMB+LCP_B/2 - =COMB+LCP_B/8	6	24-11-2020	htaher
=COMA+UCP_A/1	TERMINAL STRIP DEFINITION	7	24-11-2020	htaher
=COMA+UCP_A/2	POWER SUPPLY	8	23-11-2020	htaher
=COMA+UCP_A/3	EMERGENCY SHUTDOWN	9	24-11-2020	htaher
=COMA+UCP_A/4	SOLENOIDS	10	24-11-2020	htaher
=COMA+UCP_A/5	PLC LAYOUT	11	23-11-2020	htaher
=COMA+UCP_A/6	IO RACK	12	24-11-2020	htaher
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CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
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SUBJECT Table of contents : /1 - =COMA+UCP_A/27
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 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT
 Table of contents : =COMB+UCP_B/11 - =COMB+LCP_B/1
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 CLIENT Bushehr Petrochemical Company (BUPC)
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TERMINAL STRIP DEFINITION

- X0 = POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER
- X1 = SOLENOIDS
- X2 = ANALOGUE INPUTS
- X2.1 = ANALOGUE OUTPUTS
- X4 = SERIAL COMMUNICATION RS-485 TO CUSTOMER
- X5 = CONNECTION PUSHBUTTONS / LAMPS
- X8 = SIGNALS TO / FROM MCC
- X9 = EMERGENCY SHUTDOWN
- X11 = SIGNALS FROM DCS

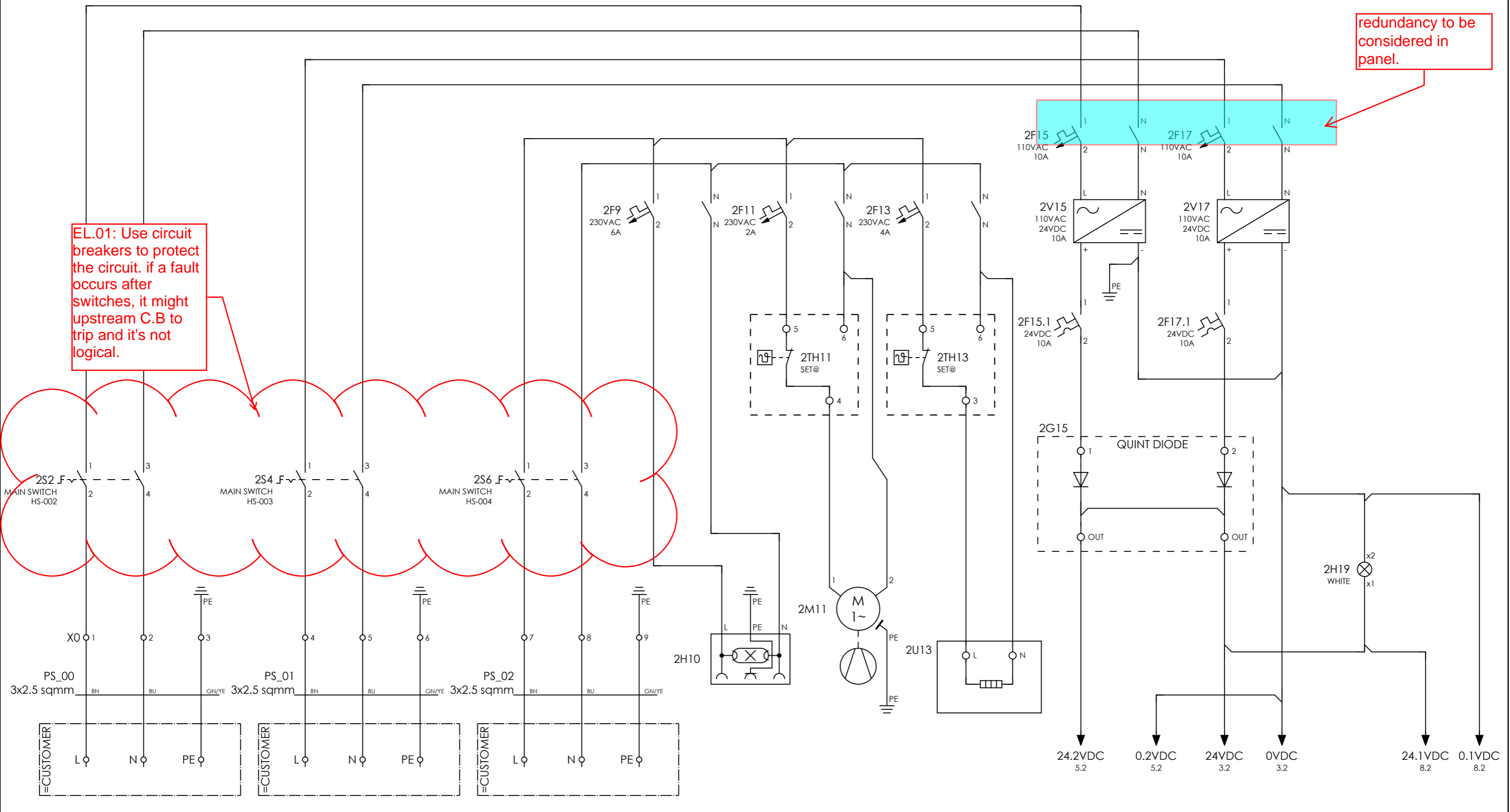


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EQUIPMENT LOCATION	Iran, Onshore

SUBJECT	
TERMINAL STRIP DEFINITION	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
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EL.01: Use circuit breakers to protect the circuit. if a fault occurs after switches, it might upstream C.B to trip and it's not logical.

redundancy to be considered in panel.

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

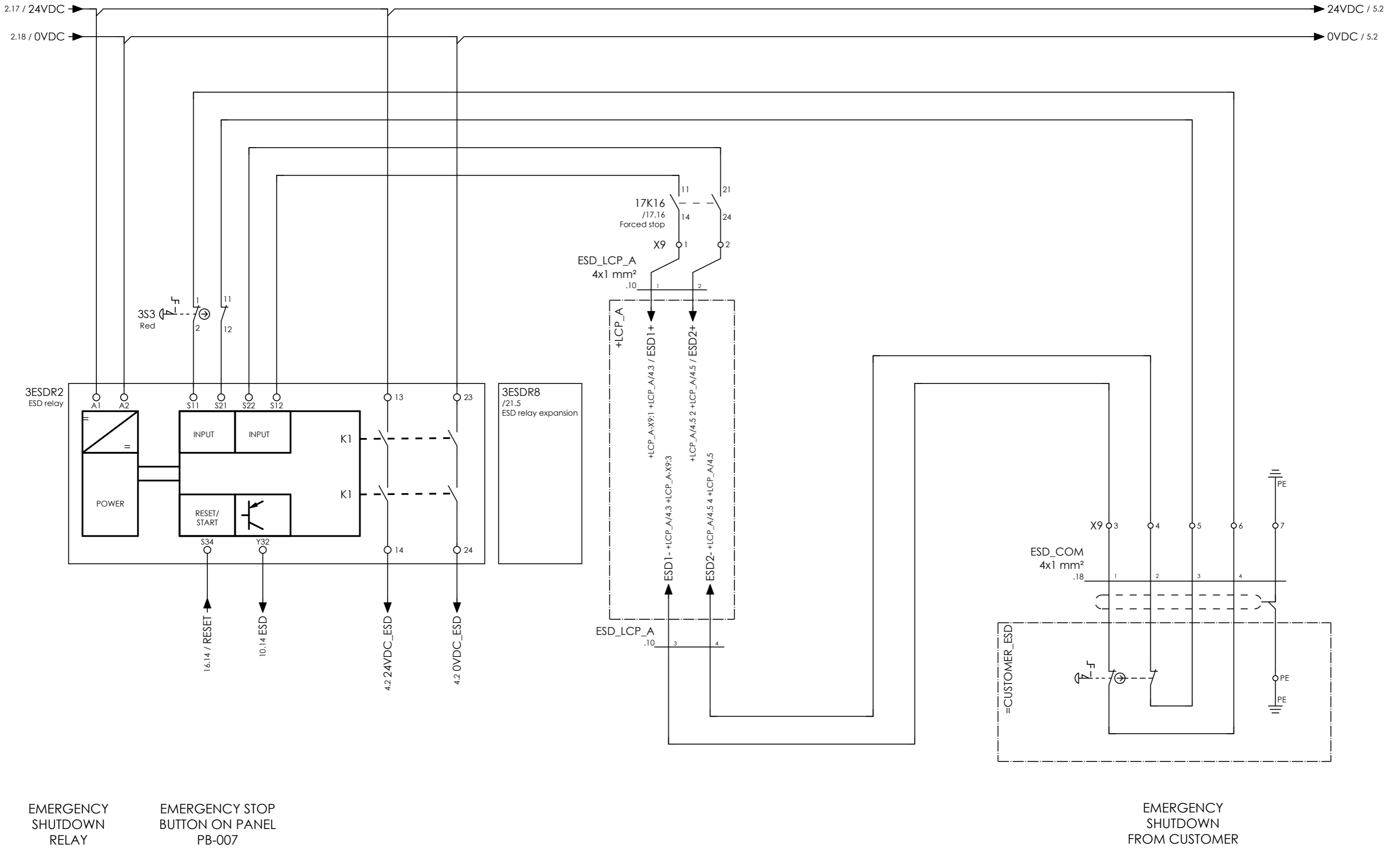
EL02: Incoming power supply terminal numbers shall be clarified.



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SUBJECT POWER SUPPLY	
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EMERGENCY SHUTDOWN RELAY

EMERGENCY STOP BUTTON ON PANEL PB-007

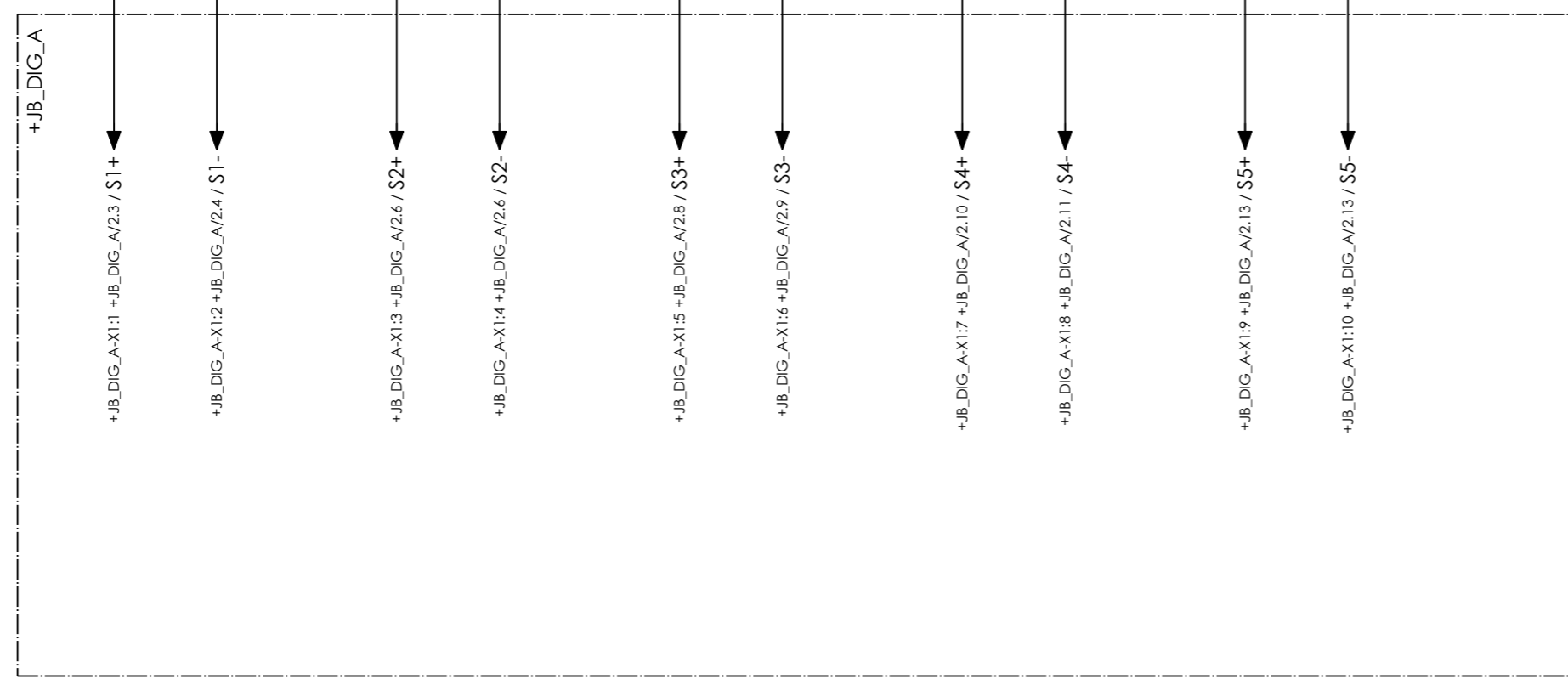
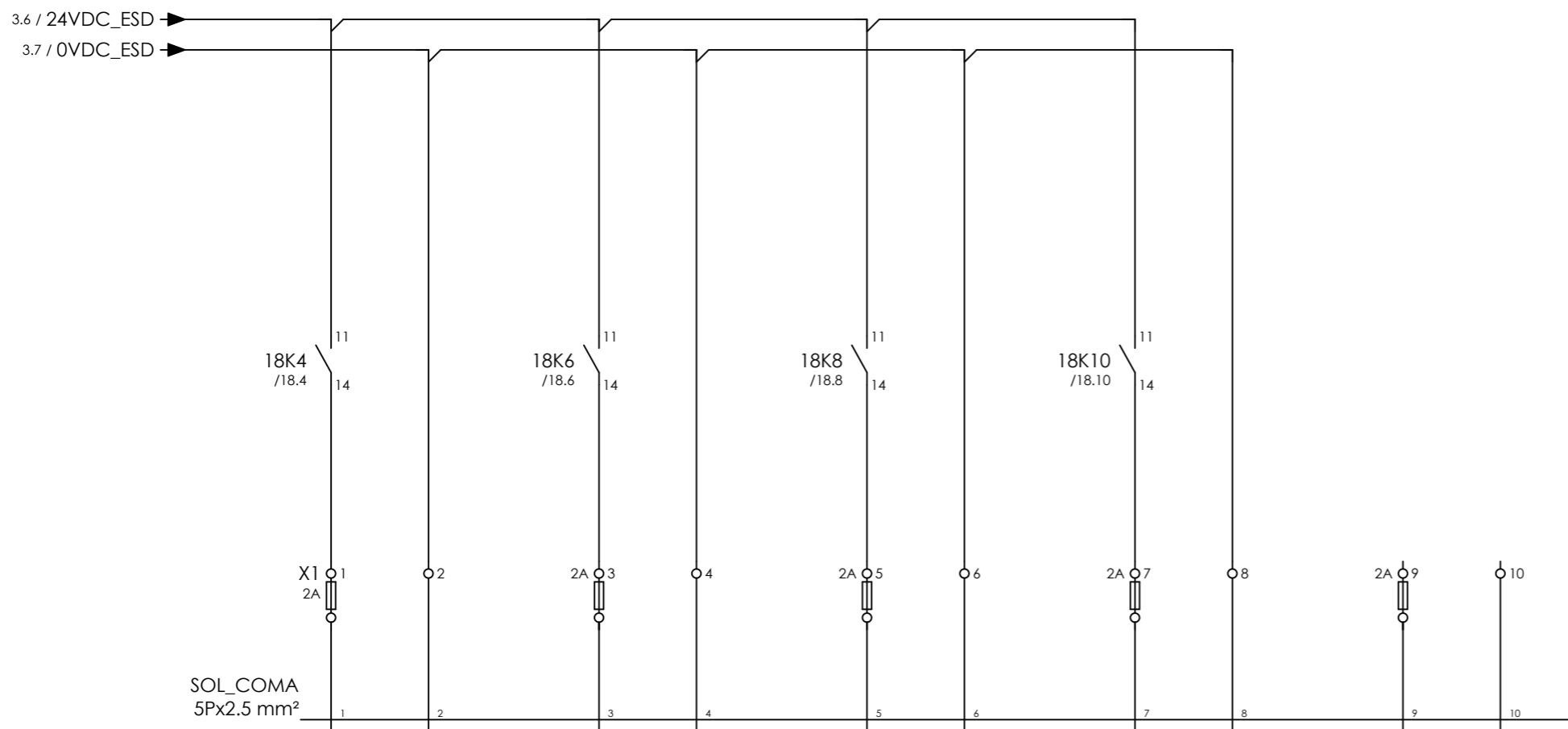
EMERGENCY SHUTDOWN FROM CUSTOMER



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SUBJECT EMERGENCY SHUTDOWN	
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COMPRESSOR A INLET SOLENOID VALVE XY-002A
COMPRESSOR A COOLING WATER INLET SOLENOID VALVE XY-002A
SPARE
SPARE
SPARE

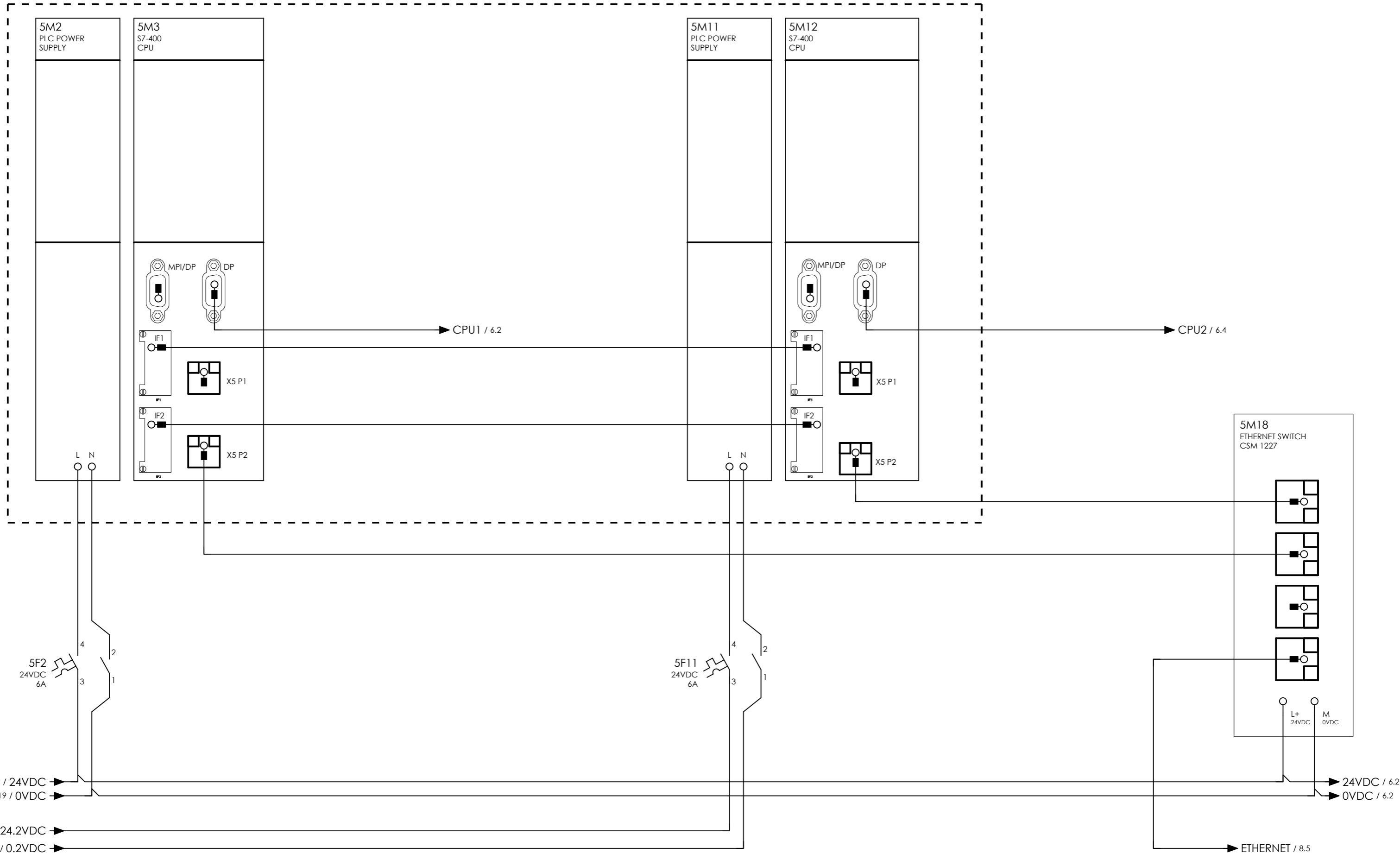


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SUBJECT SOLENOIDS	
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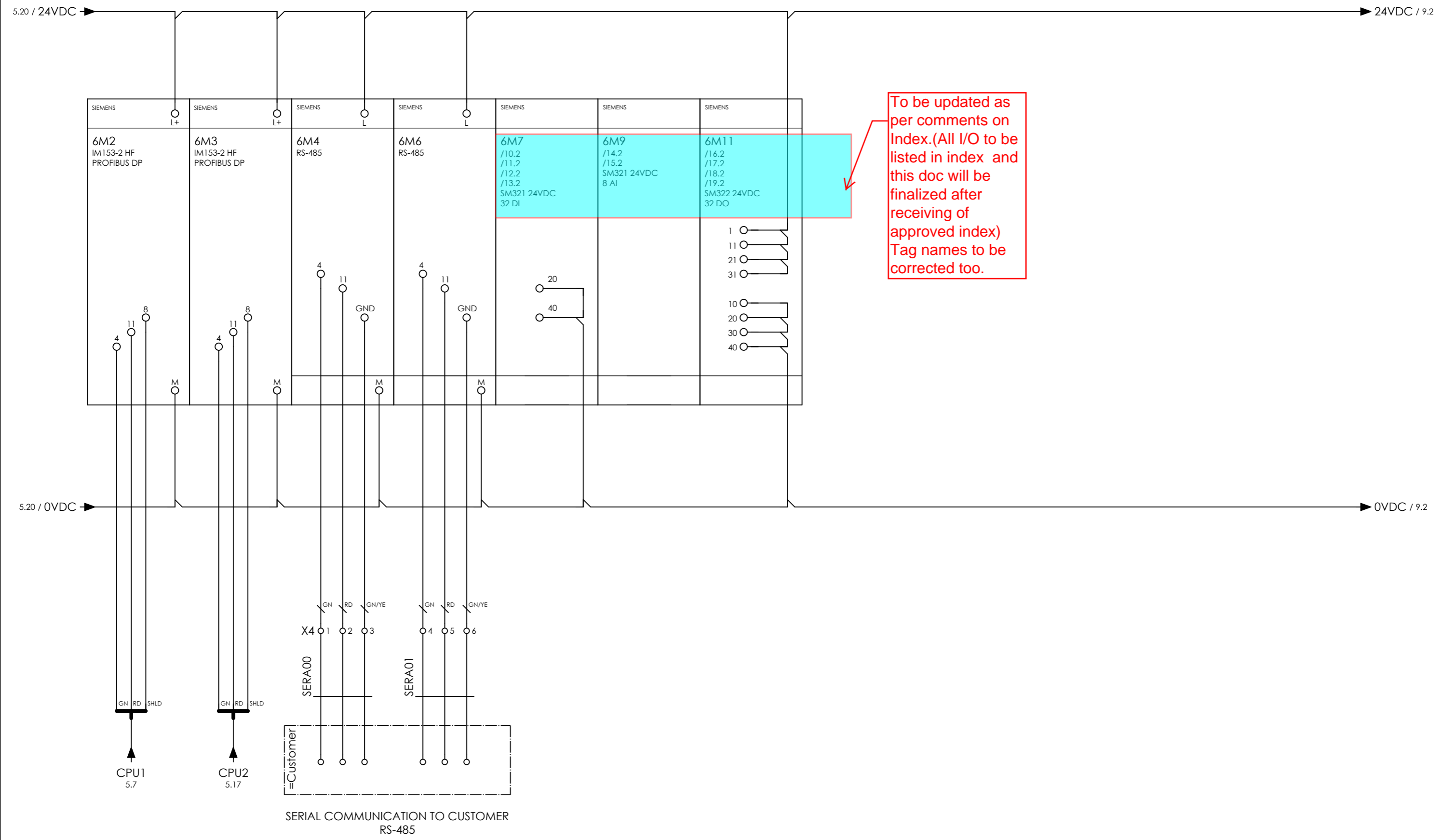


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SUBJECT PLC LAYOUT	
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AIRPACK DWG NO.	17811-05	
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TOTAL PAGE AMOUNT	11	



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT IO RACK	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMA
CHECKED BY	RBE	+ UCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	12	

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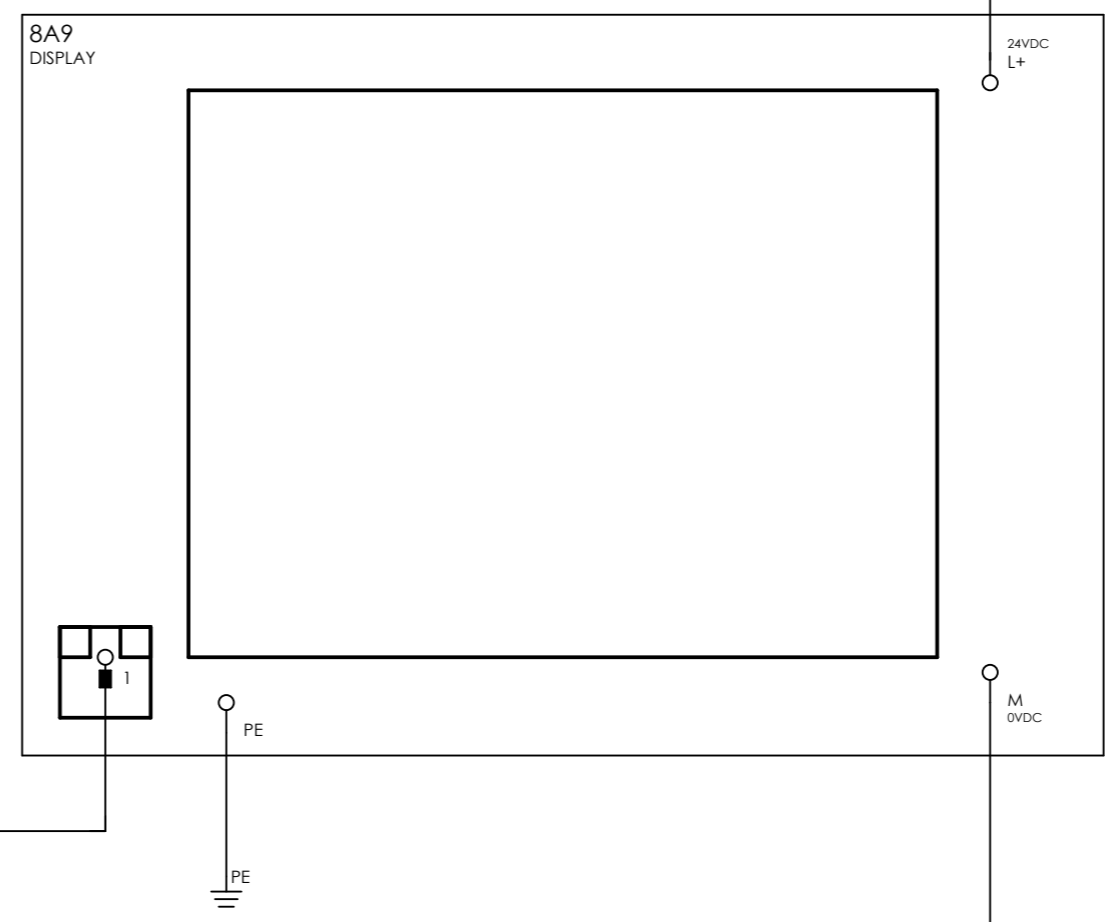
CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT EMPTY PAGE	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	13

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+ UCP_A
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2.19 / 24.1VDC → 24.1VDC / 10.3



5.18 / ETHERNET → UTP

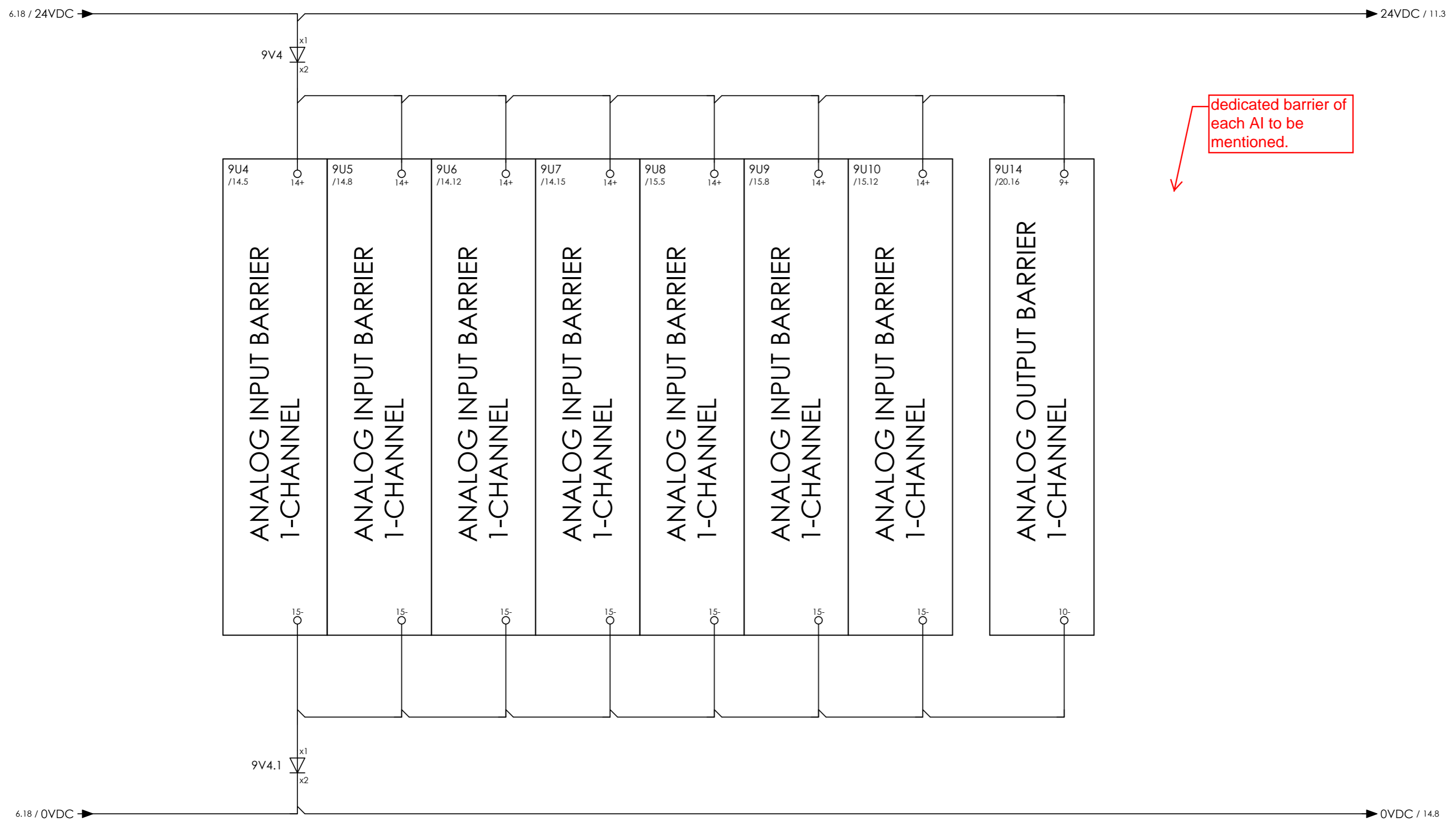
2.20 / 0.1VDC → 0.1VDC / 16.2



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DISPLAY		DRAWN BY	htaher	= COMA
ADAPTED TO P&ID REVISION		CHECKED BY	RBE	+ UCP_A
01	CLIENT	LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
01	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
	CLIENT REF.	REVISION	00	
	AIRPACK REF.	TOTAL PAGE AMOUNT	14	
	17811-COM			



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT BARRIERS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMA
CHECKED BY	RBE	+ UCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	15	

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8.19 / 24.1VDC → 24.1VDC /

10S4 E
GREEN

10S6 E
RED

10S8 E
BLACK

10S10 E
BLACK

10S12 E
BLACK

ESD / 3.4

6M7
16.7

16.0

16.1

16.2

16.3

16.4

16.5

16.6

16.7

COMPRESSOR A
START
PB-005

COMPRESSOR A
STOP
PB-006

COMPRESSOR A
LAMPTEST
PB-008

COMPRESSOR A
ACCEPT
PB-009

COMPRESSOR A
RESET
PB-010

ESD
ENGAGED

SPARE

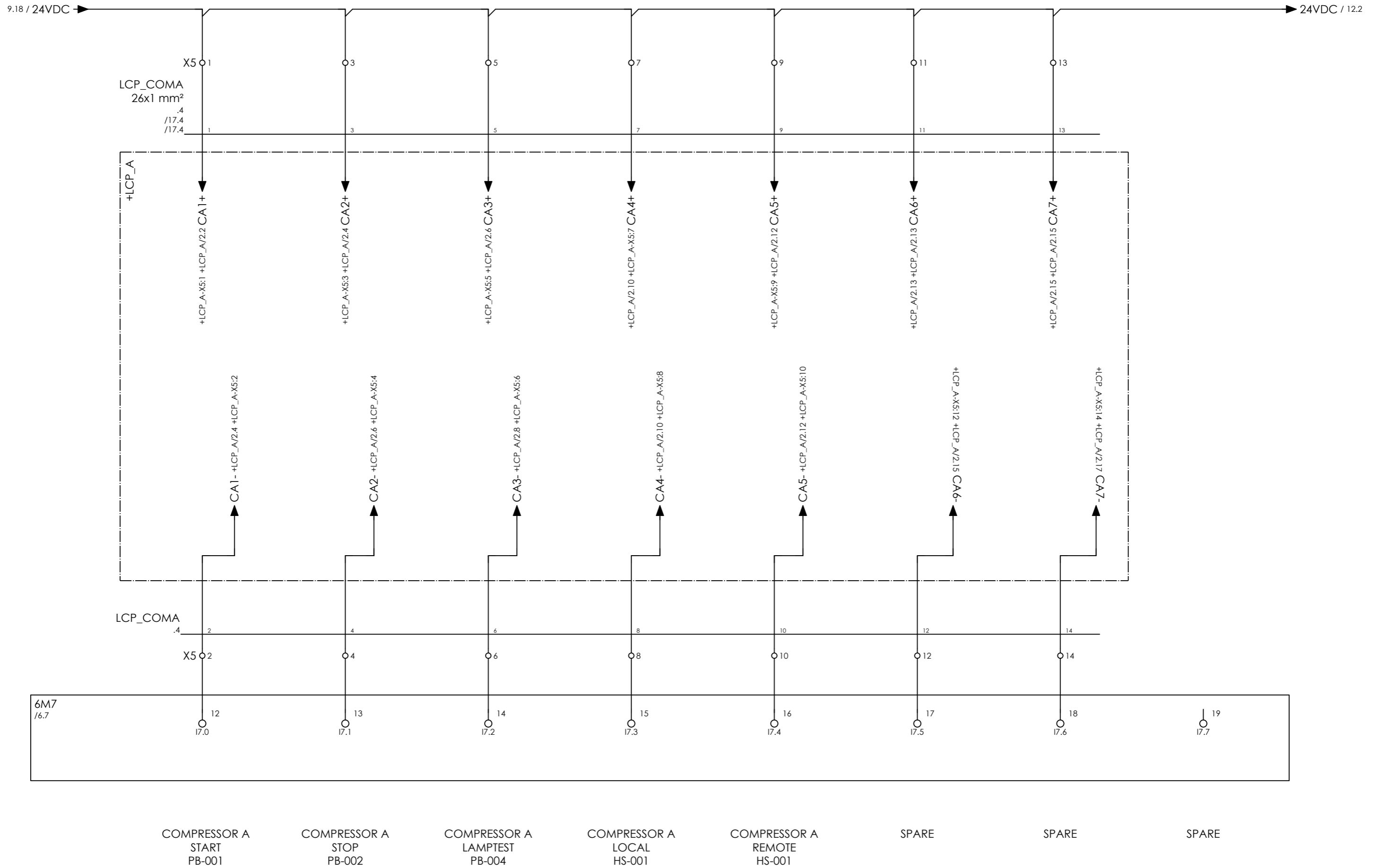
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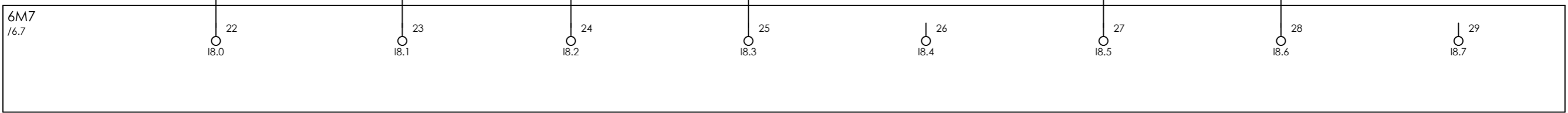
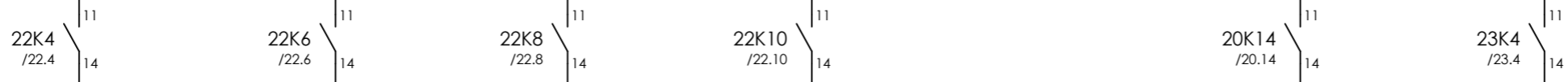
CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE	+ UCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	16	



11.19 / 24VDC → 24VDC / 14.8



COMPRESSOR A MAIN MOTOR 20-M-1002 RUNNING COMPRESSOR A MAIN MOTOR 20-M-1002 FAULT SPARE SPARE SPARE COMPRESSOR A PID CONTROL ALARM TIME SYNCHRONIZATION SPARE

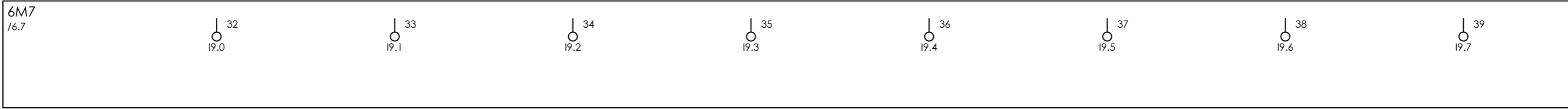


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
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TOTAL PAGE AMOUNT	18

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+ UCP_A
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SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE

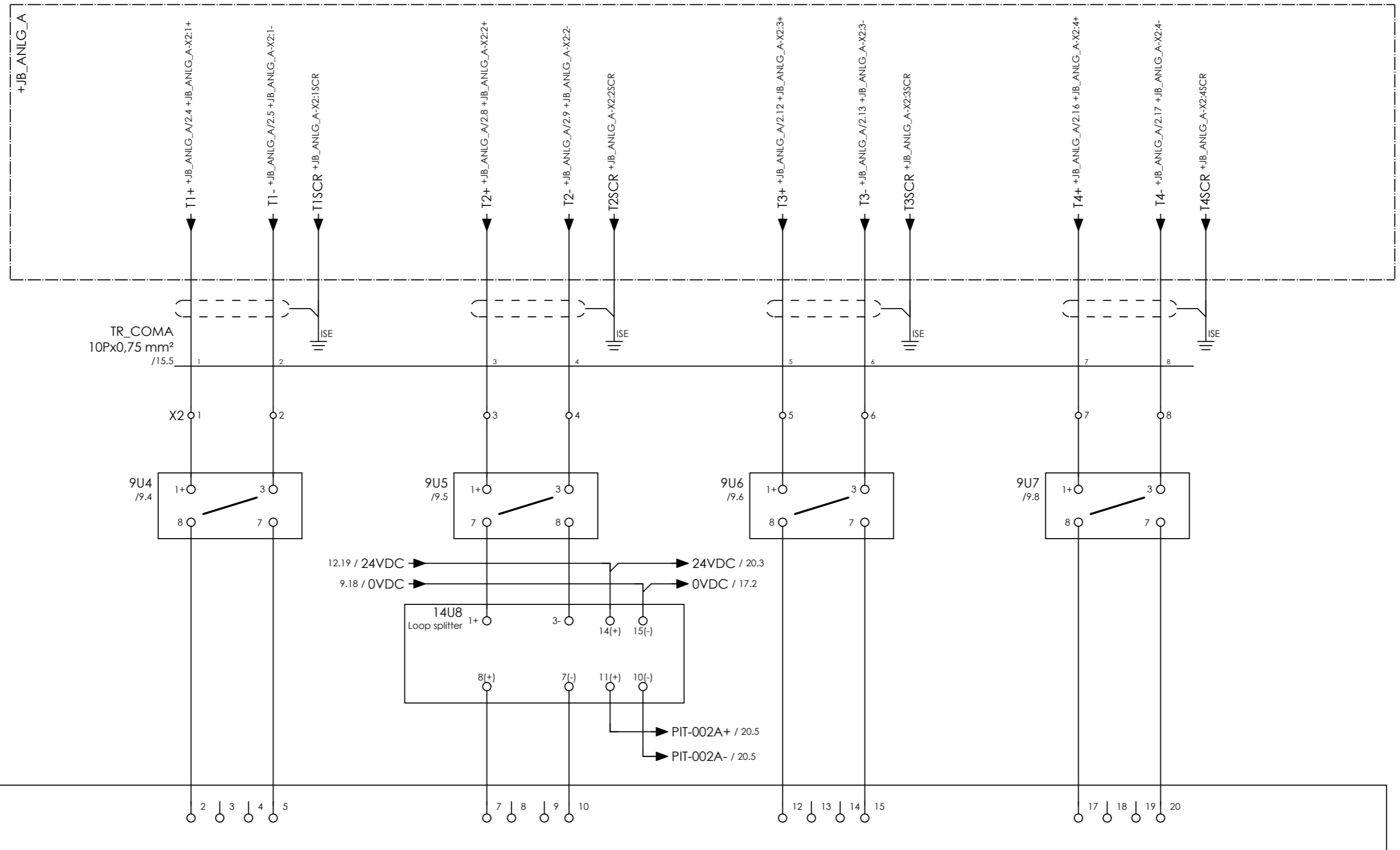


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	19

= COMA
+ UCP_A
CURRENT PAGE



COMPRESSOR A
INLET PRESSURE
PIT-001A

COMPRESSOR A
OUTLET PRESSURE
PIT-002A

COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-003A

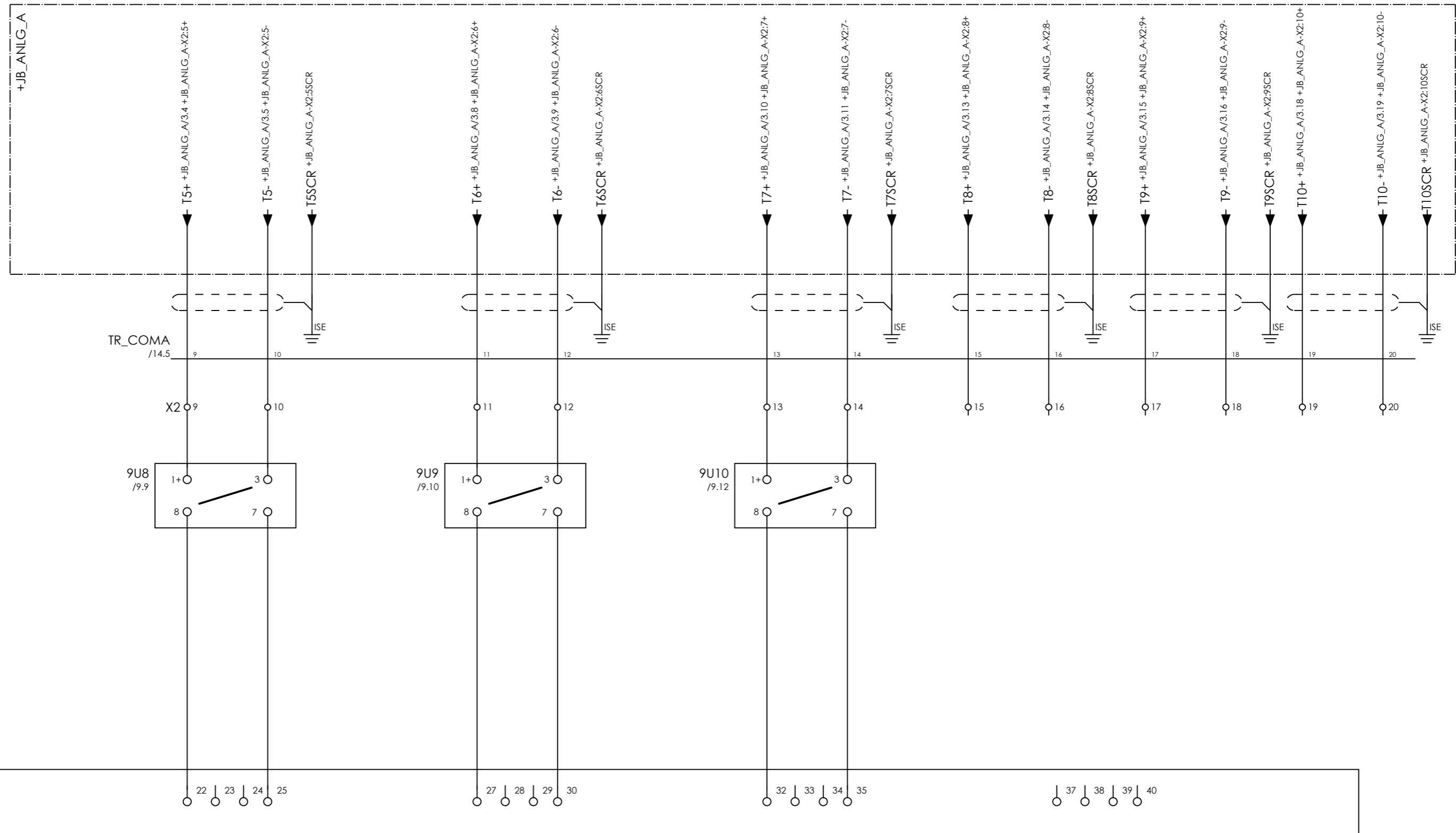
COMPRESSOR A
INLET TEMPERATURE
TIT-001A



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMA
CHECKED BY	RBE	+ UCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	20	



COMPRESSOR A
UPSTREAM AFTER COOLER TEMPERATURE
TIT-002A

SPARE

SPARE

SPARE



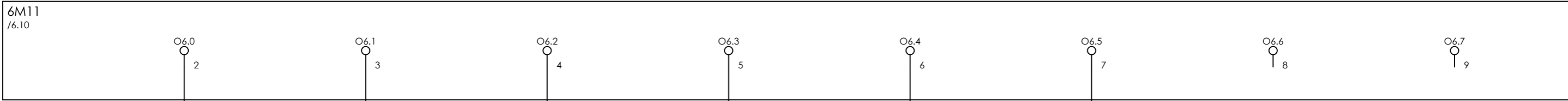
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EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT ANALOG INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	21

= COMA
+ UCP_A
CURRENT PAGE



16H4
GREEN



16H6
GREEN



16H8
AMBER



16H10
RED



16V12



3.4 RESET

8.19 / 0.1VDC →

COMPRESSOR A
OPERATIONAL
XL-006

COMPRESSOR A
RUNNING
XL-007

COMPRESSOR A
COMMON ALARM
XL-008

COMPRESSOR A
COMMON TRIP
XL-009

COMPRESSOR A
HOURMETER
HM-001

RESET
ESD RELAY

SPARE

SPARE



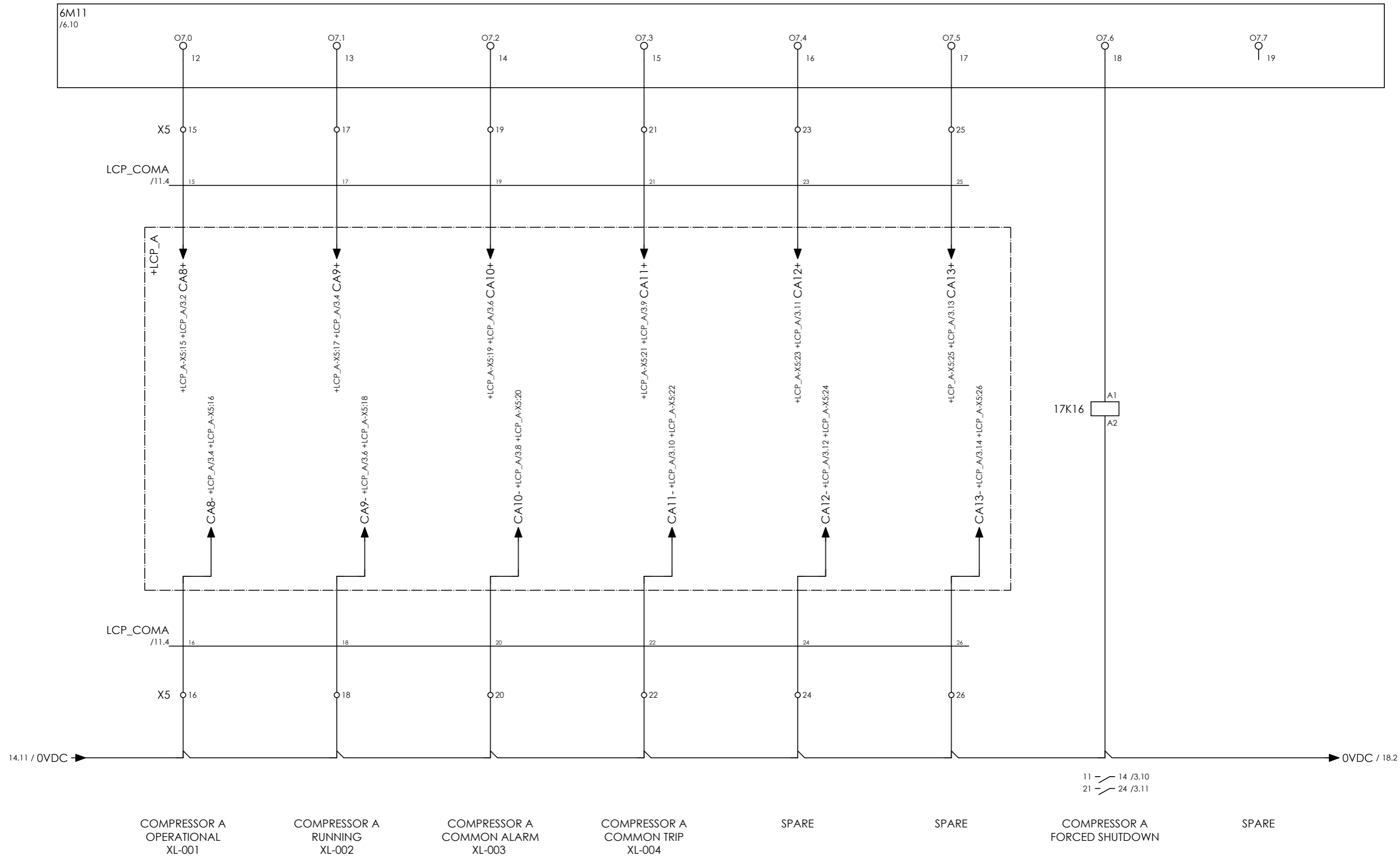
CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	22

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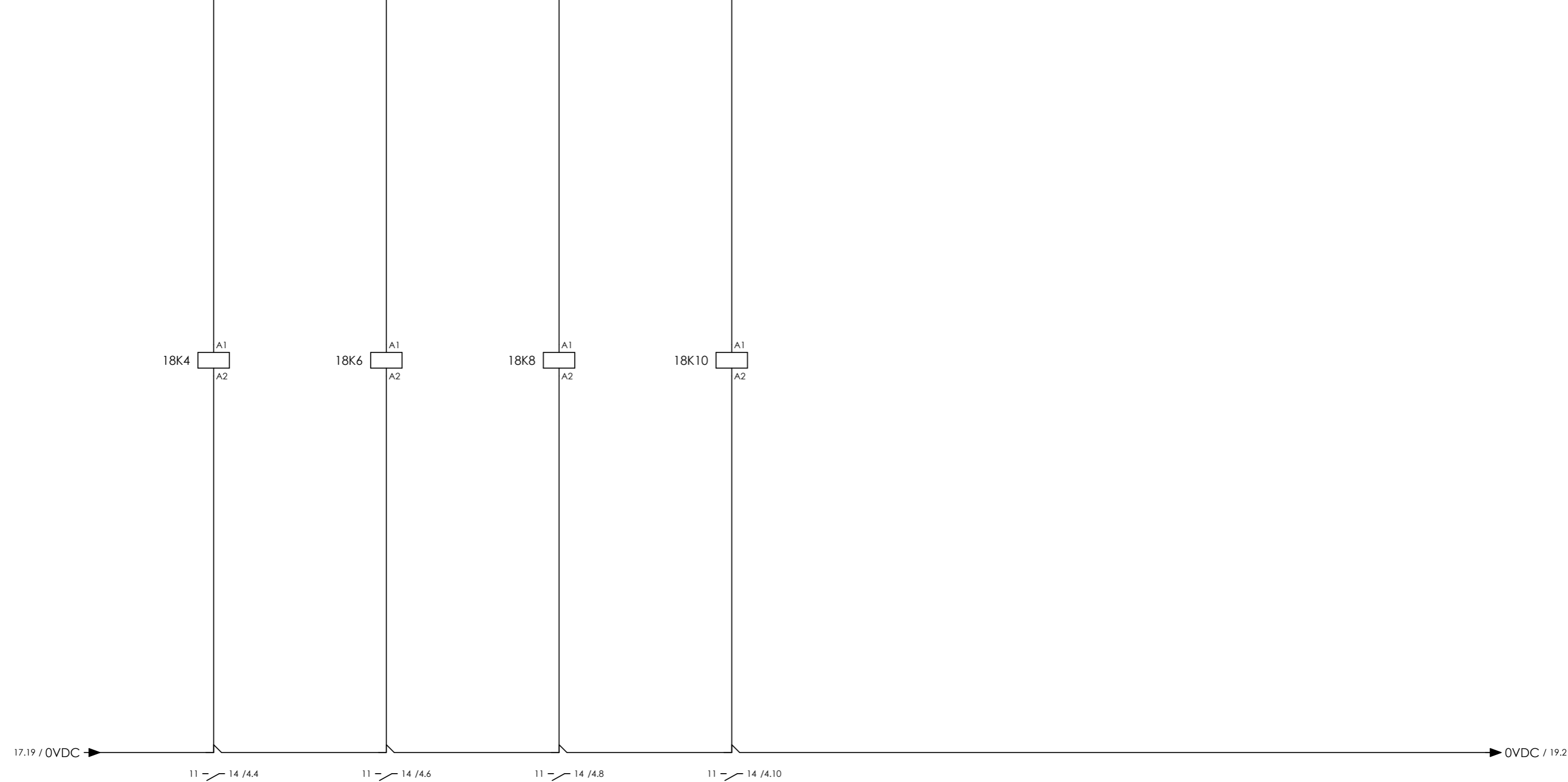
COMPRESSOR A OPERATIONAL XL-001
 COMPRESSOR A RUNNING XL-002
 COMPRESSOR A COMMON ALARM XL-003
 COMPRESSOR A COMMON TRIP XL-004
 SPARE
 SPARE
 COMPRESSOR A FORCED SHUTDOWN
 SPARE

11 - 14 / 3.10
 21 - 24 / 3.11



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	htaher	= COMA
DIGITAL OUTPUTS		CHECKED BY	RBE	+ UCP_A
ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	00	
AIRPACK REF.	17811-COM	TOTAL PAGE AMOUNT	23	



COMPRESSOR A SOLENOID VALVE XY-001A COMPRESSOR A SOLENOID VALVE XY-002A SPARE SPARE SPARE SPARE SPARE SPARE

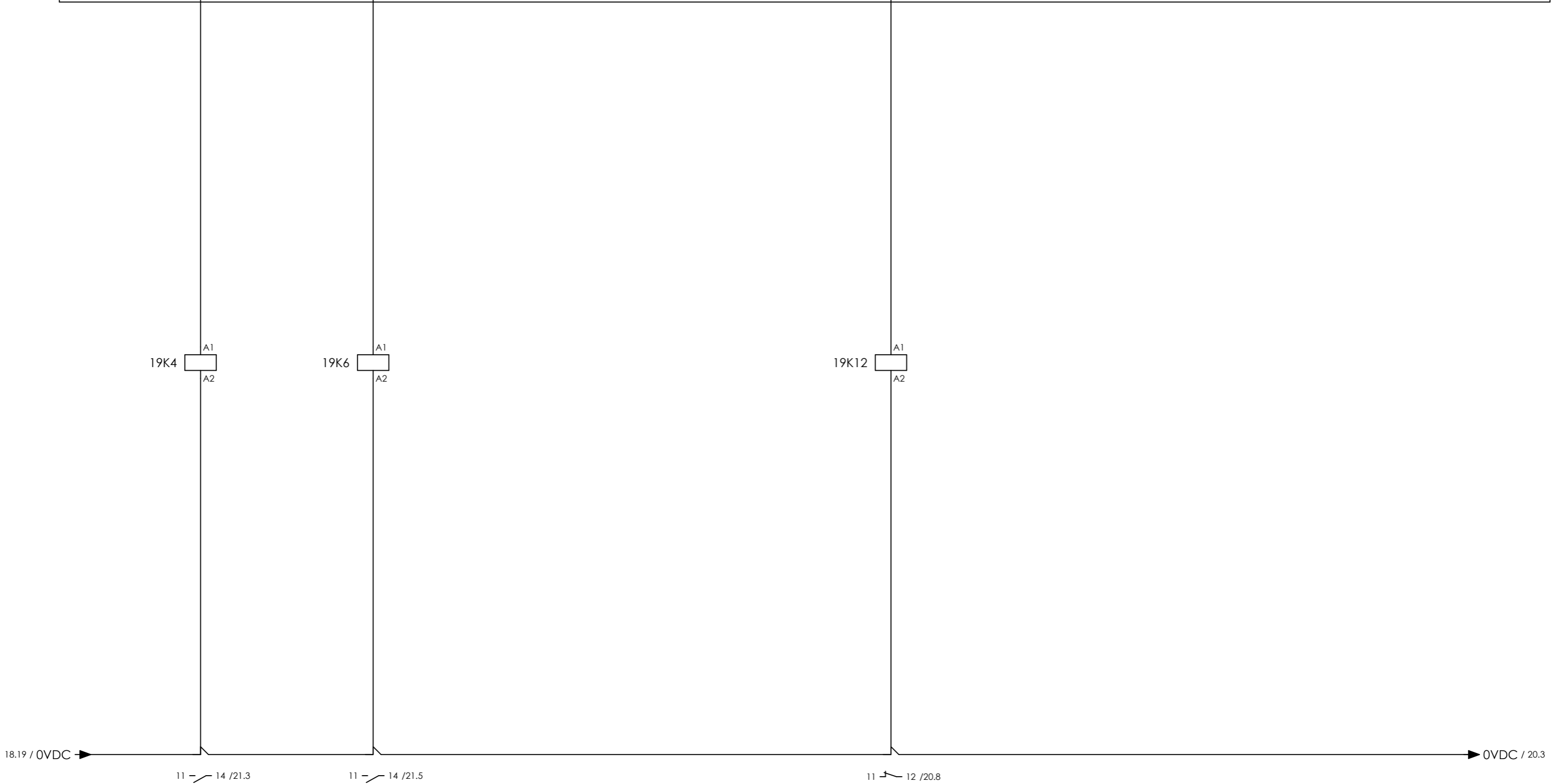


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMA
CHECKED BY	RBE	+ UCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	24	



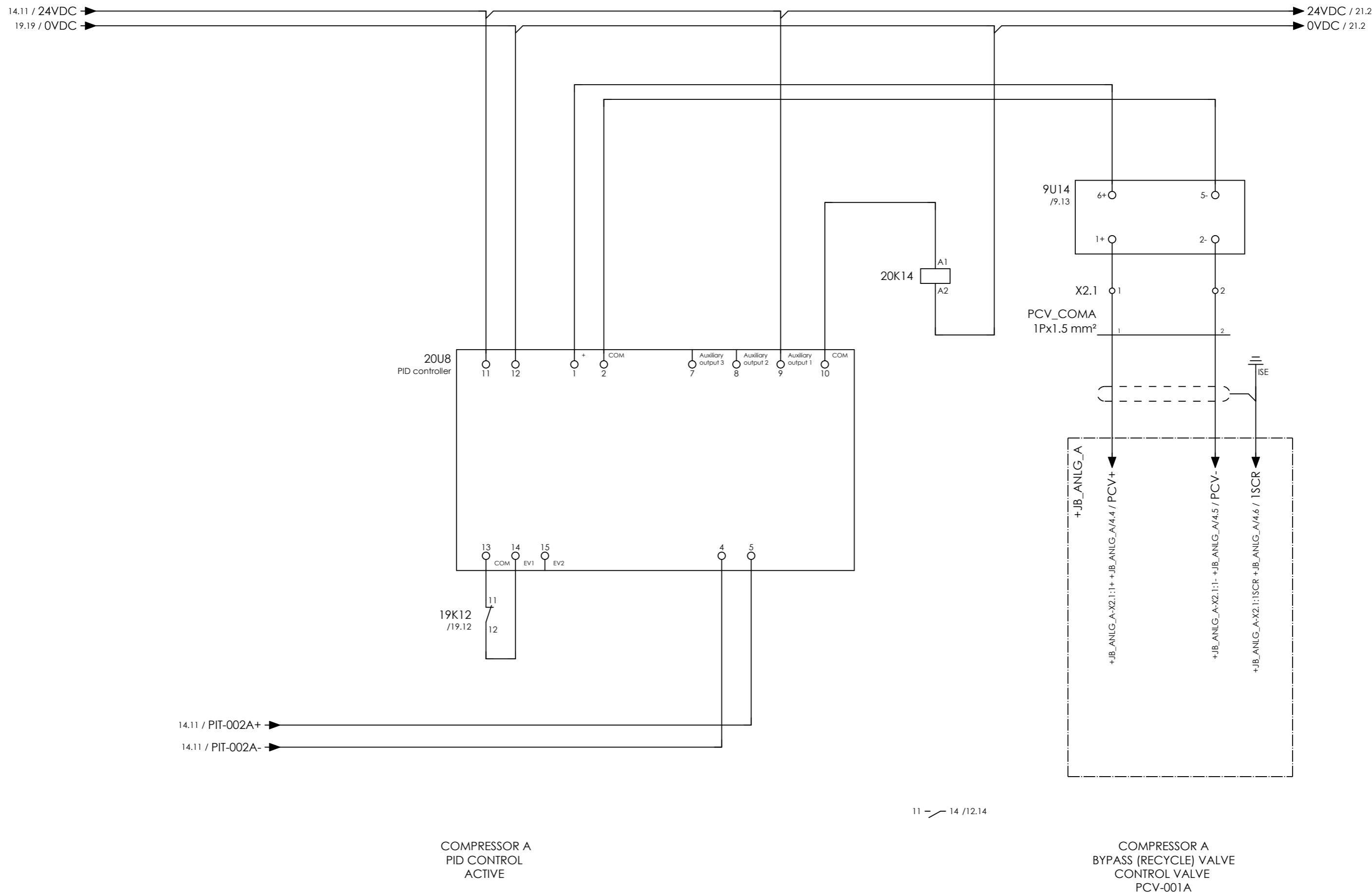
COMPRESSOR A MAIN MOTOR 20-M-1002 START COMPRESSOR A MAIN MOTOR 20-M-1002 STOP SPARE SPARE COMPRESSOR A PID CONTROL ACTIVE SPARE SPARE SPARE

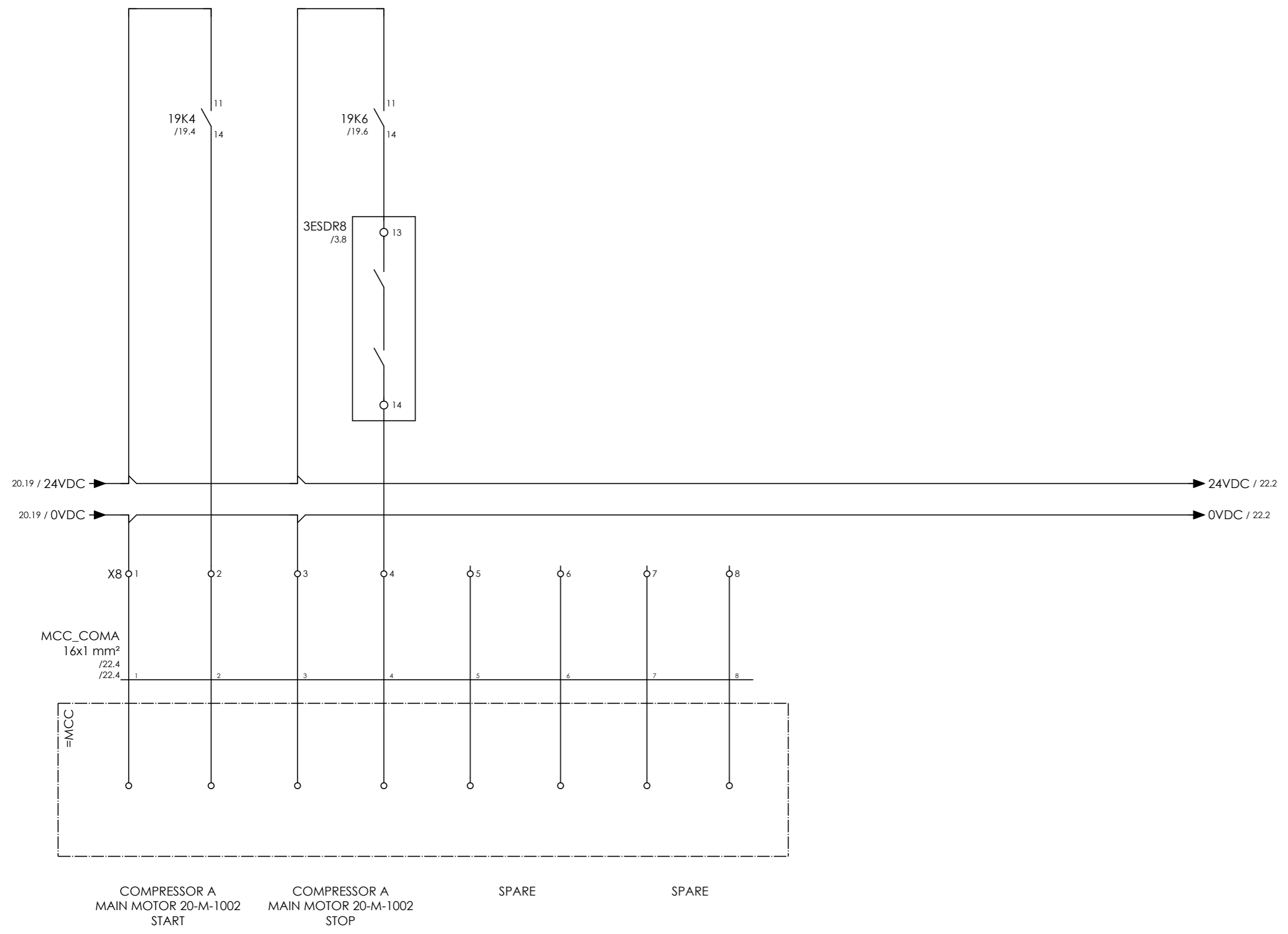


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
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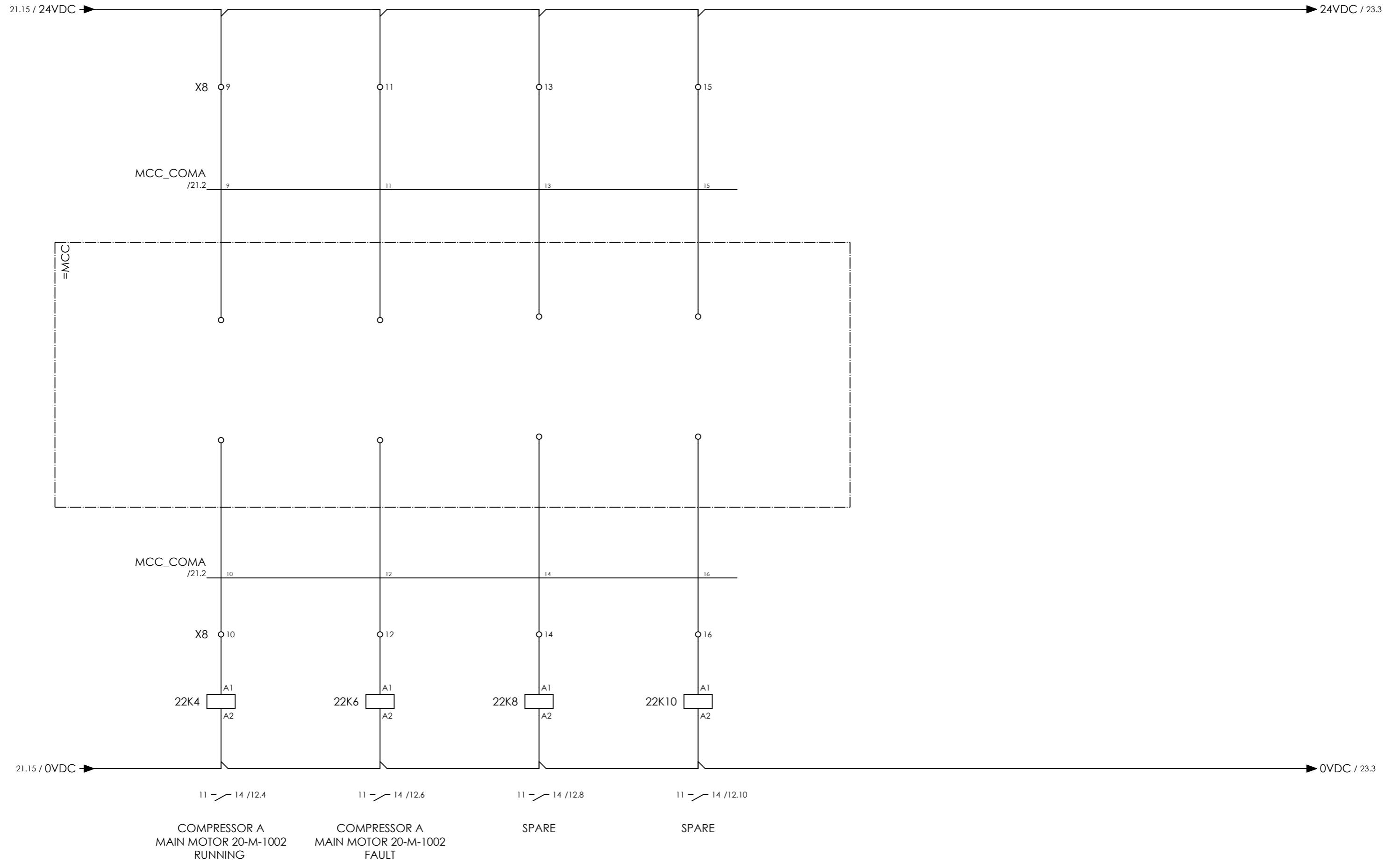


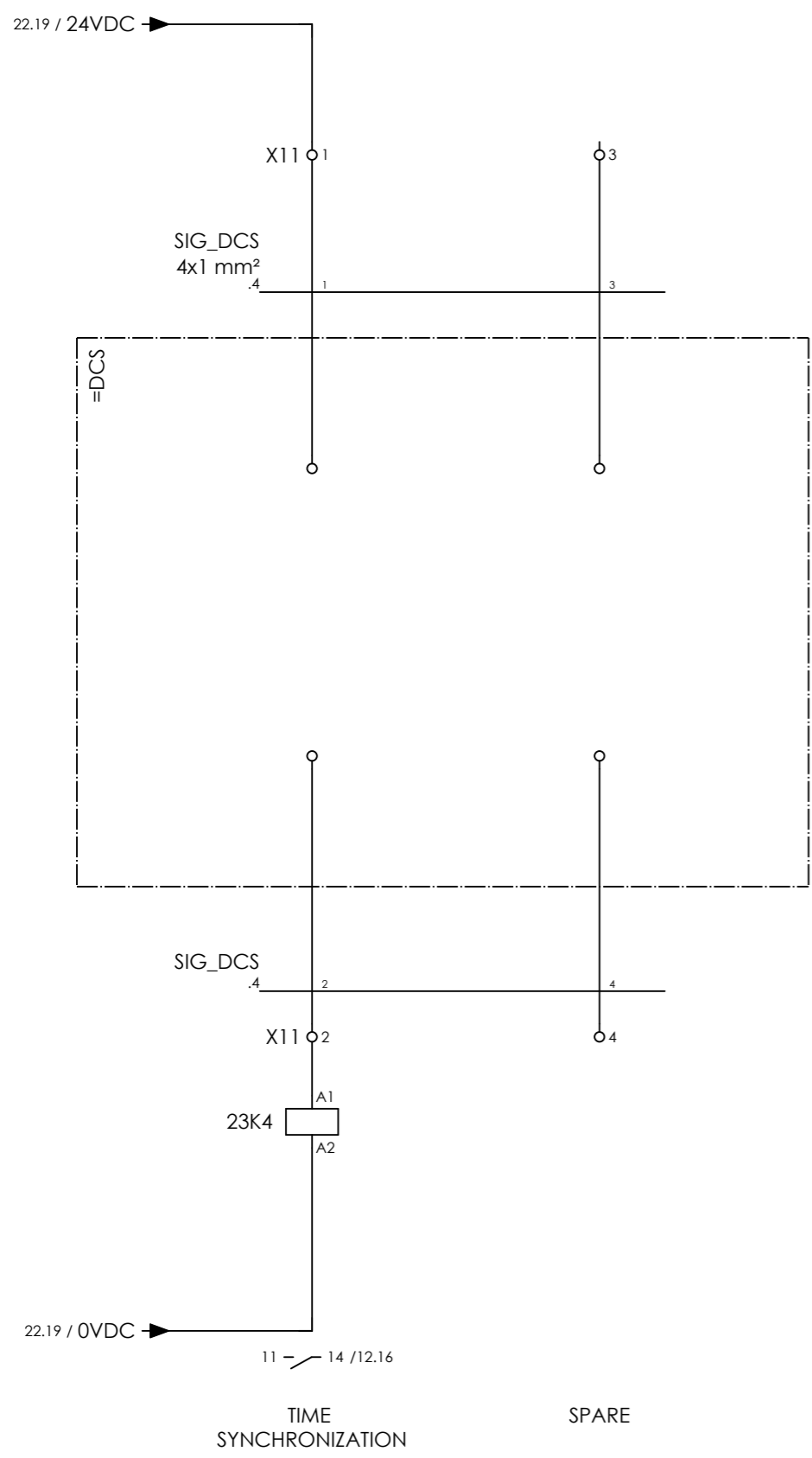
CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT SIGNALS TO MCC	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	27

= COMA
+ UCP_A
CURRENT PAGE





CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT SIGNALS FROM DCS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	29

= COMA
+ UCP_A
CURRENT PAGE

Terminal diagram

Cable name		Strip						Cable name		
		+UCP-X1								
		SOLENOIDS								
		Target designation		Connection point	Terminal	Jumper	Target designation	Connection point		
\$OL_COMA										
5P*2.5 mm²										
1		+JB_DIG_A-X1	1	1		-20K4	14			
2		+JB_DIG_A-X1	2	2	•	-3ESDR2	24			
3		+JB_DIG_A-X1	3	3	•	-20K6	14			
4		+JB_DIG_A-X1	4	4	•					
5		+JB_DIG_A-X1	5	5	•	-20K8	14			
6		+JB_DIG_A-X1	6	6	•					
7		+JB_DIG_A-X1	7	7	•	-20K10	14			
8		+JB_DIG_A-X1	8	8	•					
9		+JB_DIG_A-X1	9	9						
10		+JB_DIG_A-X1	10	10						

related signal of each input/output to be mentioned.

CLIENT DWG NO.	N/A	SUBJECT	Terminal diagram =COMA+UCP-X1
EQUIPMENT NO.	20-C-1002, 20-C-7080	ADAPTED TO PAID REVISION	01
EQUIPMENT LOCATION	Iron, Onshore	CLIENT	Bushneht Petrochemical Company (BUPC)
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	AIRPACK REF.	CLIENT REF.	Bushneht MEG Plant Project
		AIRPACK REF.	17811-COM
DRAWN BY	hthar	CHECKED BY	RBE
LAST MODIFICATION DATE	24-1-2020	AIRPACK DWG NO.	17811-05
REVISION	00	TOTAL PAGE AMOUNT	31
		= COMA	+ UCP A
		CURRENT PAGE	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Terminal diagram

Cable name				Strip				Cable name					
-LCP-COMA				=COMA+UCP-X5									
												CONNECTION PUSHBUTTONS / LAMPS	
2x1 mm ²				Target designation	Connection point	Terminal	Jumper	Target designation	Connection point				
1				+LCP_A-X5	1	1	•	-9V4	x1				
2				+LCP_A-X5	2	2	•	-6M7	12				
3				+LCP_A-X5	3	3	•						
4				+LCP_A-X5	4	4	•	-6M7	13				
5				+LCP_A-X5	5	5	•						
6				+LCP_A-X5	6	6	•	-6M7	14				
7				+LCP_A-X5	7	7	•						
8				+LCP_A-X5	8	8	•	-6M7	15				
9				+LCP_A-X5	9	9	•						
10				+LCP_A-X5	10	10	•	-6M7	16				
11				+LCP_A-X5	11	11	•						
12				+LCP_A-X5	12	12	•	-6M7	17				
13				+LCP_A-X5	13	13	•	-24K4	11				
14				+LCP_A-X5	14	14	•	-6M7	18				
15				+LCP_A-X5	15	15	•	-6M11	12				
16				+LCP_A-X5	16	16	•	-14U8	15(-)				
17				+LCP_A-X5	17	17	•	-6M11	13				
18				+LCP_A-X5	18	18	•						
19				+LCP_A-X5	19	19	•	-6M11	14				
20				+LCP_A-X5	20	20	•						
21				+LCP_A-X5	21	21	•	-6M11	15				
22				+LCP_A-X5	22	22	•						
23				+LCP_A-X5	23	23	•	-6M11	16				
24				+LCP_A-X5	24	24	•						
25				+LCP_A-X5	25	25	•	-6M11	17				
26				+LCP_A-X5	26	26	•	-19K16	A2				

CLIENT DWG NO.	N/A	SUBJECT	Terminal diagram =COMA+LCP-X5	DRAWN BY	htcher	= COMA
EQUIPMENT NO.	20-C-1002, 20-C-7080	ADAPTED TO PAID REVISION	01	CHECKED BY	RBE	+ UCP A
EQUIPMENT LOCATION	Icon, Onshore	CLIENT	Bushneht Petrochemical Company (BUPC)	LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
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			AIRPACK REF.	REVISION	00	
				TOTAL PAGE AMOUNT	35	

Terminal diagram



Cable name				Strip				Cable name					
-MCC_COMA				=COMA+UCP-X8 SIGNALS TO / FROM MCC									
1x1 mm²				Target designation	Connection point	Terminal	Jumper	Target designation	Connection point				
1				-22K14	A2	1	•						
2				-21K4	14	2	•						
3						3	•						
4				-3ESDR8	14	4	•						
5						5	•						
6						6	•						
7						7	•						
8						8	•						
9						9	•						
10				-24K4	A1	10	•						
11						11	•						
12				-24K6	A1	12	•						
13						13	•						
14				-24K8	A1	14	•						
15						15	•						
16				-24K10	A1	16	•						

CLIENT DWG NO.	N/A	SUBJECT	Terminal diagram =COMA+UCP-X8	DRAWN BY	htcher	= COMA
EQUIPMENT NO.	20-C-1002, 20-C-7080	ADAPTED TO PAID REVISION	01	CHECKED BY	RBE	+ UCP A
EQUIPMENT LOCATION	Icon, Onshore	CLIENT	Bushneht Petrochemical Company (BUPC)	LAST MODIFICATION DATE	24-1-2020	CURRENT PAGE
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			AIRPACK REF.	REVISION	00	
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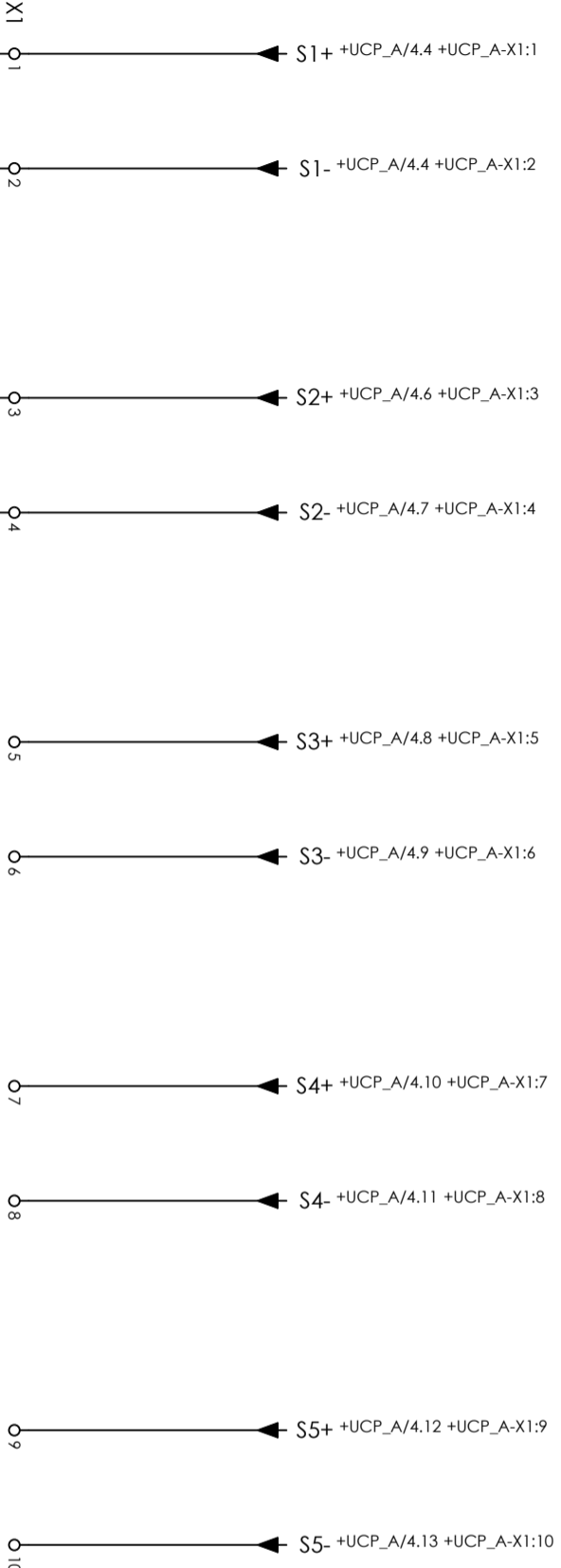
1
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17
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19
20

TERMINAL STRIP DEFINITION

X1 = CONNECTION SOLENOIDS



CLIENT DWG NO.		SUBJECT	TERMINAL STRIP DEFINITION		DRAWN BY	h1cher	= COMA
EQUIPMENT NO.	20-C-1002, 20-C-7080	ADAPTED TO PAID REVISION			CHECKED BY	RBE	+ JB D/G, A
EQUIPMENT LOCATION	Icon, Onshore	CLIENT	Bushehr Petrochemical Company (BUPC)		LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
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		AIRPACK REF.	17811-COM		REVISION		
					PAGE NUMBER	94	



All DO signals to be powered by vendor in PLC panel.

COMPRESSOR A
INLET
SOLENOID VALVE
XY-001A

COMPRESSOR A
COOLING WATER INLET
SOLENOID VALVE
XY-002A

SPARE

SPARE

SPARE



CLIENT DWG NO.	20-C-1002, 20-C-7080
EQUIPMENT NO.	Icon, Onshore
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SUBJECT CONNECTION SOLENOIDS	
ADAPTED TO PAID REVISION	CLIENT
CLIENT REF.	Bushneht Petrochemical Company (BUPC)
AIRPACK REF.	Bushneht MEG Plant Project
	1/811-COM

DRAWN BY	hthar	= COMA
CHECKED BY	RBE	+ JB DIG A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.		
REVISION		
PAGE NUMBER	92	

TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS
 X2.1 = CONNECTION CONTROL VALVE

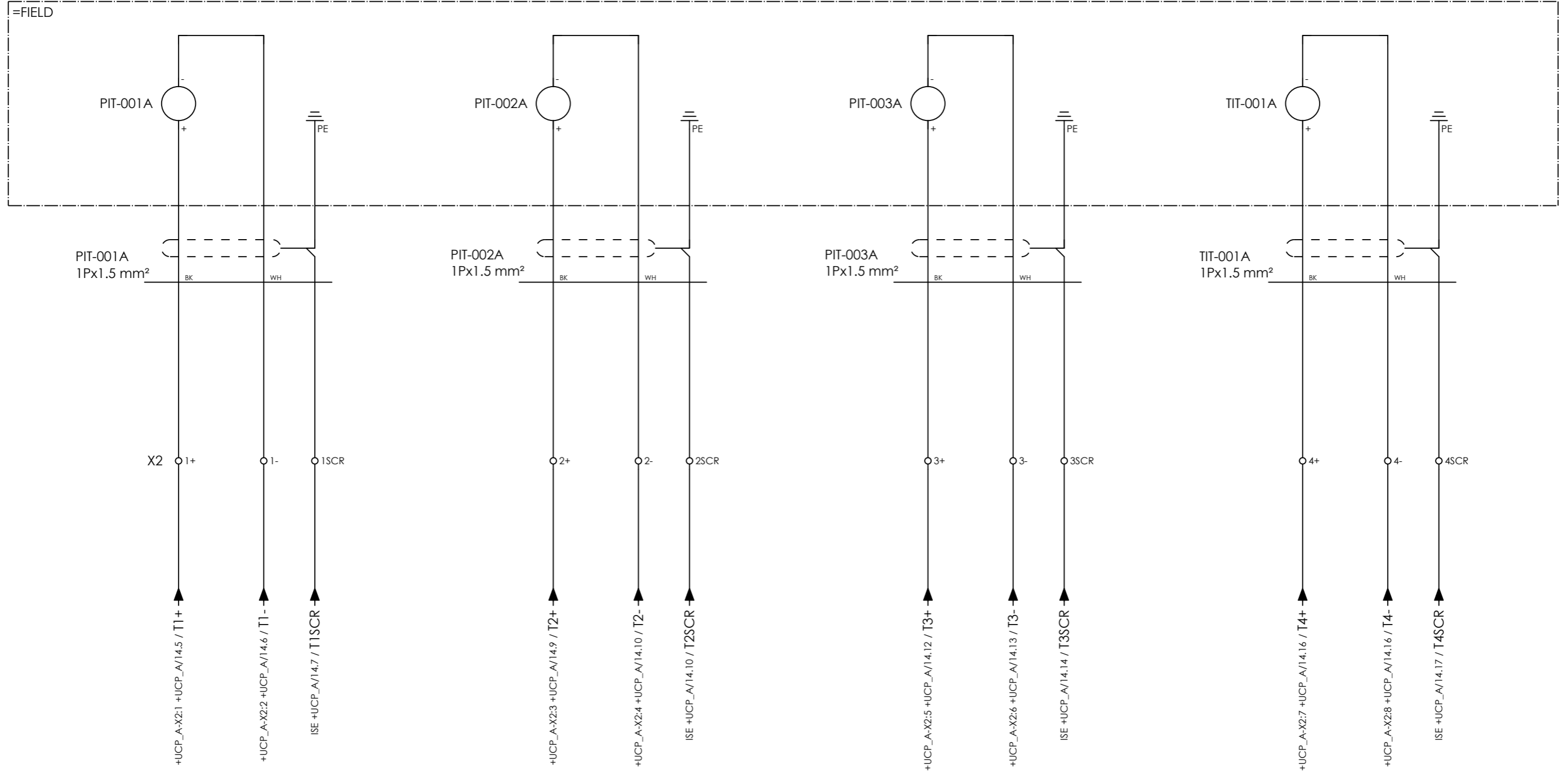


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT TERMINAL STRIP DEFINITION	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

= COMA
+ JB_ANLG_A
CURRENT PAGE



COMPRESSOR A
INLET PRESSURE
PIT-001A

COMPRESSOR A
OUTLET PRESSURE
PIT-002A

COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-003A

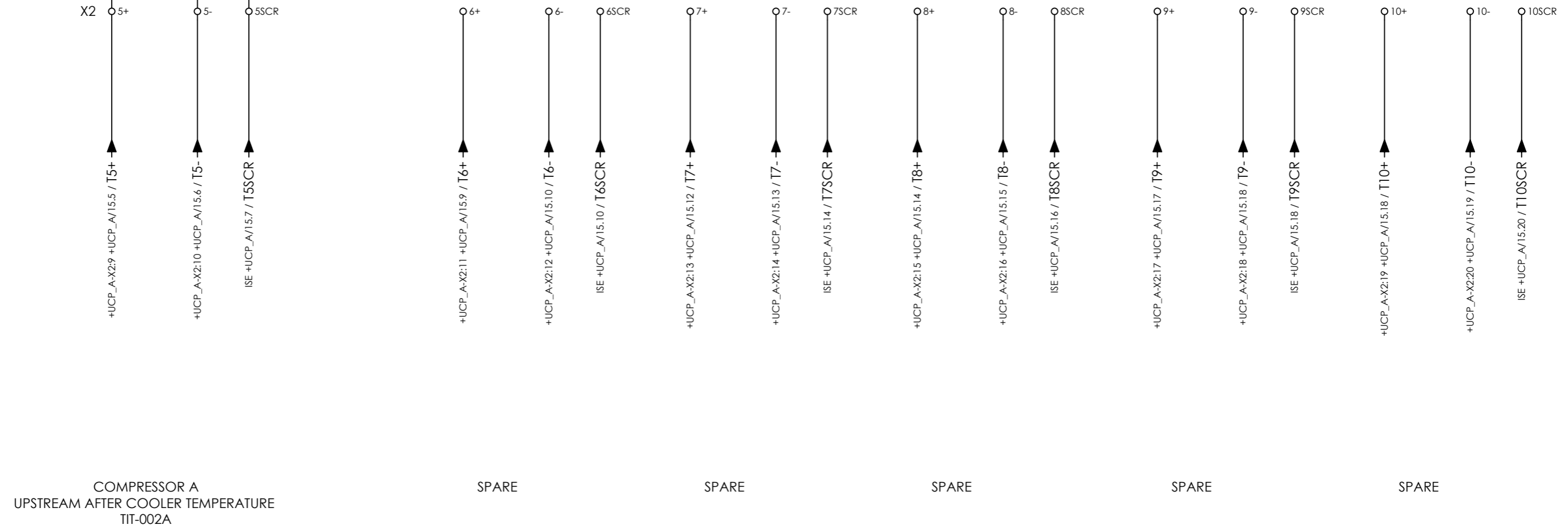
COMPRESSOR A
INLET TEMPERATURE
TIT-001A



CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION TRANSMITTERS	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.		
REVISION		
PAGE NUMBER	95	



COMPRESSOR A
UPSTREAM AFTER COOLER TEMPERATURE
TIT-002A

SPARE

SPARE

SPARE

SPARE

SPARE

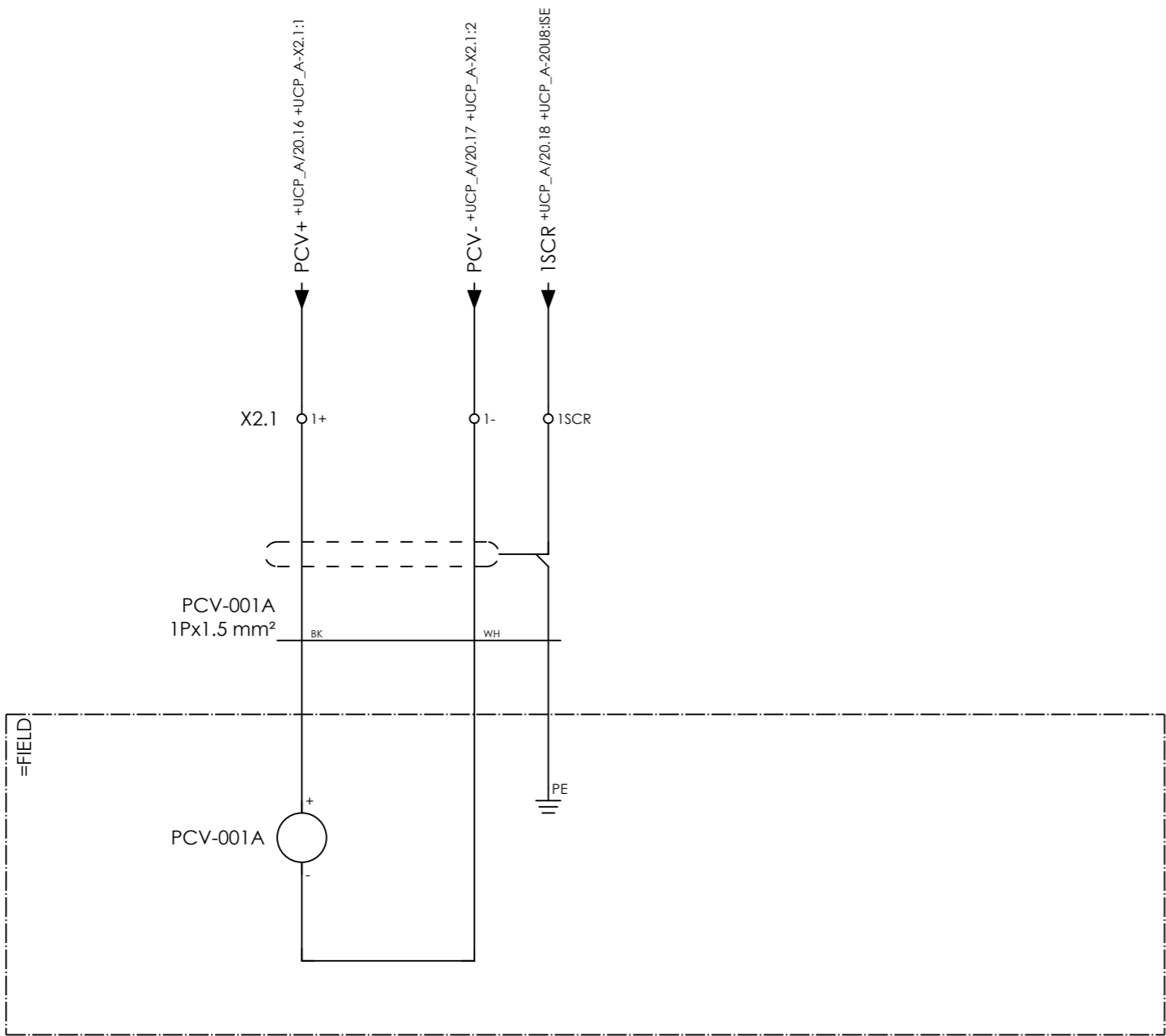


CLIENT DWG NO.
EQUIPMENT NO.
EQUIPMENT LOCATION
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SUBJECT
CONNECTION TRANSMITTERS
ADAPTED TO P&ID REVISION
CLIENT
CLIENT REF.
AIRPACK REF.

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CHECKED BY
LAST MODIFICATION DATE
AIRPACK DWG NO.
REVISION
PAGE NUMBER

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+ JB_ANLG_A
CURRENT PAGE
96



COMPRESSOR A
BYPASS (RECYCLE) VALVE
CONTROL VALVE
PCV-001A



CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION CONTROL VALVE	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	99

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TERMINAL STRIP DEFINITION

- X5 = CONNECTION PUSHBUTTONS AND LAMPS
- X9 = CONNECTION ESD BUTTON
- X10 = CONNECTION AMPEREMETER FROM MCC

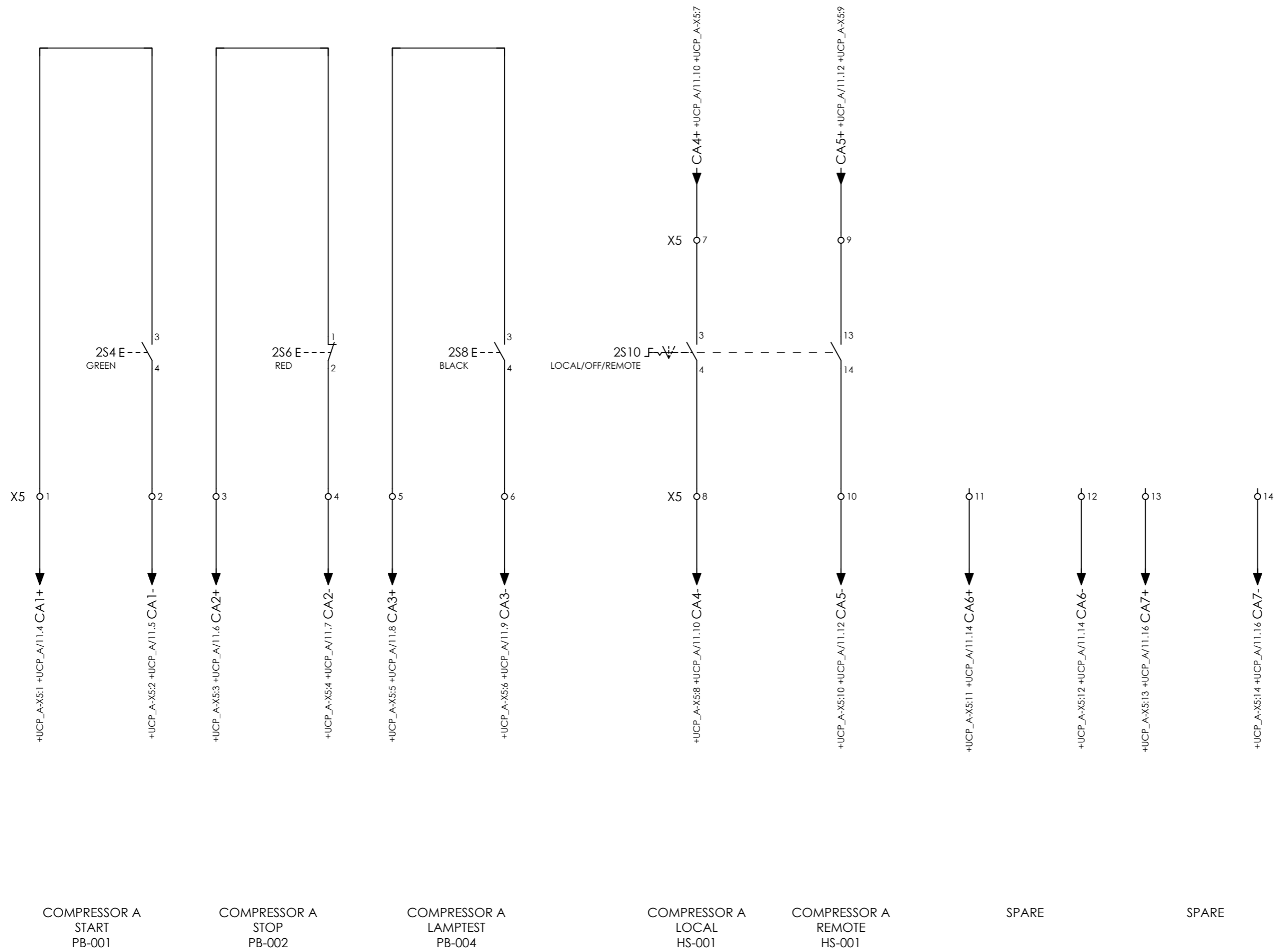


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EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT TERMINAL STRIP DEFINITION	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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PAGE NUMBER	94

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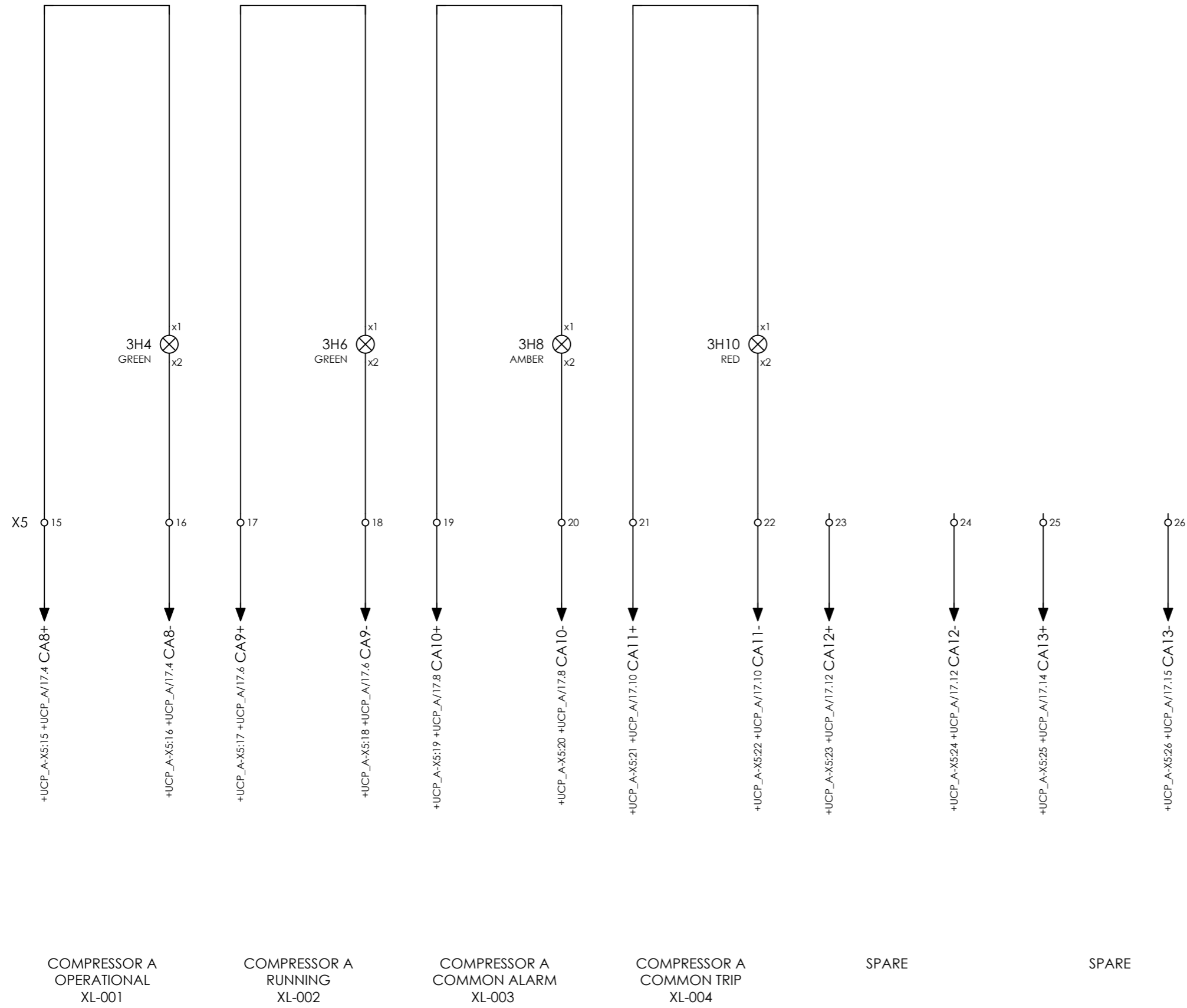


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT CONNECTION PUSHBUTTONS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
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AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	50

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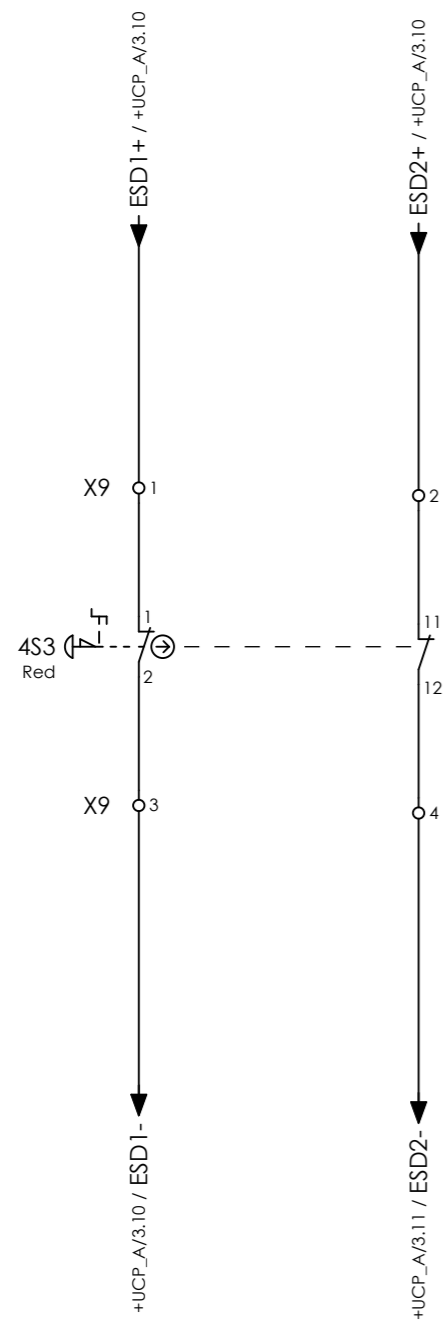


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT CONNECTION LAMPS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	51

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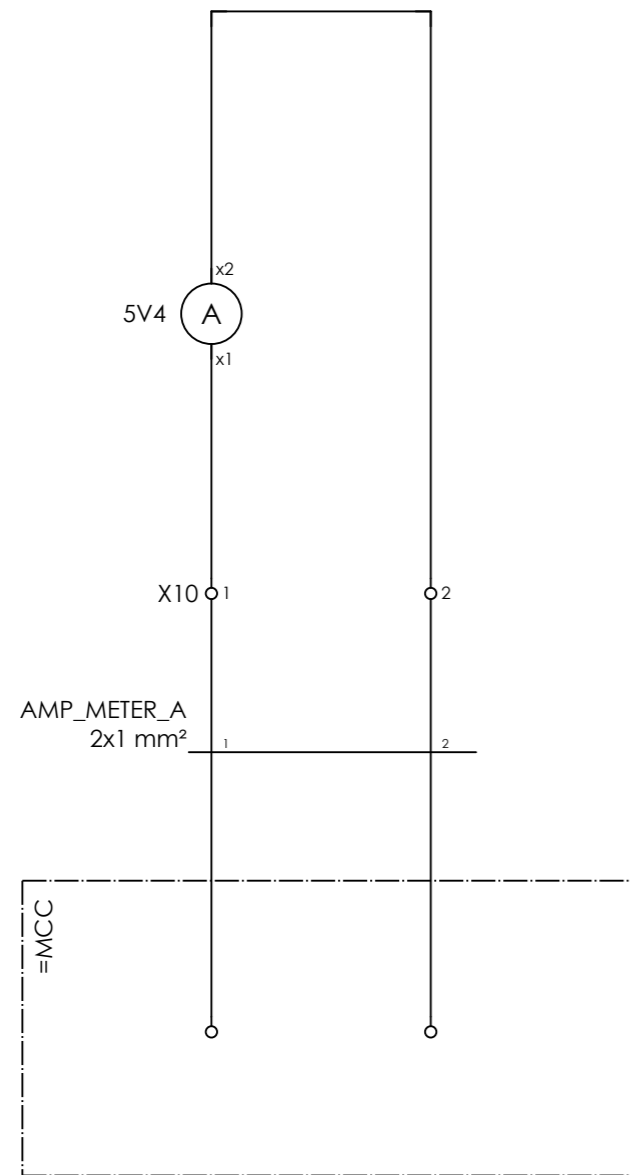
COMPRESSOR A
ESD BUTTON
PB-003



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION ESD BUTTON	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMA
CHECKED BY	RBE	+ LCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	52	



COMPRESSOR A
AMPEREMETER SIGNAL
FROM MCC



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION AMPEREMETER	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE	+ LCP_A
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	53	

Terminal diagram

Cable name		Strip =COMA+LCP_A-X5 CONNECTION PUSHBUTTONS AND LAMPS						Cable name																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point																
+UCP-A-X5	1	1	.	-2S4	3																				
+UCP-A-X5	2	2	.	-2S4	4																				
+UCP-A-X5	3	3	.	-2S6	1																				
+UCP-A-X5	4	4	.	-2S6	2																				
+UCP-A-X5	5	5	.	-2S8	3																				
+UCP-A-X5	6	6	.	-2S8	4																				
+UCP-A-X5	7	7	.	-2S10	3																				
+UCP-A-X5	8	8	.	-2S10	4																				
+UCP-A-X5	9	9	.	-2S10	13																				
+UCP-A-X5	10	10	.	-2S10	14																				
+UCP-A-X5	11	11	.																						
+UCP-A-X5	12	12	.																						
+UCP-A-X5	13	13	.																						
+UCP-A-X5	14	14	.																						
+UCP-A-X5	15	15	.	-3H4	x1																				
+UCP-A-X5	16	16	.	-3H4	x2																				
+UCP-A-X5	17	17	.	-3H6	x1																				
+UCP-A-X5	18	18	.	-3H6	x2																				
+UCP-A-X5	19	19	.	-3H8	x1																				
+UCP-A-X5	20	20	.	-3H8	x2																				
+UCP-A-X5	21	21	.	-3H10	x1																				
+UCP-A-X5	22	22	.	-3H10	x2																				
+UCP-A-X5	23	23	.																						
+UCP-A-X5	24	24	.																						
+UCP-A-X5	25	25	.																						
+UCP-A-X5	26	26	.																						



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMA+LCP_A-X5
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 LAST MODIFICATION DATE 24-11-2020
 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 54

= COMA
 + LCP_A
 CURRENT PAGE
 6

Terminal diagram

Cable name		Connection point		Terminal	Jumper	Target designation	Target designation	Connection point
Strip =COMA+LCP_A-X9 CONNECTION ESD BUTTON		1		1	.	-4S3	+UCP-A-X9	1
		2		3	.	-4S3	+UCP-A-X9	3
+UCP-ESD_LCP_A		4x1 mm²		1				3



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMA+LCP_A-X9
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 LAST MODIFICATION DATE 24-11-2020
 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 55

= COMA
 + LCP_A
 CURRENT PAGE

Terminal diagram

Cable name		Connection point		Terminal		Jumper		Target designation	
Strip =COMA+LCP_A-X10 CONNECTION AMPEREMETER FROM MCC		1	2	1	2	.	.	-5V4	-5V4
		Connection point		Terminal		Jumper		Target designation	
Cable name		Connection point		Terminal		Jumper		Target designation	
-AMP_METER_A	2x1 mm²	1	2						



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMA+LCP_A-X10
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 CHECKED BY RBE
 LAST MODIFICATION DATE 24-11-2020
 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 56

= COMA
 + LCP_A
 CURRENT PAGE

TERMINAL STRIP DEFINITION

- X0 = POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER
- X1 = SOLENOIDS
- X2 = ANALOGUE INPUTS
- X2.1 = ANALOGUE OUTPUTS
- X4 = SERIAL COMMUNICATION RS-485 TO CUSTOMER
- X5 = CONNECTION PUSHBUTTONS / LAMPS
- X8 = SIGNALS TO / FROM MCC
- X9 = EMERGENCY SHUTDOWN
- X11 = SIGNALS FROM DCS

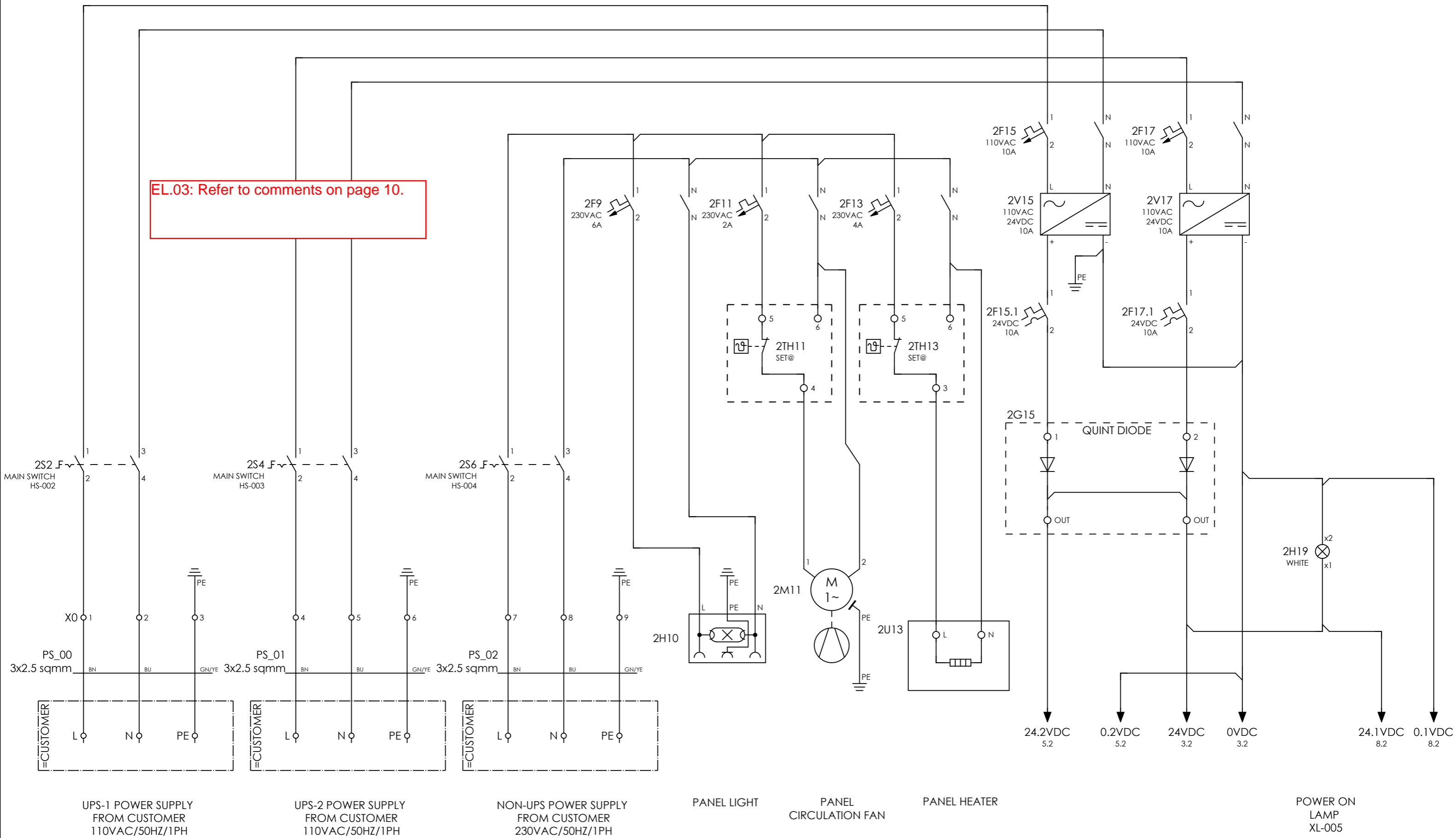


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT TERMINAL STRIP DEFINITION	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	57	

EL.03: Refer to comments on page 10.



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

PANEL LIGHT

PANEL CIRCULATION FAN

PANEL HEATER

POWER ON LAMP XL-005

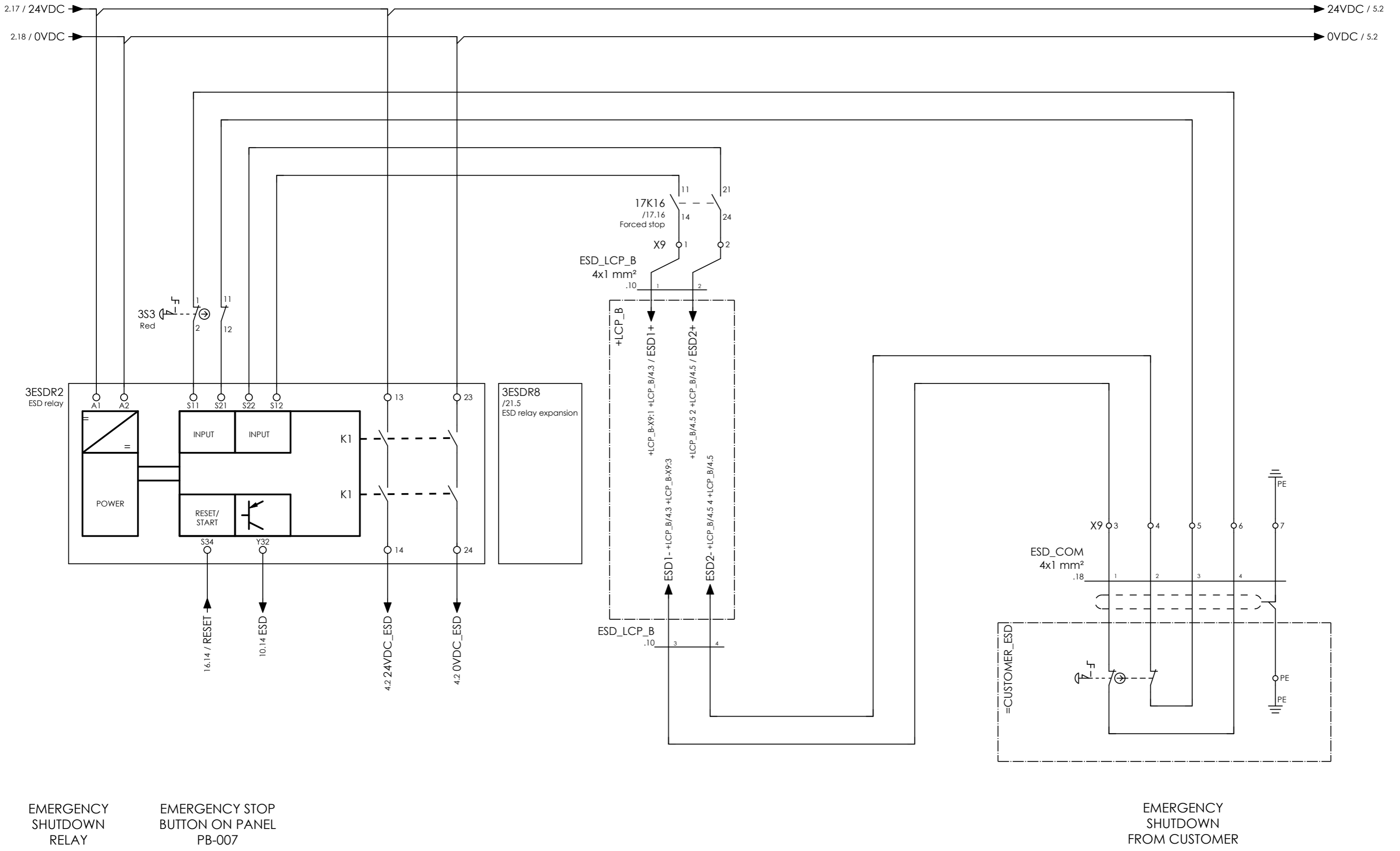


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT POWER SUPPLY	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	58

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+ UCP_B
CURRENT PAGE



EMERGENCY SHUTDOWN RELAY

EMERGENCY STOP BUTTON ON PANEL PB-007

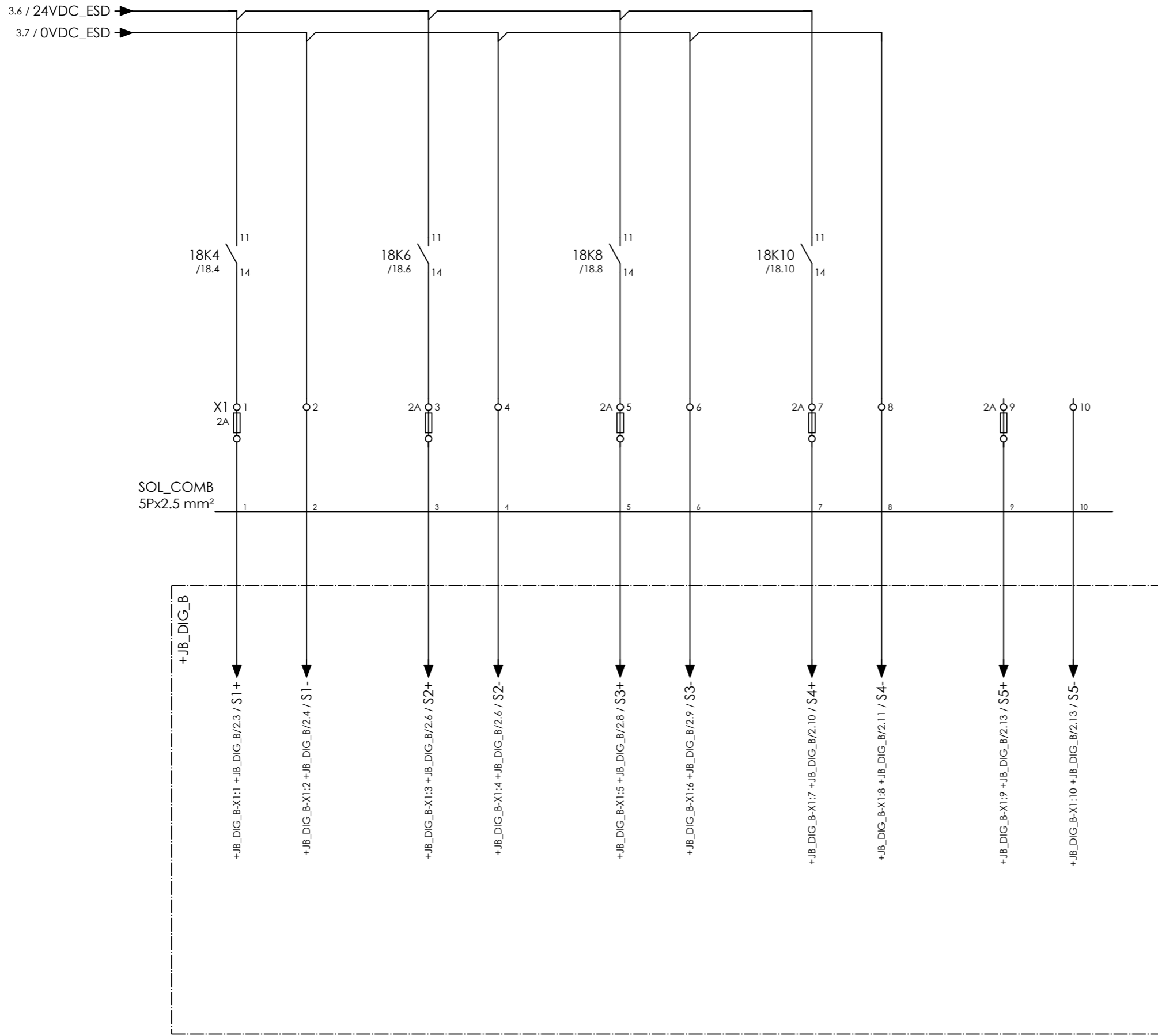
EMERGENCY SHUTDOWN FROM CUSTOMER



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT EMERGENCY SHUTDOWN	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

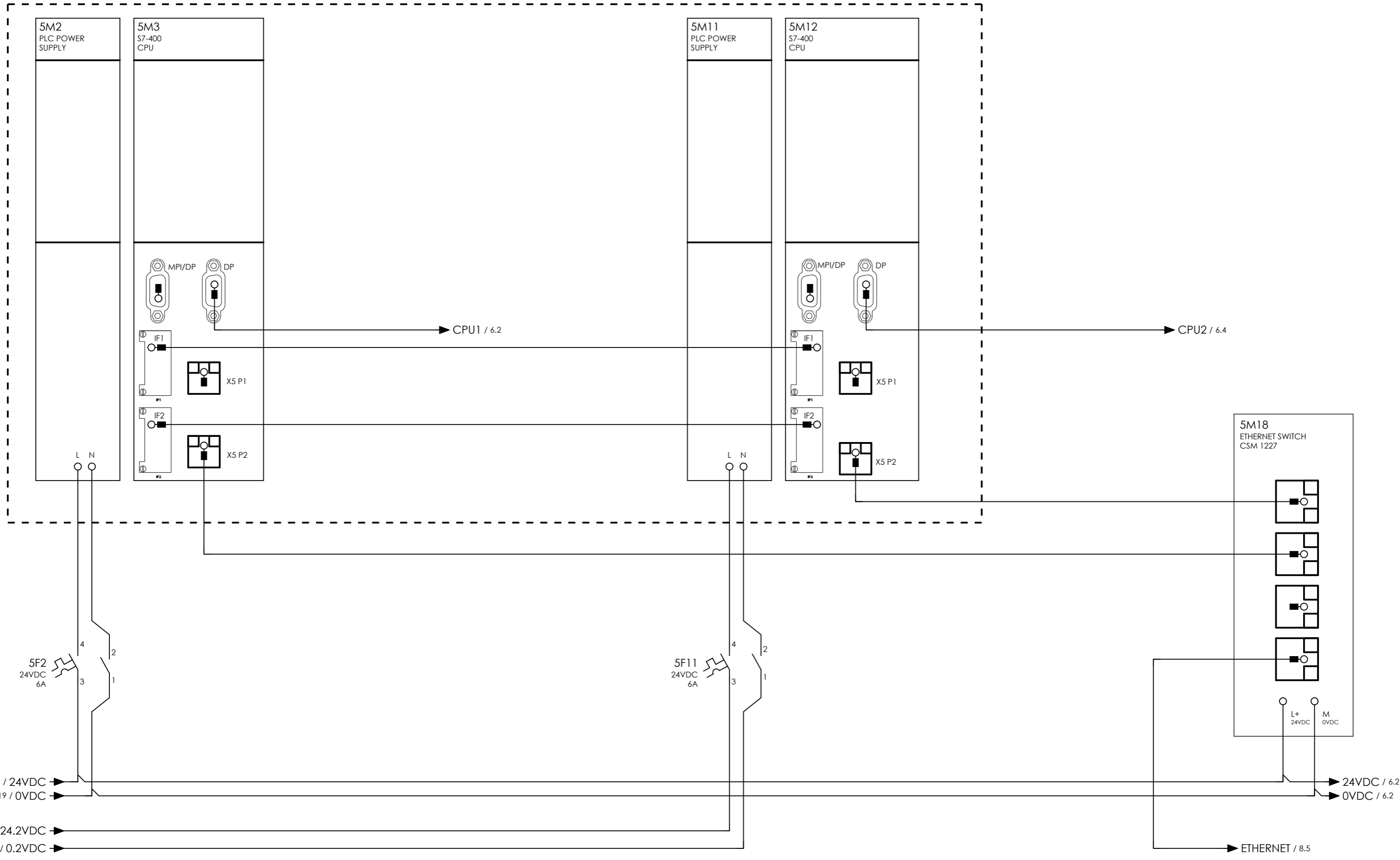
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AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	59	



COMPRESSOR B INLET SOLENOID VALVE XY-002B COMPRESSOR B COOLING WATER INLET SOLENOID VALVE XY-002B SPARE SPARE SPARE



CLIENT DWG NO.	N/A	SUBJECT		DRAWN BY	htaher	= COMB
EQUIPMENT NO.	20-C-1002, 20-C-7080	SOLENOIDS		CHECKED BY	RBE	+ UCP_B
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	24-11-2020	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	00	
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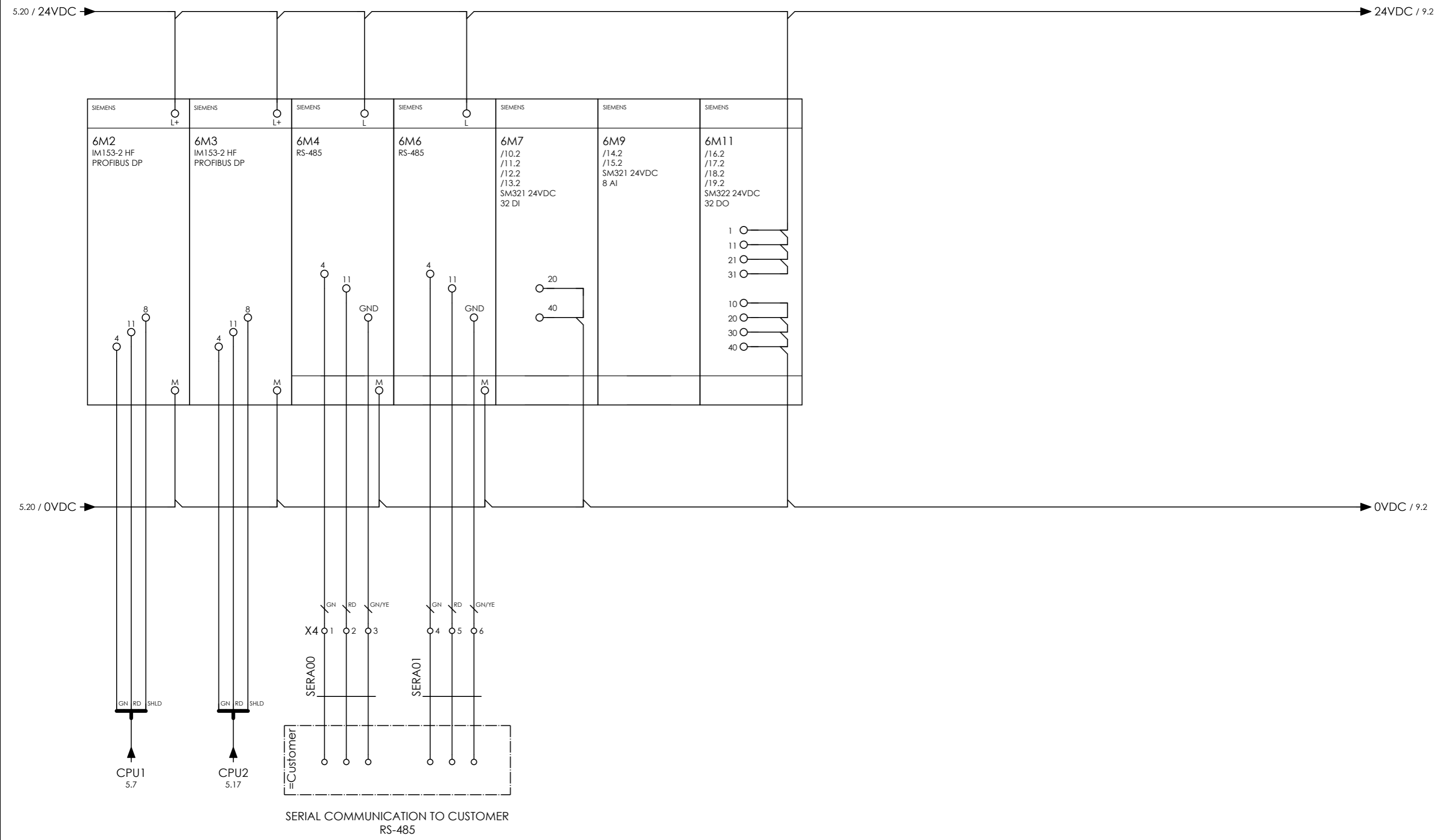


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT PLC LAYOUT	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	61	



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT IO RACK	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
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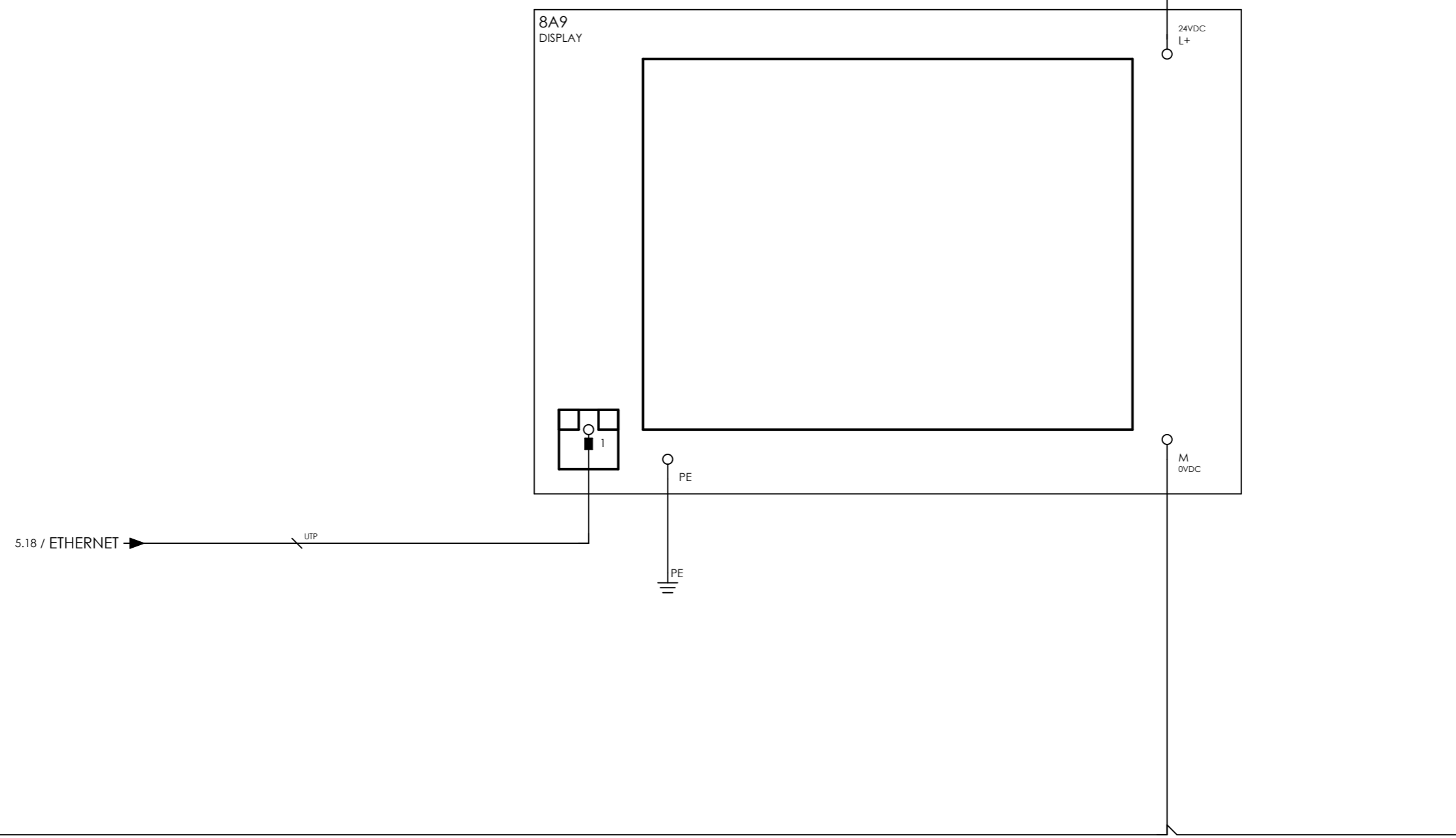
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	CLIENT	Bushehr Petrochemical Company (BUPC)		AIRPACK DWG NO.	17811-05		
	CLIENT REF.	Bushehr MEG Plant Project		REVISION	00		
AIRPACK REF.	17811-COM		TOTAL PAGE AMOUNT	63			

2.19 / 24.1VDC → 24.1VDC / 10.3



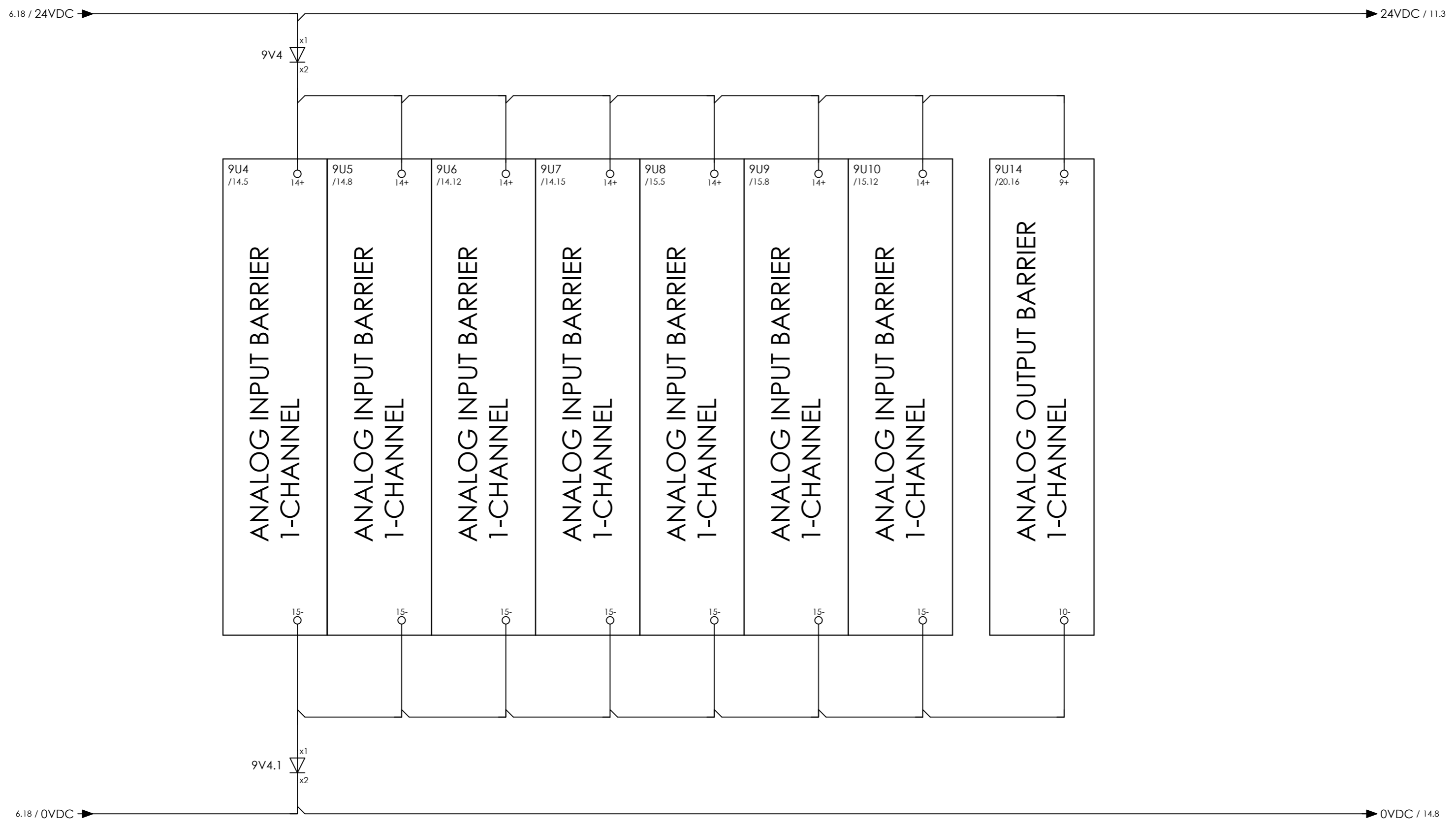
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EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DISPLAY	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
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TOTAL PAGE AMOUNT	64

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CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT BARRIERS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	65	

8.19 / 24.1VDC → 24.1VDC /

10S4 E
GREEN

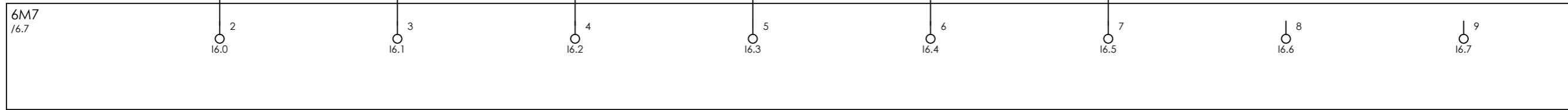
10S6 E
RED

10S8 E
BLACK

10S10 E
BLACK

10S12 E
BLACK

ESD / 3.4



COMPRESSOR B
START
PB-005

COMPRESSOR B
STOP
PB-006

COMPRESSOR B
LAMPTEST
PB-008

COMPRESSOR B
ACCEPT
PB-009

COMPRESSOR B
RESET
PB-010

ESD
ENGAGED

SPARE

SPARE

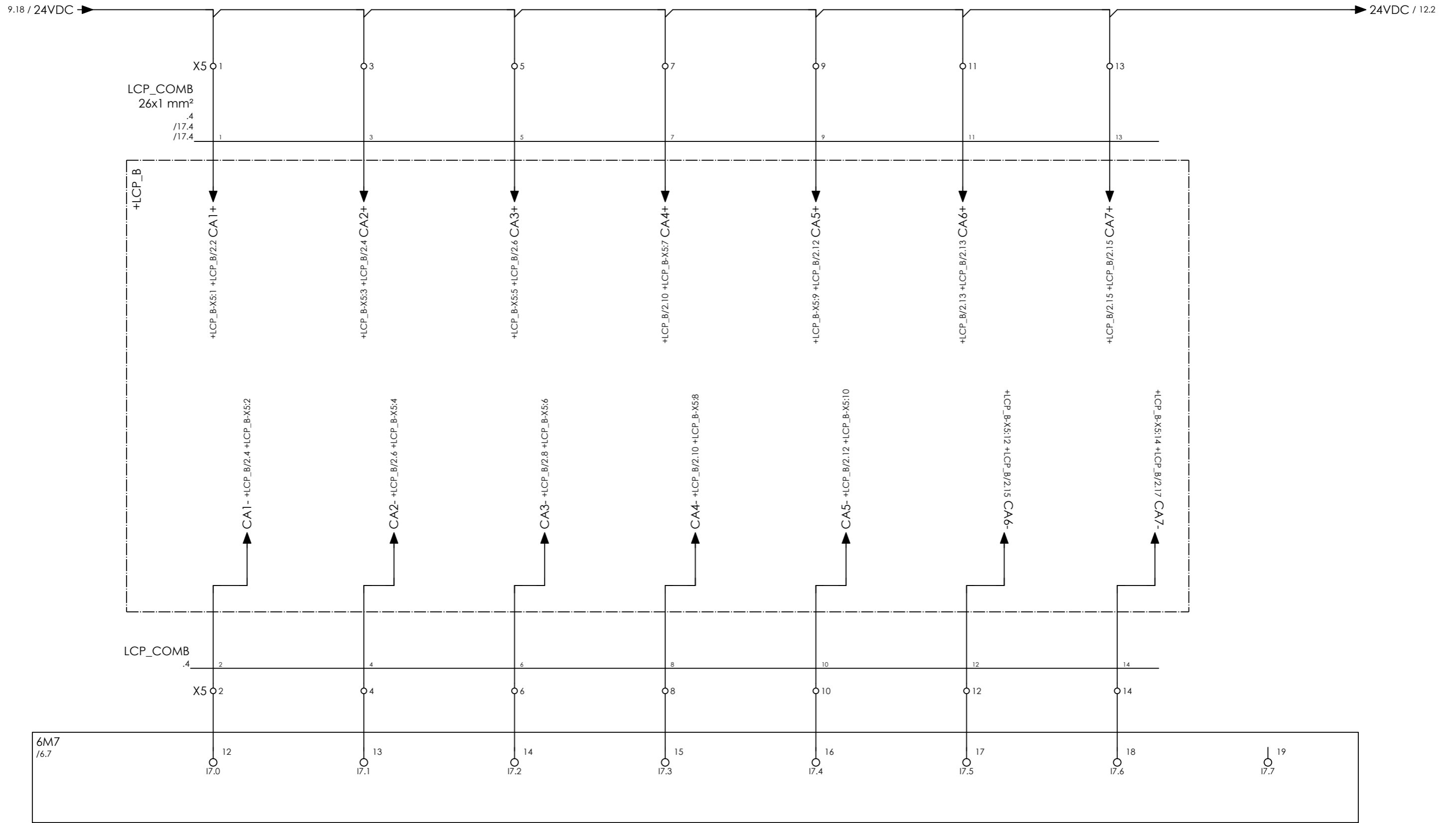


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE	+ UCP_B
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	66	



COMPRESSOR B START PB-001 COMPRESSOR B STOP PB-002 COMPRESSOR B LAMPTEST PB-004 COMPRESSOR B LOCAL HS-001 COMPRESSOR B REMOTE HS-001 SPARE SPARE SPARE

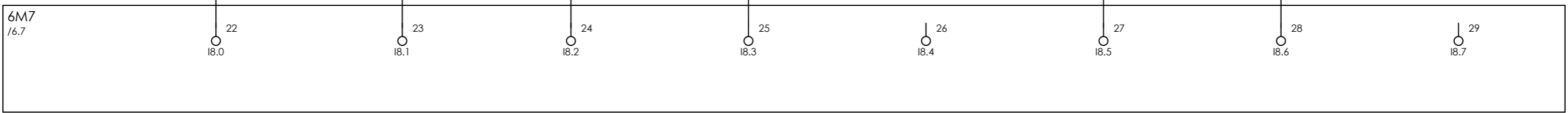
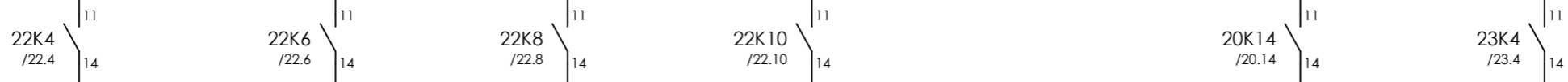


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	67	

11.19 / 24VDC → 24VDC / 14.8



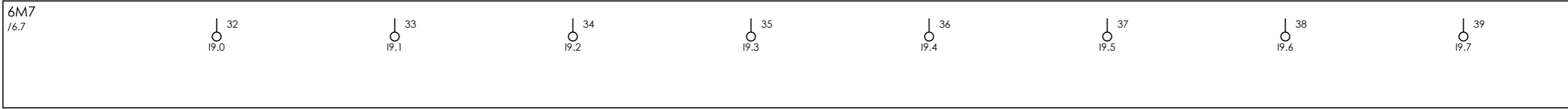
COMPRESSOR B MAIN MOTOR 20-M-7080 RUNNING COMPRESSOR B MAIN MOTOR 20-M-7080 FAULT SPARE SPARE SPARE COMPRESSOR B PID CONTROL ALARM TIME SYNCHRONIZATION SPARE



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	68	



SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE

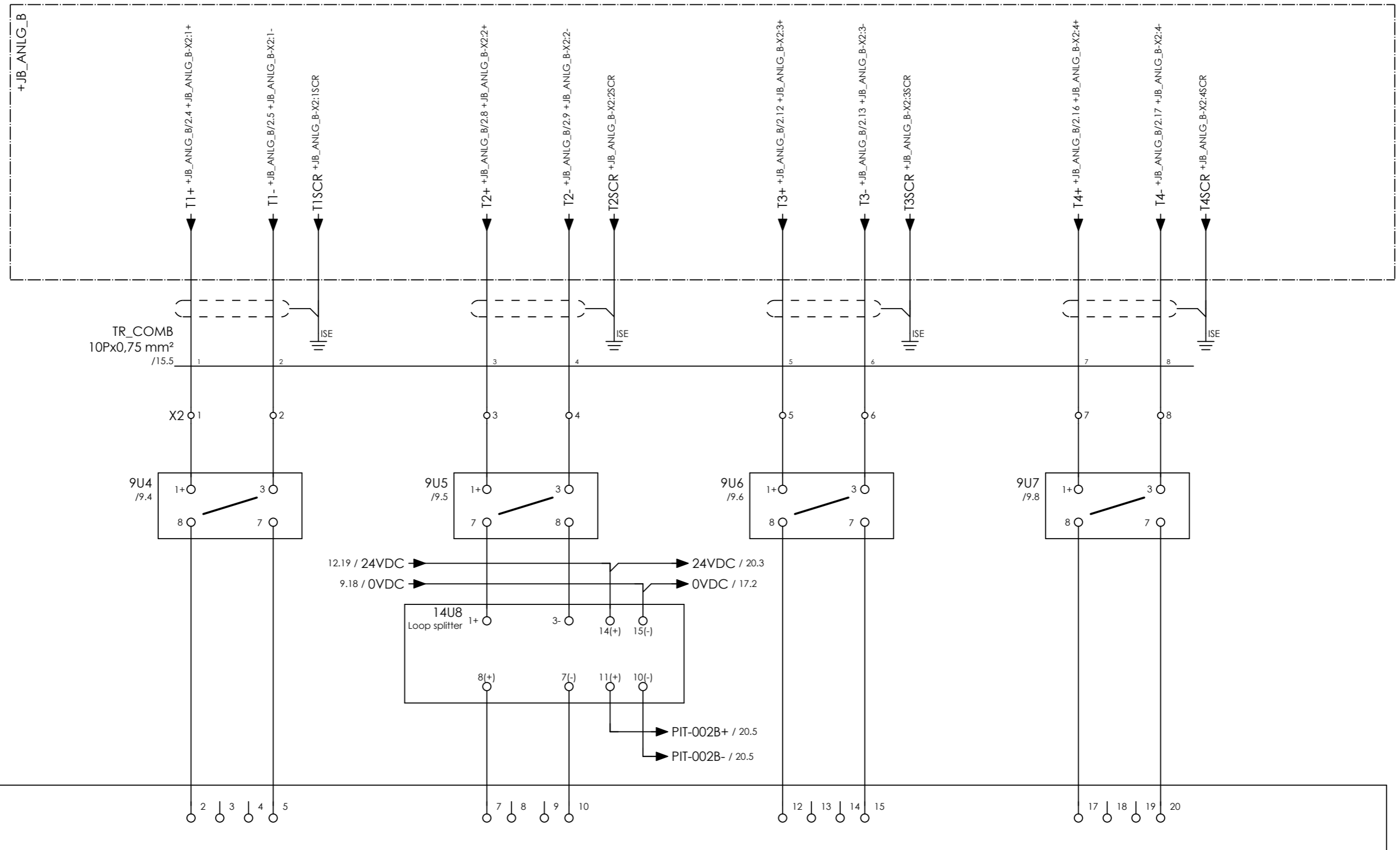


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	69

= COMB
+ UCP_B
CURRENT PAGE



COMPRESSOR B
INLET PRESSURE
PIT-001B

COMPRESSOR B
OUTLET PRESSURE
PIT-002B

COMPRESSOR B
OIL SYSTEM PRESSURE
PIT-003B

COMPRESSOR B
INLET TEMPERATURE
TIT-001B

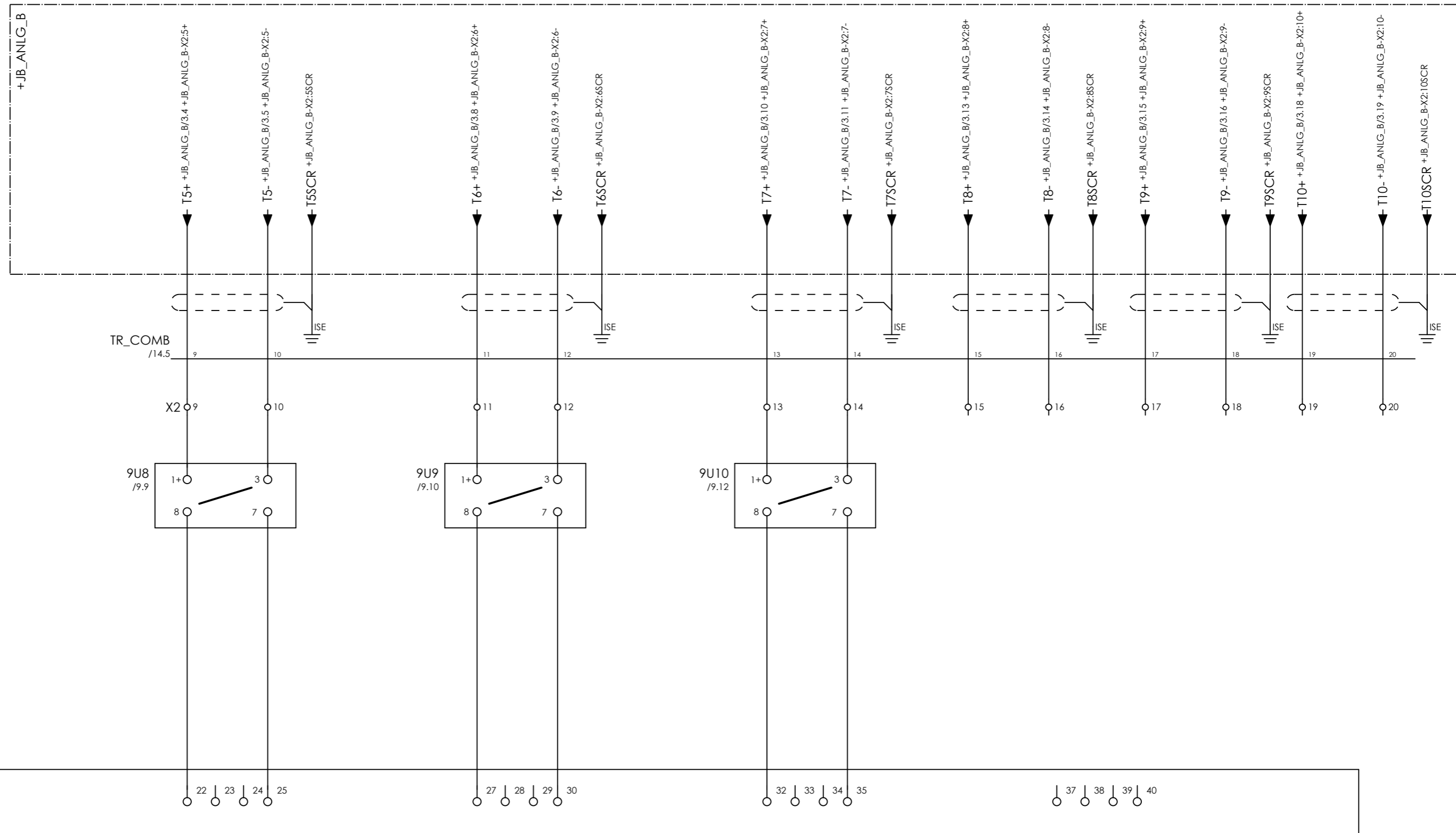


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	70

= COMB
+ UCP_B
CURRENT PAGE



COMPRESSOR B
UPSTREAM AFTER COOLER TEMPERATURE
TIT-002B

SPARE

SPARE

SPARE

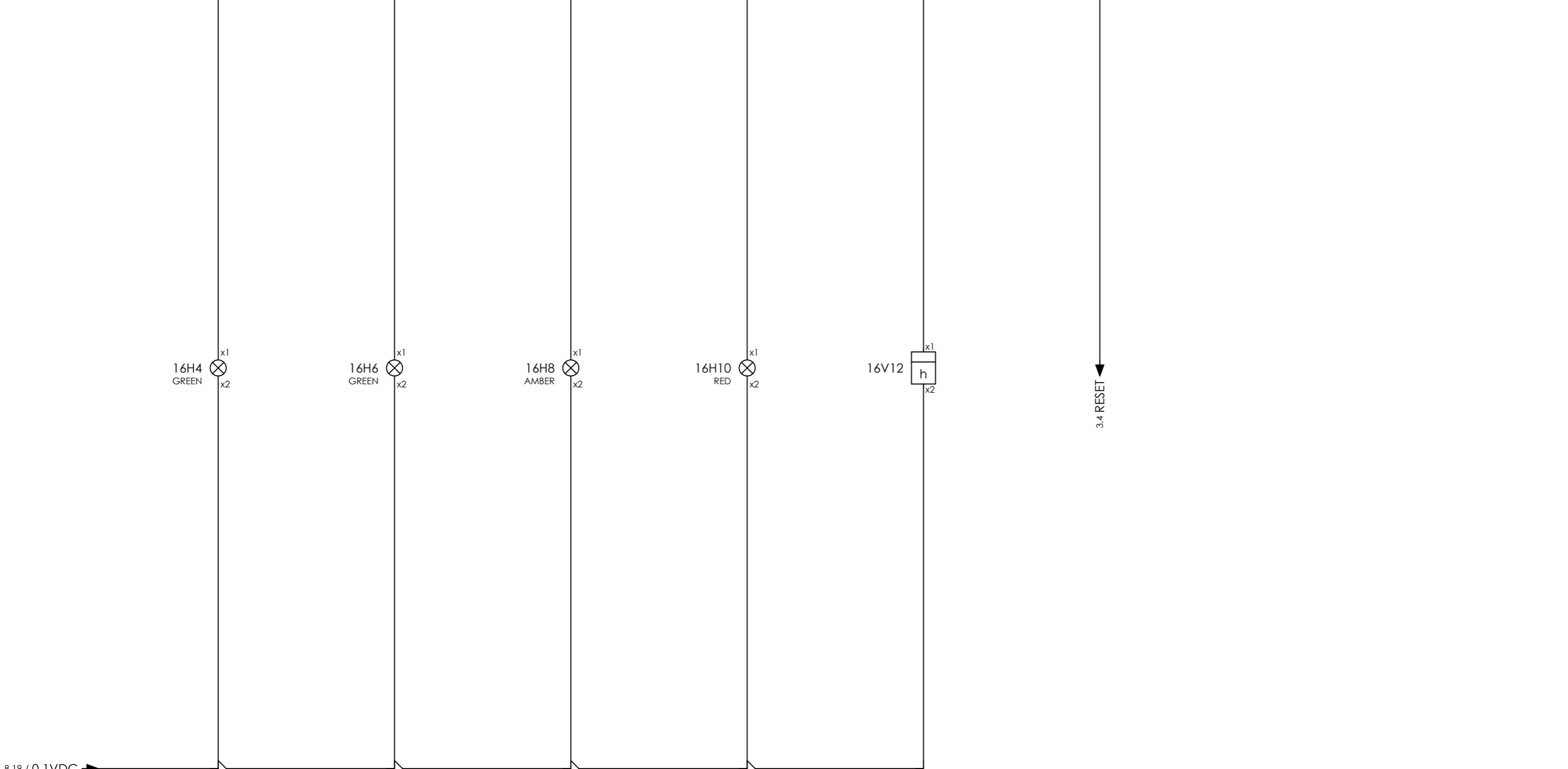
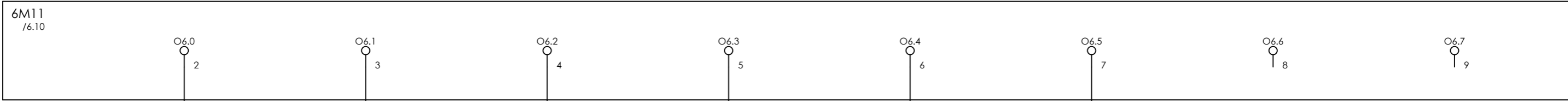


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT ANALOG INPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	71	



8.19 / 0.1VDC →

COMPRESSOR B OPERATIONAL XL-006 COMPRESSOR B RUNNING XL-007 COMPRESSOR B COMMON ALARM XL-008 COMPRESSOR B COMMON TRIP XL-009 COMPRESSOR B HOURMETER HM-001 RESET ESD RELAY SPARE SPARE



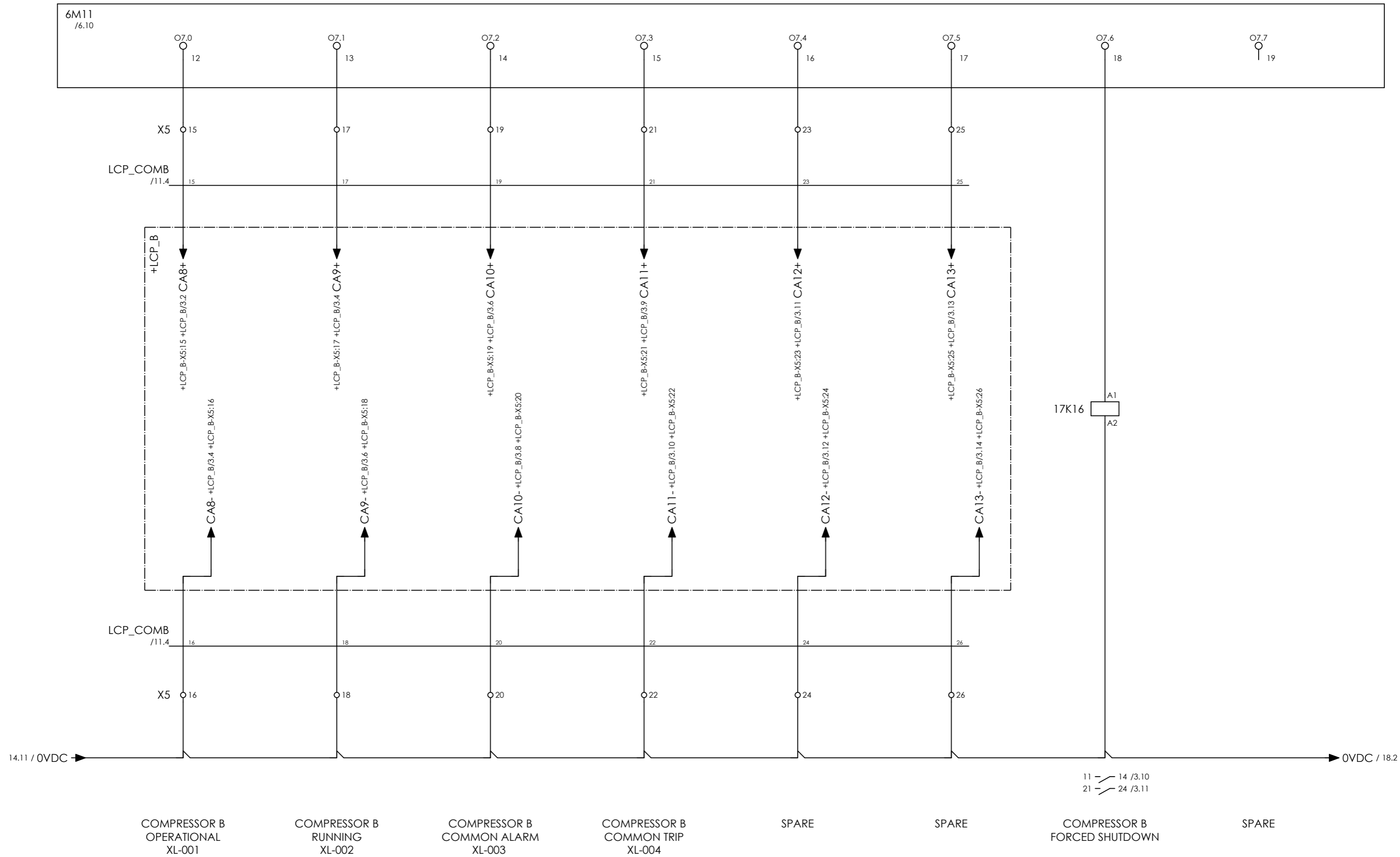
CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	72

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+ UCP_B
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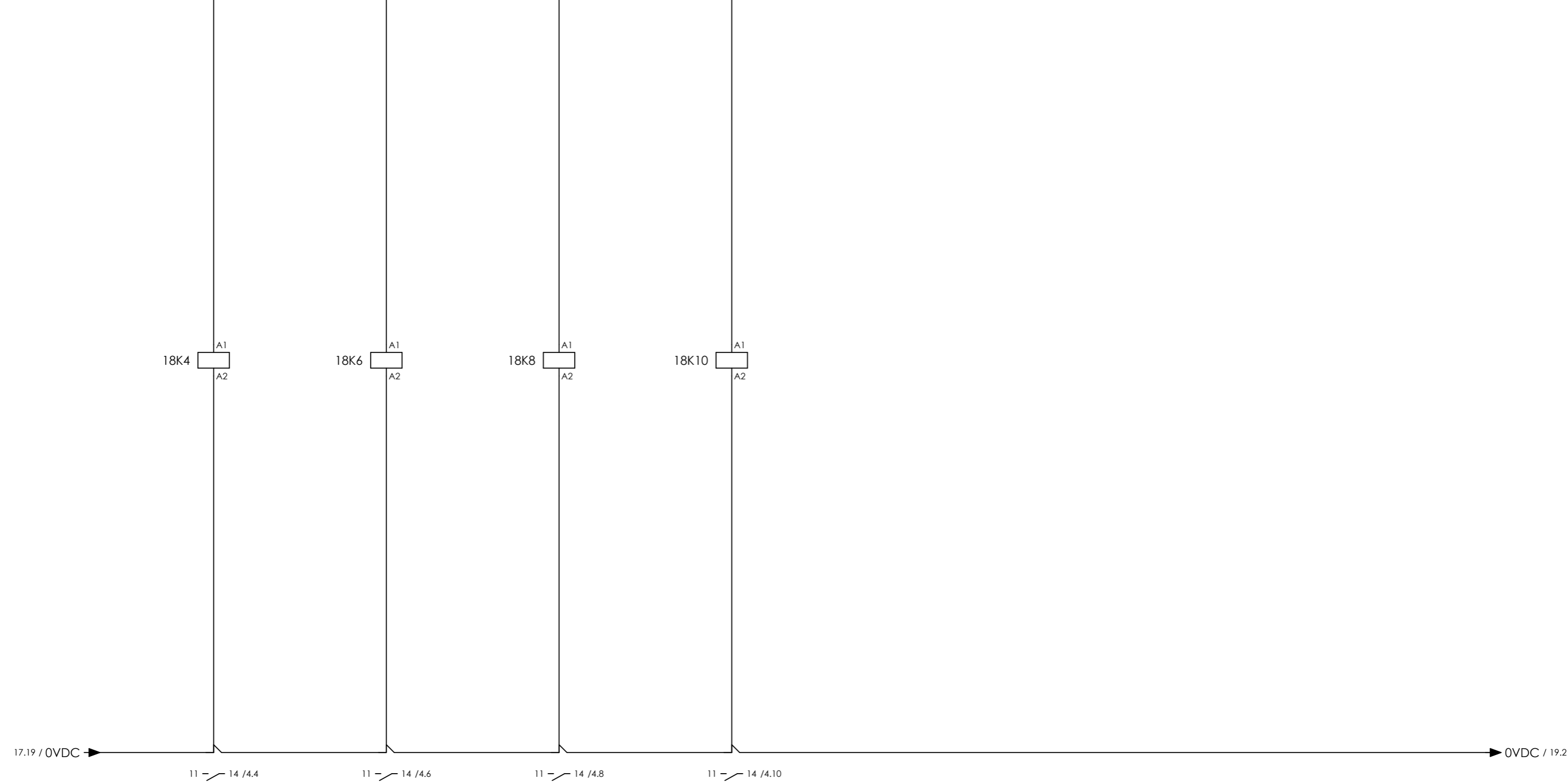


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT	
DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher
CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	73

= COMB
+ UCP_B
CURRENT PAGE



COMPRESSOR B SOLENOID VALVE XY-001B COMPRESSOR B SOLENOID VALVE XY-002B SPARE SPARE SPARE SPARE SPARE SPARE

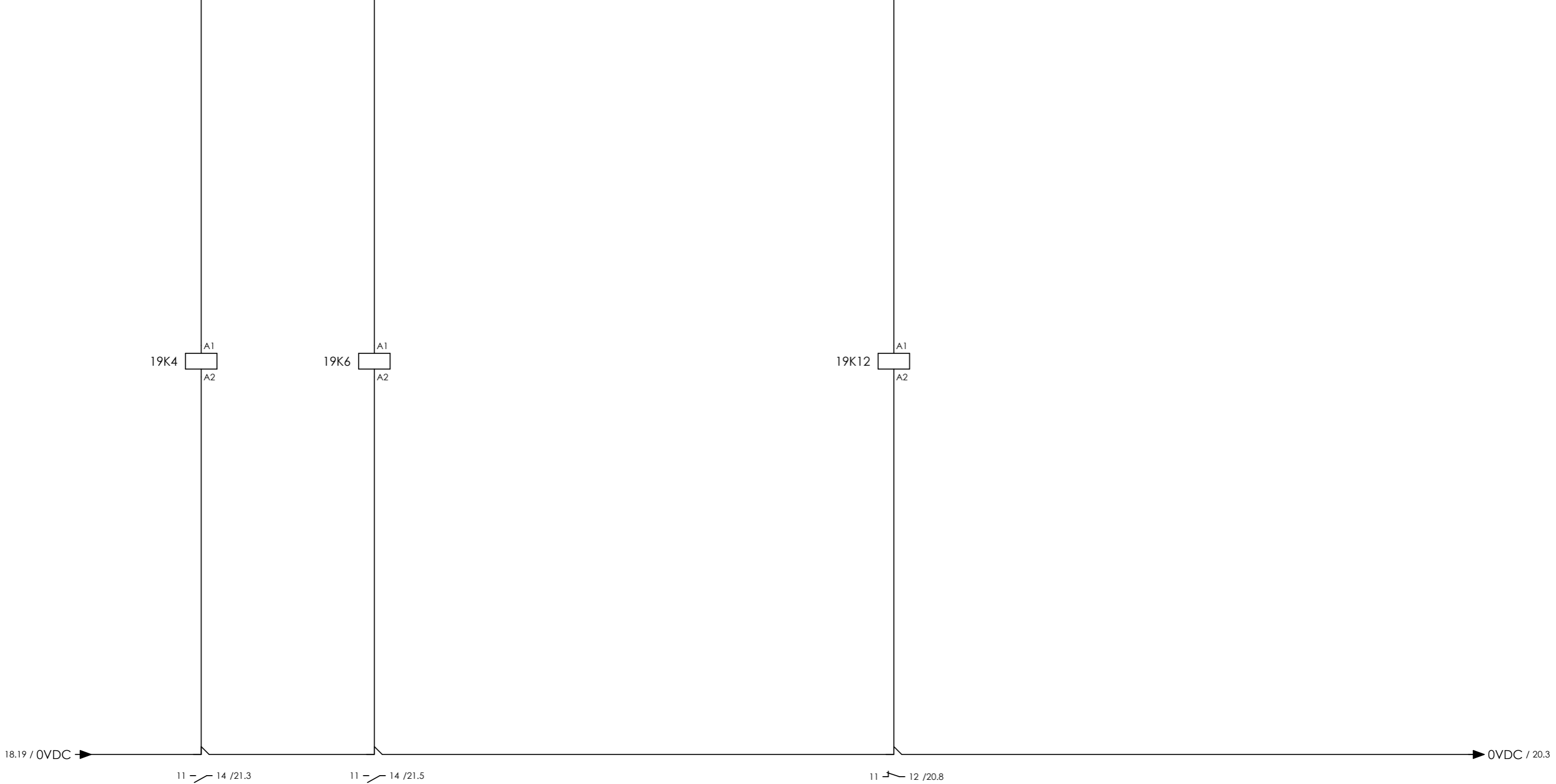


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE	+ UCP_B
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	74	



COMPRESSOR B MAIN MOTOR 20-M-7080 START
 COMPRESSOR B MAIN MOTOR 20-M-7080 STOP
 SPARE
 SPARE
 COMPRESSOR B PID CONTROL ACTIVE
 SPARE
 SPARE
 SPARE

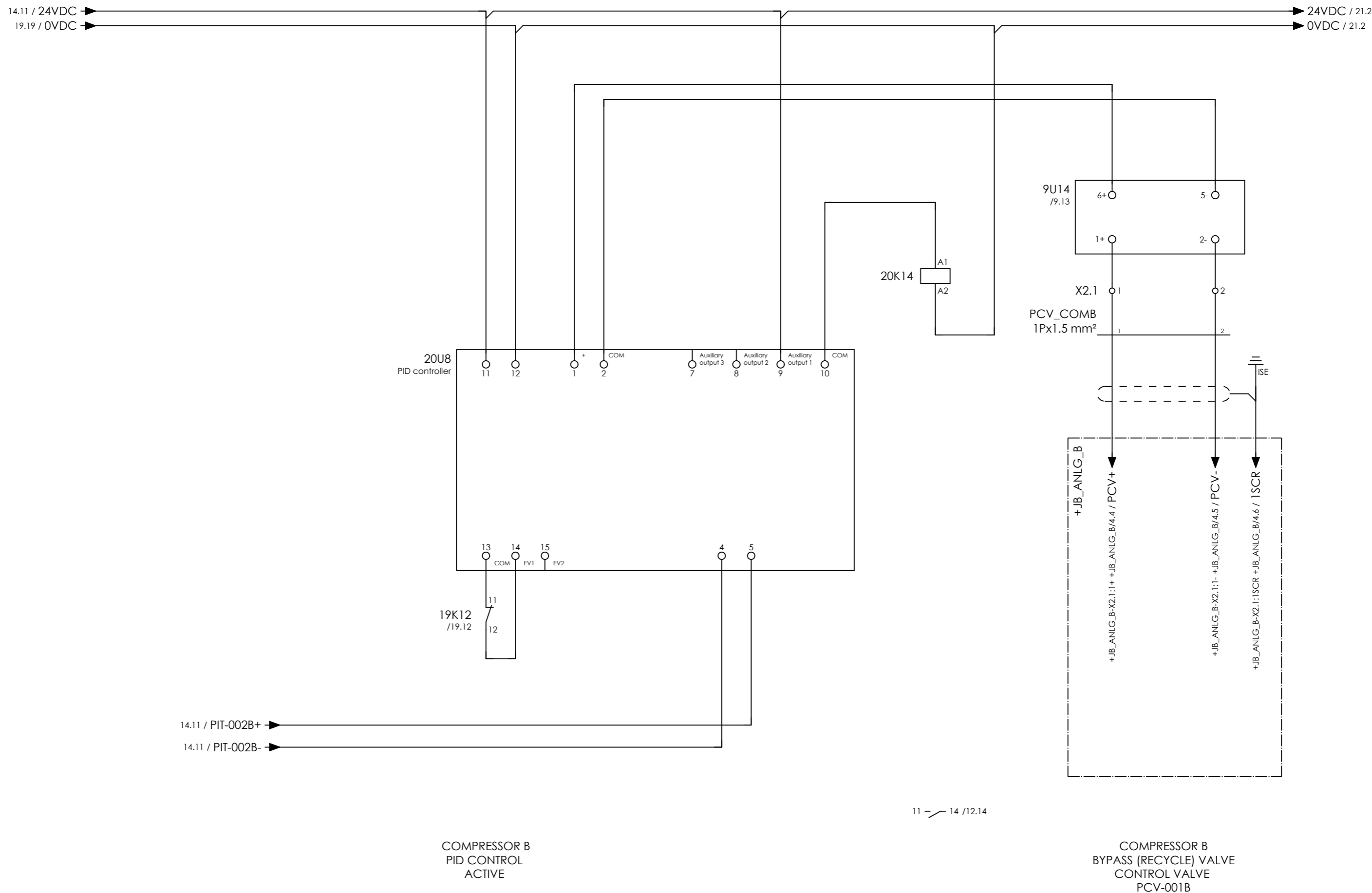


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL OUTPUTS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	75

= COMB
+ UCP_B
CURRENT PAGE



COMPRESSOR B
PID CONTROL
ACTIVE

COMPRESSOR B
BYPASS (RECYCLE) VALVE
CONTROL VALVE
PCV-001B

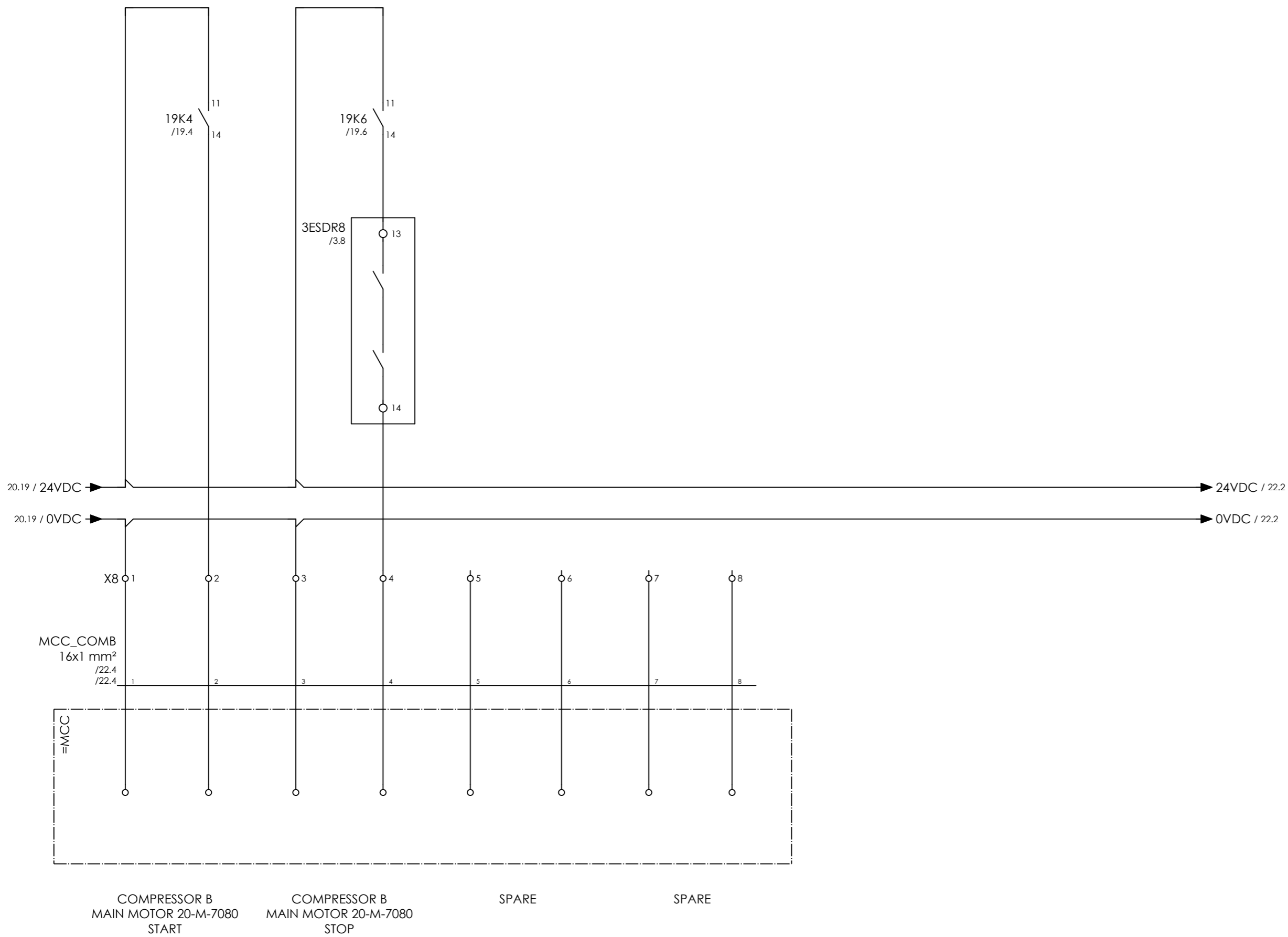
11 - 14 /12.14



CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT PID CONTROLLER	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE	+ UCP_B
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.		
REVISION		
PAGE NUMBER	46	

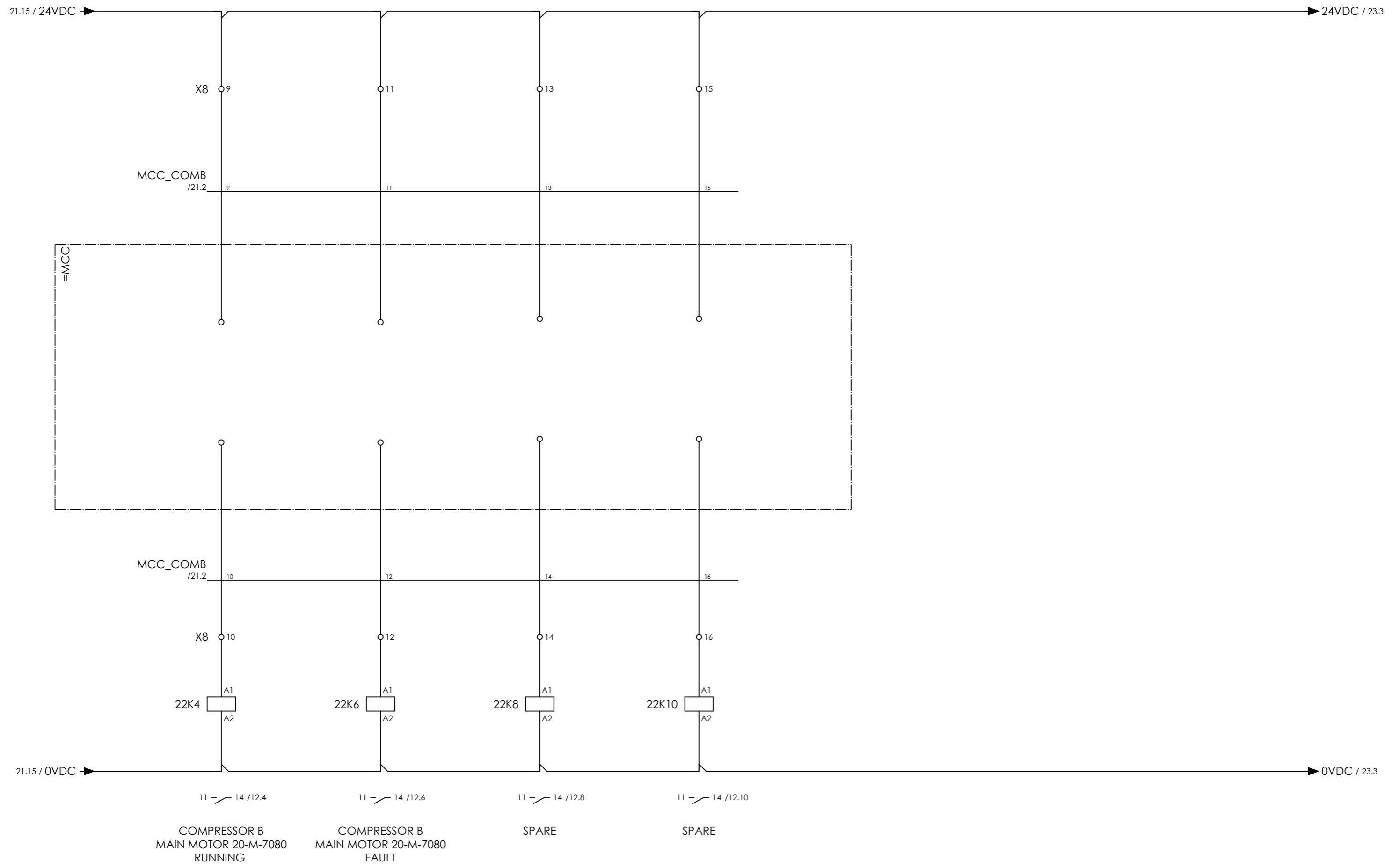


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT SIGNALS TO MCC	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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CHECKED BY	RBE
LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	77

= COMB
+ UCP_B
CURRENT PAGE

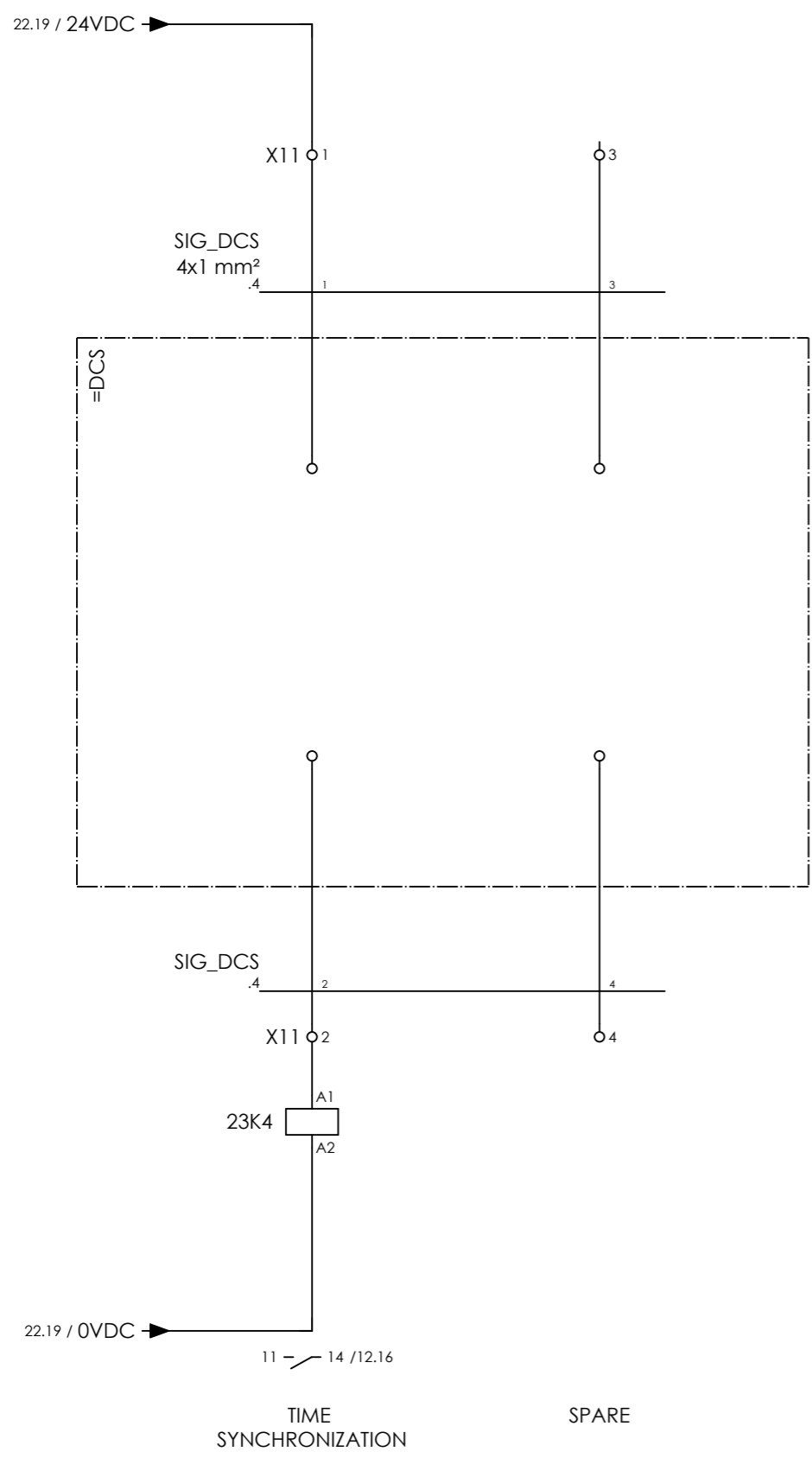


CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT SIGNALS FROM MCC	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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LAST MODIFICATION DATE	24-11-2020
AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	78

= COMB
+ UCP_B
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CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT SIGNALS FROM DCS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

DRAWN BY	htaher	= COMB
CHECKED BY	RBE	+ UCP_B
LAST MODIFICATION DATE	24-11-2020	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	79	

Terminal diagram

Cable name		Strip =COMB+UCP-X1 SOLENOIDS										Cable name	
Terminal	Connection point	Target designation	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Connection point		
1	1	+JB_DIG_B-X1			1	1			1				
2	2	+JB_DIG_B-X1	•	-20K4	2	2	•	-3ESDR2	2	2	24		
3	3	+JB_DIG_B-X1		-20K6	3	3			3	3	14		
4	4	+JB_DIG_B-X1	•		4	4	•		4	4			
5	5	+JB_DIG_B-X1		-20K8	5	5			5	5	14		
6	6	+JB_DIG_B-X1	•		6	6	•		6	6			
7	7	+JB_DIG_B-X1		-20K10	7	7			7	7	14		
8	8	+JB_DIG_B-X1	•		8	8	•		8	8			
9	9	+JB_DIG_B-X1			9	9			9	9			
10	10	+JB_DIG_B-X1			10	10			10	10			



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+UCP-X1
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
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 TOTAL PAGE AMOUNT 81

= COMB
 + UCP_B
 CURRENT PAGE
 25

Terminal diagram

Cable name		Strip =COMB+UCP-X2 ANALOGUE INPUTS										Cable name	
		Target designation	Connection point	Terminal	Jumper	Target designation	Connection point						
-TR_COMB	10Px0,75 mm²	+JB_ANLIG_B-X2	1	1	.	-9U4	1+						
		+JB_ANLIG_B-X2	2	2	.	-9U4	3						
		+JB_ANLIG_B-X2	3	3	.	-9U5	1+						
		+JB_ANLIG_B-X2	4	4	.	-9U5	3						
		+JB_ANLIG_B-X2	5	5	.	-9U6	1+						
		+JB_ANLIG_B-X2	6	6	.	-9U6	3						
		+JB_ANLIG_B-X2	7	7	.	-9U7	1+						
		+JB_ANLIG_B-X2	8	8	.	-9U7	3						
		+JB_ANLIG_B-X2	9	9	.	-9U8	1+						
		+JB_ANLIG_B-X2	10	10	.	-9U8	3						
		+JB_ANLIG_B-X2	11	11	.	-9U9	1+						
		+JB_ANLIG_B-X2	12	12	.	-9U9	3						
		+JB_ANLIG_B-X2	13	13	.	-9U10	1+						
		+JB_ANLIG_B-X2	14	14	.	-9U10	3						
		+JB_ANLIG_B-X2	15	15	.								
		+JB_ANLIG_B-X2	16	16	.								
		+JB_ANLIG_B-X2	17	17	.								
		+JB_ANLIG_B-X2	18	18	.								
		+JB_ANLIG_B-X2	19	19	.								
		+JB_ANLIG_B-X2	20	20	.								



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+UCP-X2
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 82

= COMB
 + UCP_B
 CURRENT PAGE
 26

Terminal diagram

Cable name		Connection point		Terminal		Jumper		Target designation	
Strip =COMB+UCP-X2.1 ANALOGUE OUTPUTS		1	2	1	2	.	.	-22U8	-22U8
		1	2	1	2				
Cable name		Connection point		Terminal		Jumper		Target designation	
-PCV_COMB		1Px1.5 mm²		1 2				+JB_ANLG_B-X2.1 +JB_ANLG_B-X2.1	



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+UCP-X2.1
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 83

= COMB
 + UCP_B
 CURRENT PAGE
 27

Terminal diagram

Cable name		Strip =COMB+UCP-X5 CONNECTION PUSHBUTTONS / LAMPS						Cable name		
Terminal	Connection point	Target designation	Terminal	Jumper	Target designation	Connection point	Terminal	Connection point	Target designation	Connection point
-LCP_COMB	26x1 mm ²									
1	1	+LCP_B-X5	1	•	-9V4	X1				
2	2	+LCP_B-X5	2	•	-6M7	12				
3	3	+LCP_B-X5	3	•	-6M7	13				
4	4	+LCP_B-X5	4	•	-6M7	14				
5	5	+LCP_B-X5	5	•	-6M7	15				
6	6	+LCP_B-X5	6	•	-6M7	16				
7	7	+LCP_B-X5	7	•	-6M7	17				
8	8	+LCP_B-X5	8	•	-6M7	18				
9	9	+LCP_B-X5	9	•	-6M7	19				
10	10	+LCP_B-X5	10	•	-6M7	20				
11	11	+LCP_B-X5	11	•	-24K4	11				
12	12	+LCP_B-X5	12	•	-6M7	12				
13	13	+LCP_B-X5	13	•	-6M7	15(-)				
14	14	+LCP_B-X5	14	•	-6M7	13				
15	15	+LCP_B-X5	15	•	-6M11	14				
16	16	+LCP_B-X5	16	•	-14U8	15				
17	17	+LCP_B-X5	17	•	-6M11	16				
18	18	+LCP_B-X5	18	•	-6M11	17				
19	19	+LCP_B-X5	19	•	-6M11	18				
20	20	+LCP_B-X5	20	•	-6M11	19				
21	21	+LCP_B-X5	21	•	-6M11	20				
22	22	+LCP_B-X5	22	•	-6M11	21				
23	23	+LCP_B-X5	23	•	-6M11	22				
24	24	+LCP_B-X5	24	•	-6M11	23				
25	25	+LCP_B-X5	25	•	-6M11	24				
26	26	+LCP_B-X5	26	•	-19K16	25				
						A2				



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+UCP-X5
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 LAST MODIFICATION DATE 24-11-2020
 AIRPACK DWG NO. 17811-05
 REVISION 00
 TOTAL PAGE AMOUNT 85

= COMB
 + UCP_B
 CURRENT PAGE
 29

Terminal diagram

Cable name		Strip =COMB+UCP-X8 SIGNALS TO / FROM MCC						Cable name	
Terminal	Connection point	Terminal	Connection point	Terminal	Connection point	Terminal	Connection point	Terminal	Connection point
1	A2	1	A2	1	A2	1	A2	1	A2
2	14	2	14	2	14	2	14	2	14
3		3		3		3		3	
4	14	4	14	4	14	4	14	4	14
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10	A1	10	A1	10	A1	10	A1	10	A1
11		11		11		11		11	
12	A1	12	A1	12	A1	12	A1	12	A1
13		13		13		13		13	
14	A1	14	A1	14	A1	14	A1	14	A1
15		15		15		15		15	
16	A1	16	A1	16	A1	16	A1	16	A1



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+UCP-X8
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
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 30

TERMINAL STRIP DEFINITION

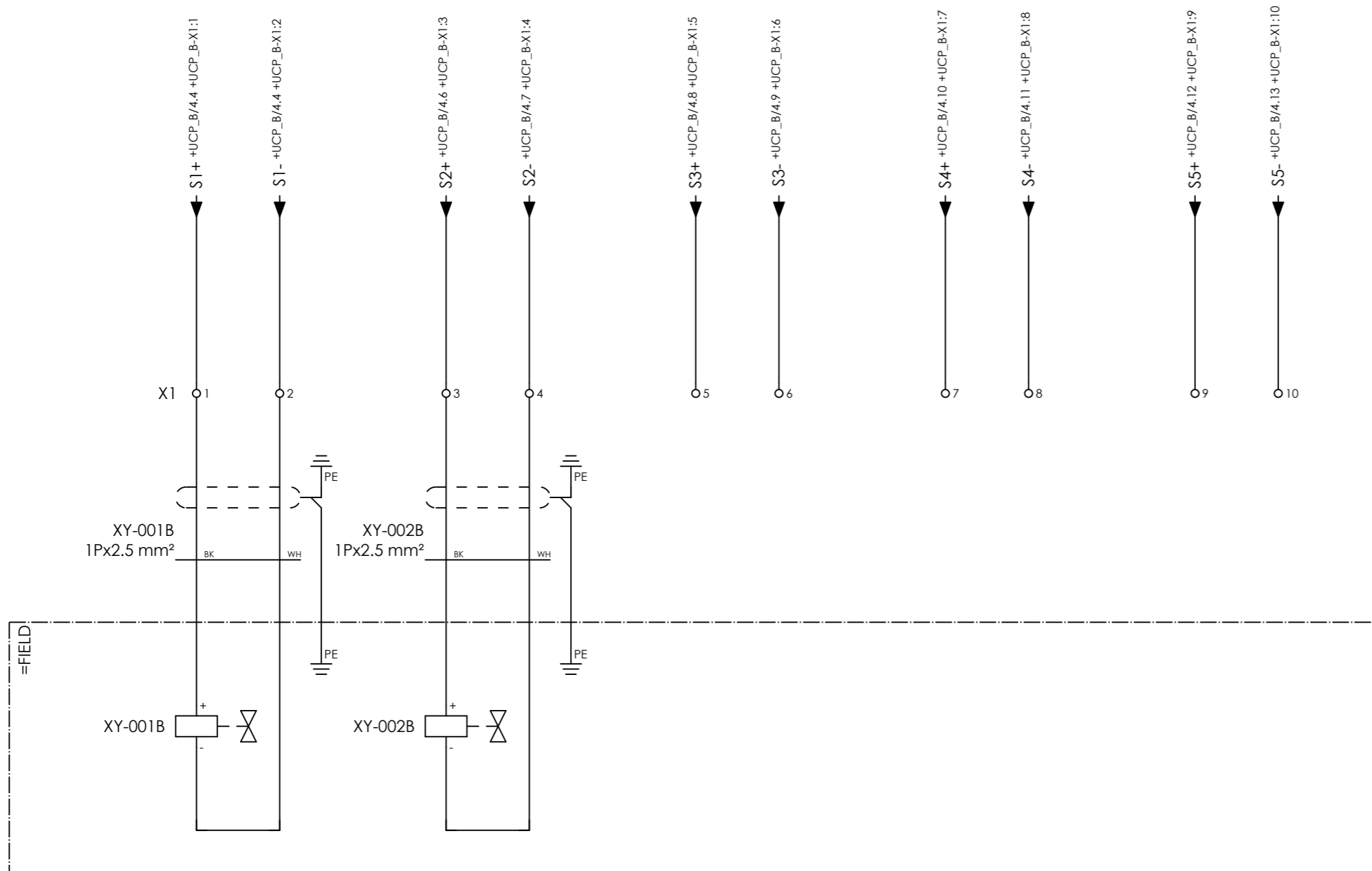
X1 = CONNECTION SOLENOIDS



CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT TERMINAL STRIP DEFINITION	
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CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.		
REVISION		
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COMPRESSOR B
INLET
SOLENOID VALVE
XY-001B

COMPRESSOR B
COOLING WATER INLET
SOLENOID VALVE
XY-002B

SPARE

SPARE

SPARE



CLIENT DWG NO.
EQUIPMENT NO.
EQUIPMENT LOCATION
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SUBJECT
CONNECTION SOLENOIDS
ADAPTED TO P&ID REVISION
CLIENT
CLIENT REF.
AIRPACK REF.

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24-11-2020
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92

TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS
 X2.1 = CONNECTION CONTROL VALVE

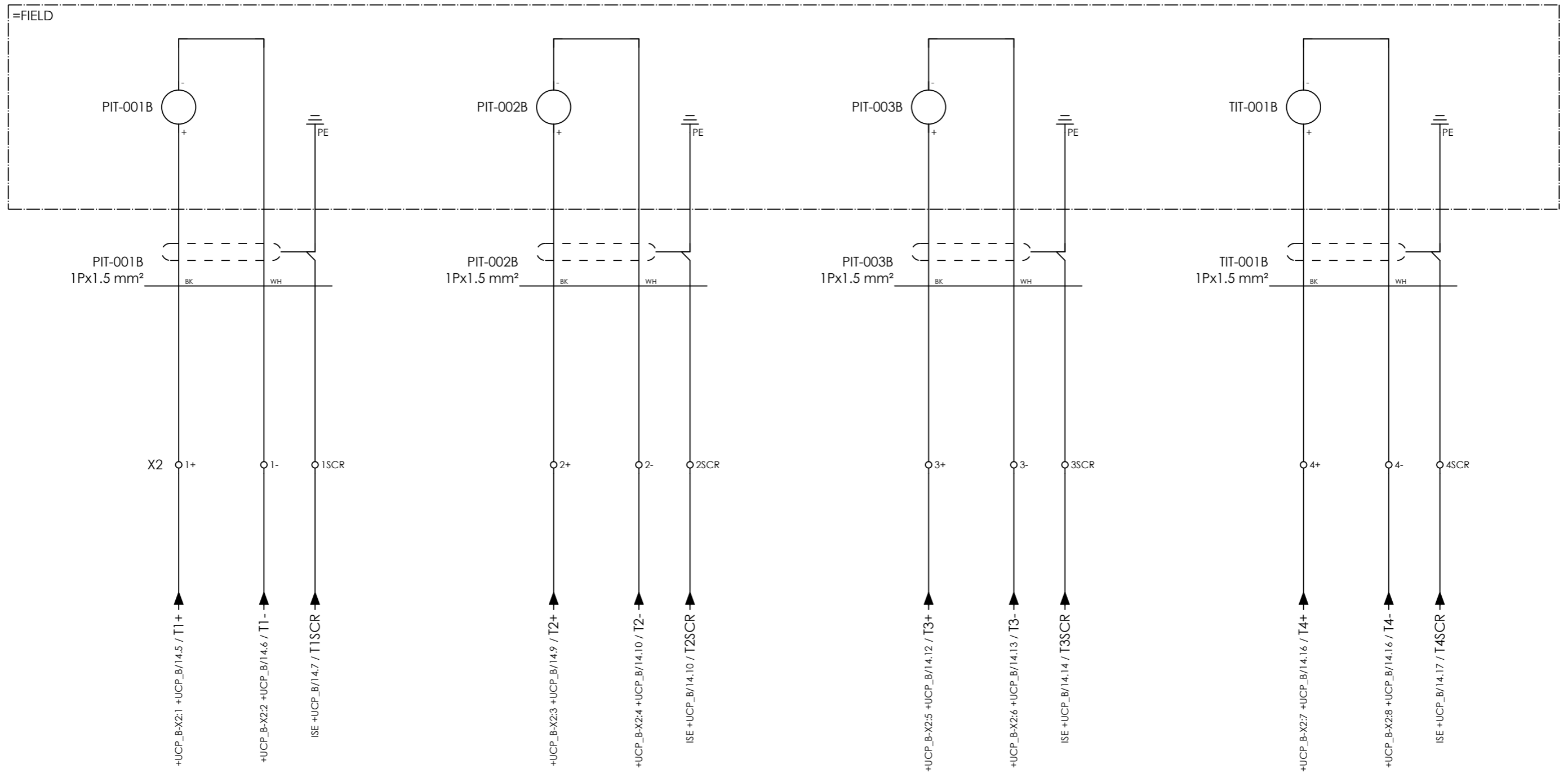


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EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	
REVISION	
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COMPRESSOR B
INLET PRESSURE
PIT-001B

COMPRESSOR B
OUTLET PRESSURE
PIT-002B

COMPRESSOR B
OIL SYSTEM PRESSURE
PIT-003B

COMPRESSOR B
INLET TEMPERATURE
TIT-001B



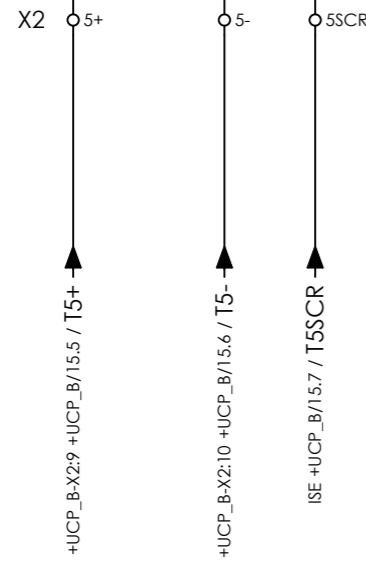
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EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION TRANSMITTERS	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

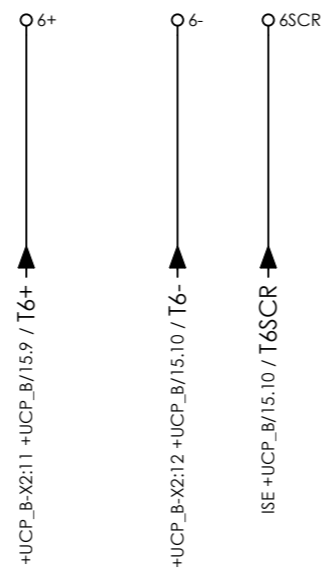
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CHECKED BY	RBE	+ JB_ANLG_B
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AIRPACK DWG NO.		
REVISION		
PAGE NUMBER	95	



TIT-002B
1Px1.5 mm²
BK WH



COMPRESSOR B
UPSTREAM AFTER COOLER TEMPERATURE
TIT-002B



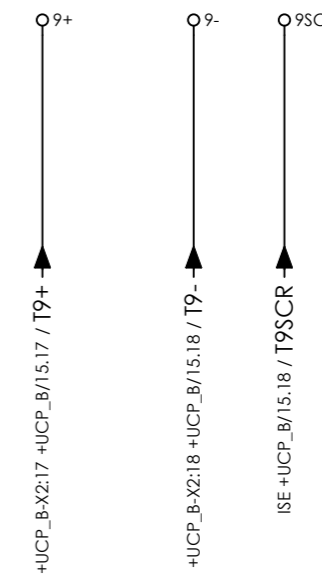
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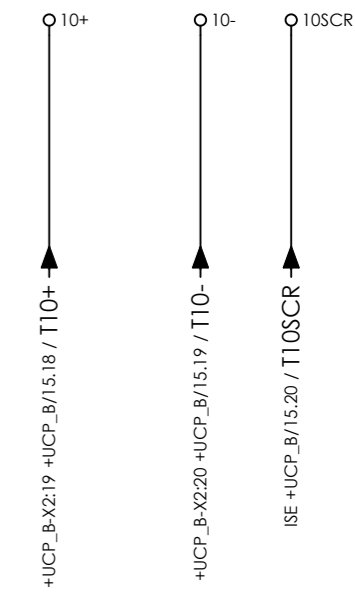
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SPARE



SPARE



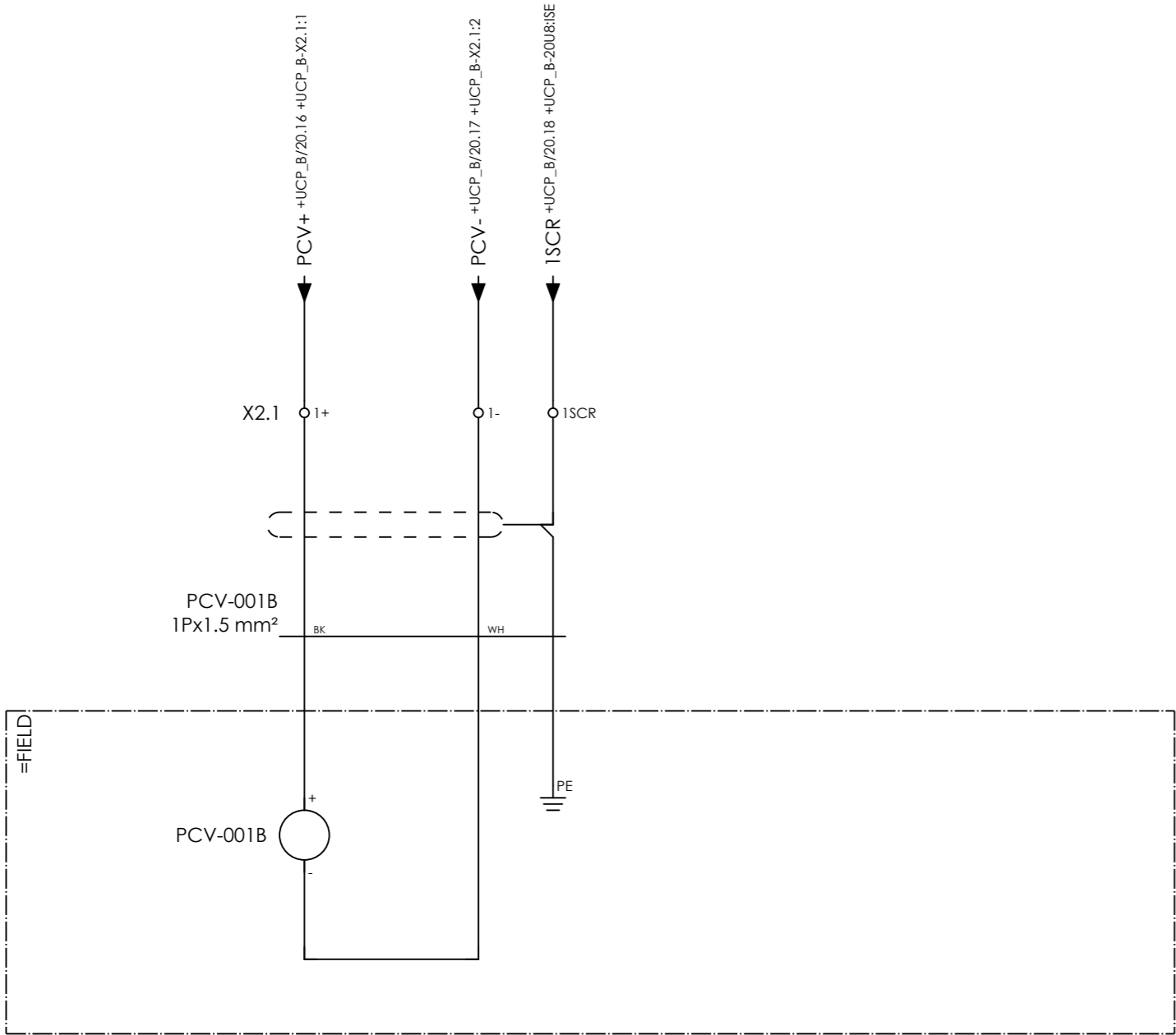
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CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION TRANSMITTERS	
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CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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REVISION		
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COMPRESSOR B
 BYPASS (RECYCLE) VALVE
 CONTROL VALVE
 PCV-001B



CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION CONTROL VALVE	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	
REVISION	
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TERMINAL STRIP DEFINITION

X5 = CONNECTION PUSHBUTTONS AND LAMPS
 X9 = CONNECTION ESD BUTTON
 X10 = CONNECTION AMPEREMETER FROM MCC

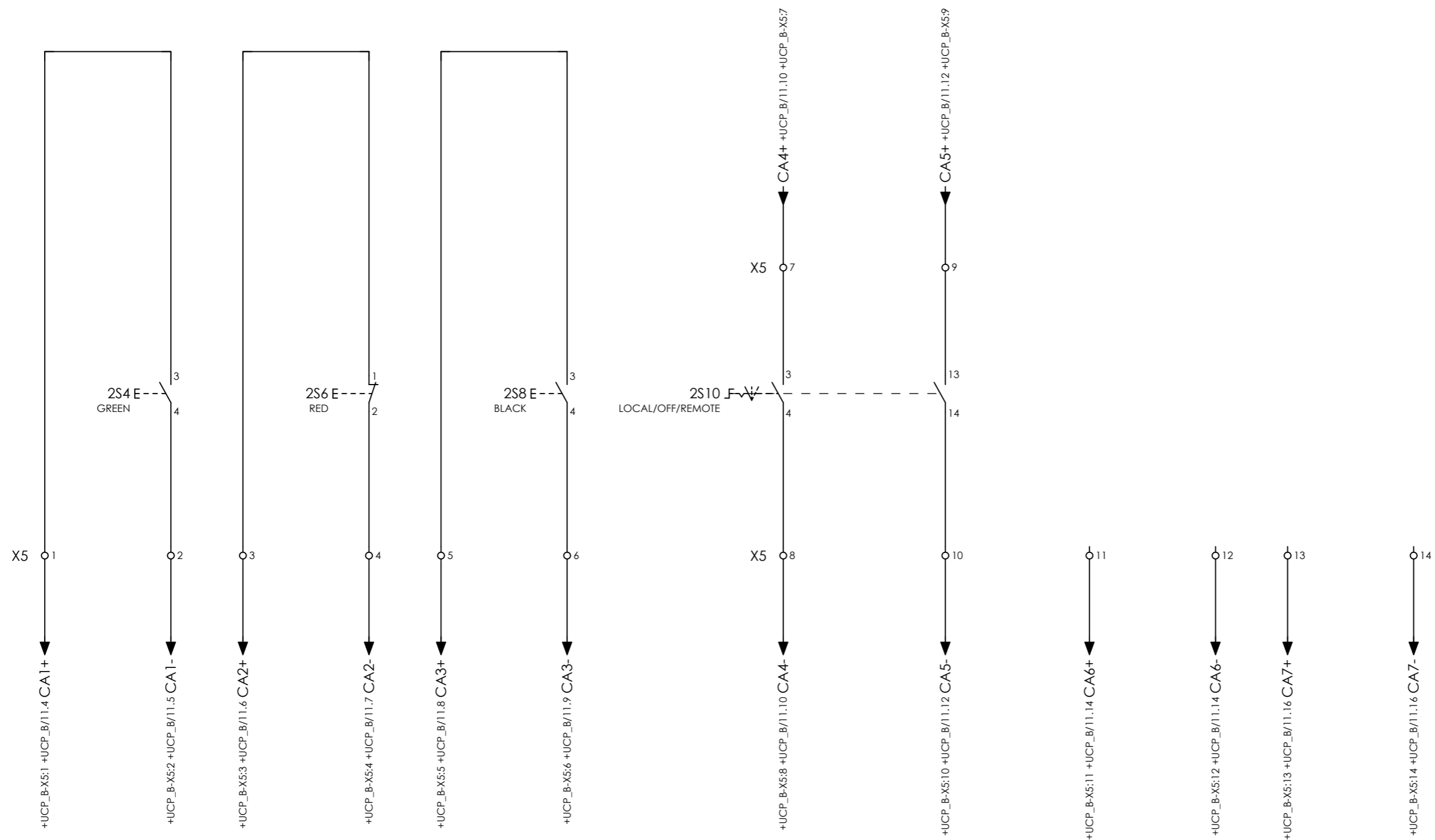


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT TERMINAL STRIP DEFINITION	
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CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

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COMPRESSOR B
START
PB-001

COMPRESSOR B
STOP
PB-002

COMPRESSOR B
LAMPTEST
PB-004

COMPRESSOR B
LOCAL
HS-001

COMPRESSOR B
REMOTE
HS-001

SPARE

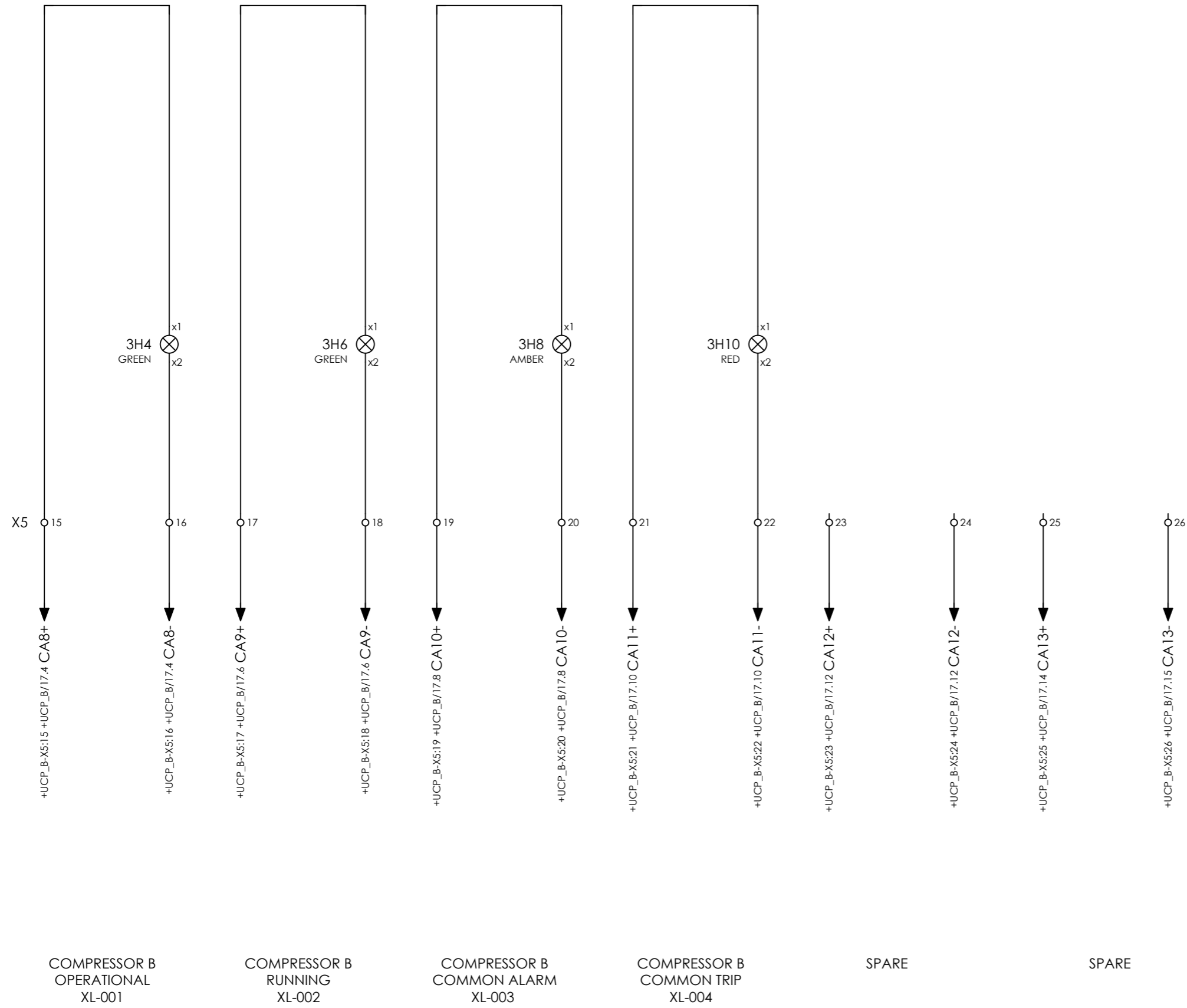
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CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION PUSHBUTTONS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

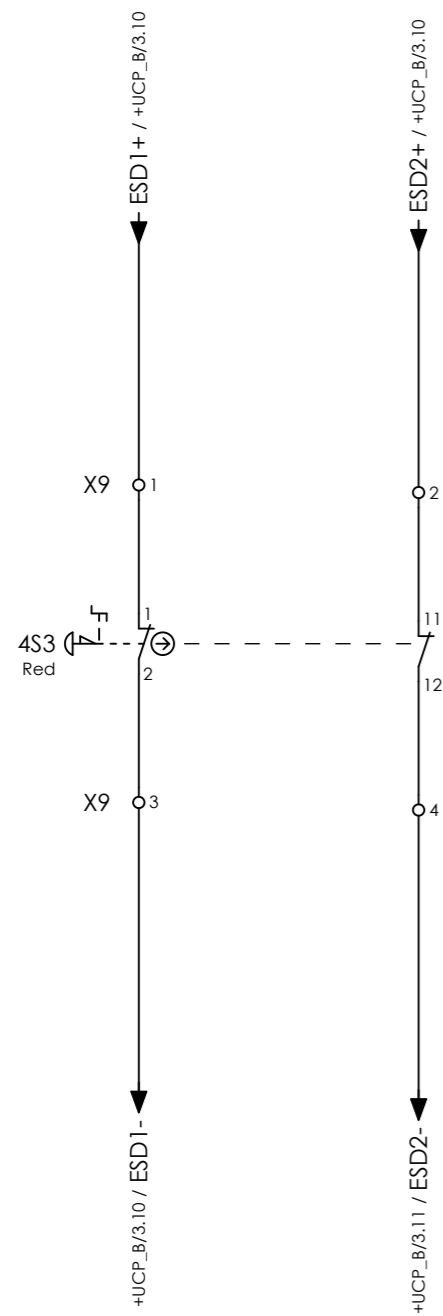
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AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	100	



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION LAMPS	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	17811-05	
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TOTAL PAGE AMOUNT	101	



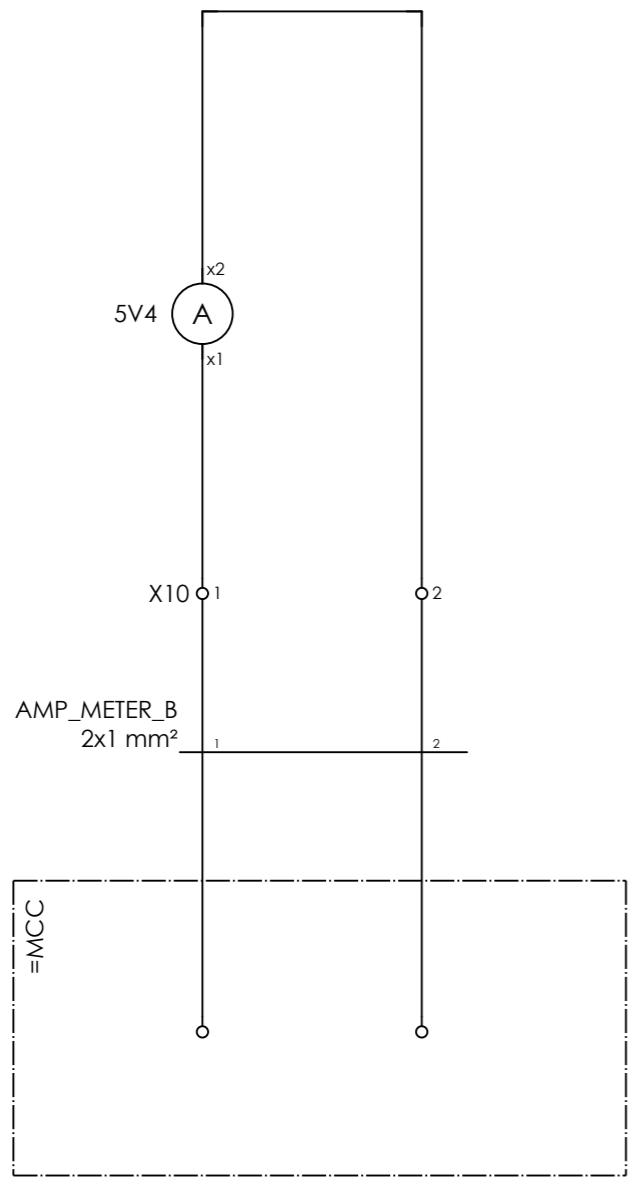
COMPRESSOR B
ESD BUTTON
PB-003



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION ESD BUTTON	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	17811-05	
REVISION	00	
TOTAL PAGE AMOUNT	102	



COMPRESSOR B
AMPEREMETER SIGNAL
FROM MCC



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT CONNECTION AMPEREMETER	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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AIRPACK DWG NO.	17811-05
REVISION	00
TOTAL PAGE AMOUNT	103

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+ LCP_B
CURRENT PAGE

Terminal diagram

Cable name		Strip =COMB+LCP_B-X5 CONNECTION PUSHBUTTONS AND LAMPS						Cable name		
		Target designation	Connection point	Terminal	Jumper	Target designation	Connection point			
1	+UCP-LCP_COMB									
2	26x1 mm²									
1	+UCP-B-X5		1	1	.	-2S4	3			
2	+UCP-B-X5		2	2	.	-2S4	4			
3	+UCP-B-X5		3	3	.	-2S6	1			
4	+UCP-B-X5		4	4	.	-2S6	2			
5	+UCP-B-X5		5	5	.	-2S8	3			
6	+UCP-B-X5		6	6	.	-2S8	4			
7	+UCP-B-X5		7	7	.	-2S10	3			
8	+UCP-B-X5		8	8	.	-2S10	4			
9	+UCP-B-X5		9	9	.	-2S10	13			
10	+UCP-B-X5		10	10	.	-2S10	14			
11	+UCP-B-X5		11	11	.					
12	+UCP-B-X5		12	12	.					
13	+UCP-B-X5		13	13	.					
14	+UCP-B-X5		14	14	.					
15	+UCP-B-X5		15	15	.	-3H4	x1			
16	+UCP-B-X5		16	16	.	-3H4	x2			
17	+UCP-B-X5		17	17	.	-3H6	x1			
18	+UCP-B-X5		18	18	.	-3H6	x2			
19	+UCP-B-X5		19	19	.	-3H8	x1			
20	+UCP-B-X5		20	20	.	-3H8	x2			
21	+UCP-B-X5		21	21	.	-3H10	x1			
22	+UCP-B-X5		22	22	.	-3H10	x2			
23	+UCP-B-X5		23	23	.					
24	+UCP-B-X5		24	24	.					
25	+UCP-B-X5		25	25	.					
26	+UCP-B-X5		26	26	.					



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
 EQUIPMENT LOCATION Iran, Onshore
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SUBJECT Terminal diagram =COMB+LCP_B-X5
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
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 + LCP_B
 CURRENT PAGE

Terminal diagram

Cable name		Connection point		Terminal	Jumper	Target designation	Connection point		Terminal	Jumper	Target designation
Strip =COMB+LCP_B-X9 CONNECTION ESD BUTTON		1		1	.	-4\$3	1		1	.	+UCP-B-X9
		2		3	.	-4\$3	3		3	.	+UCP-B-X9
+UCP-ESD_LCP_B		4x1 mm²		1			1				
				3			3				



CLIENT DWG NO.	N/A
EQUIPMENT NO.	20-C-1002, 20-C-7080
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Terminal diagram =COMB+LCP_B-X9	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-COM

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TOTAL PAGE AMOUNT	105	

Terminal diagram

Cable name		Connection point		Terminal		Jumper		Target designation		
Strip =COMB+LCP_B-X10 CONNECTION AMPEREMETER FROM MCC		x1		1	.	-5V4				
		x2		2	.	-5V4				
-AMP_METER_B		2x1 mm²		1	2					



CLIENT DWG NO. N/A
 EQUIPMENT NO. 20-C-1002, 20-C-7080
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SUBJECT Terminal diagram =COMB+LCP_B-X10
 ADAPTED TO P&ID REVISION 01
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-COM

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 AIRPACK DWG NO. 17811-05
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