







OWNER:  شرکت سست و سویی گسترده ایرانیان (سهامی منتهی)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	UCP/LCP/JB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER						 Netherlands		
MC :  شرکت سست و سویی گسترده ایرانیان (سهامی منتهی)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-05A	BU	20	VD	303	IN	DIG	0043	Rev.:	Page
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UCP/LCP/JB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER

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	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

OWNER:  شرکت سست و سبى تورمد ايرانيان (مساهلى خاص)

MC :  شرکت سست و سبى تورمد ايرانيان (مساهلى خاص)

**BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT**

**UCP/LCP/JB WIRING DIAGRAM FOR
NITROGEN GAS BOOSTER**

EPC CONTRACTOR: 

Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
BU	20	VD	303	IN	DIG	0043	Rev.: Page 04 2 of 111
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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 : 29-6-2022

Last modifications by : MaGo

Revision no. : 04



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	DRAWN BY	MaGo	=
EQUIPMENT NO.	20-C-1002	Title page / cover sheet	CHECKED BY	RBE	+
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	CLIENT	04	AIRPACK DWG NO.	17811-05	
	CLIENT REF.	Bushehr Petrochemical Company (BUPC)	REVISION	04	
	AIRPACK REF.	Bushehr MEG Plant Project	TOTAL PAGE AMOUNT	1	

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 9006) GREY
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



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EQUIPMENT NO.	20-C-1002
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Project description		CHECKED BY		RBE		+	
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE		29-6-2022		CURRENT PAGE	
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

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=20-C-1002+PD-C-1002-01/2	POWER SUPPLY	100	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/3	MAIN MOTOR	101	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/4	OIL HEATER	102	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/5	SIGNALS FROM UCP	103	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/6	SIGNALS TO UCP	104	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/7	Terminal diagram =20-C-1002+PD-C-1002-01-X0	105	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/8	Terminal diagram =20-C-1002+PD-C-1002-01-X1	106	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/9	Terminal diagram =20-C-1002+PD-C-1002-01-X2	107	29-6-2022	MaGo
=20-C-1002+PD-C-1002-01/10	Terminal diagram =20-C-1002+PD-C-1002-01-X8	108	29-6-2022	mgoeman
=20-C-1002+PD-C-1002-01/11	Terminal diagram =20-C-1002+PD-C-1002-01-X10	109	29-6-2022	mgoeman



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	Table of contents : =20-C-1002+PD-C-1002-01/2 - =20-C-1002+PD-C-1002-01/11		DRAWN BY	MaGo	=
EQUIPMENT NO.	20-C-1002	ADAPTED TO P&ID REVISION	04	CHECKED BY	RBE	+	
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Bushehr Petrochemical Company (BUPC)	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE	
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT REF.	Bushehr MEG Plant Project	AIRPACK DWG NO.	17811-05		
		AIRPACK REF.	17811-05A	REVISION	04		
		TOTAL PAGE AMOUNT	6				

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
+UCP-C1002-01-2TH11		SET@10°C	
+UCP-C1002-01-2TH13		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	
Device tag list : =+UCP-C1002-01-2TH11 - =+UCP-C1002-01-2TH13	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
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 6A C Char MCB	
=20-C-1002+UCP-C1002-01-2F11		230VAC 2A C Char MCB	
=20-C-1002+UCP-C1002-01-2F15		110VAC 10A C Char	
=20-C-1002+UCP-C1002-01-2F15.1		24VDC 10A MCB	
=20-C-1002+UCP-C1002-01-2F17		110VAC 10A C Char	
=20-C-1002+UCP-C1002-01-2F17.1		24VDC 10A MCB	
=20-C-1002+UCP-C1002-01-5F2		24VDC 6A	
=20-C-1002+UCP-C1002-01-5F11		24VDC 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 24Vdc	
=20-C-1002+UCP-C1002-01-25H6	COMPRESSOR A RUNNING XL-10157	GREEN 24Vdc	
=20-C-1002+UCP-C1002-01-25H8	COMPRESSOR A COMMON ALARM XL-10158	AMBER 24Vdc	
=20-C-1002+UCP-C1002-01-25H10	COMPRESSOR A COMMON TRIP XL-10159	RED 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	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	9

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+
CURRENT PAGE

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 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	
Device tag list : =20-C-1002+UCP-C1002-01-7M15 - =20-C-1002+UCP-C1002-01-9U14	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	10

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CURRENT PAGE

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 24VDC 10A	
=20-C-1002+UCP-C1002-01-2V17		110VAC 24VDC 10A	
=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 MCB C Char	
=20-C-1002+PD-C-1002-01-2F17.1		6A MCB C Char	

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+PD-C-1002-01-3F3		400VAC 100A MCB C Char	
=20-C-1002+PD-C-1002-01-4F4		230VAC 5A C Char MCB	
=20-C-1002+PD-C-1002-01-4F15		2A, 24Vdc 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 SET @ 1A 0,35-1.4A	
=20-C-1002+PD-C-1002-01-3U2		MCCB SET @ 90A 65-115A 45KW	
=20-C-1002+PD-C-1002-01-3U2.1		contactor 115 A AC-3 3P	

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+PD-C-1002-01-4U4		SSR ON/OFF control 12 VDC - 21mA AC 7-264V 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 24VDC 5A	
=20-C-1002+PD-C-1002-01-3V2	AMP. METER (6In) AM-10151	0-200 A	

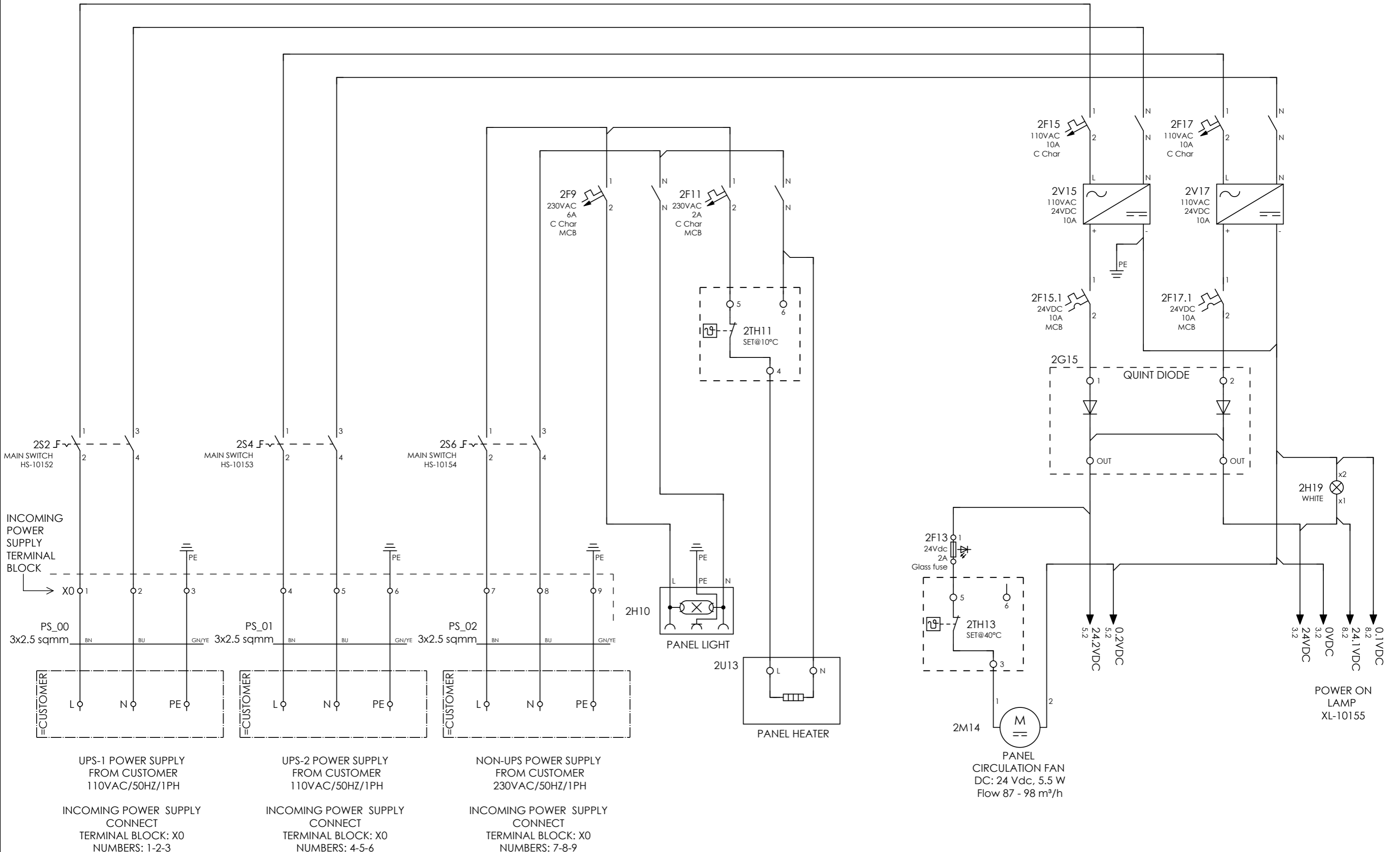
TERMINAL STRIP DEFINITION

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



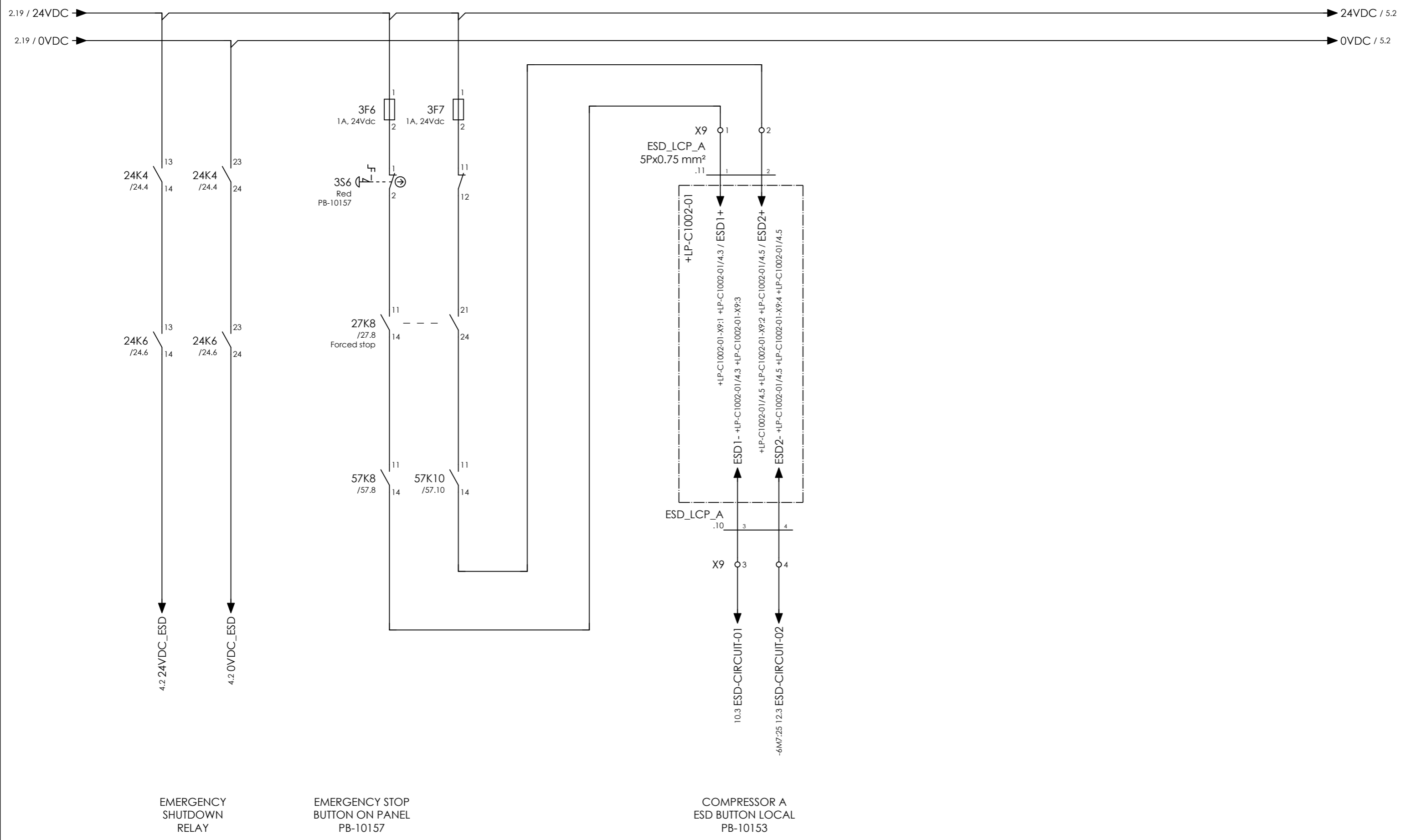
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	TERMINAL STRIP DEFINITION		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
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		CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	13	



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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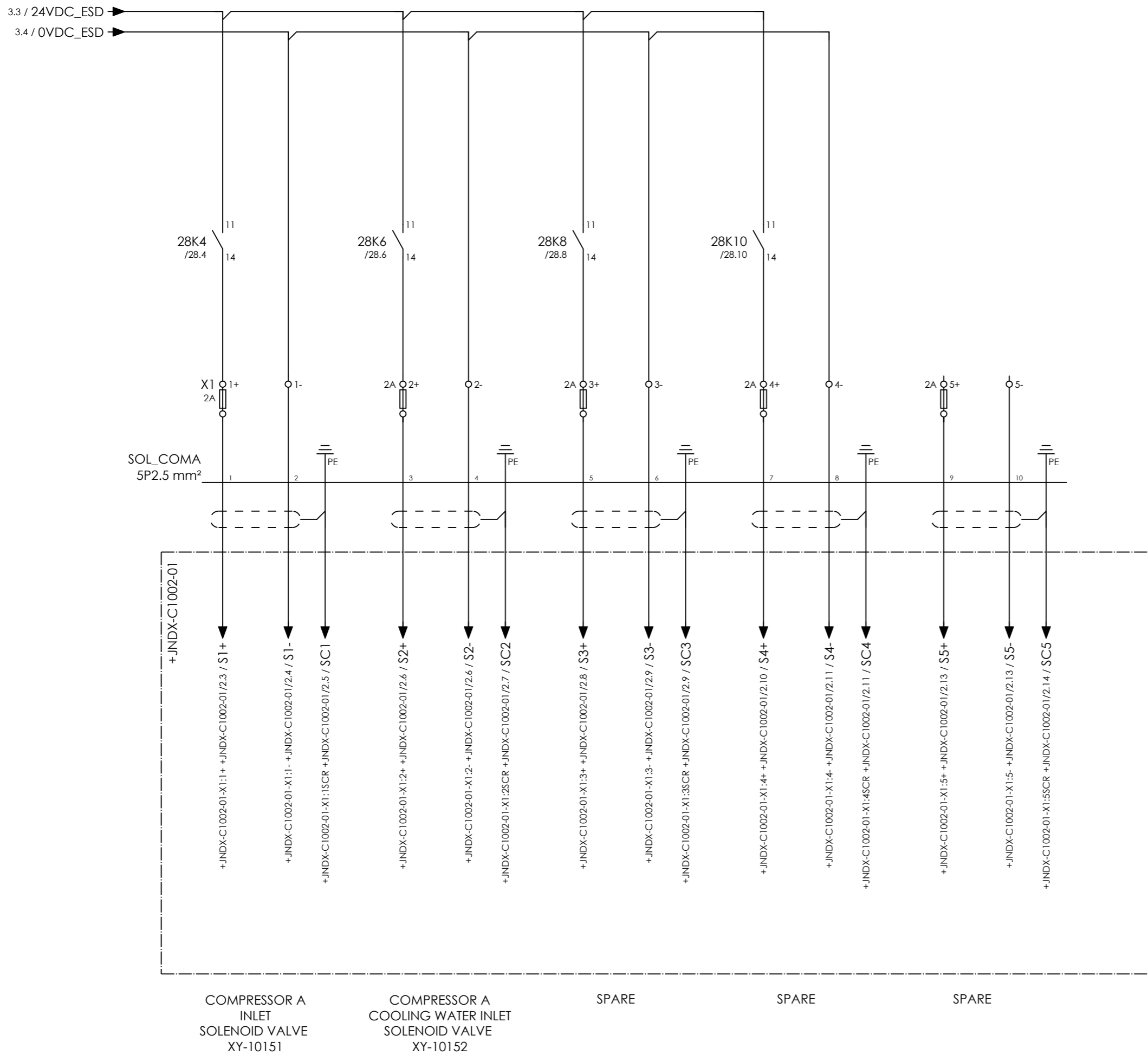
SUBJECT POWER SUPPLY	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ UCP-C1002-01
LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	14	



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	EMERGENCY SHUTDOWN
EQUIPMENT NO.	20-C-1002	ADAPTED TO P&ID REVISION	04
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.	CLIENT REF.	Bushehr MEG Plant Project
	AIRPACK REF.	AIRPACK REF.	17811-05A

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ UCP-C1002-01
LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	15	



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

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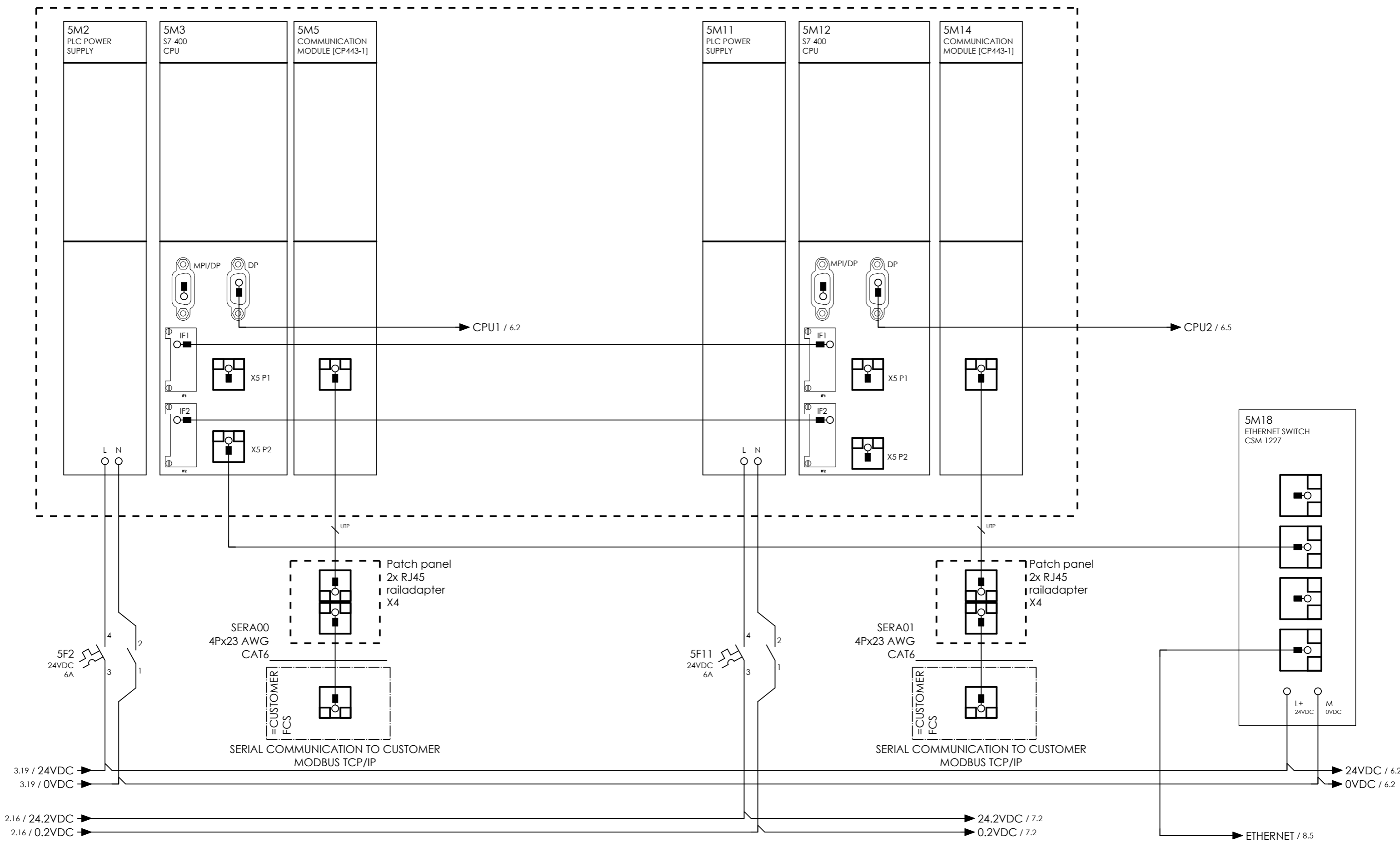
SUBJECT SOLENOIDS	
ADAPTED TO P&ID REVISION	04

CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022

AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	16

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+ UCP-C1002-01
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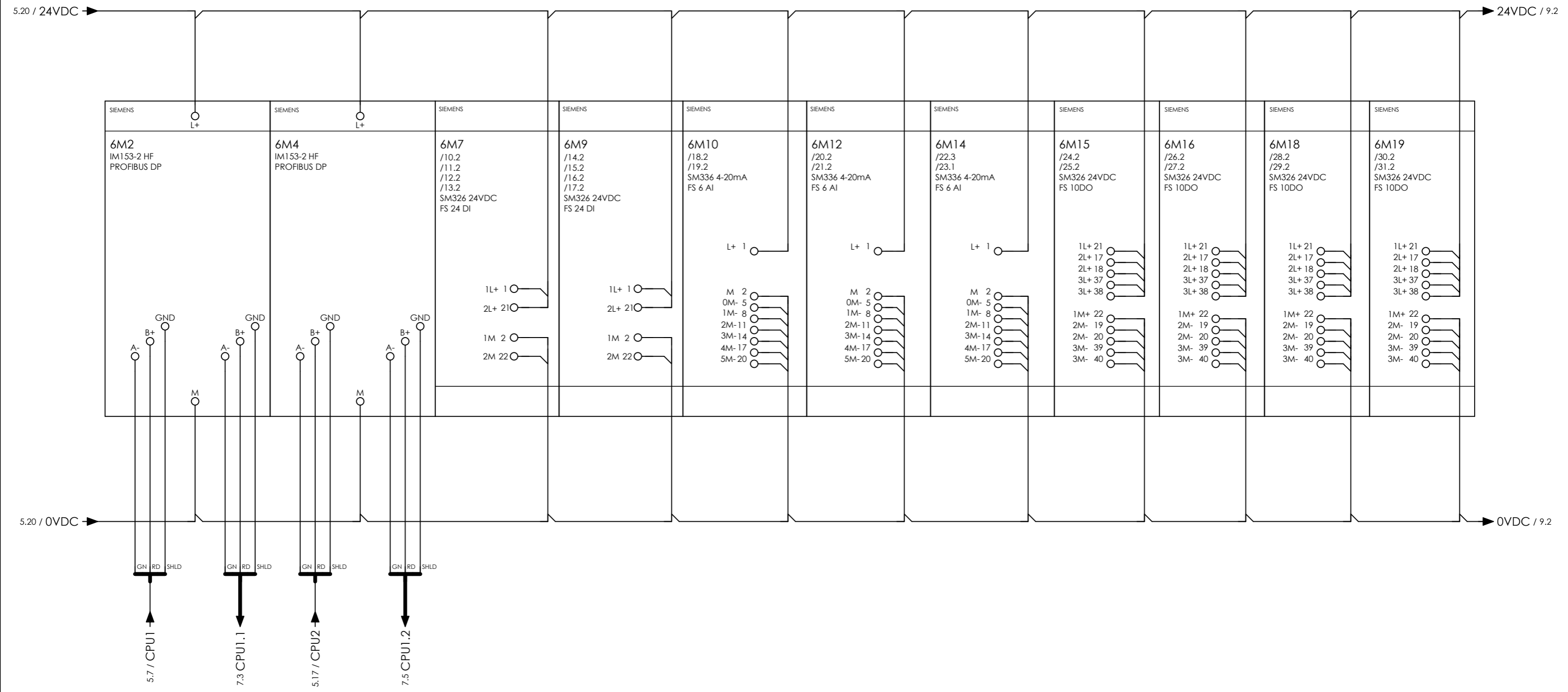


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT PLC LAYOUT	
ADAPTED TO P&ID REVISION	04
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	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
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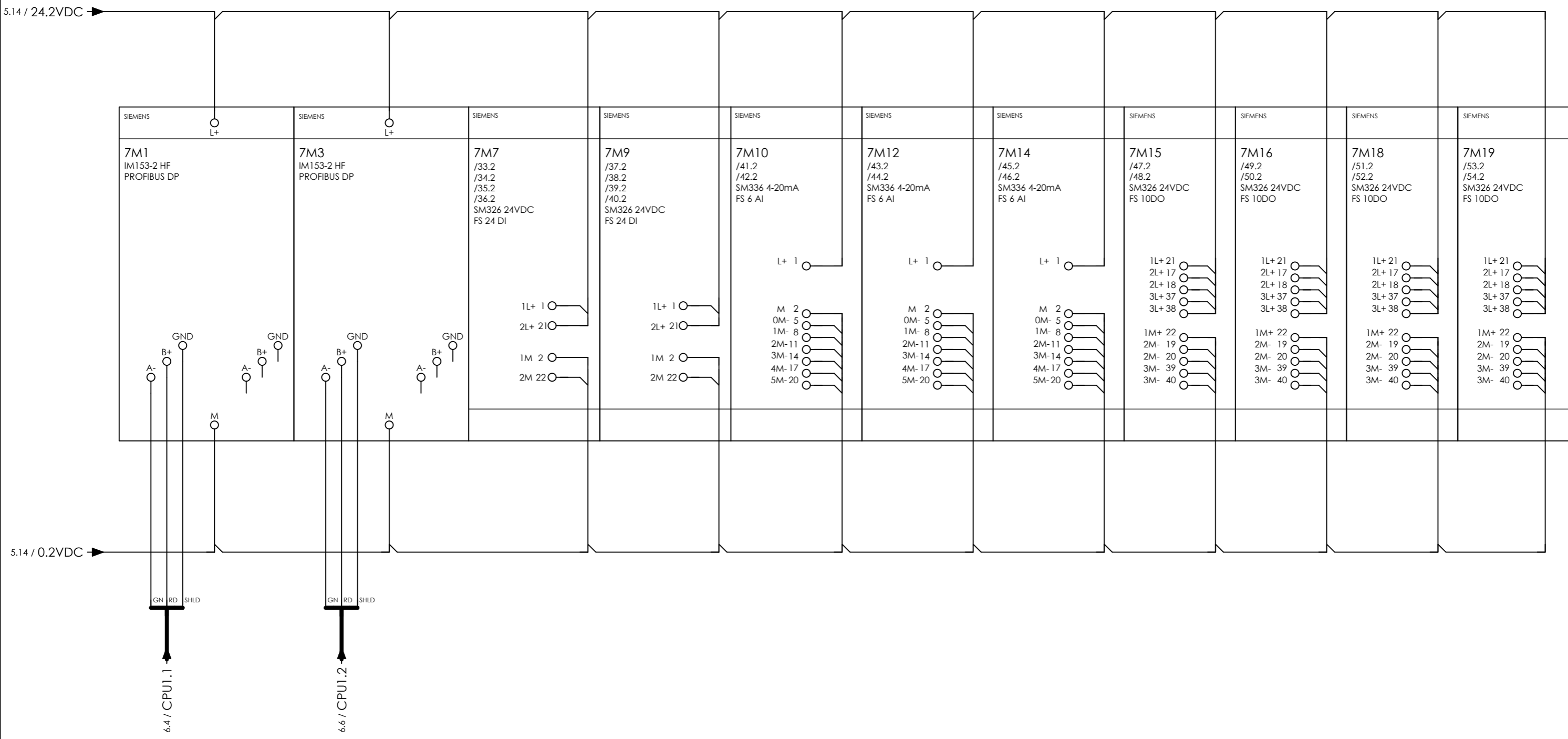
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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT IO RACK I	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	18

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CURRENT PAGE

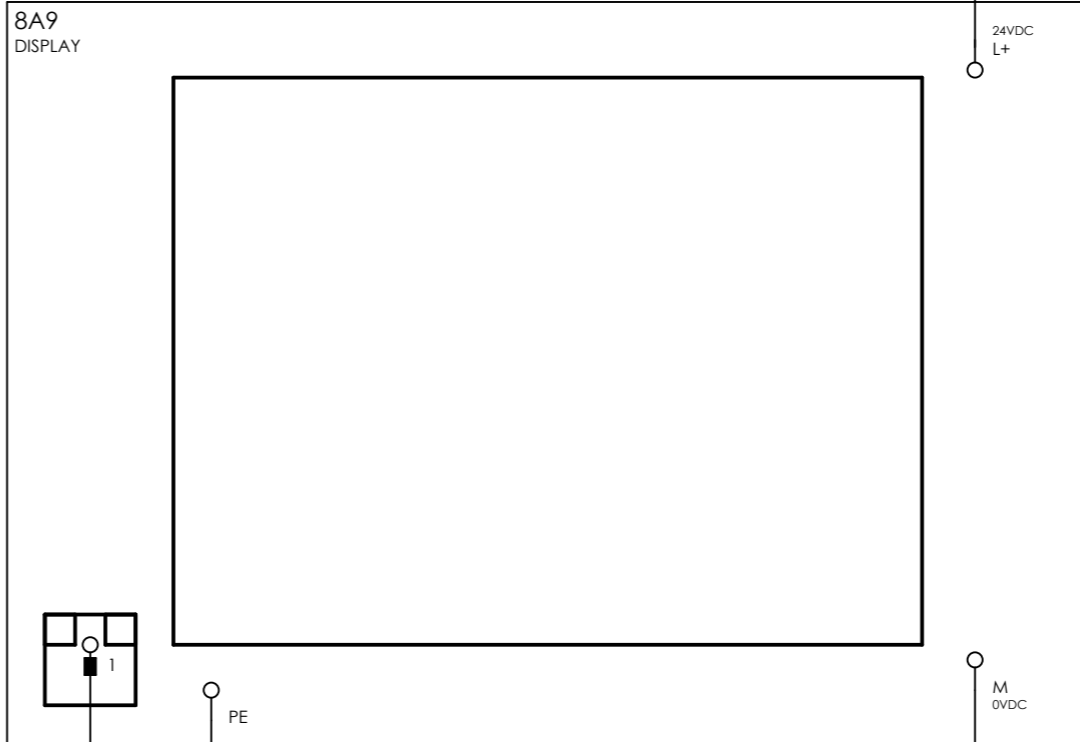
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	IO RACK II		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	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	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	19	

2.20 / 24.1VDC → 24.1VDC / 11.2

DISPLAY MOUNTED ON PANEL DOOR



5.18 / ETHERNET →

UTP

2.20 / 0.1VDC →

0.1VDC / 24.2



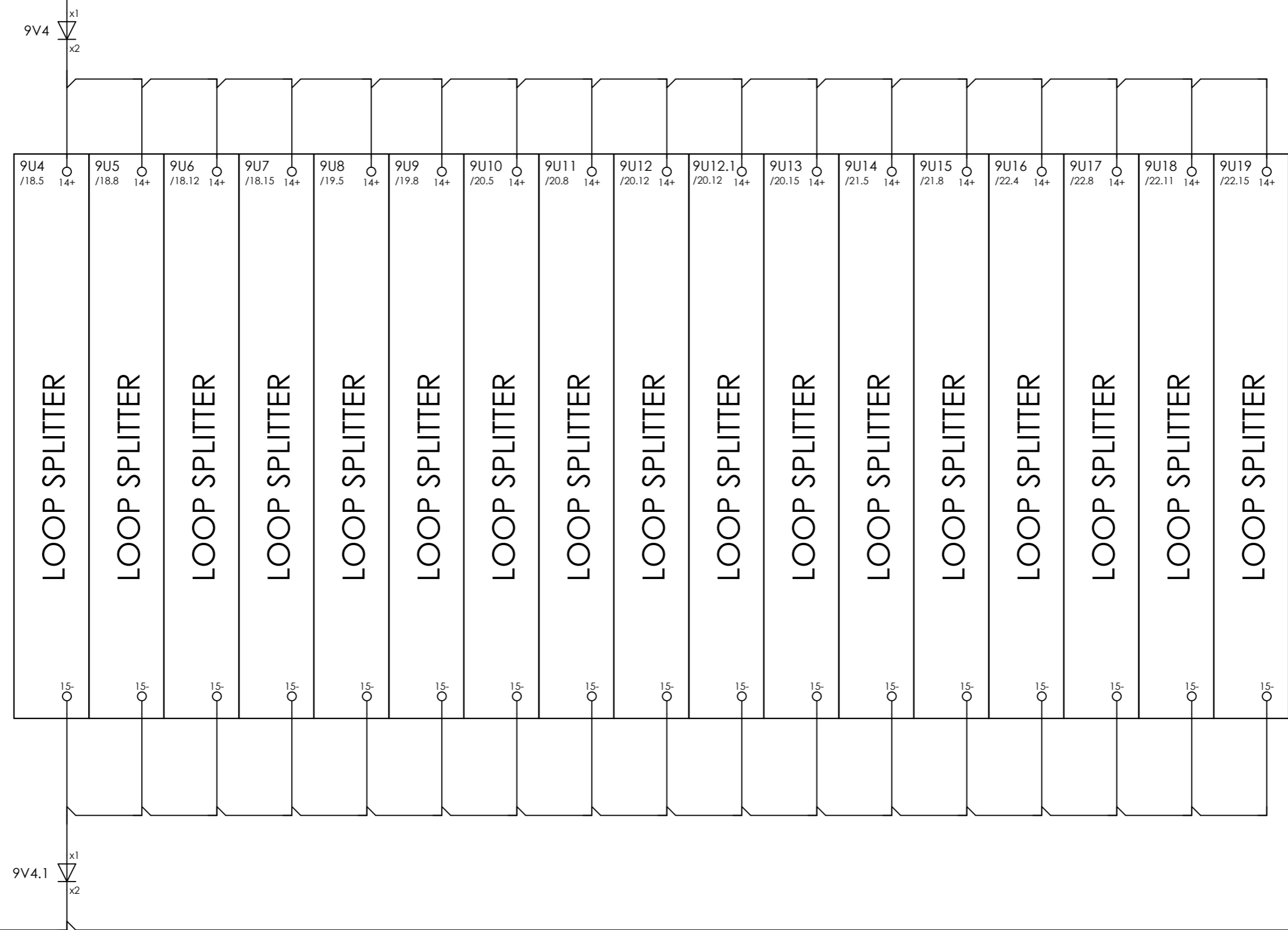
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DISPLAY	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	20

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

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

SUBJECT	
LOOP SPLITTERS	
ADAPTED TO P&ID REVISION	04

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022

= 20-C-1002
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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)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	21

3.11
ESD-CIRCUIT-01

D10.0
33.4



ESD CIRCUIT 1

SPARE

SPARE

SPARE

SPARE

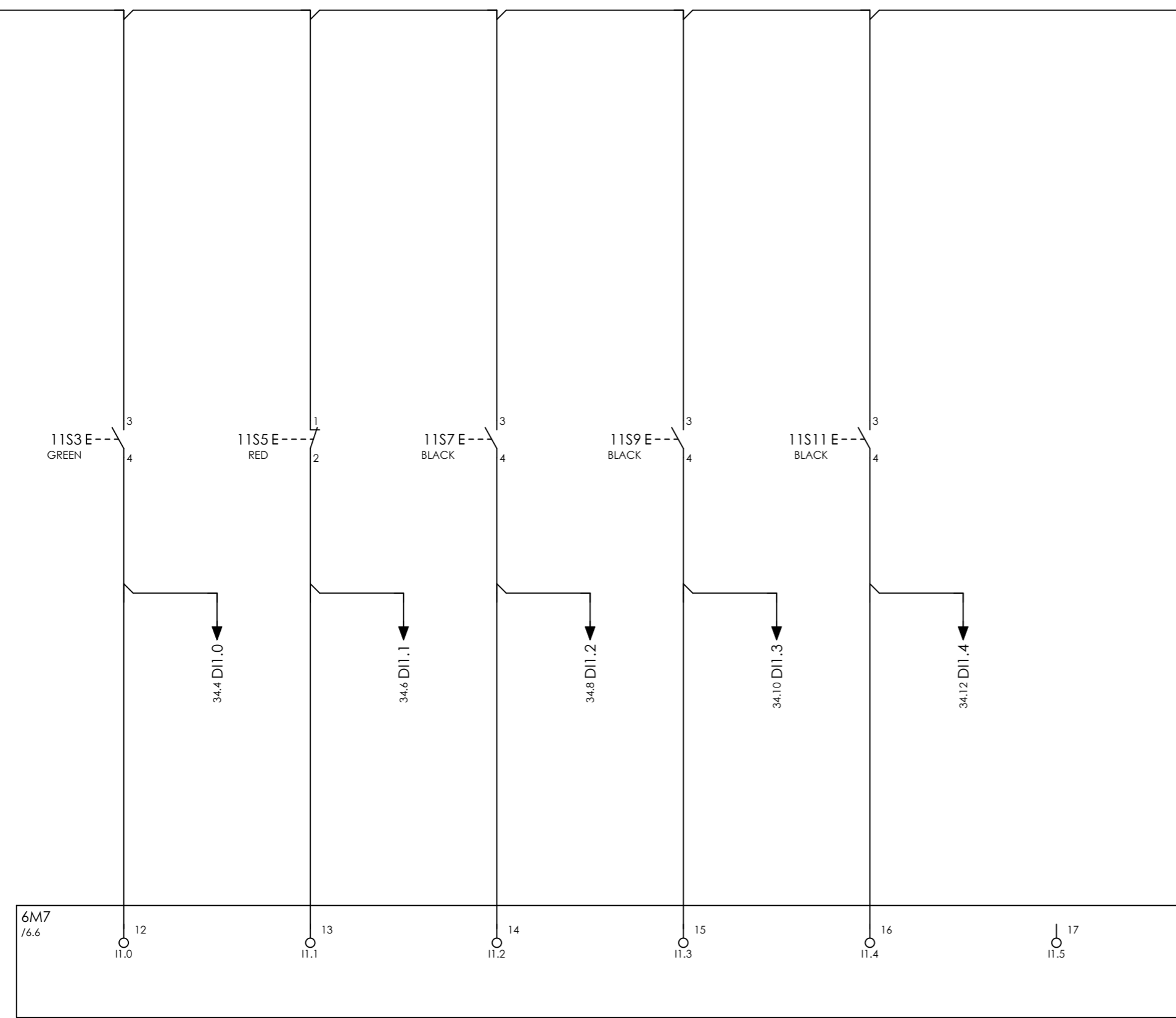
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CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL INPUTS I [6M7]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
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	04	LAST MODIFICATION DATE	29-6-2022	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	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	23	

3.11
ESD-CIRCUIT-02

DI2.0
35.4



ESD CIRCUIT 2

SPARE

SPARE

SPARE

SPARE

SPARE



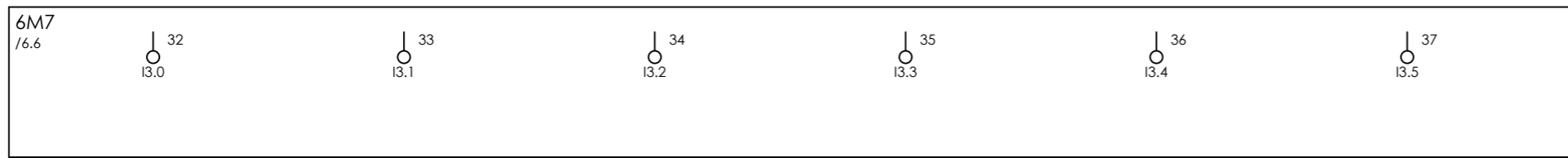
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS I [6M7]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	24

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11.19 / 24.1VDC → 24.1VDC /



SPARE SPARE SPARE SPARE SPARE SPARE

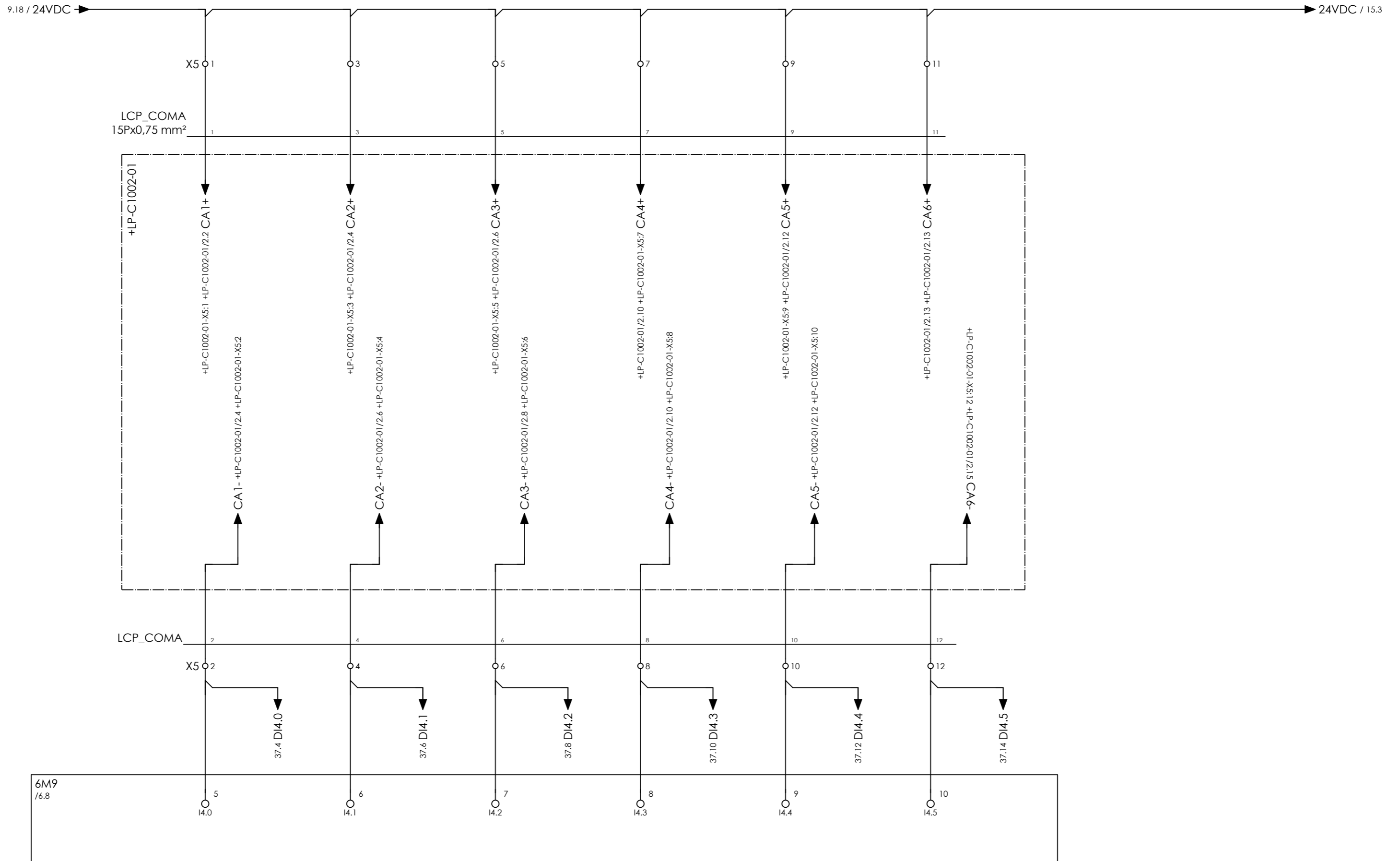


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS I [6M7]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	25

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+ UCP-C1002-01
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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

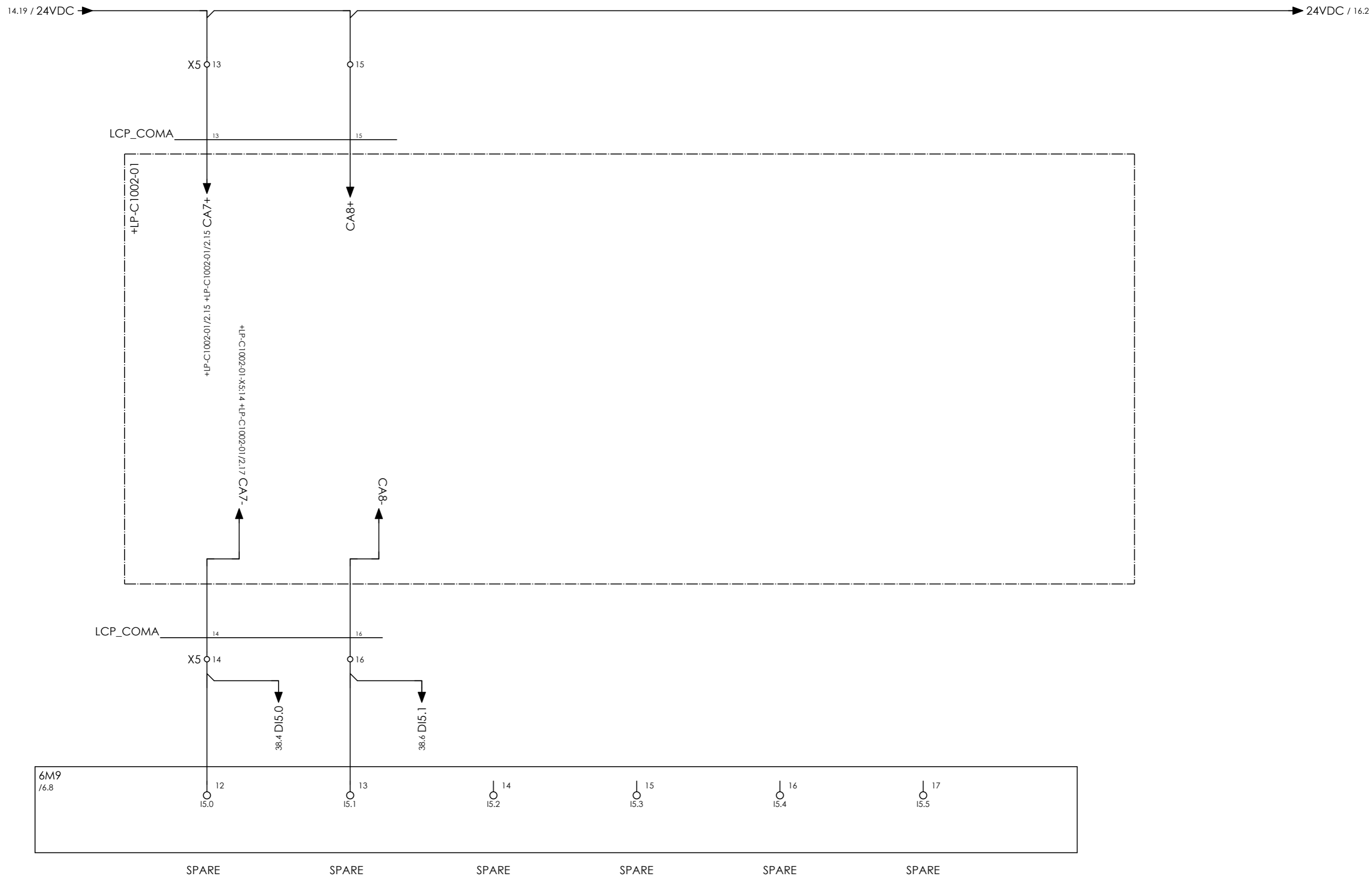


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS I [6M9]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	26

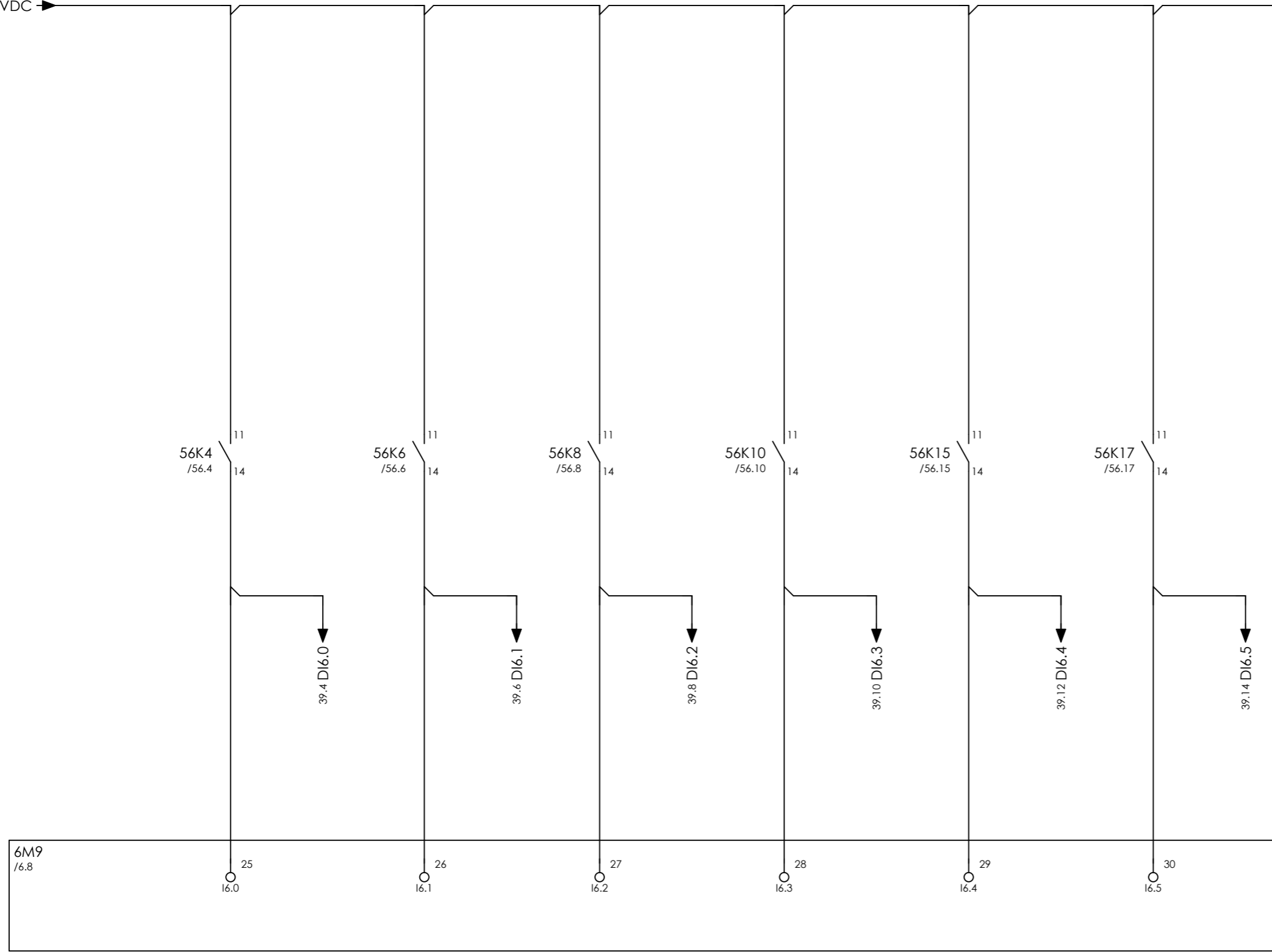
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CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL INPUTS I [6M9]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	27	

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

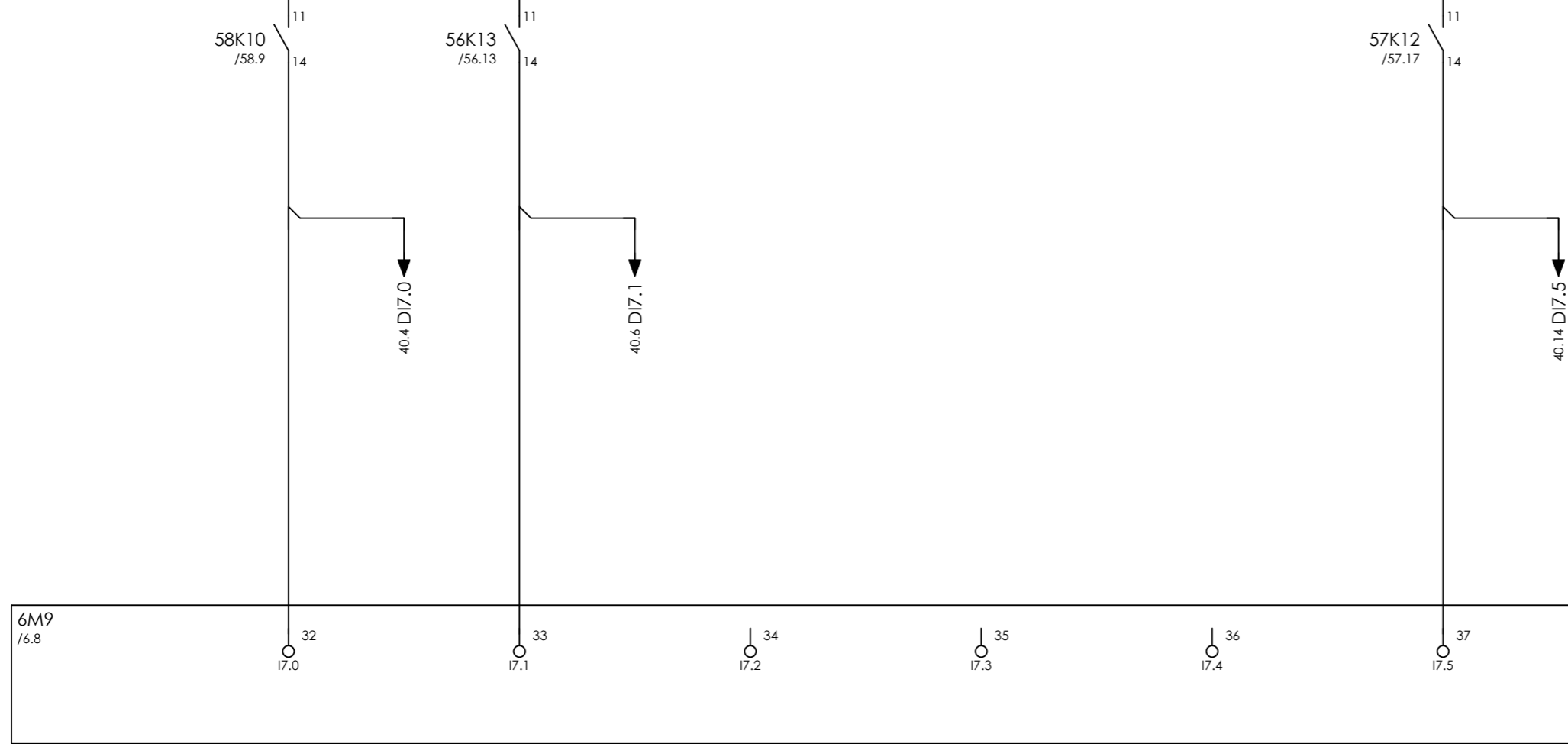
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CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL INPUTS I [6M9]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	28	



PID CONTROL
VALVE FAULT
YAL-10129-PID

OIL HEATER PID
LG-10151 FAULT
YAL-10130-PID

SPARE

SPARE

SPARE

TIME
SYNCHRONIZATION
XCS-108

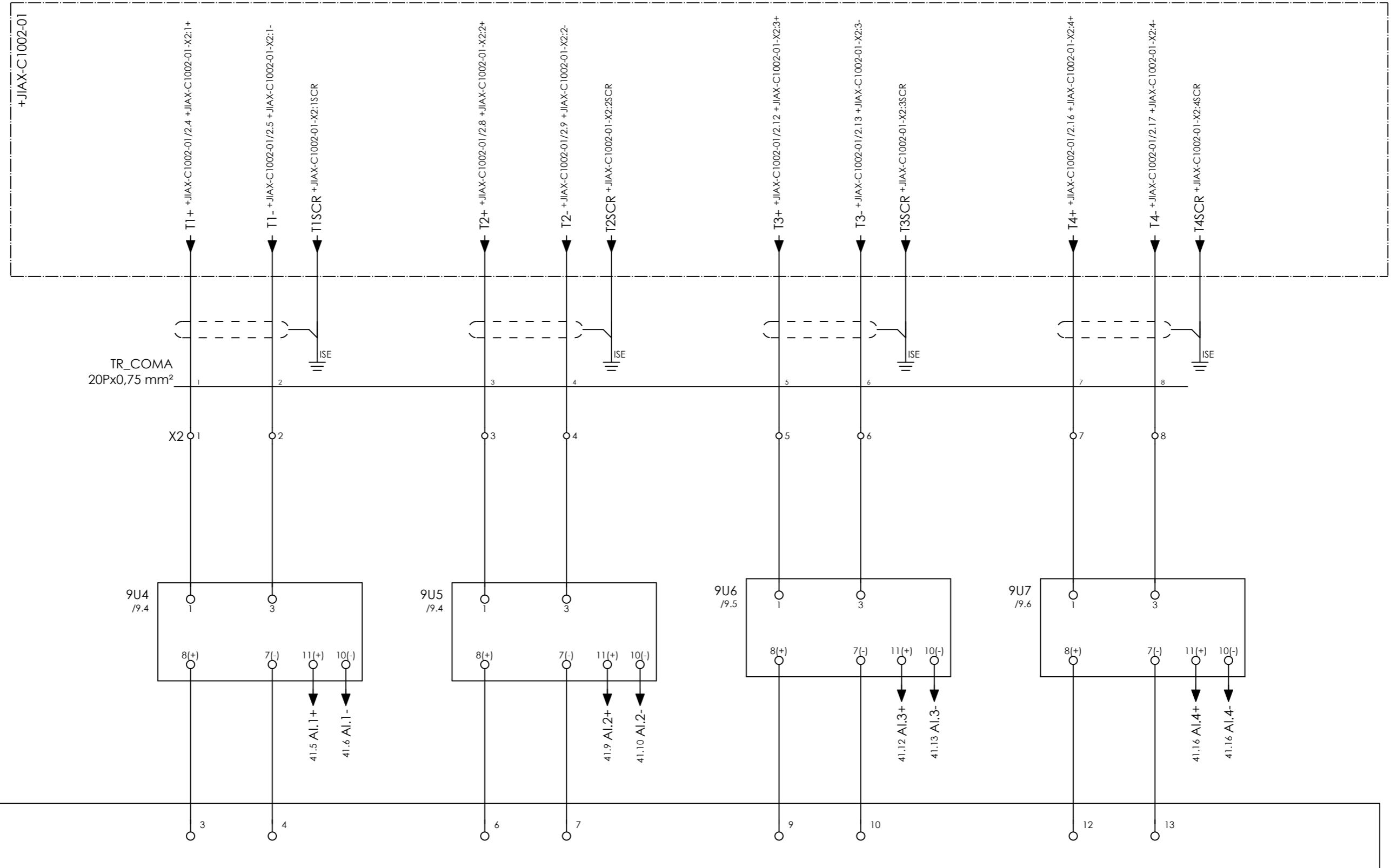


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS I [6M9]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
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REVISION	04
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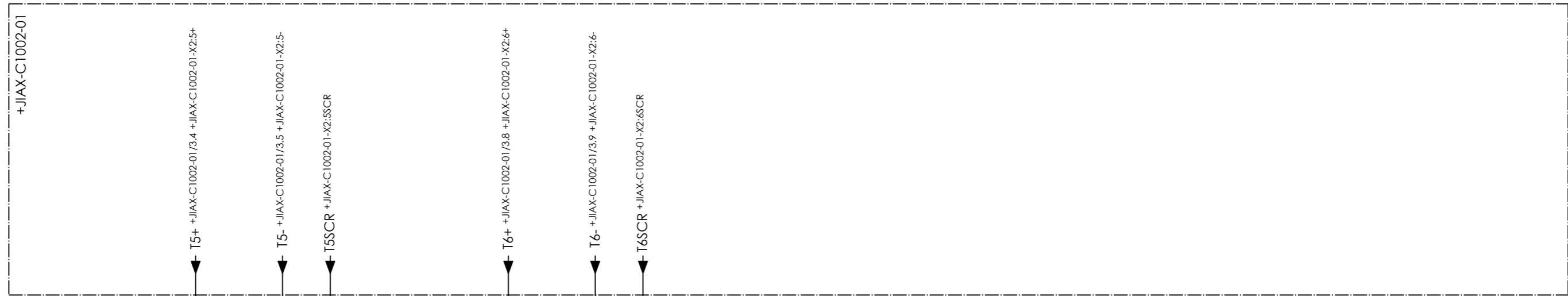


COMPRESSOR A
INLET PRESSURE
PIT-10153

COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-10154

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10157

COMPRESSOR A
INLET TEMPERATURE
TIT-10151



TR_COMA
/18.5

9U8
/9.7

9U9
/9.8

6M10
/6.9

COMPRESSOR A
1ST STAGE TEMPERATURE
TIT-10152

COMPRESSOR A
COOLING WATER OUTLET FLOW
FIT-10151

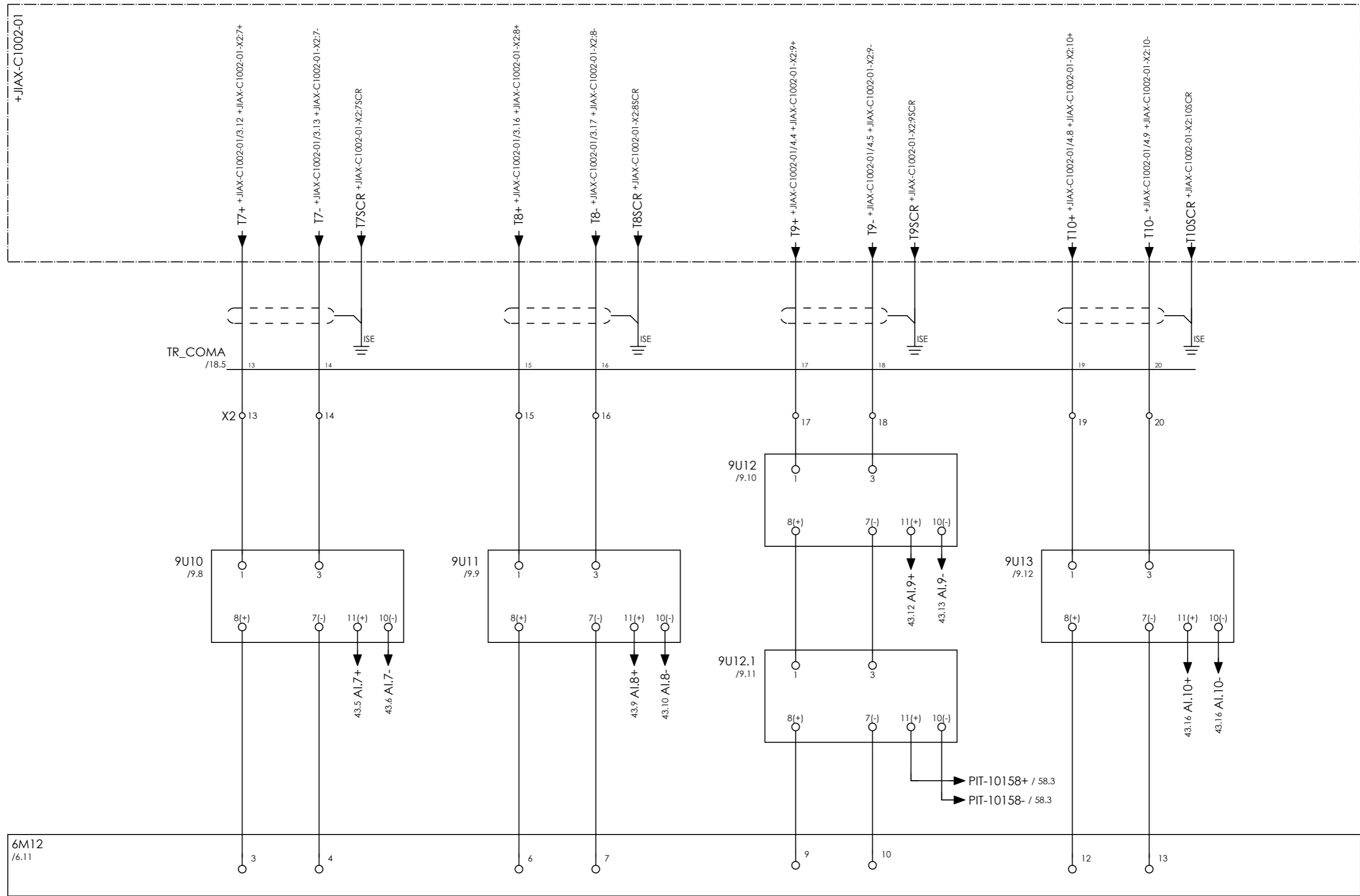


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EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS I [6M10]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	31

= 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

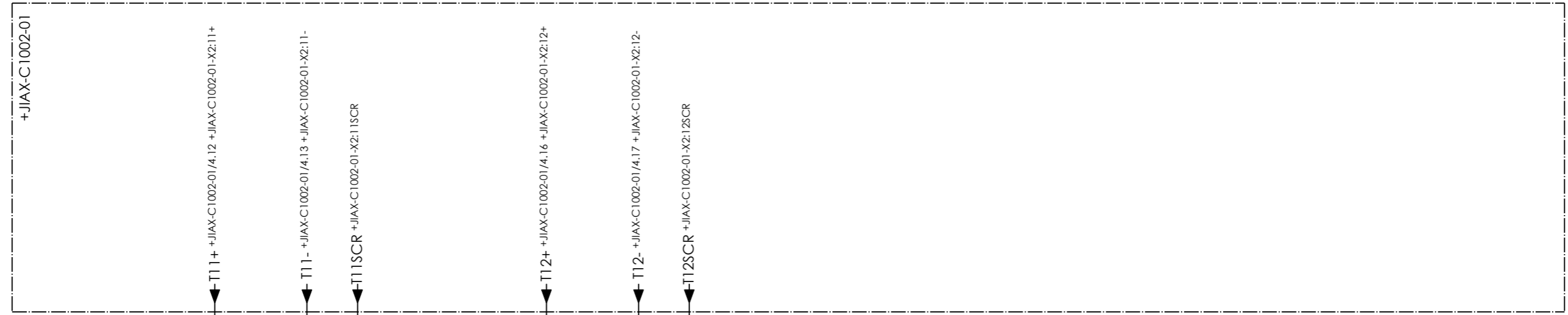


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS I [6M12]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	32

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+ UCP-C1002-01
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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

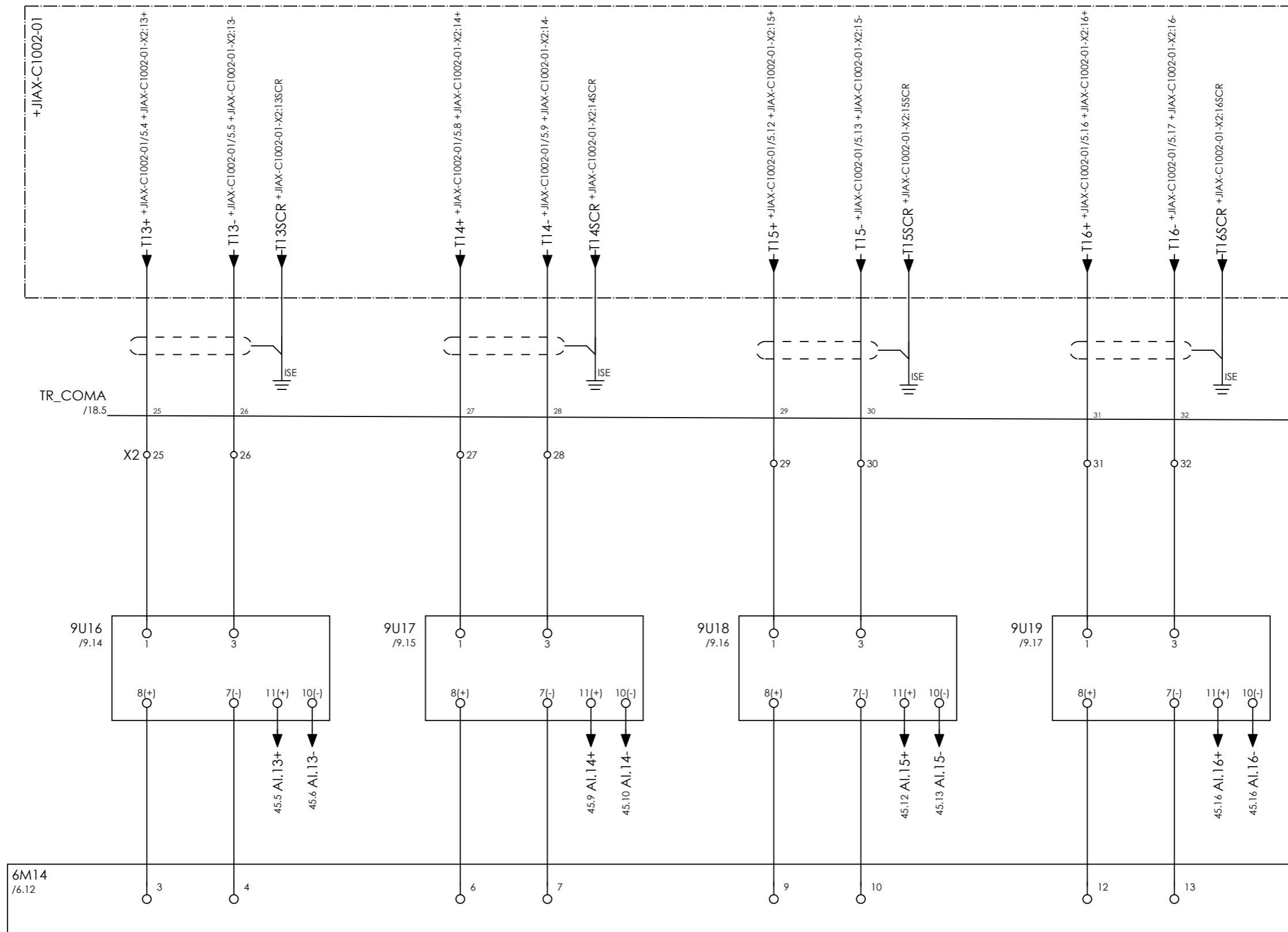


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS I [6M12]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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LAST MODIFICATION DATE	29-6-2022
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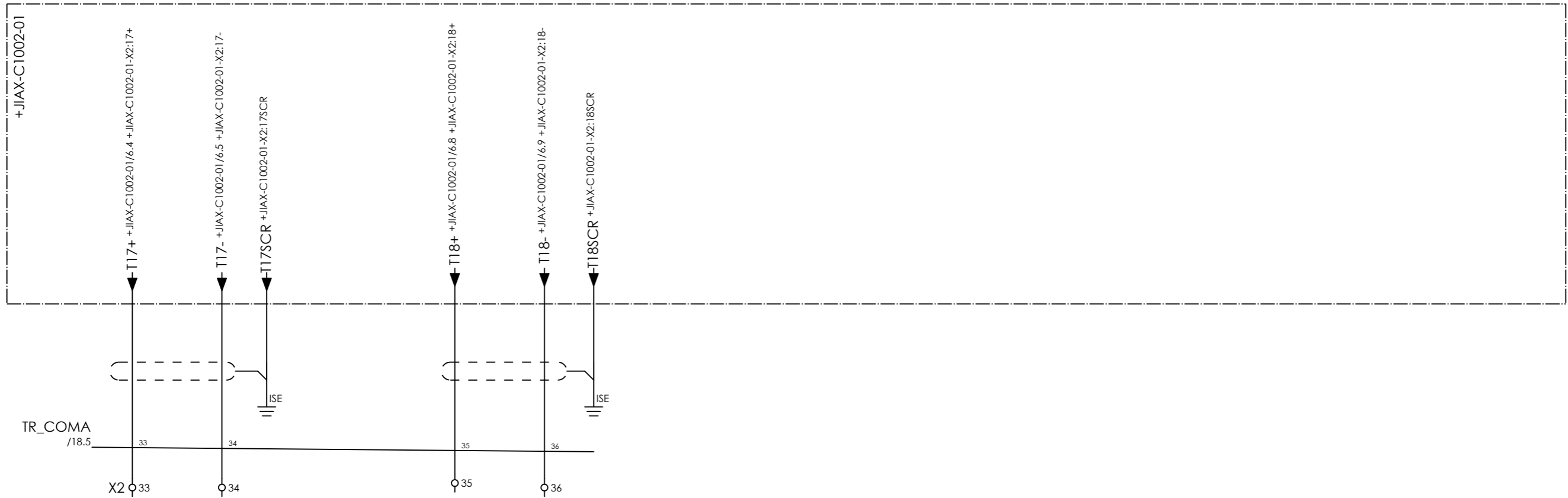


COMPRESSOR A
2ND UPSTREAM INTERCOOLER
TEMPERATURE
TIT-10155

SPARE

SPARE

SPARE

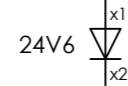
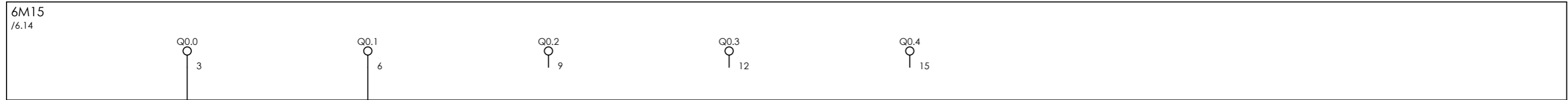


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY		MaGo	
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ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE		29-6-2022	
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.		17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION		04	
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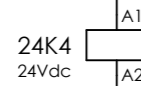
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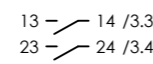
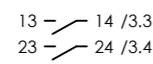
DOO.0 47.4

DOO.1 47.6



8.19 / 0.1VDC

0.1VDC / 25.2-25H4:x2



ESD RELAY 01

ESD RELAY 02

SPARE

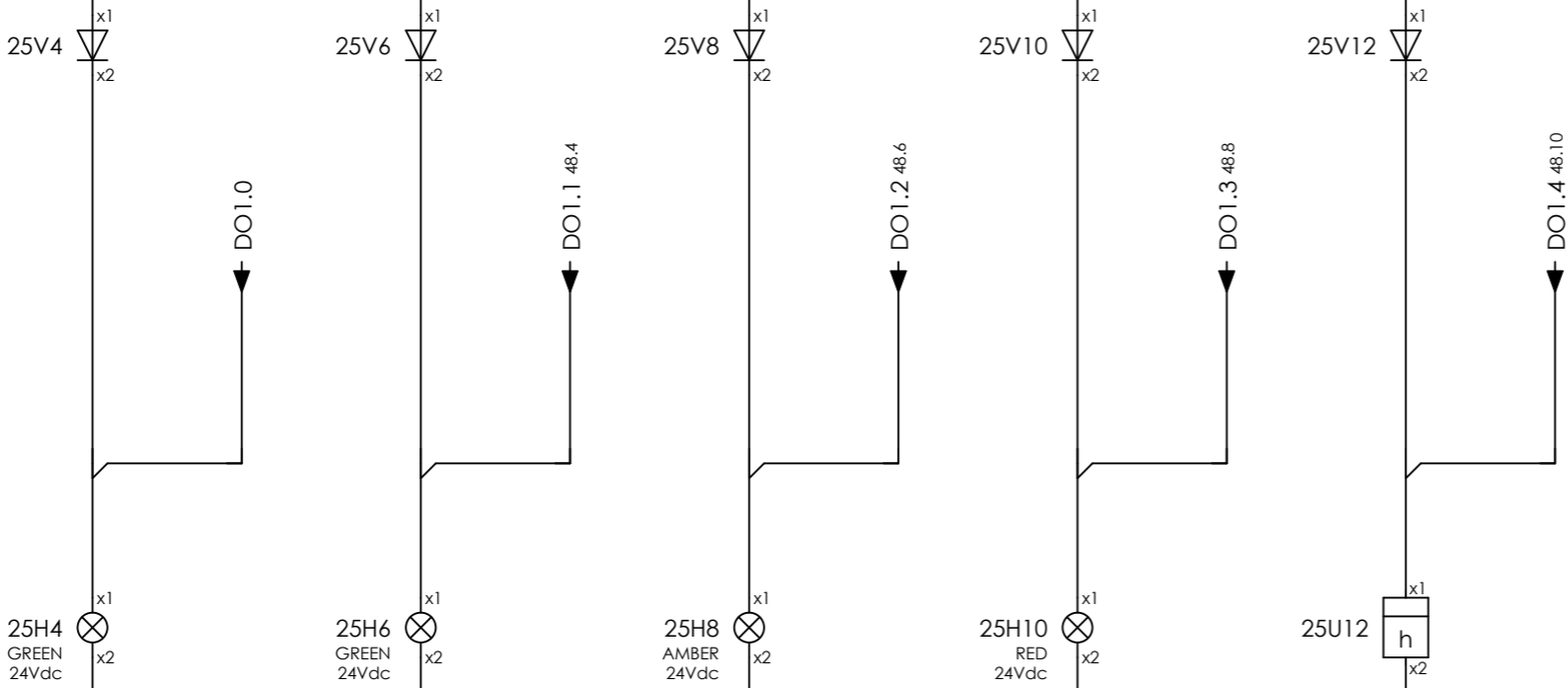
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SPARE



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL OUTPUTS I [6M15]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	36	



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

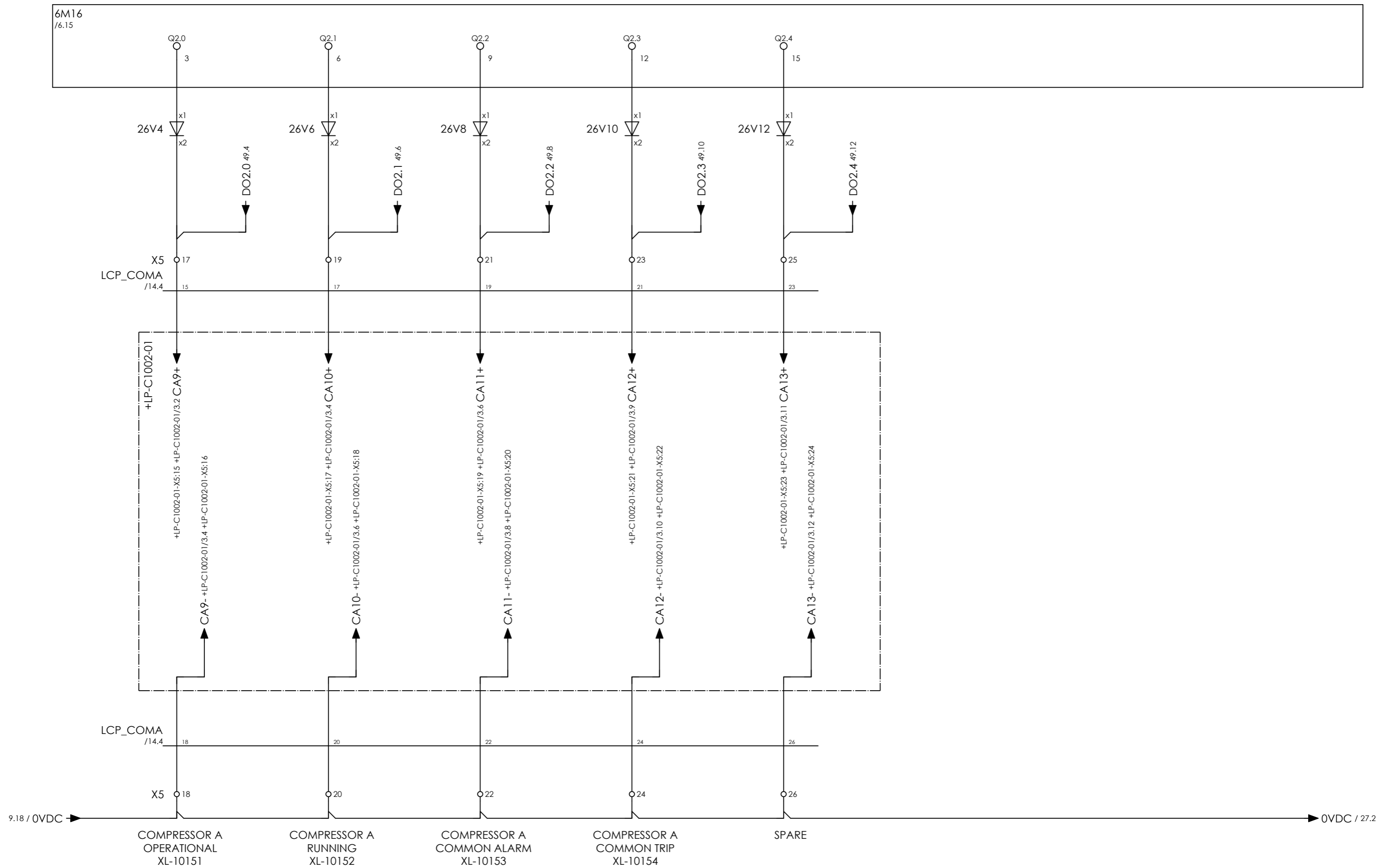


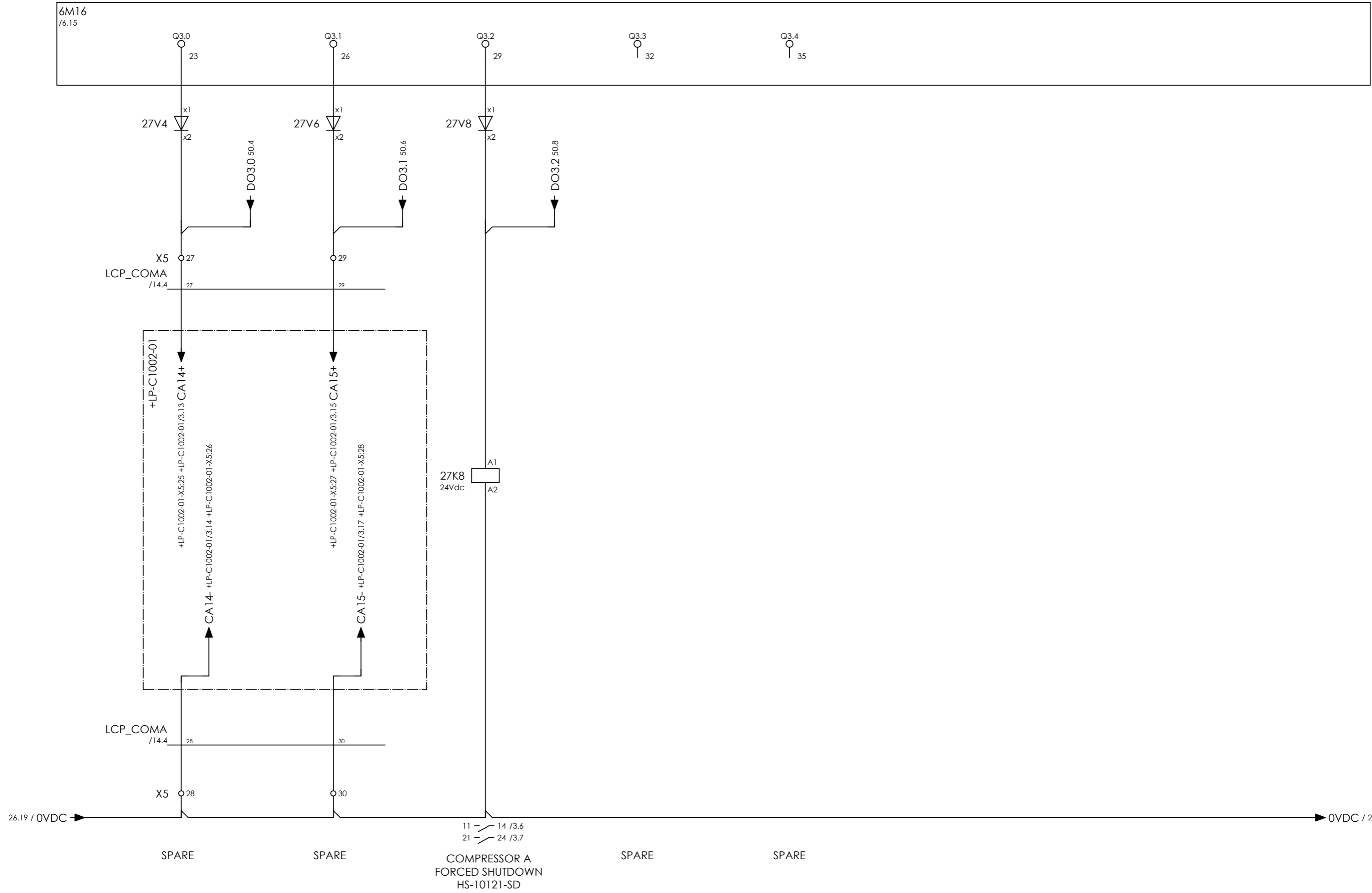
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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DIGITAL OUTPUTS I [6M15]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
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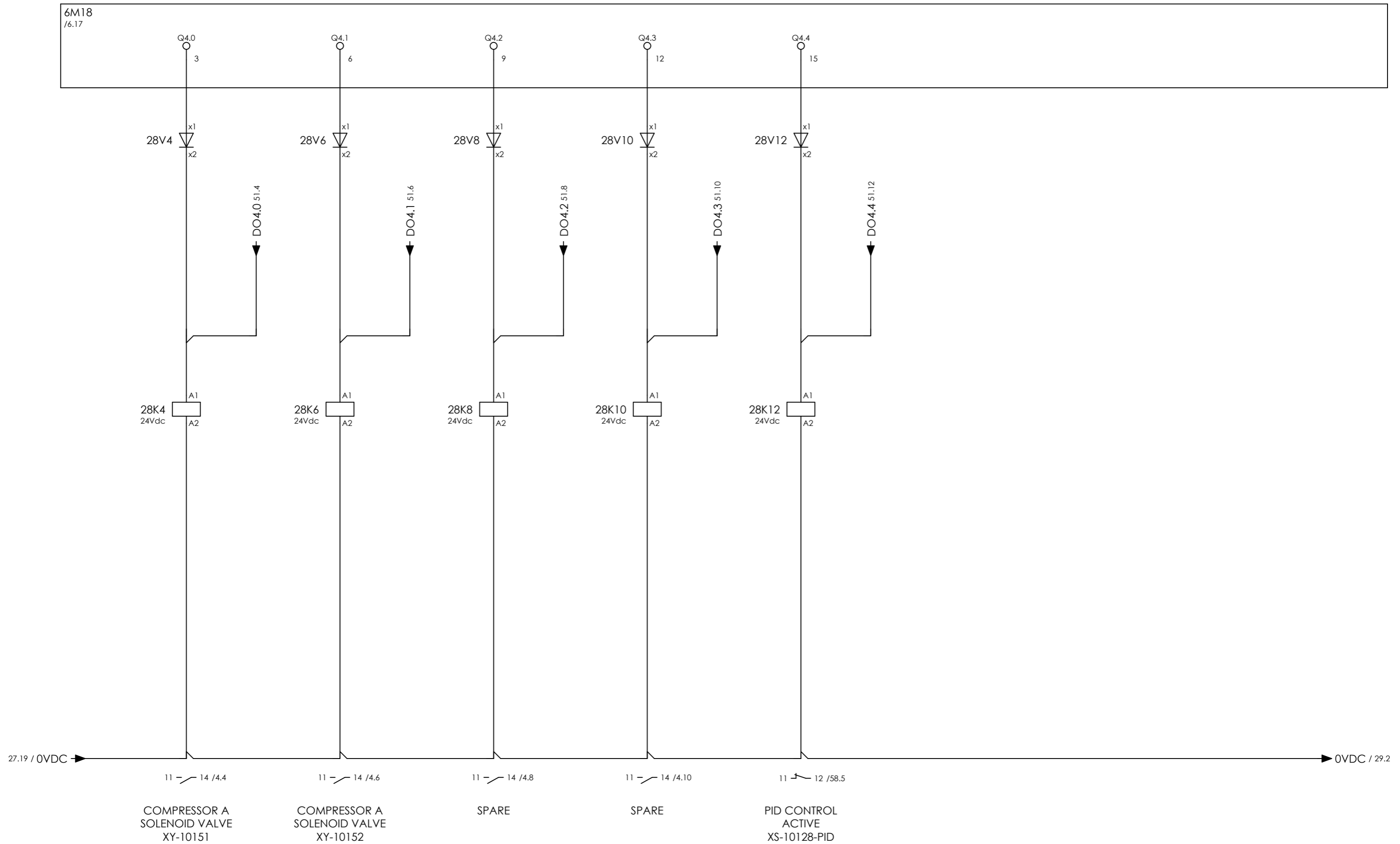
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CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL OUTPUTS I [6M16]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	39	

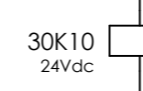
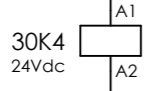
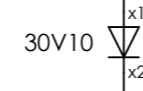
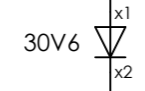
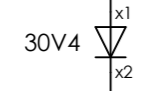


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT	
DIGITAL OUTPUTS I [6M18]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	40

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DO6.0 53.4

DO6.1 53.6

DO6.3 53.10

29.19 / 0VDC

0VDC / 31.2

11 - 14 / 55.3

11 - 14 / 55.5

11 - 14 / 57.3

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
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SUBJECT DIGITAL OUTPUTS I [6M19]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	42

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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	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

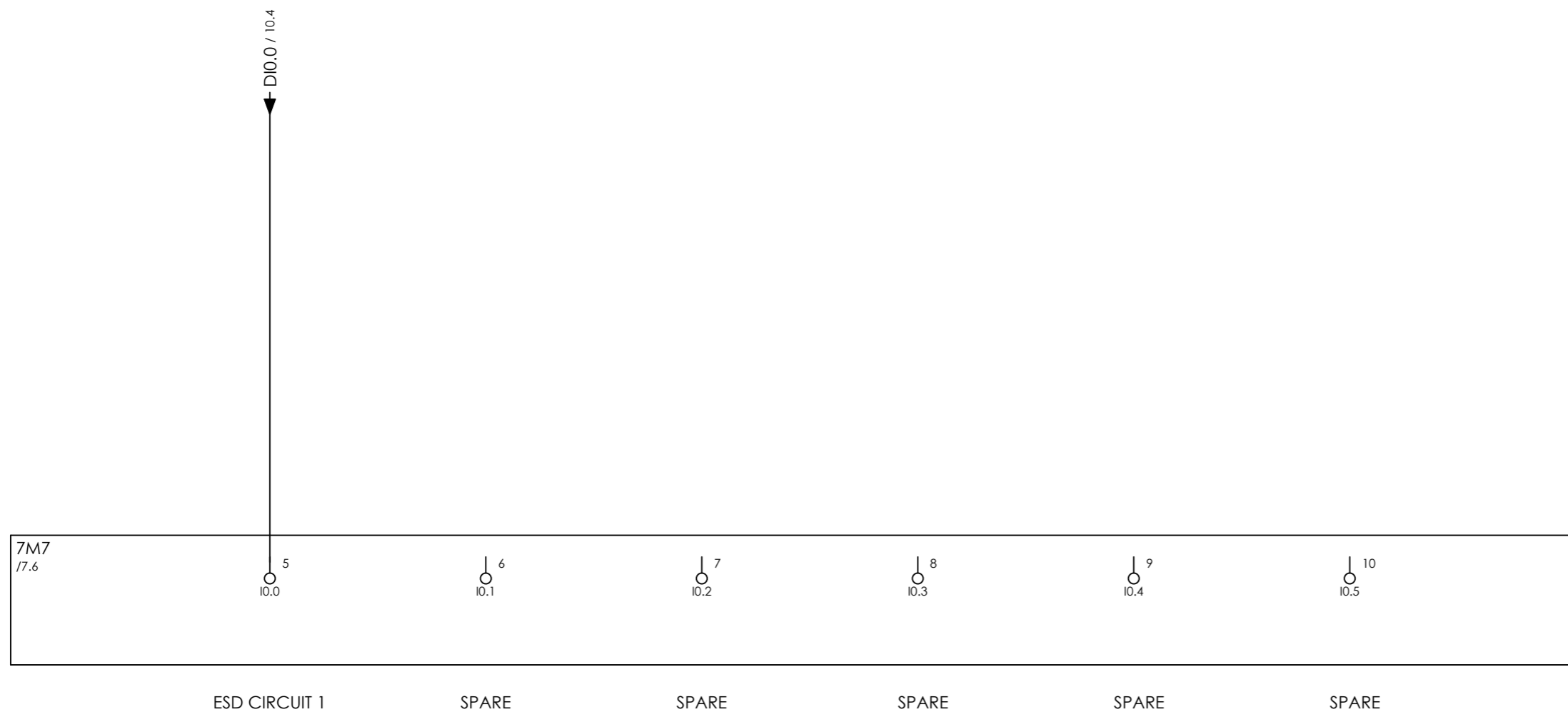
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LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
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EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
THIS DRAWING IS OWNED 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	04	
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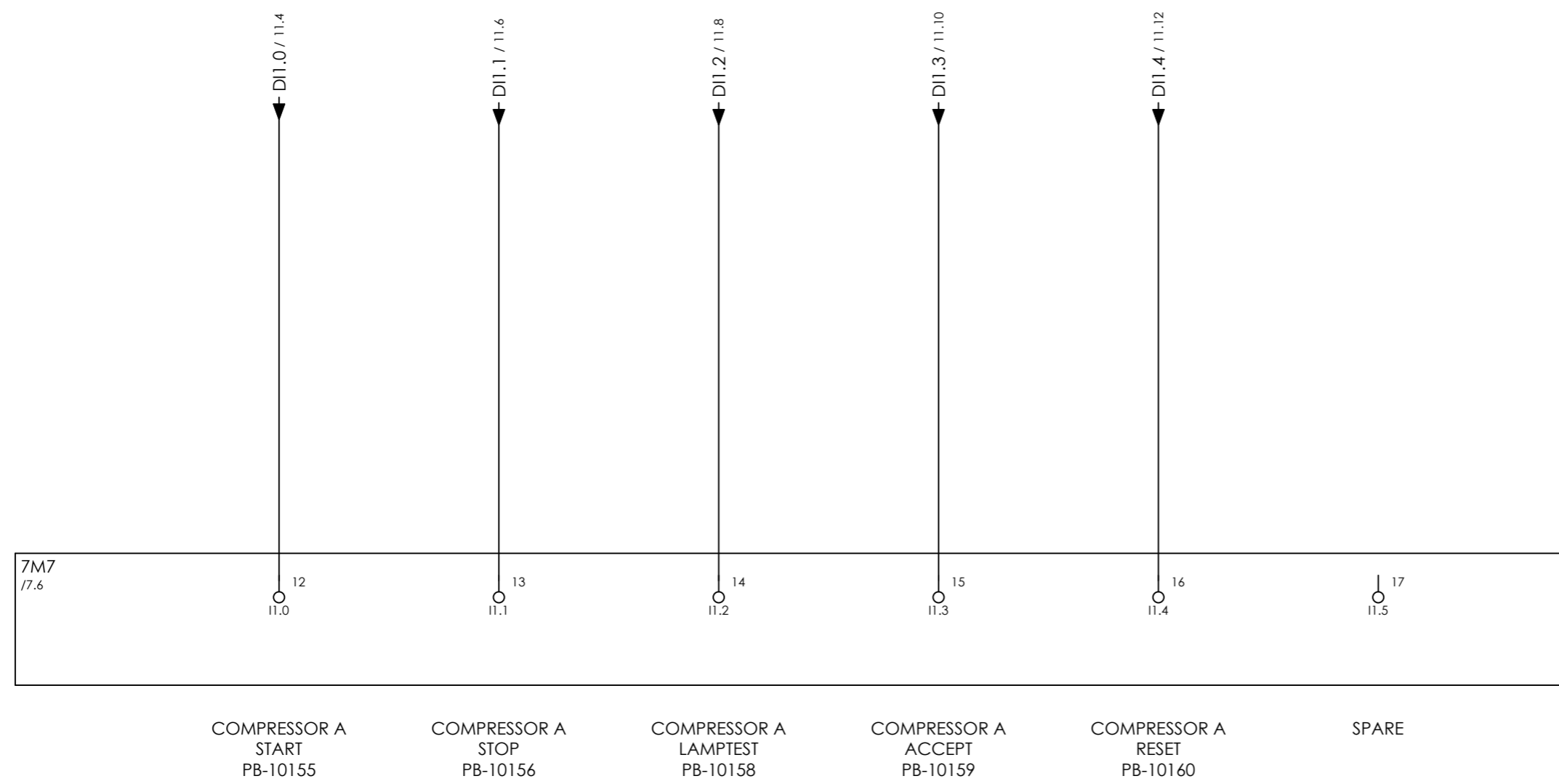


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DIGITAL INPUTS II [7M7]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

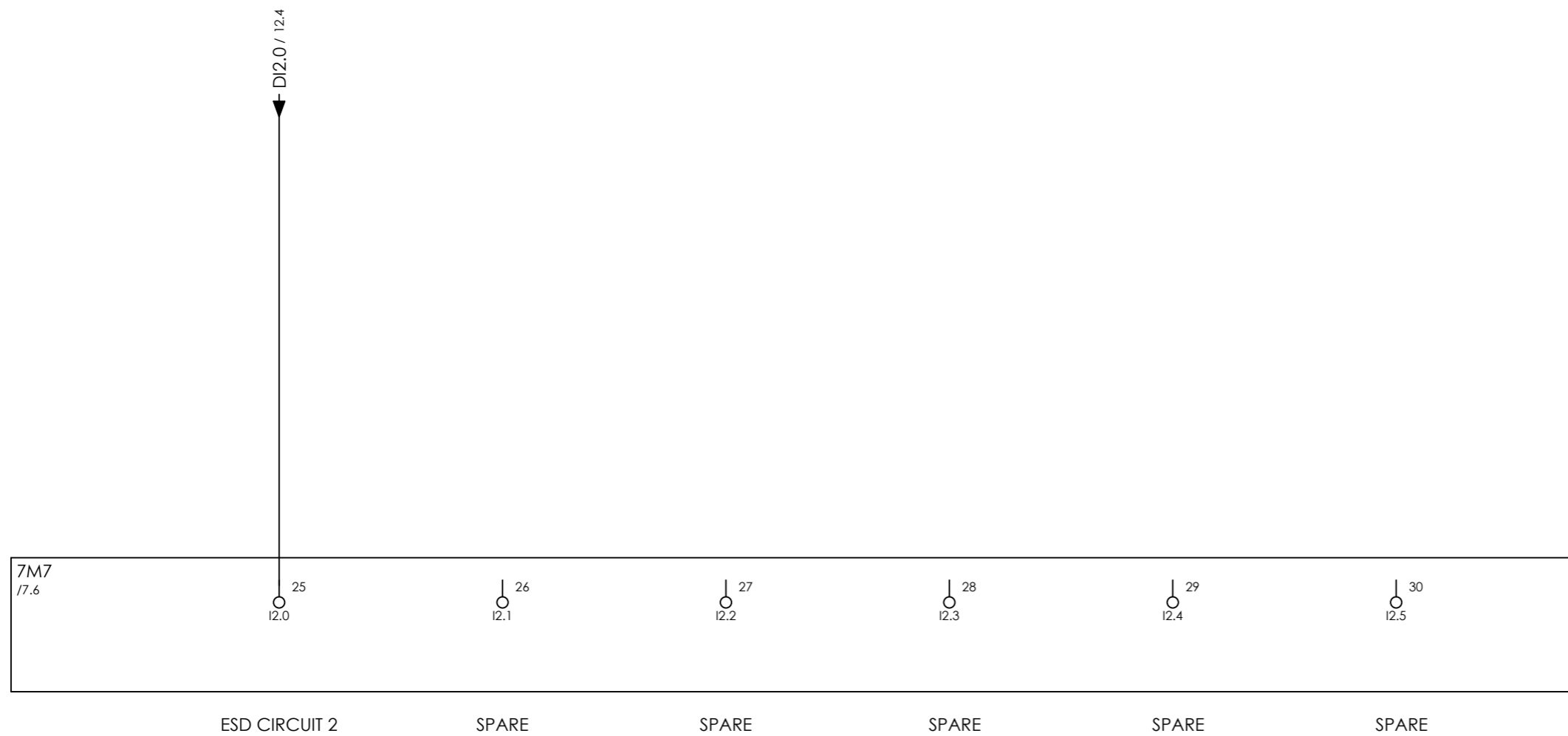
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AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	45

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CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	CURRENT PAGE
EQUIPMENT NO.	20-C-1002	DIGITAL INPUTS II [7M7]		CHECKED BY	RBE	
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	
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	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	46	

CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	LAST MODIFICATION DATE	29-6-2022	
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)	
		CLIENT REF.	Bushehr MEG Plant Project	
		AIRPACK REF.	17811-05A	

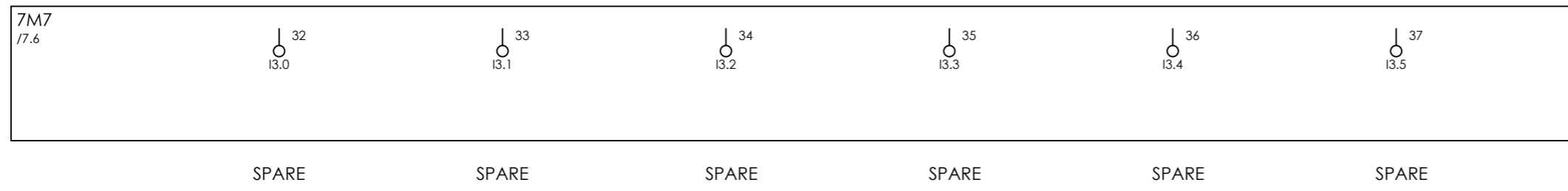


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DIGITAL INPUTS II [7M7]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	47

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+ UCP-C1002-01
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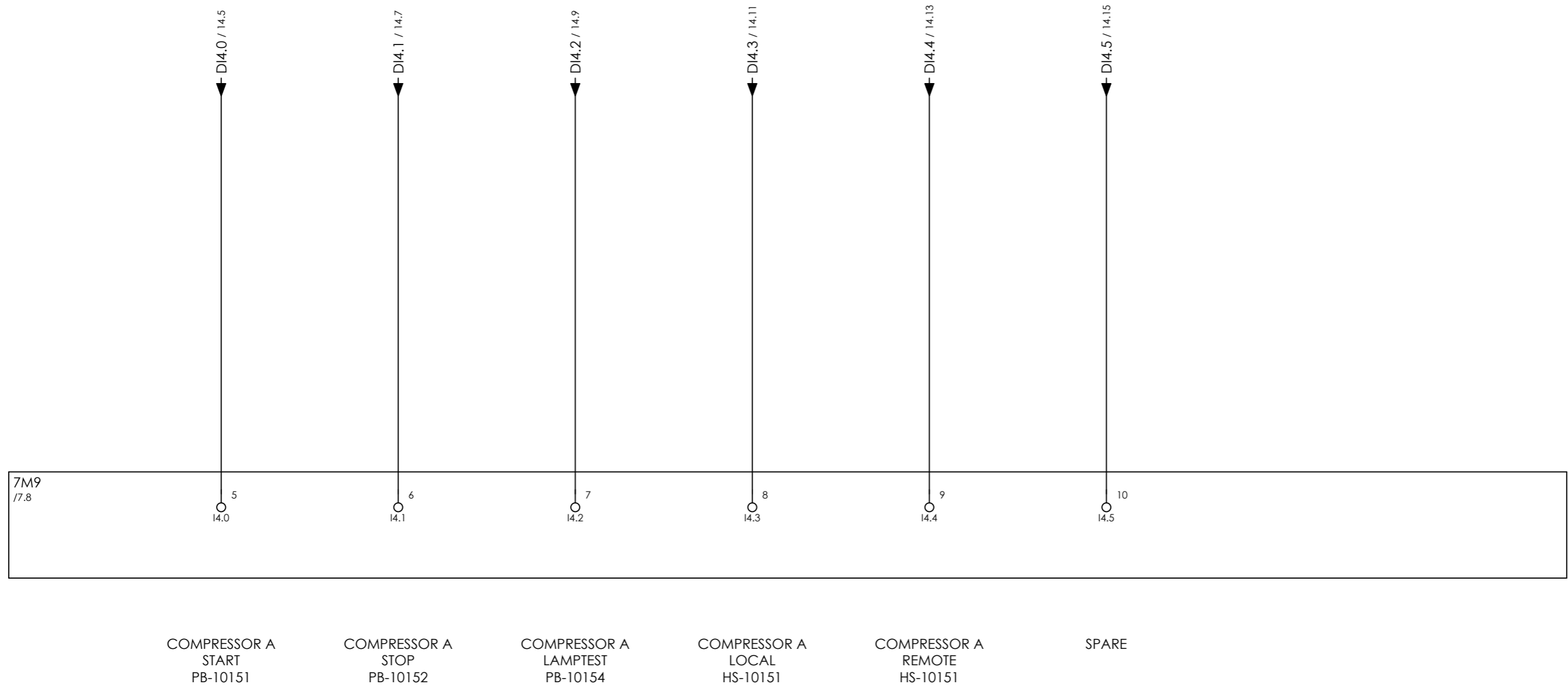


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT DIGITAL INPUTS II [7M7]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	48

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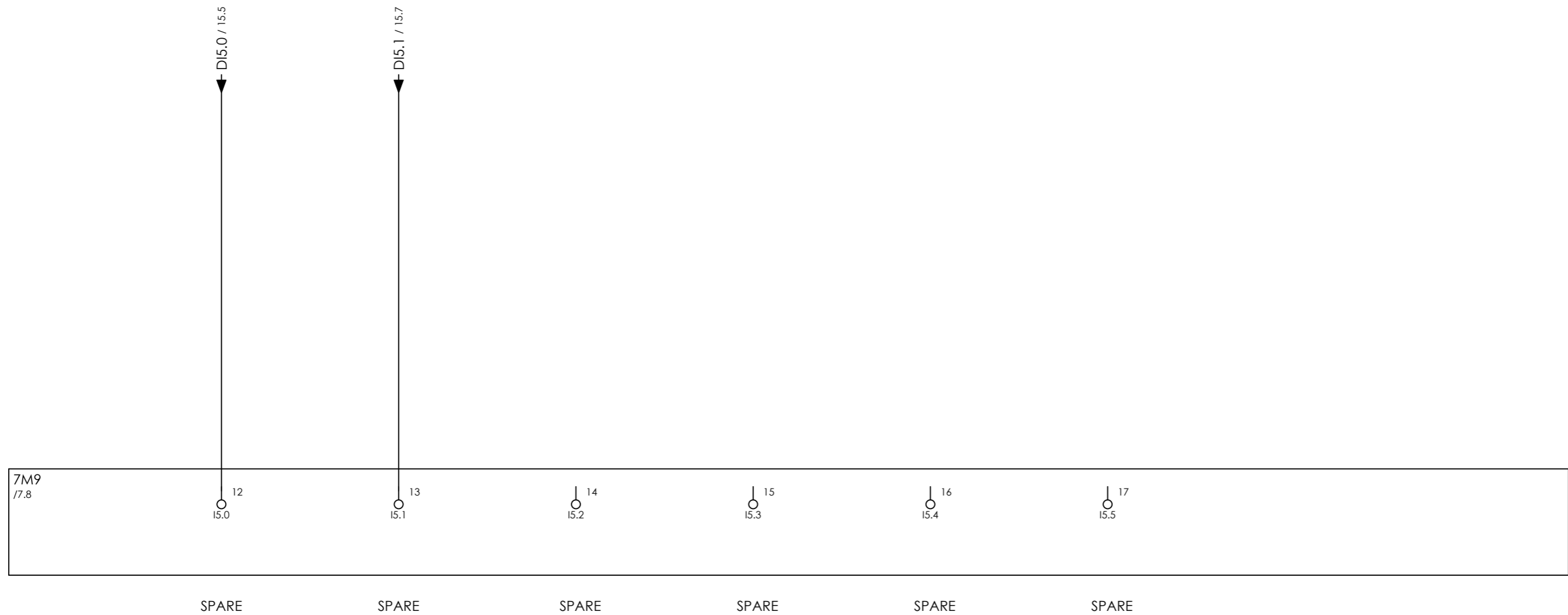


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT	
DIGITAL INPUTS II [7M9]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

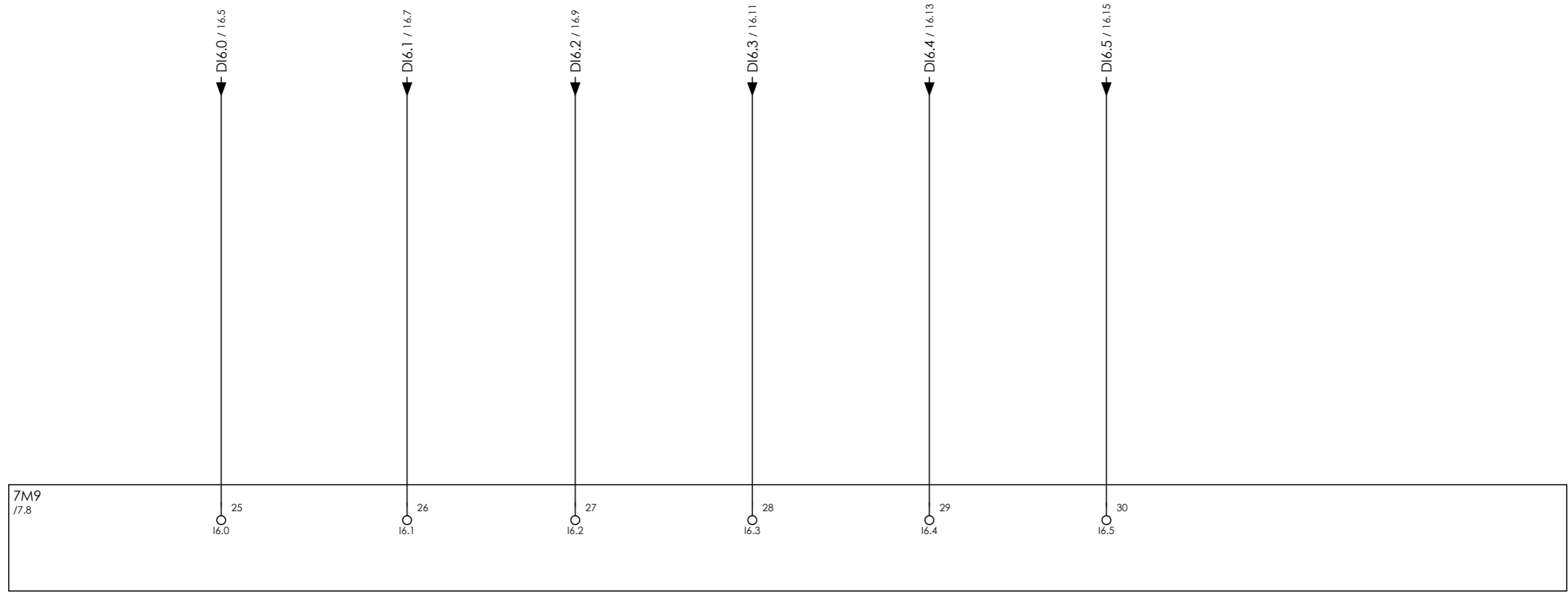
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LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	49

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+ UCP-C1002-01
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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	= 20-C-1002
DIGITAL INPUTS II [7M9]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	50	



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

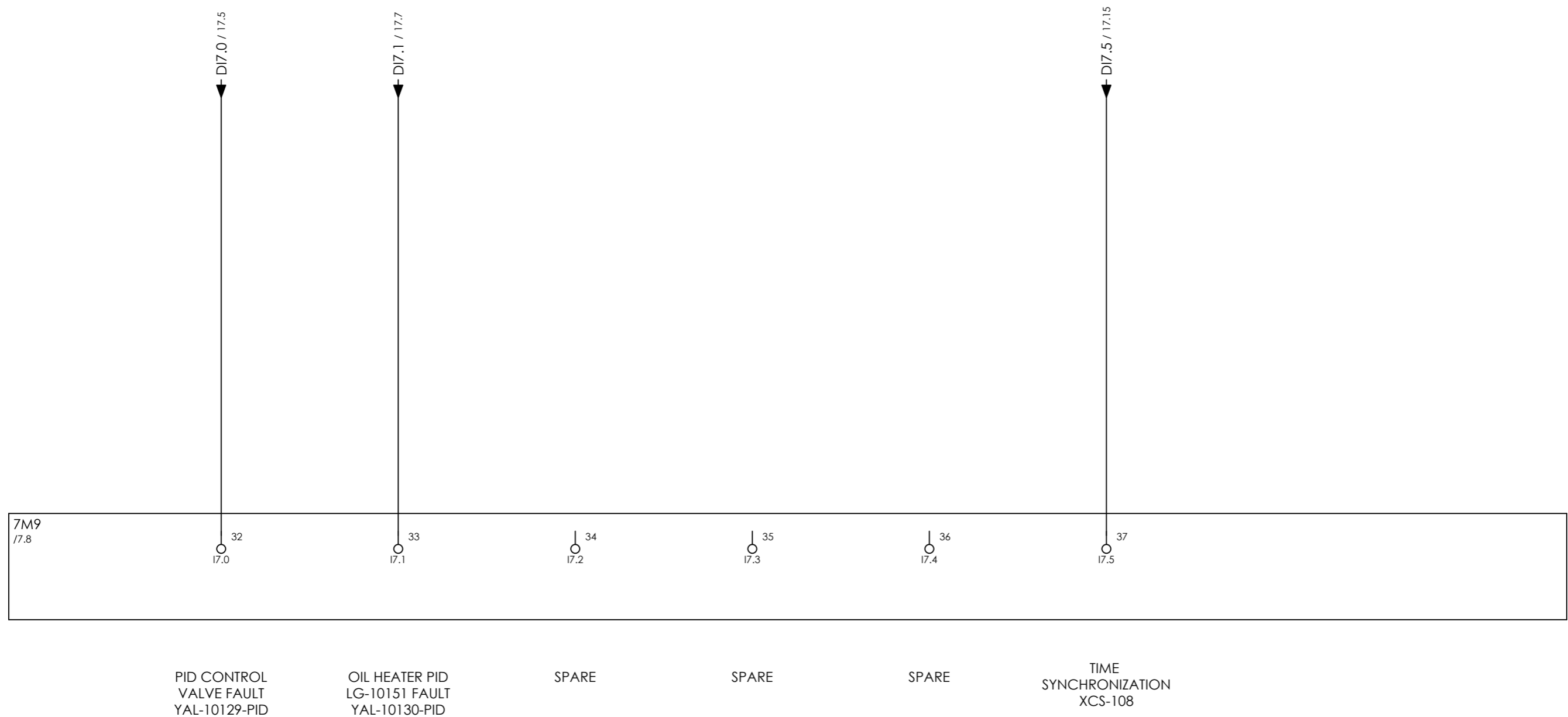
SPARE

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		DRAWN BY	MaGo	= 20-C-1002
DIGITAL INPUTS II [7M9]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	51	

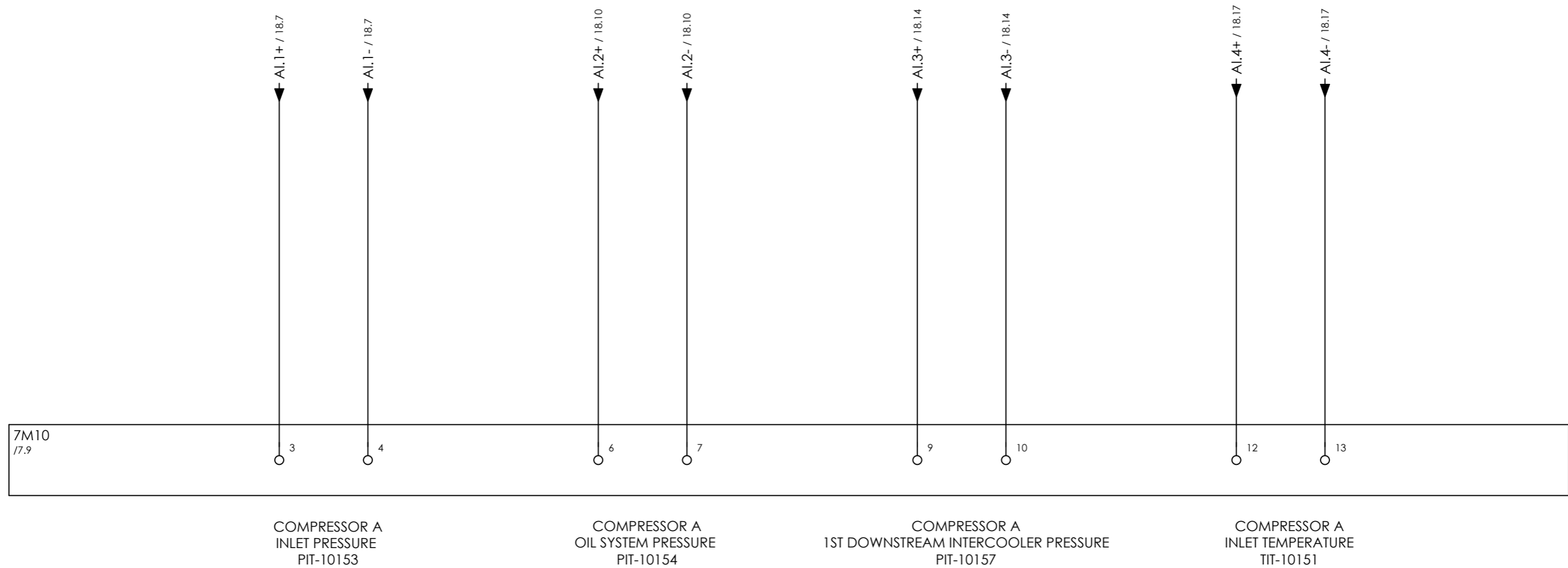


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DIGITAL INPUTS II [7M9]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	52

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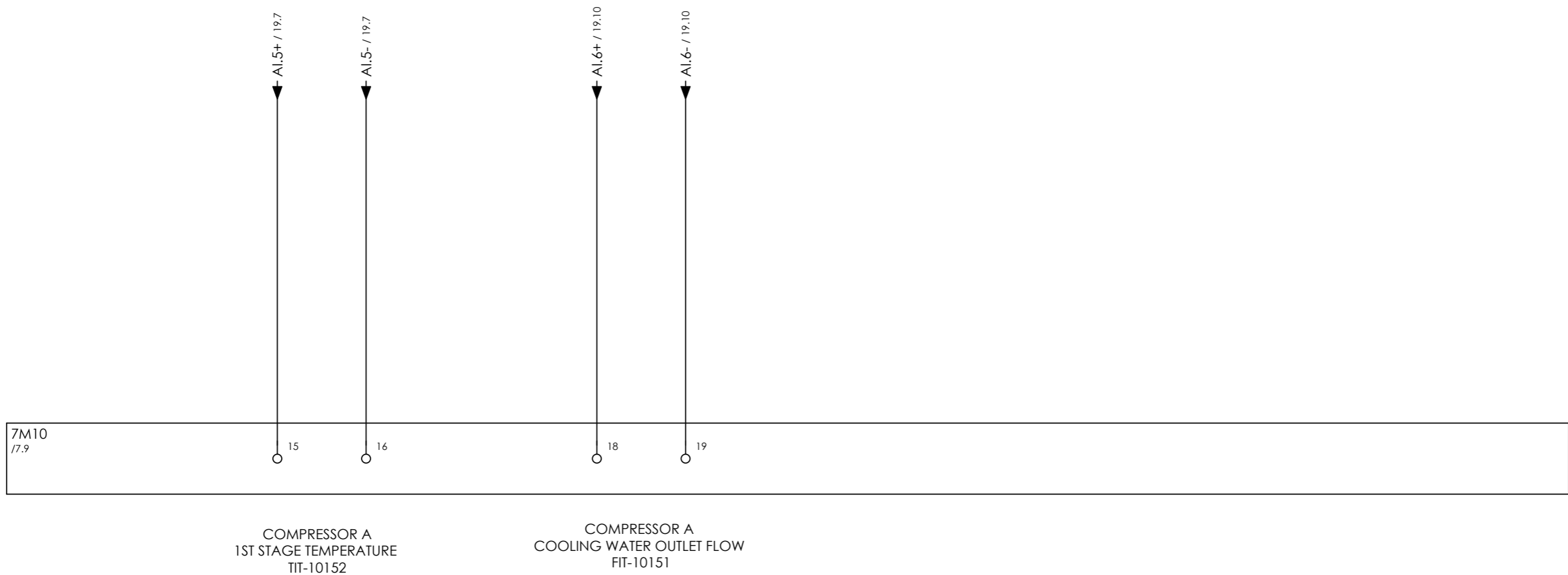


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS II [7M10]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	53

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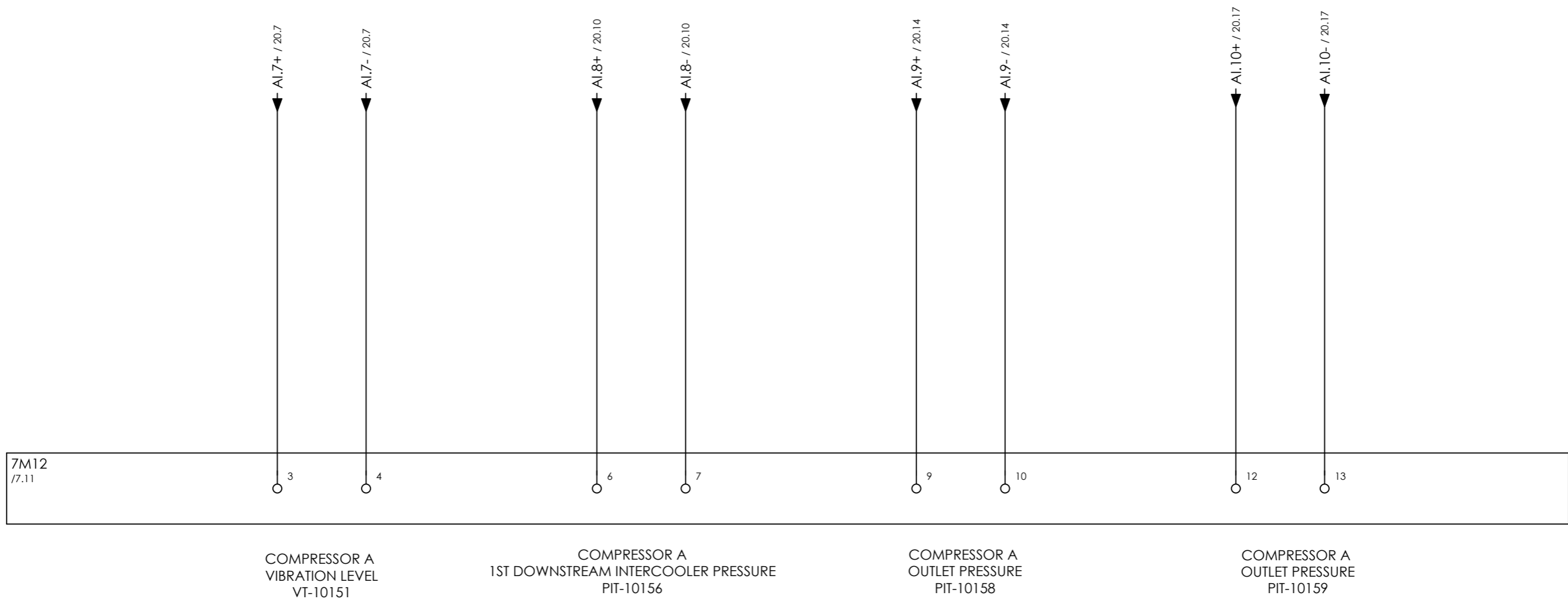


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS II [7M10]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	54

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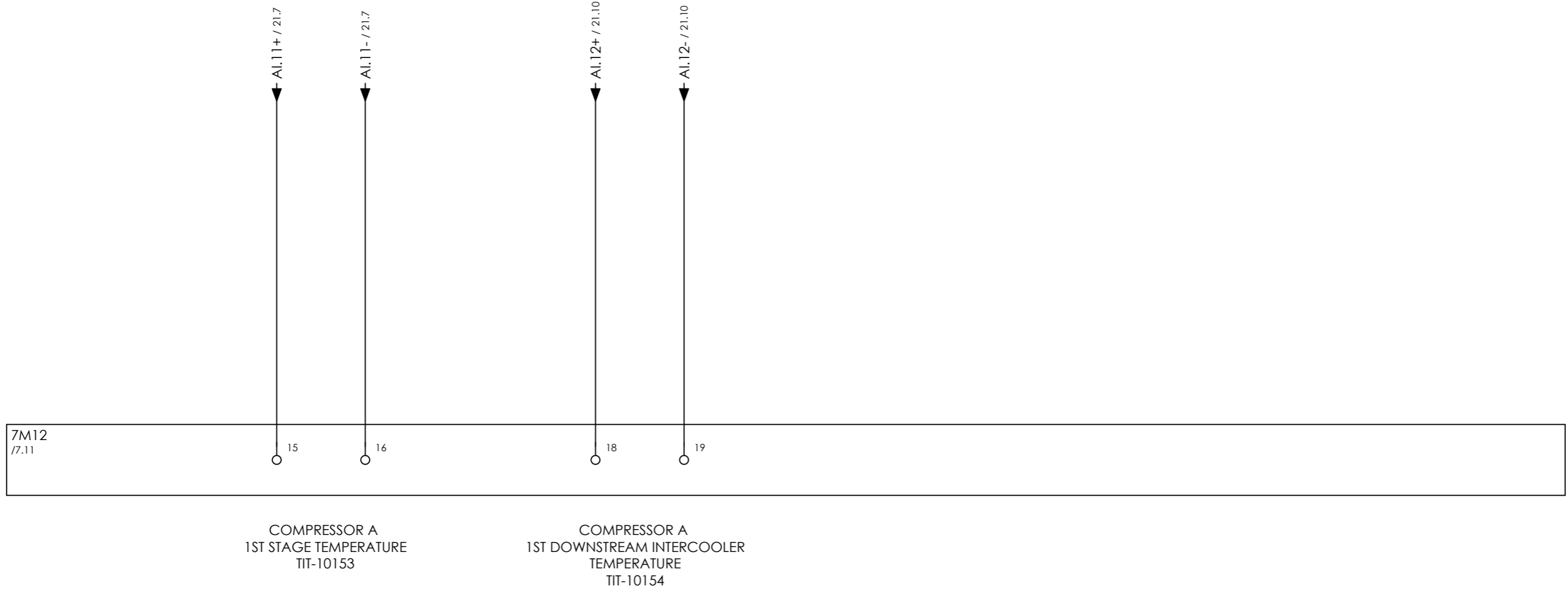


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT ANALOG INPUTS II [7M12]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	55

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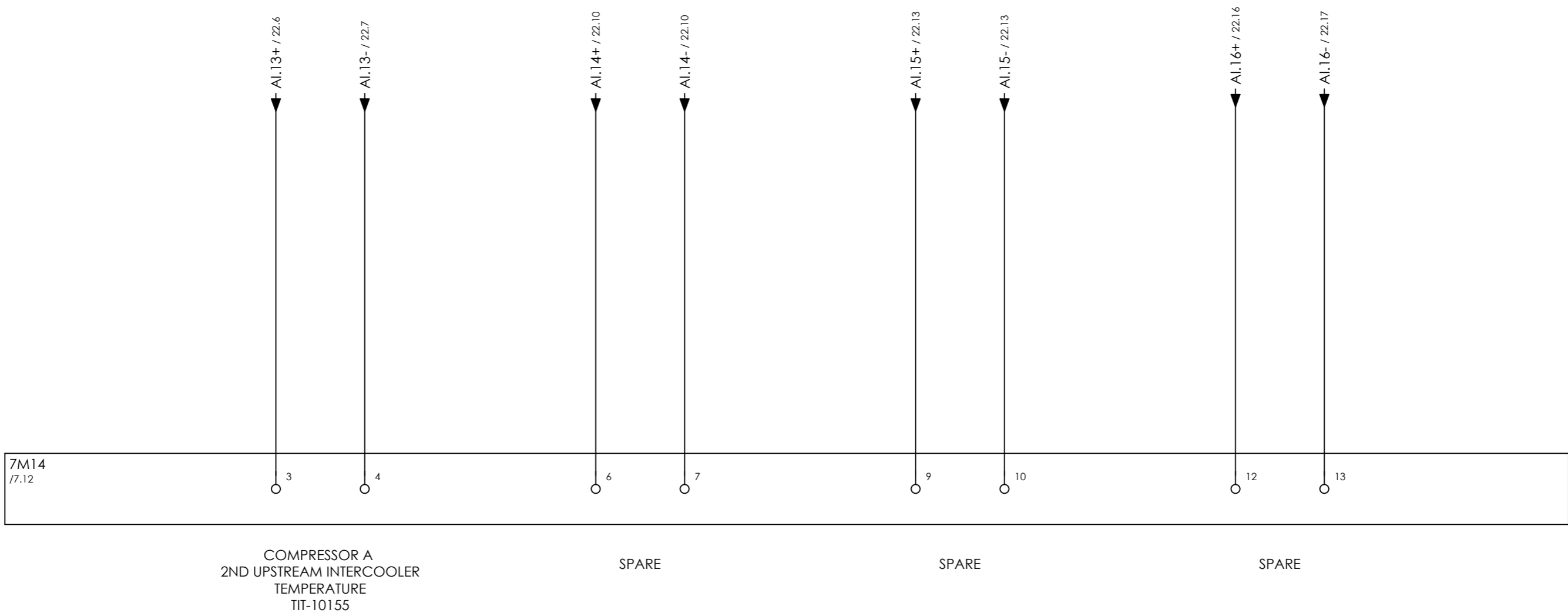


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS II [7M12]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	56

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+ UCP-C1002-01
CURRENT PAGE



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

SUBJECT	
ANALOG INPUTS II [7M14]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
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REVISION	04
TOTAL PAGE AMOUNT	57

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SPARE

SPARE

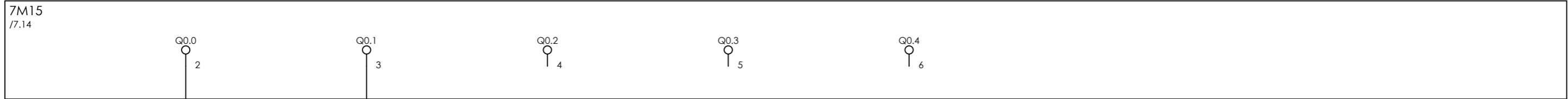


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT ANALOG INPUTS II [7M14]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	58

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CURRENT PAGE



ESD RELAY 01

ESD RELAY 02

SPARE

SPARE

SPARE



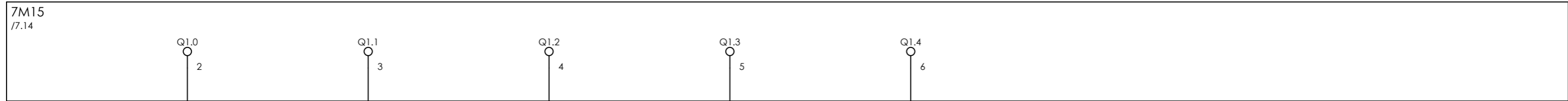
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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT		DIGITAL OUTPUTS II [7M15]	
ADAPTED TO P&ID REVISION	04	CLIENT	Bushehr Petrochemical Company (BUPC)
AIRPACK REF.	17811-05A	CLIENT REF.	Bushehr MEG Plant Project

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CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	59

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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



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

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SUBJECT DIGITAL OUTPUTS II [7M15]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	60

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



COMPRESSOR A
OPERATIONAL
XL-10151

COMPRESSOR A
RUNNING
XL-10152

COMPRESSOR A
COMMON ALARM
XL-10153

COMPRESSOR A
COMMON TRIP
XL-10154

SPARE



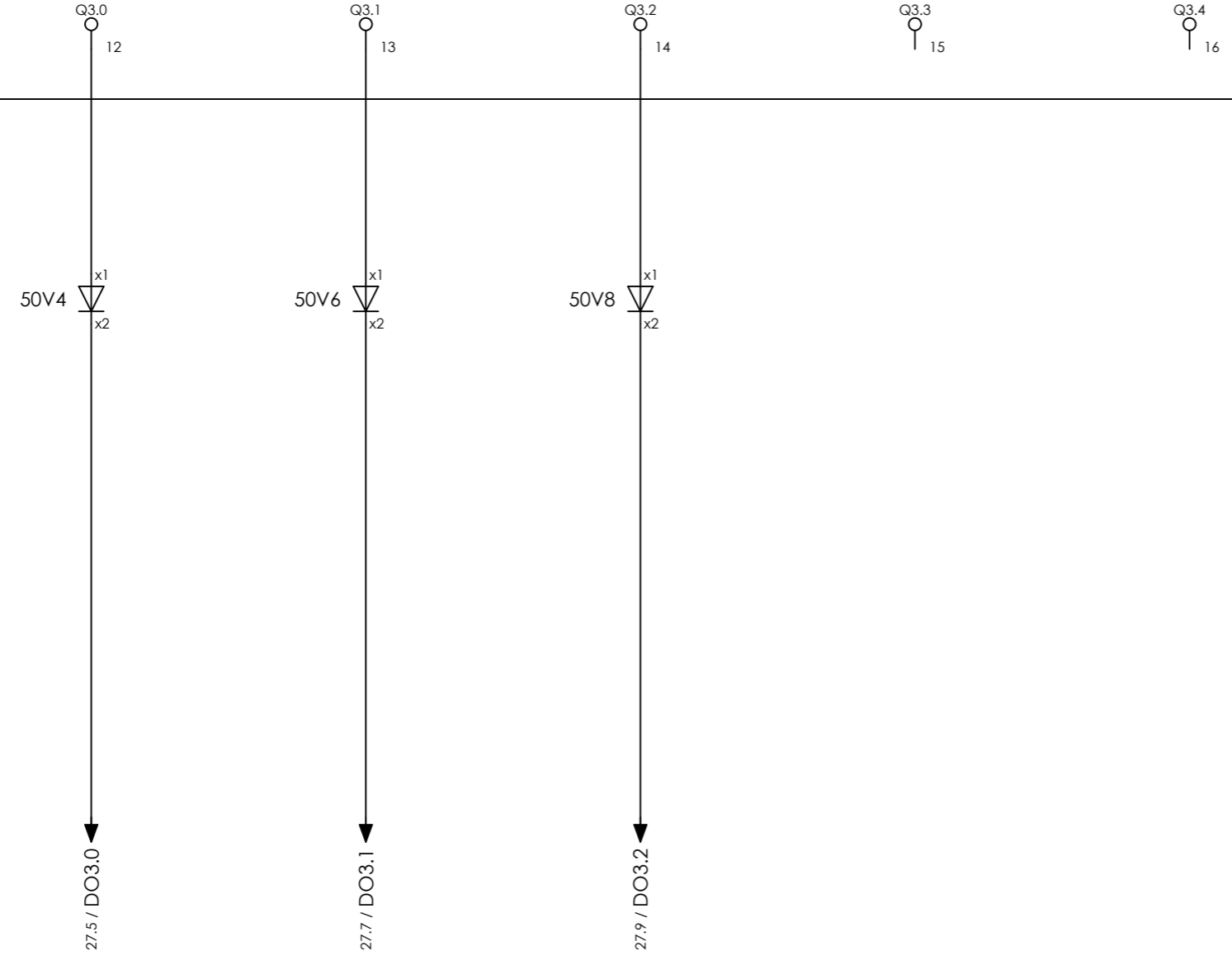
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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT DIGITAL OUTPUTS II [7M16]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	61

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

7M16
/7.15



SPARE

SPARE

COMPRESSOR A
FORCED SHUTDOWN
HS-10121-SD

SPARE

SPARE



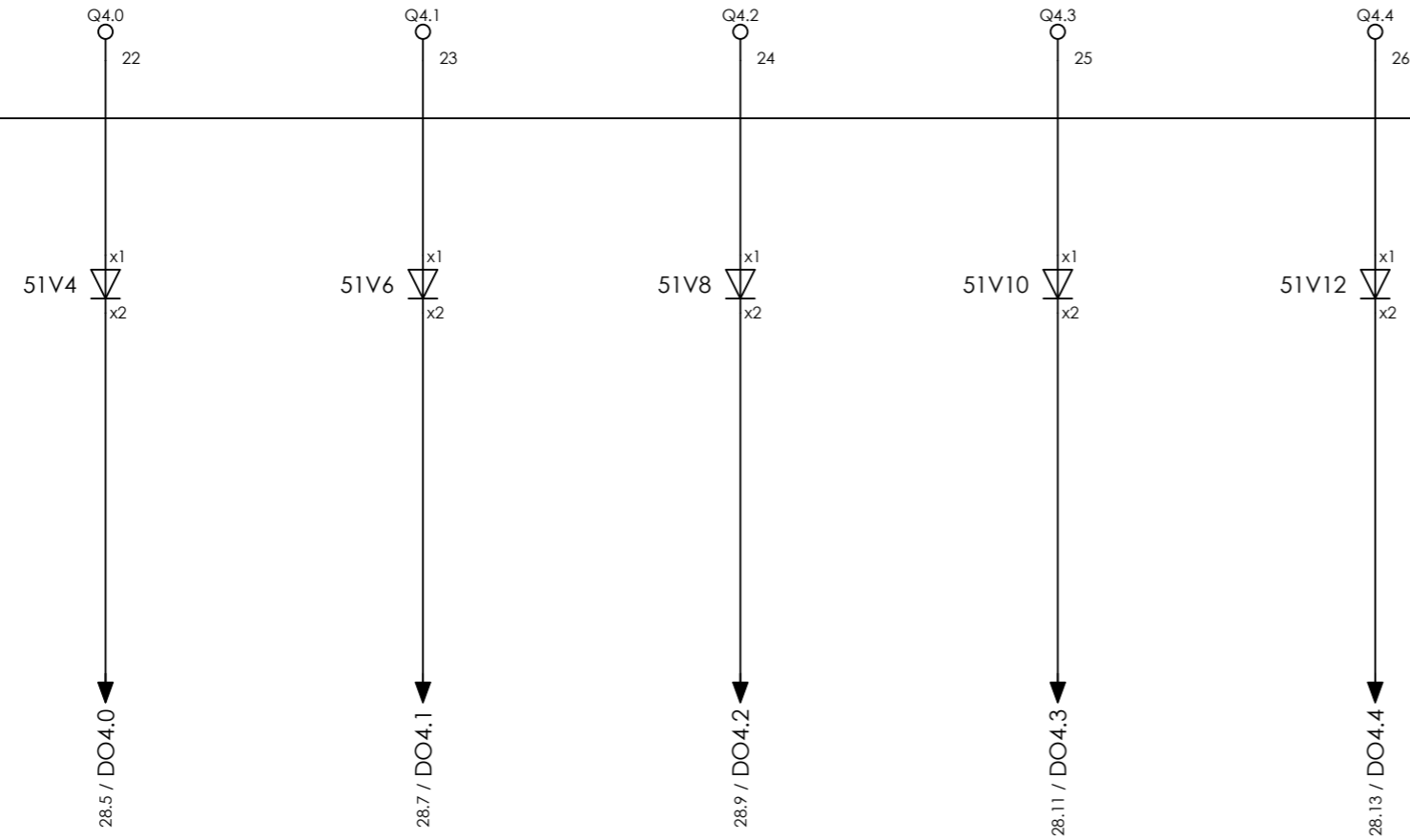
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT DIGITAL OUTPUTS II [7M16]	
ADAPTED TO P&ID REVISION	04
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	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
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

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SUBJECT DIGITAL OUTPUTS II [7M18]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
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



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT	
DIGITAL OUTPUTS II [7M18]	
ADAPTED TO P&ID REVISION	04
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	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	64

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+ UCP-C1002-01
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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
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SUBJECT DIGITAL OUTPUTS II [7M19]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	65

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+ UCP-C1002-01
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

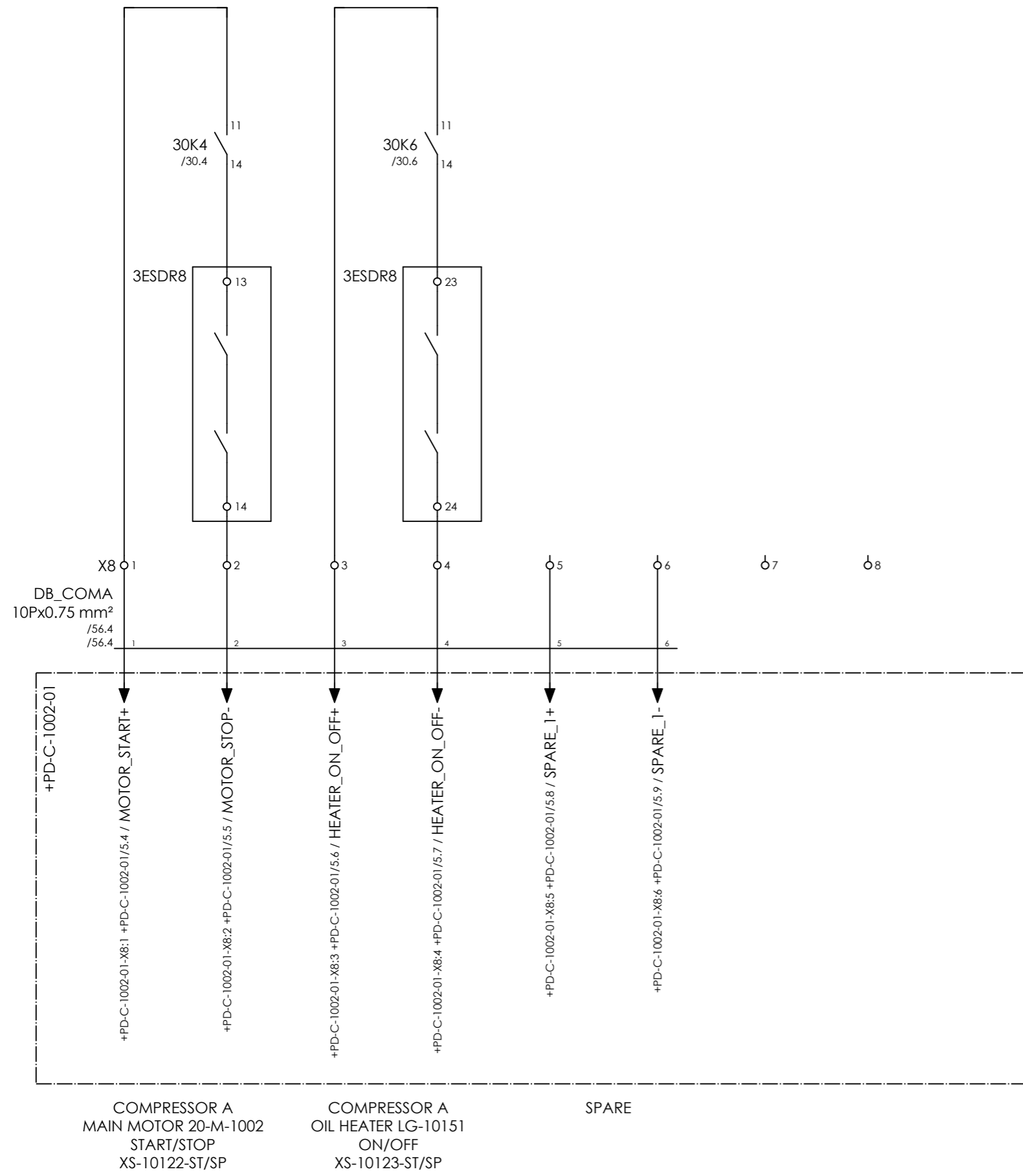


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
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EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT	
DIGITAL OUTPUTS II [7M19]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
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REVISION	04
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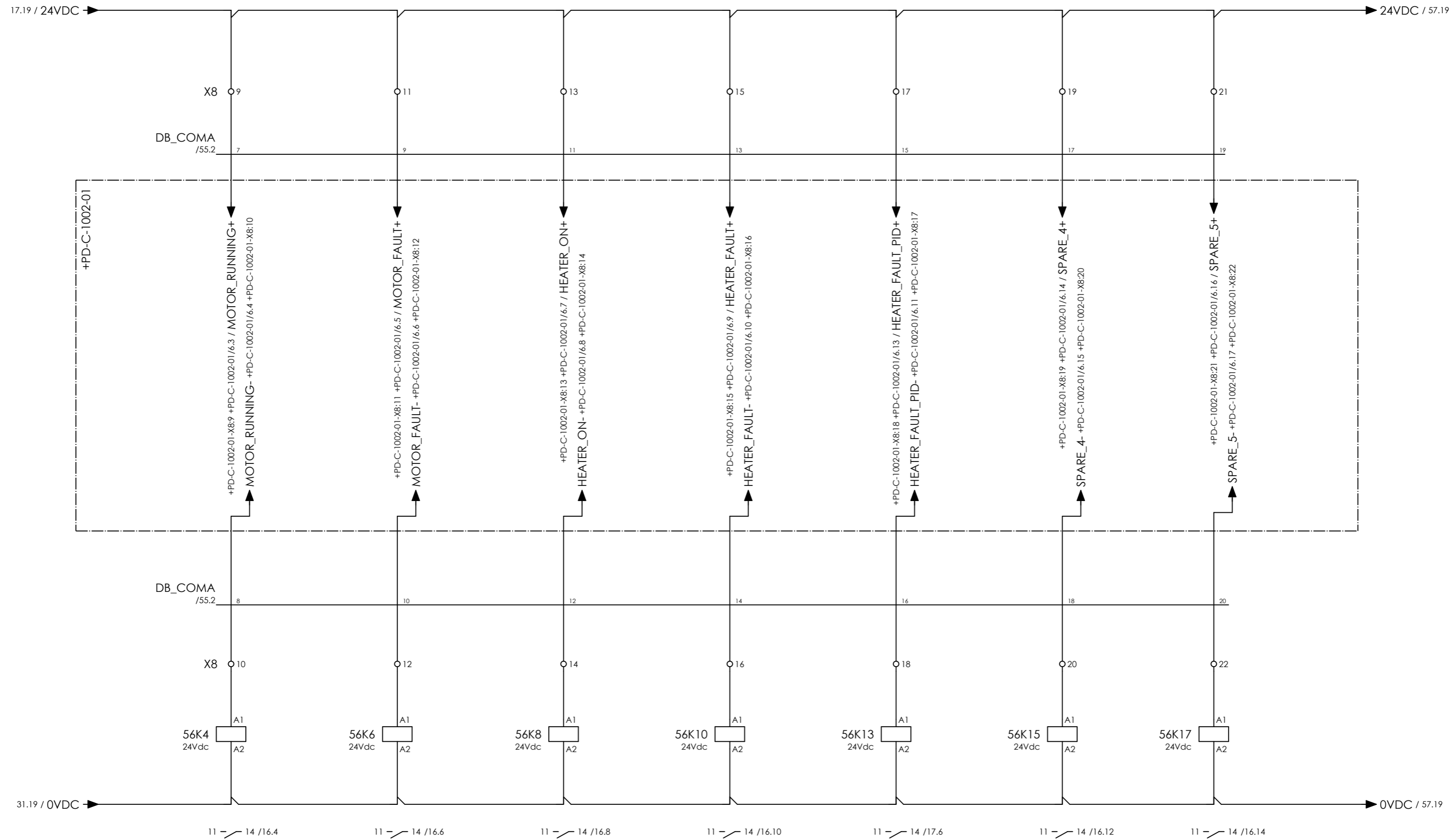


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT SIGNALS TO DISTRIBUTION BOARD	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	67

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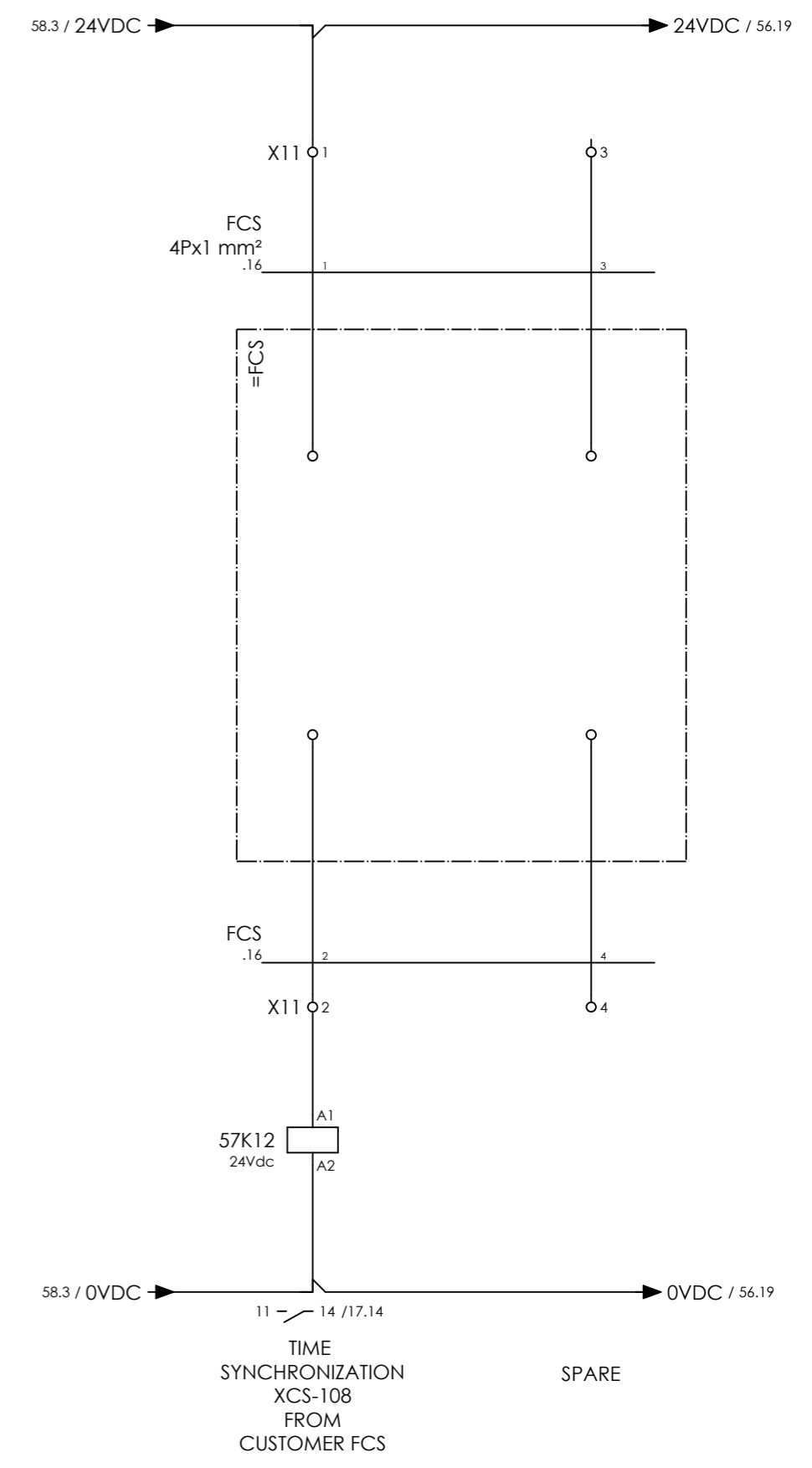
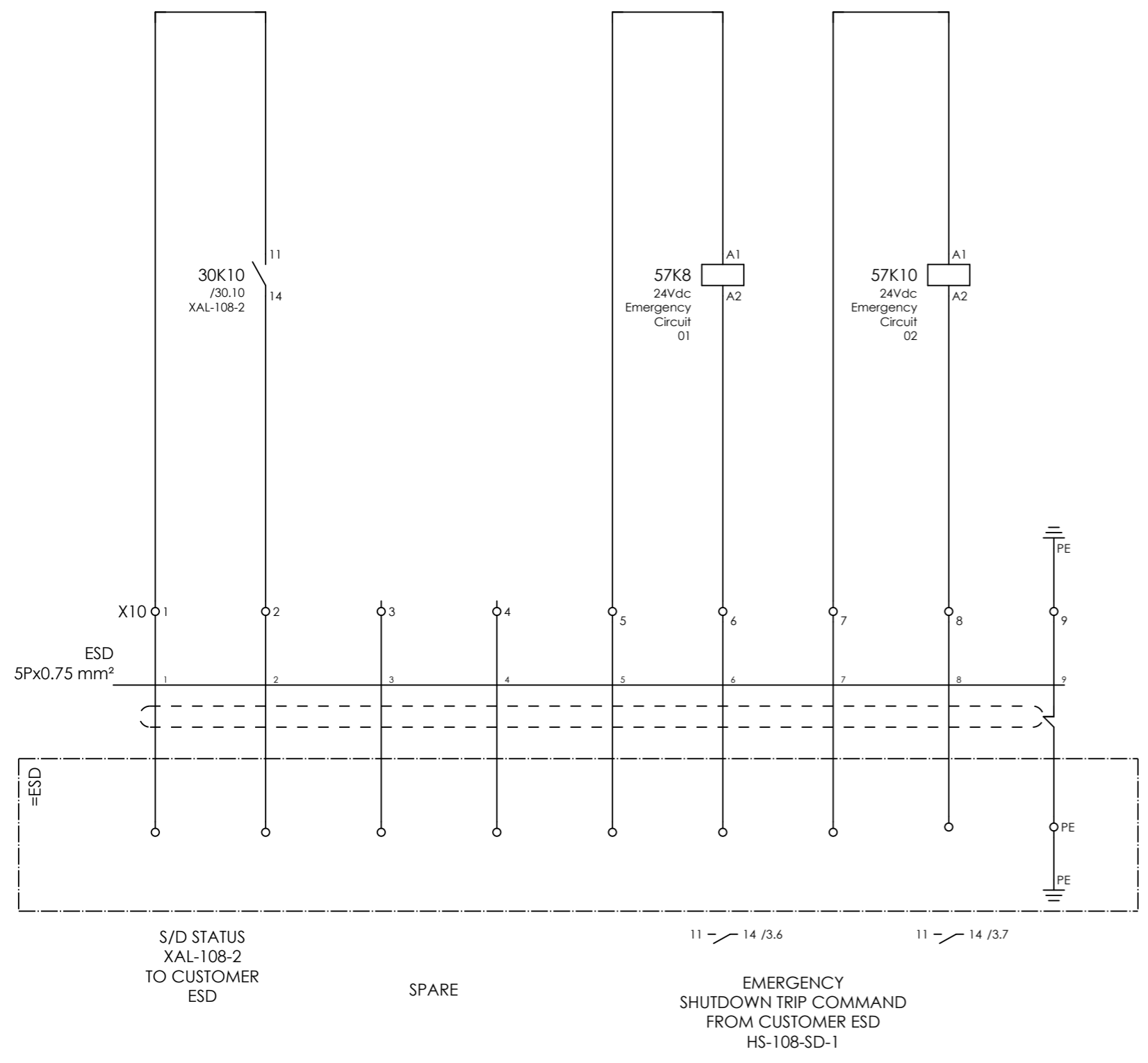


COMPRESSOR A MAIN MOTOR 20-C-1002-M RUNNING XL-10124
 COMPRESSOR A MAIN MOTOR 20-C-1002-M FAULT YAL-10125
 COMPRESSOR A OIL HEATER LG-10151 RUNNING XL-10126
 COMPRESSOR A OIL HEATER LG-10151 FAULT YAL-10127
 OIL HEATER PID LG-10151 FAULT YAL-10130-PID
 SPARE
 SPARE

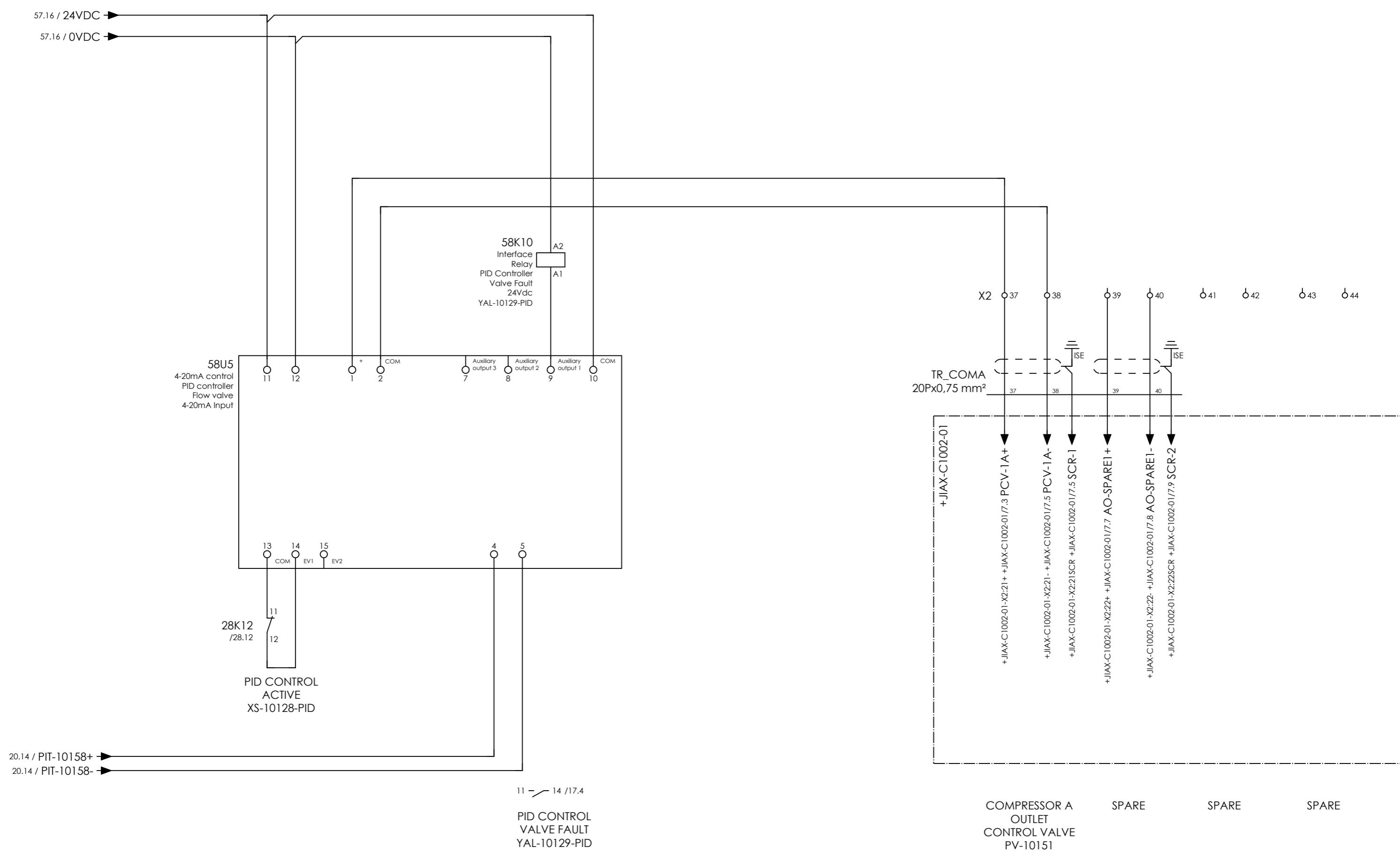


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002 + UCP-C1002-01 CURRENT PAGE
EQUIPMENT NO.	20-C-1002	SIGNALS FROM DISTRIBUTION BOARD		CHECKED BY	RBE	
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	29-6-2022	
THIS DRAWING IS OWNED BY AIRPACK, 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	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	68	

DRAWN BY	MaGo	= 20-C-1002 + UCP-C1002-01 CURRENT PAGE
CHECKED BY	RBE	
LAST MODIFICATION DATE	29-6-2022	
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	68	



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	04	LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
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		CLIENT REF.	Bushehr MEG Plant Project	REVISION	04	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	69	



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

SUBJECT PID CONTROL FLOW VALVE	
ADAPTED TO P&ID REVISION	04
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	04
TOTAL PAGE AMOUNT	70

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

Terminal diagram

Strip =20-C-1002+UCP-C1002-01-X0 POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER			Cable name		Cable name		Cable name	
Terminal	Jumper	Target designation	Connection point	Terminal	Connection point	Target designation	Connection point	Terminal
1	.	-2S2	2	1		=CUSTOMER-L		-PS_02
2	.	-2S2	4	2		=CUSTOMER-N		-PS_01
3	.		PE	3		=CUSTOMER-PE		-PS_00
4	.	-2S4	2	4		=CUSTOMER-L	BN	
5	.	-2S4	4	5		=CUSTOMER-N	BU	
6	.		PE	6		=CUSTOMER-PE	GN/YE	
7	.	-2S6	2	7	BN	=CUSTOMER-L		
8	.	-2S6	4	8	BU	=CUSTOMER-N		
9	.		PE	9	GN/YE	=CUSTOMER-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
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 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 04
 TOTAL PAGE AMOUNT 71

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

Terminal diagram

Cable name		Strip =20-C-1002+UCP-C1002-01-X1 SOLENOIDS							Cable name	
1	2	Terminal	Connection point	Target designation	Jumper	Target designation	Connection point	Terminal	Connection point	
-SOL_COMA	5P2.5 mm²	1+	1+	+JNDX-C1002-01-X1			1+	1+	14	
		1-	1-	+JNDX-C1002-01-X1	•		1-	1-	24	
		2+	2+	+JNDX-C1002-01-X1	•		2+	2+	14	
		2-	2-	+JNDX-C1002-01-X1	•		2-	2-		
		3+	3+	+JNDX-C1002-01-X1	•		3+	3+	14	
		3-	3-	+JNDX-C1002-01-X1	•		3-	3-		
		4+	4+	+JNDX-C1002-01-X1	•		4+	4+	14	
		4-	4-	+JNDX-C1002-01-X1	•		4-	4-		
		5+	5+	+JNDX-C1002-01-X1			5+	5+		
		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	04
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Bushehr Petrochemical Company (BUPC)
		CLIENT REF.	Bushehr MEG Plant Project
		AIRPACK REF.	17811-05A

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LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	72	

Terminal diagram

Cable name		Strip =20-C-1002+UCP-C1002-01-X2 ANALOGUE INPUTS OUTPUTS										Cable name	
-TR_COMA	20Px0,75 mm²	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	-TR_COMA	20Px0,75 mm²
		-9U4	1	1	·	+JIAX-C1002-01-X2	1+	1	·				
		-9U4	3	2	·	+JIAX-C1002-01-X2	1-	2	·				
		-9U5	1	3	·	+JIAX-C1002-01-X2	2+	3	·				
		-9U5	3	4	·	+JIAX-C1002-01-X2	2-	4	·				
		-9U6	1	5	·	+JIAX-C1002-01-X2	3+	5	·				
		-9U6	3	6	·	+JIAX-C1002-01-X2	3-	6	·				
		-9U7	1	7	·	+JIAX-C1002-01-X2	4+	7	·				
		-9U7	3	8	·	+JIAX-C1002-01-X2	4-	8	·				
		-9U8	1	9	·	+JIAX-C1002-01-X2	5+	9	·				
		-9U8	3	10	·	+JIAX-C1002-01-X2	5-	10	·				
		-9U9	1	11	·	+JIAX-C1002-01-X2	6+	11	·				
		-9U9	3	12	·	+JIAX-C1002-01-X2	6-	12	·				
		-9U10	1	13	·	+JIAX-C1002-01-X2	7+	13	·				
		-9U10	3	14	·	+JIAX-C1002-01-X2	7-	14	·				
		-9U11	1	15	·	+JIAX-C1002-01-X2	8+	15	·				
		-9U11	3	16	·	+JIAX-C1002-01-X2	8-	16	·				
		-9U12	1	17	·	+JIAX-C1002-01-X2	9+	17	·				
		-9U12	3	18	·	+JIAX-C1002-01-X2	9-	18	·				
		-9U13	1	19	·	+JIAX-C1002-01-X2	10+	19	·				
		-9U13	3	20	·	+JIAX-C1002-01-X2	10-	20	·				
		-9U14	1	21	·	+JIAX-C1002-01-X2	11+	21	·				
		-9U14	3	22	·	+JIAX-C1002-01-X2	11-	22	·				
		-9U15	1	23	·	+JIAX-C1002-01-X2	12+	23	·				
		-9U15	3	24	·	+JIAX-C1002-01-X2	12-	24	·				
		-9U16	1	25	·	+JIAX-C1002-01-X2	13+	25	·				
		-9U16	3	26	·	+JIAX-C1002-01-X2	13-	26	·				
		-9U17	1	27	·	+JIAX-C1002-01-X2	14+	27	·				
		-9U17	3	28	·	+JIAX-C1002-01-X2	14-	28	·				
				33	·	+JIAX-C1002-01-X2	17+	33	·				
				34	·	+JIAX-C1002-01-X2	17-	34	·				
				36	·	+JIAX-C1002-01-X2	18-	36	·				
		+JIAX-C1002-01-X2	21+	37	·	-58U5	1	37	·				
		+JIAX-C1002-01-X2	21-	38	·	-58U5	2	38	·				
		+JIAX-C1002-01-X2	22+	39	·			39	·				
		+JIAX-C1002-01-X2	22-	40	·			40	·				
				41	·			41	·				
				42	·			42	·				
				43	·			43	·				
				44	·			44	·				



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 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-05A

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 REVISION 04
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= 20-C-1002
 + UCP-C1002-01
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Terminal diagram

Strip
=20-C-1002+UCP-C1002-01-X5
 CONNECTION PUSHBUTTONS / LAMPS

Cable name		Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	
-LCP_COMA	15Px0,75 mm²	+LP-C1002-01-X5	1	1	•	-9V4	x1	-LCP_COMA	15Px0,75 mm²
		-6M9	5	2	•	+LP-C1002-01-X5	2		
		-7M9	5						
		+LP-C1002-01-X5	3	3	•				
		-6M9	6	4	•	+LP-C1002-01-X5	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-X5	21	23	•	-26V10	x2		
						-49V10	x2		
		+LP-C1002-01-X5	22	24	•				
		+LP-C1002-01-X5	23	25	•	-26V12	x2		
						-49V12	x2		
		+LP-C1002-01-X5	24	26	•				
		+LP-C1002-01-X5	25	27	•	-27V4	x2		



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-X5	
ADAPTED TO P&ID REVISION	04

CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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REVISION	04
TOTAL PAGE AMOUNT	74

Cable name										
-LCP_COMA	15Px0,75 mm²									
Strip =20-C-1002+UCP-C1002-01-X5 CONNECTION PUSHBUTTONS / LAMPS										
		Target designation	Connection point	Terminal	Jumper	Target designation	Connection point			
		+LP-C1002-01-X5	26	28		-50V4	x2			
		-27V6	x2	29		+LP-C1002-01-X5	x2	27		
		-50V6								
		+LP-C1002-01-X5	28	30		-27K8	A2			
-LCP_COMA	15Px0,75 mm²									
		27	28							



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	
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CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-05A

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LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE	
AIRPACK DWG NO.	17811-05		
REVISION	04		
TOTAL PAGE AMOUNT	75		

Terminal diagram

Strip =20-C-1002+UCP-C1002-01-X8 SIGNALS TO / FROM DISTRIBUTION BOARD

Cable name		Cable name						Cable name	
-DB_COMA	10Px0.75 mm²								
Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point
+PD-C-1002-01-X8	1	1	·	-30K4	11	1			
+PD-C-1002-01-X8	2	2	·	-3ESDR8	14	2			
+PD-C-1002-01-X8	3	3	·	-30K6	11	3			
+PD-C-1002-01-X8	4	4	·	-3ESDR8	24	4			
+PD-C-1002-01-X8	5	5	·			5			
+PD-C-1002-01-X8	6	6	·			6			
		7	·			7			
		8	·			8			
-57K12	11	9	•	+PD-C-1002-01-X8	9	9			
+PD-C-1002-01-X8	10	10	·	-56K4	A1	10			
+PD-C-1002-01-X8	12	11	•	+PD-C-1002-01-X8	11	11			
+PD-C-1002-01-X8	14	12	·	-56K6	A1	12			
+PD-C-1002-01-X8	14	13	•	+PD-C-1002-01-X8	13	13			
+PD-C-1002-01-X8	16	14	·	-56K8	A1	14			
+PD-C-1002-01-X8	16	15	•	+PD-C-1002-01-X8	15	15			
+PD-C-1002-01-X8	17	16	·	-56K10	A1	16			
+PD-C-1002-01-X8	17	17	•	+PD-C-1002-01-X8	18	17			
+PD-C-1002-01-X8	20	18	·	-56K13	A1	18			
+PD-C-1002-01-X8	20	19	•	+PD-C-1002-01-X8	19	19			
-X11	1	20	·	-56K15	A1	20			
+PD-C-1002-01-X8	22	21	•	+PD-C-1002-01-X8	21	21			
		22	·	-56K17	A1	22			



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= 20-C-1002
 + UCP-C1002-01
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Terminal diagram

Cable name	Cable name	Cable type	Terminal	Connection point	Jumper	Target designation	Terminal	Connection point	Jumper	Target designation	Terminal	Connection point	Jumper	Target designation
-ESD_LCP_A	-ESD_LCP_A	5Px1 mm²	1	1	.	+LP-C1002-01-X9	1	1	.	-57K8	14			
			2	2	.	+LP-C1002-01-X9	2	14	.	-57K10	14			
			3	5:5	.	-6M7	3	3	.	+LP-C1002-01-X9	3			
			4	25	.	-6M7	4	4	.	+LP-C1002-01-X9	4			

Strip
=20-C-1002+UCP-C1002-01-X9
EMERGENCY SHUTDOWN



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+UCP-C1002-01-X9	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	77

Terminal diagram

Cable name		Strip =20-C-1002+UCP-C1002-01-X10 SIGNALS TO ESD									Cable name	
Terminal	Connection point	Target designation	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Connection point	
1		-30K10	.	XAL-108-2		1	.					
2		-30K10	.	XAL-108-2		2	.					
3			.			3	.					
4			.			4	.					
5		-57K8 24Vdc Emergency Circuit 01			A1	5						
6		-57K8 24Vdc Emergency Circuit 01			A2	6						
7		-57K1024Vdc Emergency Circuit 02			A1	7						
8		-57K1024Vdc Emergency Circuit 02			A2	8						
9	PE					9						



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 AIRPACK DWG NO. 17811-05
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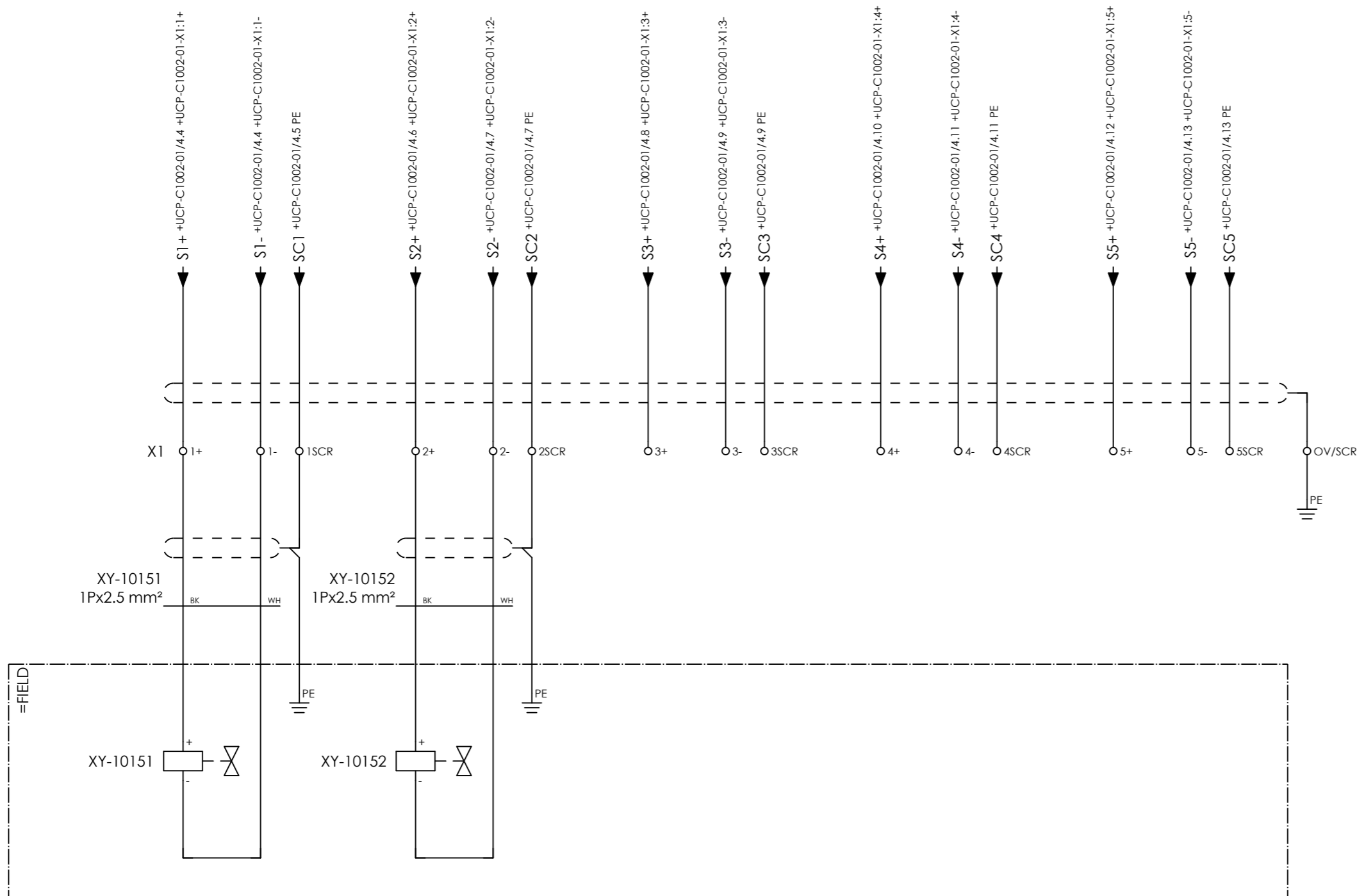
TERMINAL STRIP DEFINITION

JUNCTION BOX
JNDX-C1002-01

X1 = CONNECTION SOLENOIDS



CLIENT DWG NO.		SUBJECT	TERMINAL STRIP DEFINITION	DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002			CHECKED BY	RBE	+ JNDX-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION		LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
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		CLIENT REF.	Bushehr MEG Plant Project	REVISION		
		AIRPACK REF.	17811-05A	PAGE NUMBER	94	



COMPRESSOR A
INLET
SOLENOID VALVE
XY-10151

COMPRESSOR A
COOLING WATER INLET
SOLENOID VALVE
XY-10152

SPARE

SPARE

SPARE

Terminal diagram

Cable name		Strip =20-C-1002+JNDX-C1002-01-X1 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
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 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 04
 TOTAL PAGE AMOUNT 82

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JUNCTION BOX JIAX-C1002-01

TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS AND CONTROL VALVE

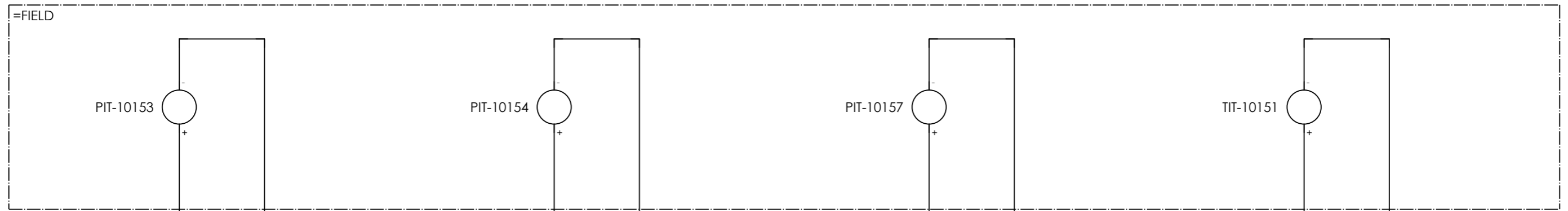


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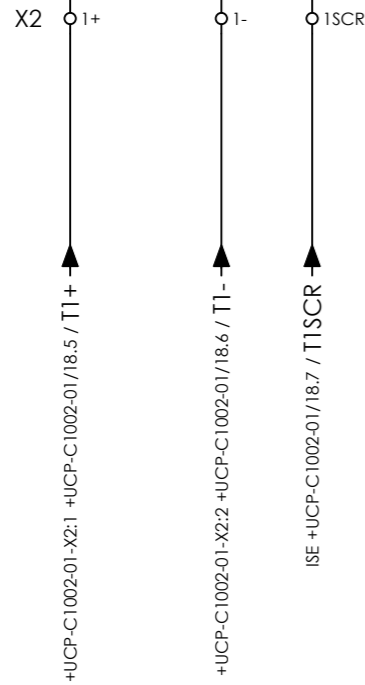
SUBJECT TERMINAL STRIP DEFINITION	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

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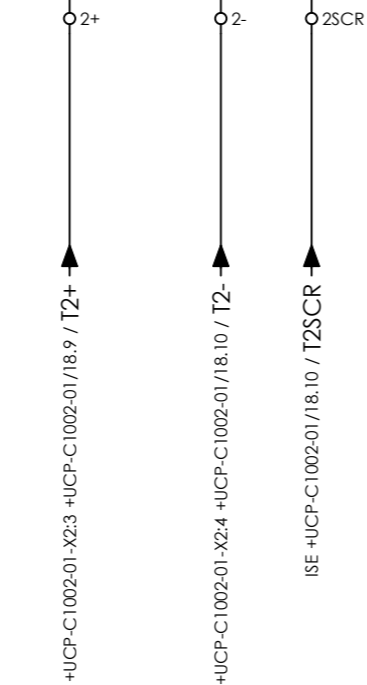


PIT-10153
1Px1.5 mm²



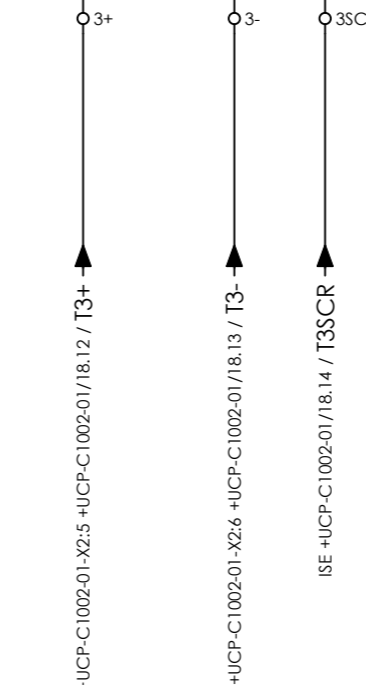
COMPRESSOR A
INLET PRESSURE
PIT-10153

PIT-10154
1Px1.5 mm²



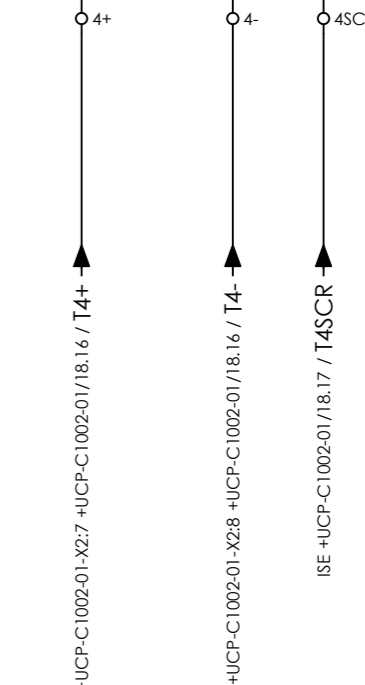
COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-10154

PIT-10157
1Px1.5 mm²



COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10157

TIT-10151
1Px1.5 mm²



COMPRESSOR A
INLET TEMPERATURE
TIT-10151

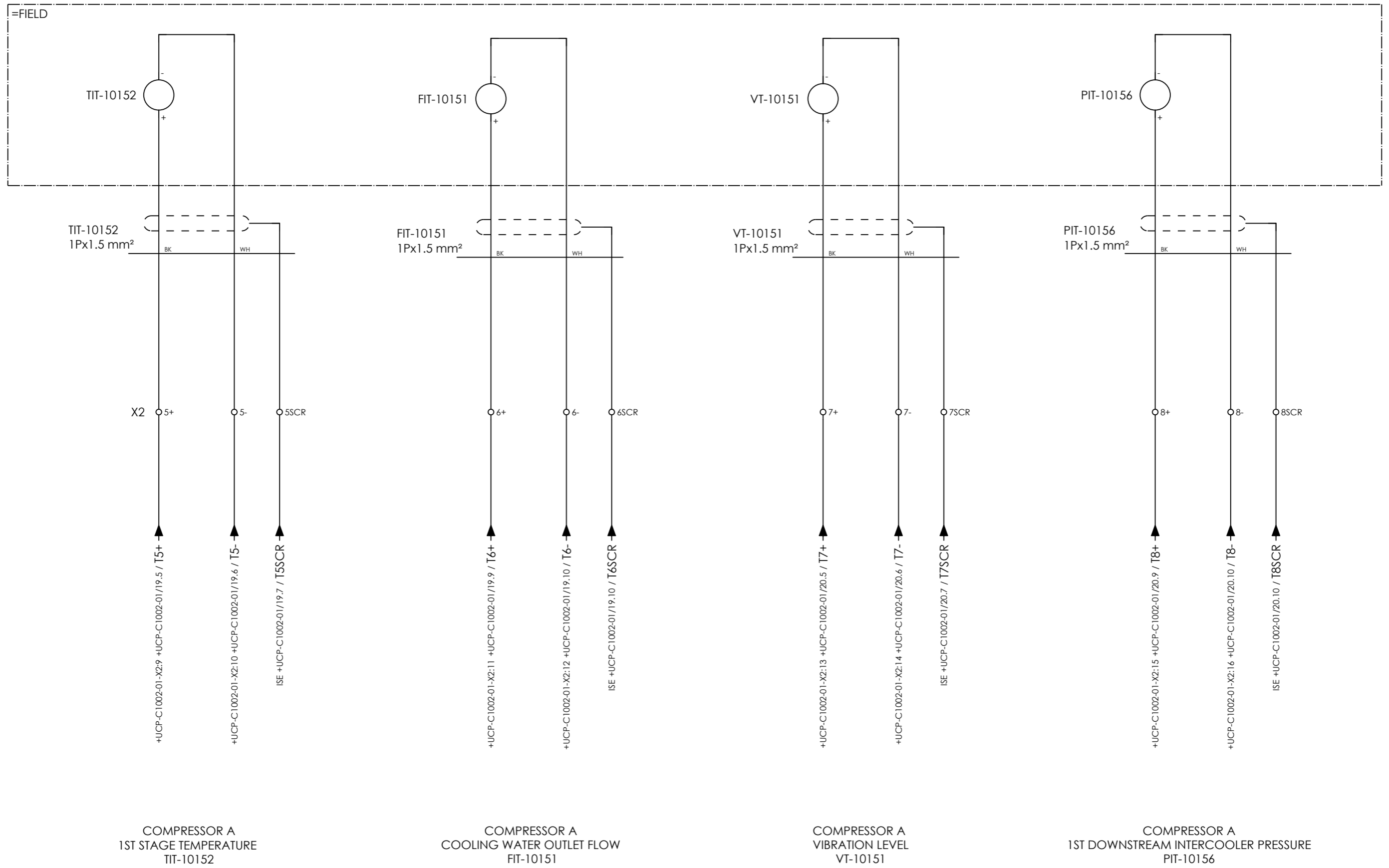


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COMPRESSOR A
1ST STAGE TEMPERATURE
TIT-10152

COMPRESSOR A
COOLING WATER OUTLET FLOW
FIT-10151

COMPRESSOR A
VIBRATION LEVEL
VT-10151

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10156



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PIT-10158
1Px1.5 mm²
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 mm²
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 mm²
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 mm²
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

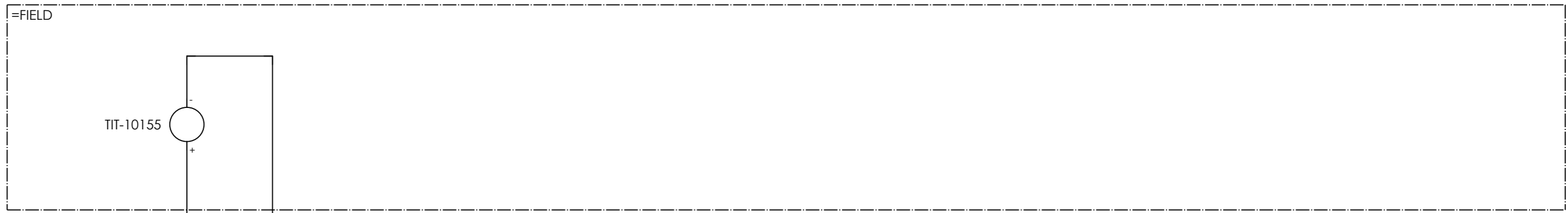


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TIT-10155
1Px1.5 mm²

X2 13+

13-

13SCR

14+

14-

14SCR

15+

15-

15SCR

16+

16-

16SCR

↑

↑

↑

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+UCP-C1002-01-X2:25 +UCP-C1002-01/22.5 / T13+

+UCP-C1002-01-X2:26 +UCP-C1002-01/22.6 / T13-

ISE +UCP-C1002-01/22.6 / T13SCR

+UCP-C1002-01-X2:27 +UCP-C1002-01/22.8 / T14+

+UCP-C1002-01-X2:28 +UCP-C1002-01/22.9 / T14-

ISE +UCP-C1002-01/22.10 / T14SCR

29 +UCP-C1002-01/22.12 / T15+

30 +UCP-C1002-01/22.13 / T15-

ISE +UCP-C1002-01/22.13 / T15SCR

31 +UCP-C1002-01/22.15 / T16+

32 +UCP-C1002-01/22.16 / T16-

ISE +UCP-C1002-01/22.17 / T16SCR

COMPRESSOR A
2ND UPSTREAM INTERCOOLER
TEMPERATURE
TIT-10155

SPARE

SPARE

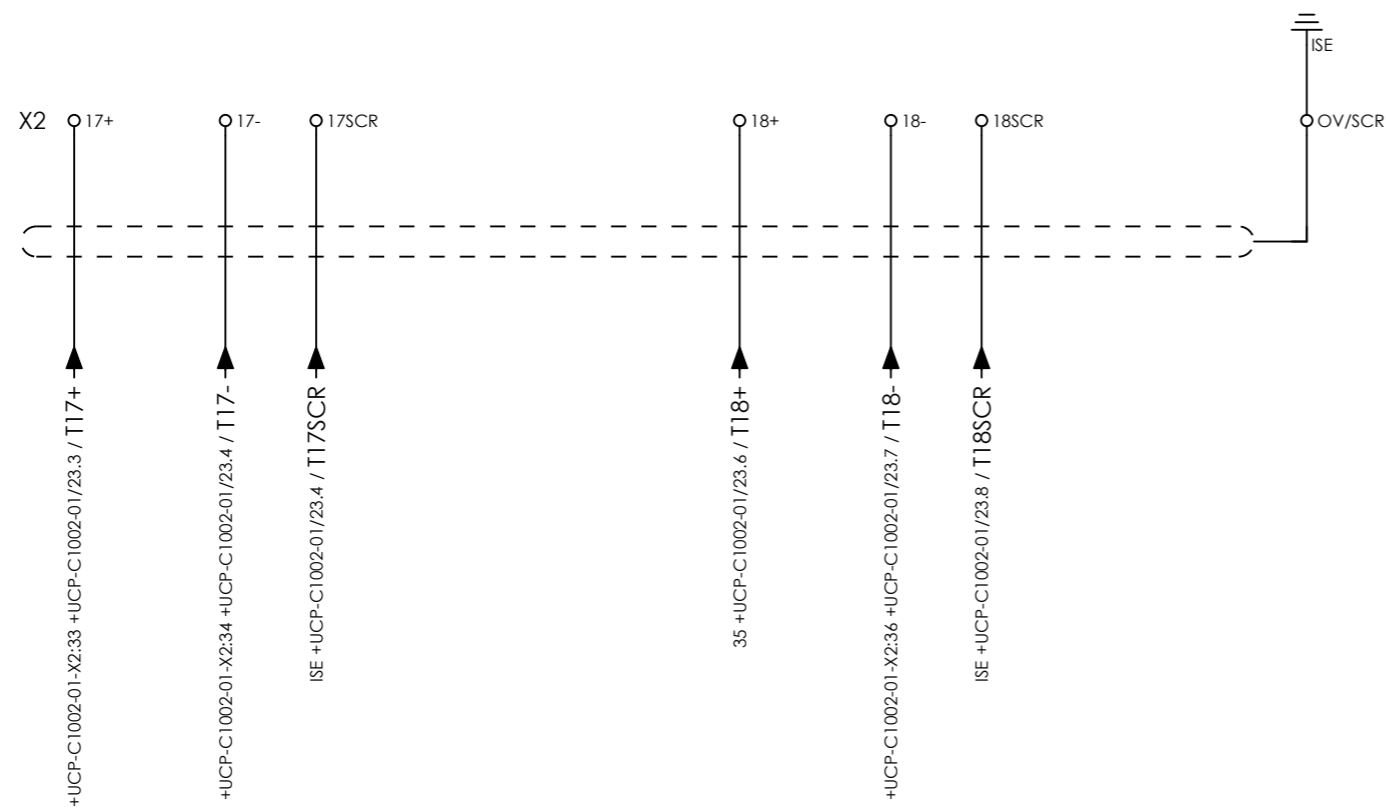
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SPARE

SPARE

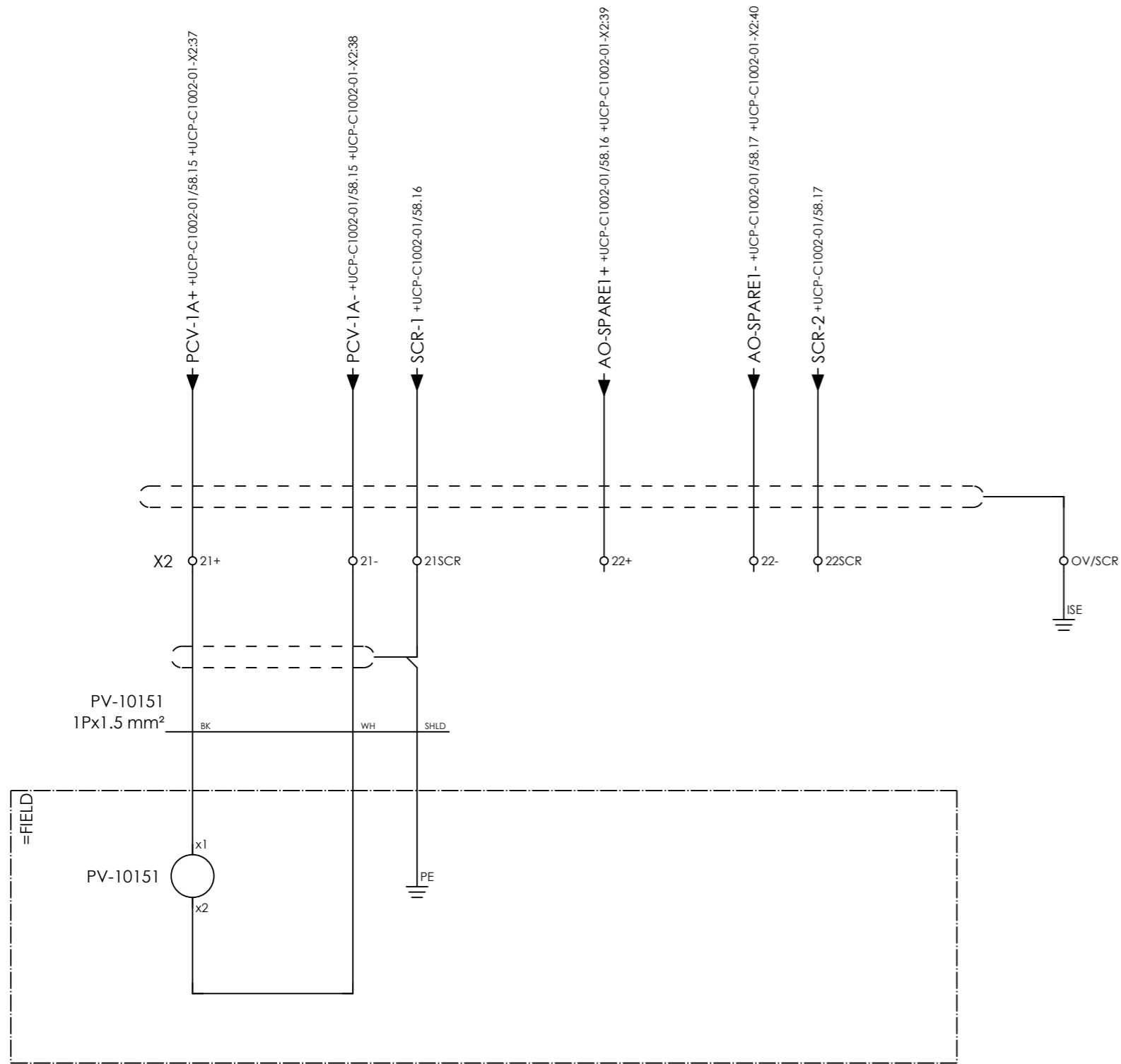


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COMPRESSOR A
OUTLET
CONTROL VALVE
PV-10151

SPARE



CLIENT DWG NO.	
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SUBJECT CONNECTION CONTROL VALVE	
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AIRPACK REF.	17811-05A

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REVISION	
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Terminal diagram

Cable name		Strip =20-C-1002+JAX-C1002-01-X2 CONNECTION TRANSMITTERS AND CONTROL VALVE																
Cable name		Connection point	Target designation	Jumper	Terminal	Connection point	Target designation											
-TIT-10152	1Px1.5 mm²																	
-TIT-10151	1Px1.5 mm²																	
-PIT-10157	1Px1.5 mm²																	
-PIT-10154	1Px1.5 mm²																	
-PIT-10153	1Px1.5 mm²																	
		SHLD																



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+JAX-C1002-01-X2

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CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-05A

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 AIRPACK DWG NO. 17811-05
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Terminal diagram

Cable name			Strip =20-C-1002+JIAX-C1002-01-X2 CONNECTION TRANSMITTERS AND CONTROL VALVE											Cable name						
Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	
-FIT-10151		SHLD		-FT-10001		6SCR	.			ISE										
-VT-10151		SHLD		=FIELD-VT-10151	+	7+	.			13										
-PIT-10156		SHLD		=FIELD-VT-10151	-	7-	.			14										
-PIT-10158		SHLD		-VT-10001		7SCR	.			ISE										
-PIT-10159		SHLD		=FIELD-PIT-10156	+	8+	.			15										
		SHLD		=FIELD-PIT-10156	-	8-	.			16										
		SHLD		-TIT-10001		8SCR	.			ISE										
		SHLD		=FIELD-PIT-10158	+	9+	.			17										
		SHLD		=FIELD-PIT-10158	-	9-	.			18										
		SHLD		-TIT-10001		9SCR	.			ISE										
		SHLD		=FIELD-PIT-10159	+	10+	.			19										
		SHLD		=FIELD-PIT-10159	-	10-	.			20										
		SHLD		-TIT-10002		10SCR	.			ISE										
		SHLD		=FIELD-TIT-10153	+	11+	.			21										
		SHLD		=FIELD-TIT-10153	-	11-	.			22										



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
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SUBJECT Terminal diagram =20-C-1002+JIAX-C1002-01-X2	
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AIRPACK REF.	17811-05A

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AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	91	

Terminal diagram

Cable name		Strip =20-C-1002+JAX-C1002-01-X2 CONNECTION TRANSMITTERS AND CONTROL VALVE											Cable name		
Cable name		Connection point	Target designation	Jumper	Terminal	Connection point	Target designation					Connection point	Target designation		
+UCP-C1002-01-TR_COMA	20Px0,75 mm²	ISE		.	11SCR		-FT-10001								
-PV-10151	1Px1.5 mm²	23	+UCP-C1002-01-X2	.	12+	+	=FIELD-TIT-10154								
		24	+UCP-C1002-01-X2	.	12-	-	=FIELD-TIT-10154								
		ISE		.	12SCR		-VT-10001								
		25	+UCP-C1002-01-X2	.	13+	+	=FIELD-TIT-10155								
		26	+UCP-C1002-01-X2	.	13-	-	=FIELD-TIT-10155								
		ISE		.	13SCR		-TIT-10001								
		27	+UCP-C1002-01-X2	.	14+										
		28	+UCP-C1002-01-X2	.	14-										
		ISE		.	14SCR										
		29		.	15+										
		30		.	15-										
		ISE		.	15SCR										
		31		.	16+										
		32		.	16-										
		ISE		.	16SCR										
		33	+UCP-C1002-01-X2	.	17+										
		34	+UCP-C1002-01-X2	.	17-										
		ISE		.	17SCR										
		35		.	18+										
		36	+UCP-C1002-01-X2	.	18-										
		ISE		.	18SCR										
				.	OV/SCR	ISE									
				.	OV/SCR										
		x1	=FIELD-PV-10151	.	21+	37	+UCP-C1002-01-X2				37				
		x2	=FIELD-PV-10151	.	21-	38	+UCP-C1002-01-X2				38				
		PE		.	21SCR	ISE									
	SHLD			.	22SCR	ISE									
				.	22+	39	+UCP-C1002-01-X2				39				
				.	22-	40	+UCP-C1002-01-X2				40				
				.											
				.											

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SUBJECT	
Terminal diagram =20-C-1002+JAX-C1002-01-X2	
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TERMINAL STRIP DEFINITION

LOCAL CONTROL PANEL
LP-C1002-01

X5 = CONNECTION PUSHBUTTONS AND LAMPS
X9 = CONNECTION ESD BUTTON

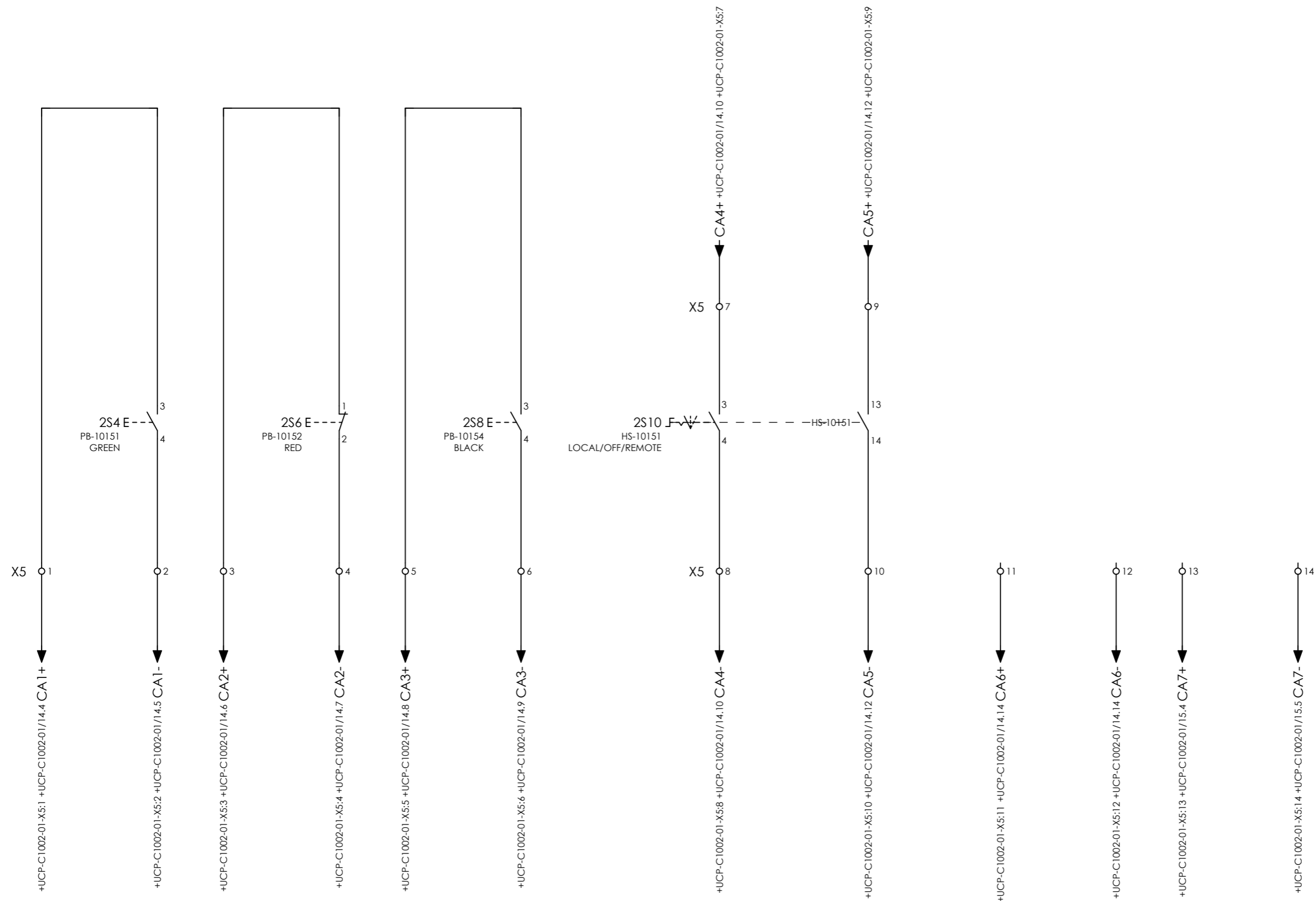


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COMPRESSOR A
START
PB-10151

COMPRESSOR A
STOP
PB-10152

COMPRESSOR A
LAMPTEST
PB-10154

COMPRESSOR A
LOCAL
HS-10151

COMPRESSOR A
REMOTE
HS-10151

SPARE

SPARE



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
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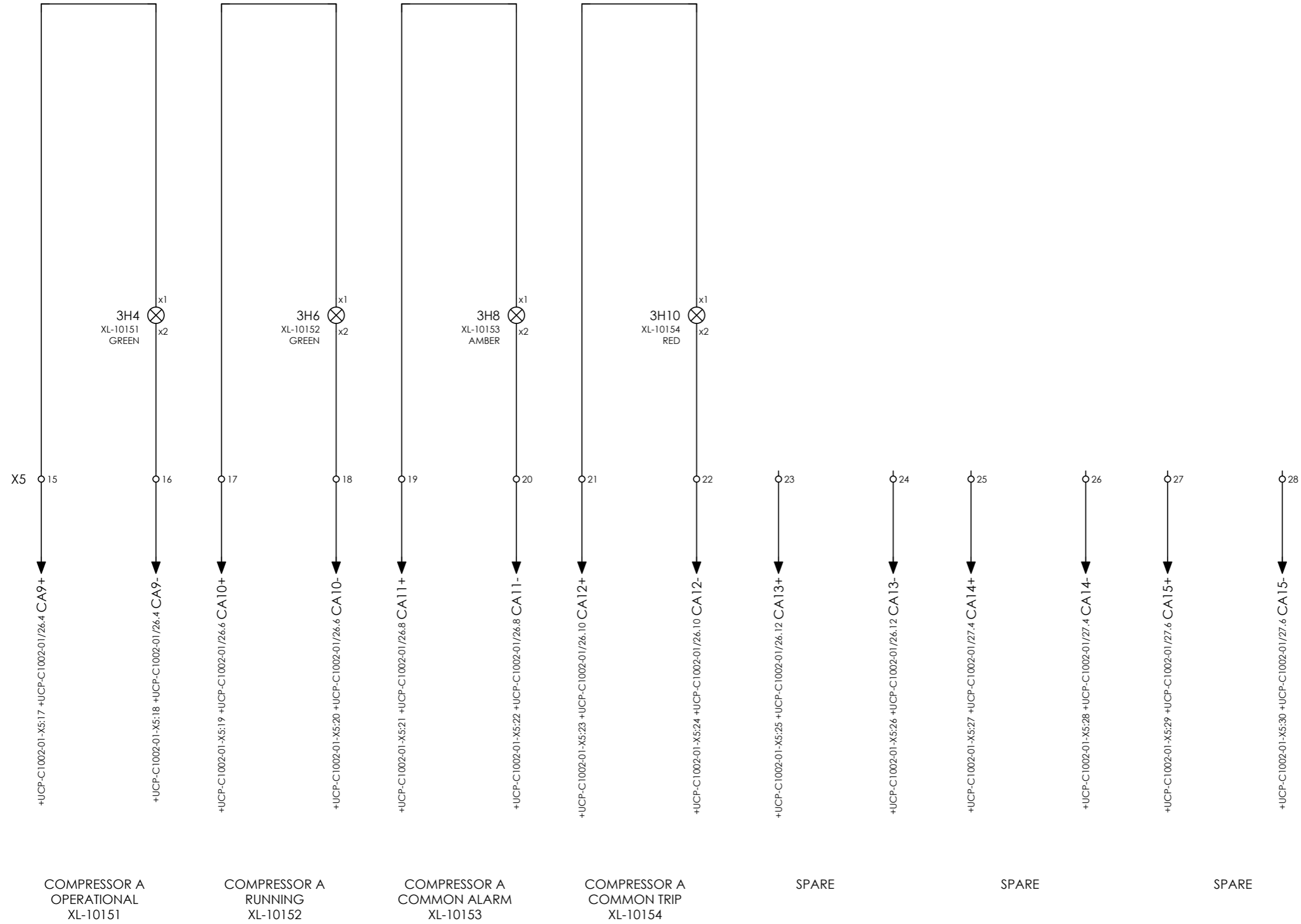
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SUBJECT
CONNECTION PUSHBUTTONS

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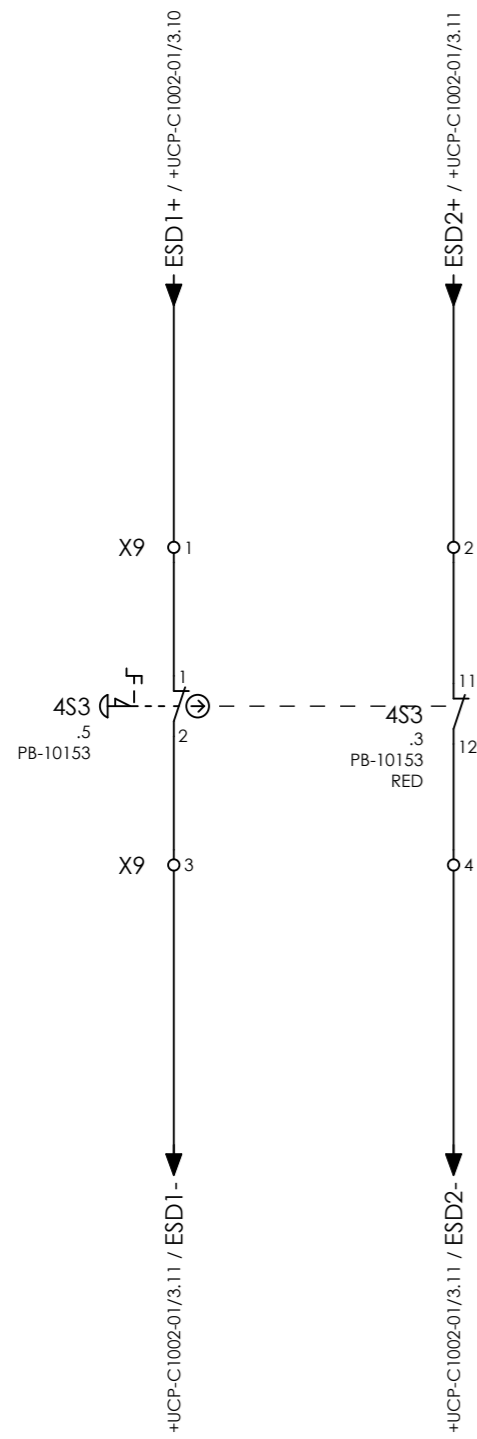


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SUBJECT CONNECTION LAMPS	
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COMPRESSOR A
ESD BUTTON
PB-10153



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Terminal diagram

Cable name		Strip =20-C-1002+LP-C1002-01-X5 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		+UCP-C1002-01-LCP_COMA	15Px0,75 mm²	
+UCP-C1002-01-X5	2	2	.	-2S4	4				
+UCP-C1002-01-X5	3	3	.	-2S6	1				
+UCP-C1002-01-X5	4	4	.	-2S6	2				
+UCP-C1002-01-X5	5	5	.	-2S8	3				
+UCP-C1002-01-X5	6	6	.	-2S8	4				
-2S10	3	7	.	+UCP-C1002-01-X5	7			7	
+UCP-C1002-01-X5	8	8	.	-2S10	4				
-2S10	13	9	.	+UCP-C1002-01-X5	9			9	
+UCP-C1002-01-X5	10	10	.	-2S10	14				
+UCP-C1002-01-X5	11	11	.						
+UCP-C1002-01-X5	12	12	.						
+UCP-C1002-01-X5	13	13	.						
+UCP-C1002-01-X5	14	14	.						
+UCP-C1002-01-X5	17	15	.	-3H4	x1				
+UCP-C1002-01-X5	18	16	.	-3H4	x2				
+UCP-C1002-01-X5	19	17	.	-3H6	x1				
+UCP-C1002-01-X5	20	18	.	-3H6	x2				
+UCP-C1002-01-X5	21	19	.	-3H8	x1				
+UCP-C1002-01-X5	22	20	.	-3H8	x2				
+UCP-C1002-01-X5	23	21	.	-3H10	x1				
+UCP-C1002-01-X5	24	22	.	-3H10	x2				
+UCP-C1002-01-X5	25	23	.						
+UCP-C1002-01-X5	26	24	.						
+UCP-C1002-01-X5	27	25	.						
+UCP-C1002-01-X5	28	26	.						
+UCP-C1002-01-X5	29	27	.						
+UCP-C1002-01-X5	30	28	.						



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SUBJECT Terminal diagram =20-C-1002+LP-C1002-01-X5
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 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 04
 TOTAL PAGE AMOUNT 97

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

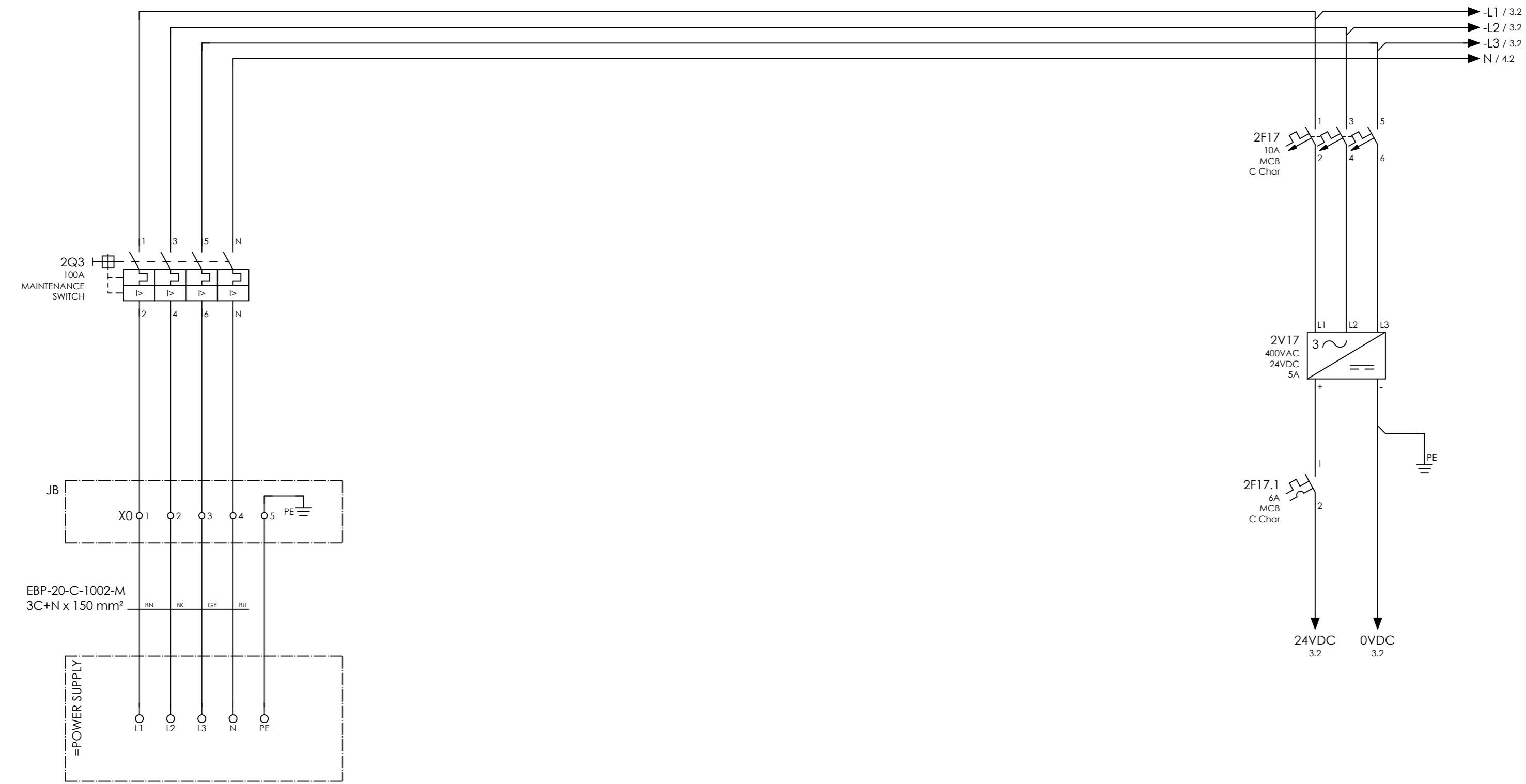
POWER DISTRIBUTION BOARD PD-C-1002-01

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.		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		LAST MODIFICATION DATE	29-6-2022	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.		
		CLIENT REF.	Bushehr MEG Plant Project	REVISION		
		AIRPACK REF.	17811-05A	PAGE NUMBER	94	



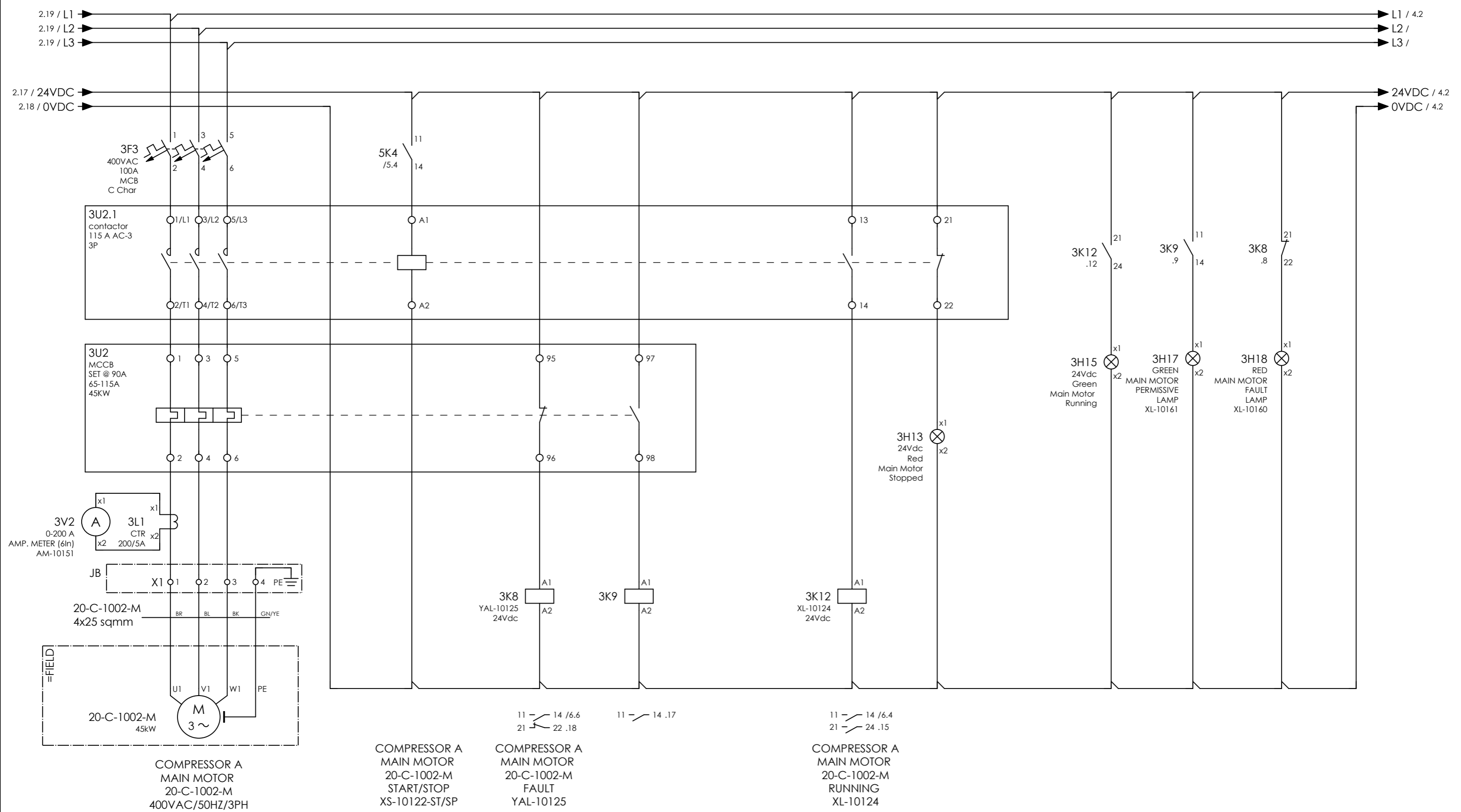
POWER SUPPLY
FROM CUSTOMER
400VAC/50HZ/3PH/N/PE

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



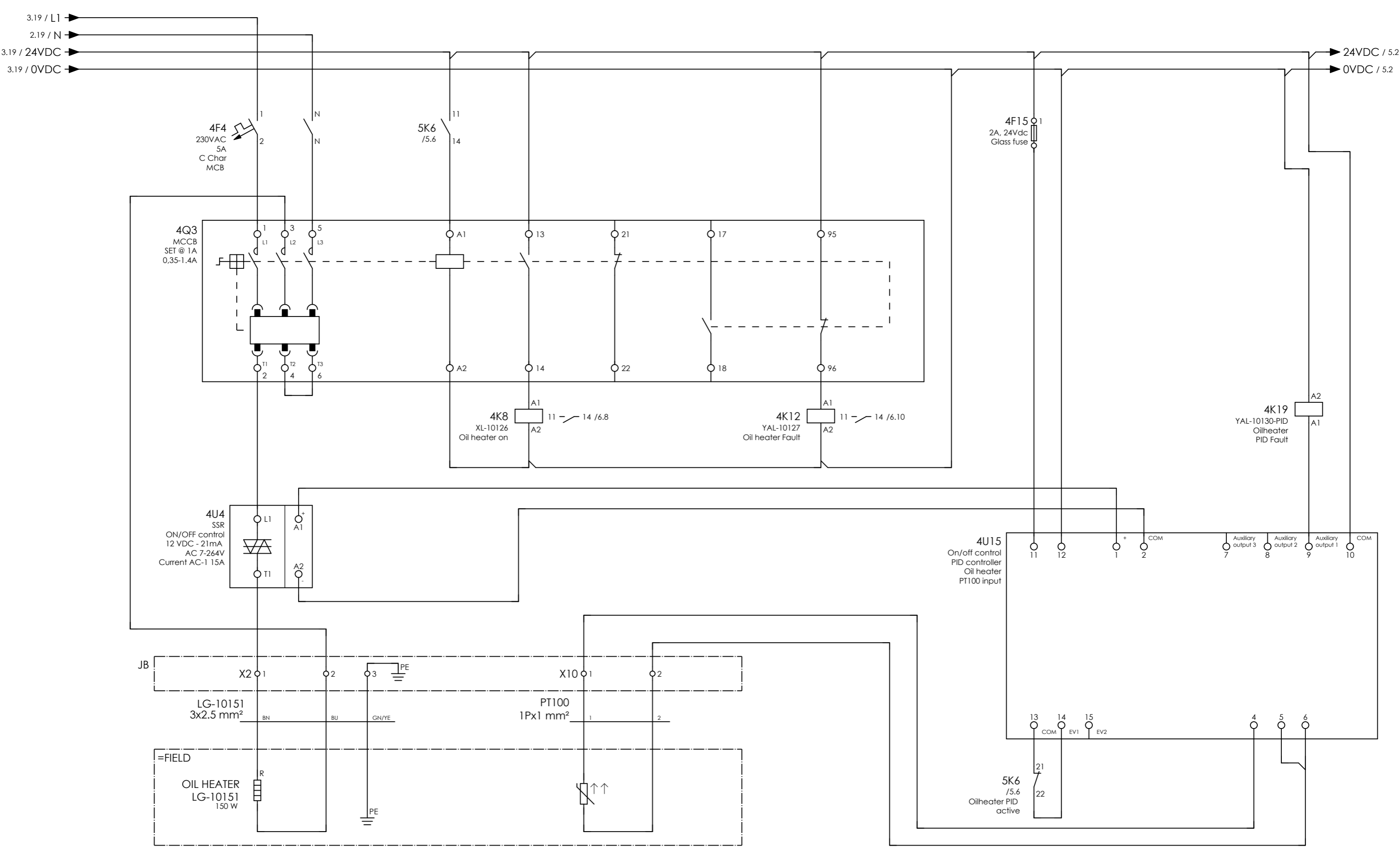
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT POWER SUPPLY	
EQUIPMENT NO.	20-C-1002	ADAPTED TO P&ID REVISION	04
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Bushehr Petrochemical Company (BUPC)
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		AIRPACK REF.	17811-05A

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CHECKED BY	RBE	+ PD-C-1002-01
LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	100	



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	MAIN MOTOR
EQUIPMENT NO.	20-C-1002	ADAPTED TO P&ID REVISION	04
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	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
TOTAL PAGE AMOUNT	101	



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

11 - 14 /6.13

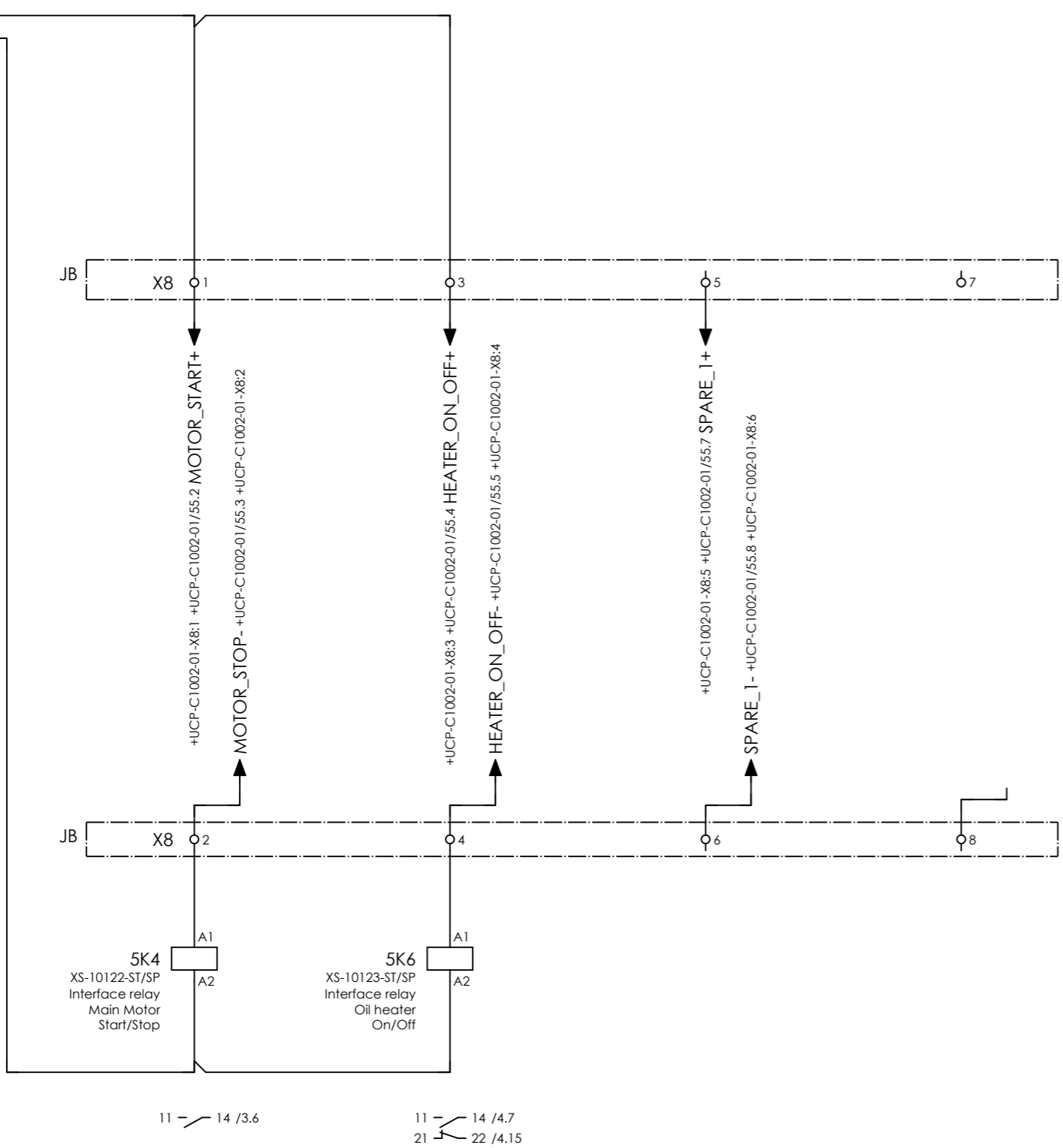


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT OIL HEATER	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ PD-C-1002-01
LAST MODIFICATION DATE	29-6-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	04	
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

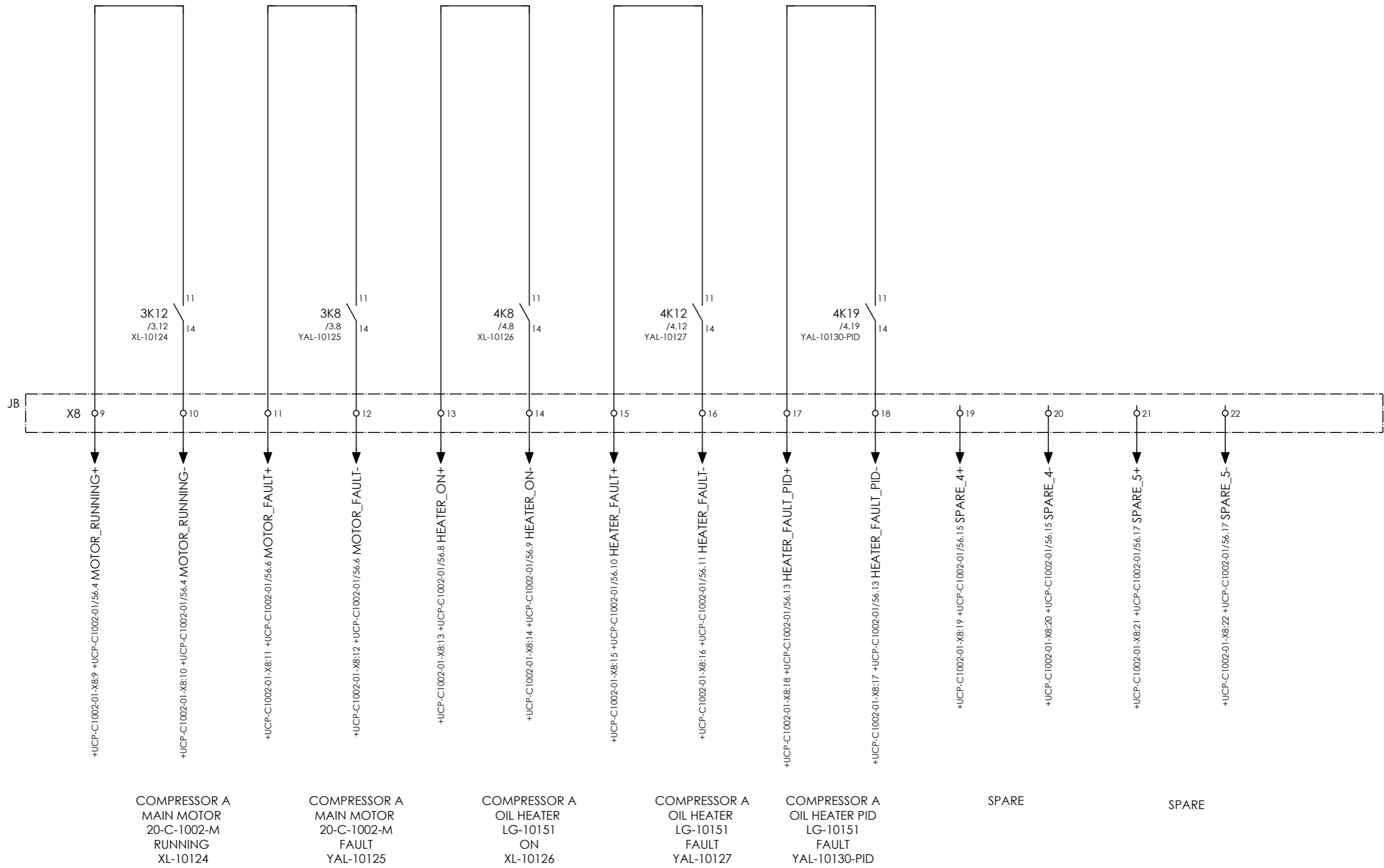


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT SIGNALS FROM UCP	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	103

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+ PD-C-1002-01
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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
ON
XL-10126

COMPRESSOR A
OIL HEATER
LG-10151
FAULT
YAL-10127

COMPRESSOR A
OIL HEATER PID
LG-10151
FAULT
YAL-10130-PID

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 SIGNALS TO UCP	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	29-6-2022
AIRPACK DWG NO.	17811-05
REVISION	04
TOTAL PAGE AMOUNT	104

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+ PD-C-1002-01
CURRENT PAGE

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



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+PD-C-1002-01-X1
 ADAPTED TO P&ID REVISION 04
 CLIENT Bushehr Petrochemical Company (BUPC)
 CLIENT REF. Bushehr MEG Plant Project
 AIRPACK REF. 17811-05A

DRAWN BY MaGo
 CHECKED BY RBE
 LAST MODIFICATION DATE 29-6-2022
 AIRPACK DWG NO. 17811-05
 REVISION 04
 TOTAL PAGE AMOUNT 106

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

Cable name	Strip =20-C-1002+PD-C-1002-01-X2 OIL HEATER						Cable name																			
	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point																				
-LG-10151	=FIELD-OIL HEATER LG-10151	R	1	.	-4U4	T1																				
3x2.5 mm ²	=FIELD-OIL HEATER LG-10151	PE	2	.	-4Q3	3																				
BN			3	.	-X2	PE																				
BU																										
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		DRAWN BY		MaGo	
Terminal diagram =20-C-1002+PD-C-1002-01-X2		CHECKED BY		RBE	
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE		29-6-2022	
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.		17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION		04	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT		107	

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

Terminal diagram

Cable name		Strip											Cable name	
=20-C-1002+PD-C-1002-01-X8		SIGNALS TO / FROM UCP												
Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	
+UCP-C1002-01-X8	1	1	•	-4U15	10			XS-10122-ST/SP	10					
+UCP-C1002-01-X8	2	2	•	-5K4	A1			XS-10122-ST/SP	A1					
+UCP-C1002-01-X8	3	3	•					XS-10123-ST/SP						
+UCP-C1002-01-X8	4	4	•	-5K6	A1			XS-10123-ST/SP	A1					
+UCP-C1002-01-X8	5	5	•											
+UCP-C1002-01-X8	6	6	•											
		7	•											
		8	•											
+UCP-C1002-01-X8	9	9	•	-3K12	11			XL-10124	11					
+UCP-C1002-01-X8	10	10	•	-3K12	14			XL-10124	14					
+UCP-C1002-01-X8	11	11	•	-3K8	11			YAL-10125	11					
+UCP-C1002-01-X8	12	12	•	-3K8	14			YAL-10125	14					
+UCP-C1002-01-X8	13	13	•	-4K8	11			XL-10126	11					
+UCP-C1002-01-X8	14	14	•	-4K8	14			XL-10126	14					
+UCP-C1002-01-X8	15	15	•	-4K12	11			YAL-10127	11					
+UCP-C1002-01-X8	16	16	•	-4K12	14			YAL-10127	14					
+UCP-C1002-01-X8	18	17	•	-4K19	11			YAL-10130-PID	11					
+UCP-C1002-01-X8	17	18	•	-4K19	14			YAL-10130-PID	14					
+UCP-C1002-01-X8	19	19	•											
+UCP-C1002-01-X8	20	20	•											
+UCP-C1002-01-X8	21	21	•											
+UCP-C1002-01-X8	22	22	•											

