







OWNER:  شرکت سست و سویی توستر ایران (سهامی خاص)	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								
MC:  شرکت سست و سویی توستر ایران (سهامی خاص)							Project	Area	Phase
Owner Document Number: 17811-05A	BU	20	VD	303	IN	DIG	0043	Rev.:	Page
								03	1 of 114

- Please confirm that after FAT minimum of 20 % **installed** spare in all respects shall be available for future.
- Instead of PID controller please consider one analog output card in your PLC to control PV-10151, when you have PLC, using PID controller is not accepted.
- Please clarify about wiring diagram for HS-10120-R
- BOM of UCP/LCP/JBs are not specified in any other document so all component shall be specified same as below table in this document.

Component list

Tag	Quantity	Designation	Type number	Manufacturer	Manufacturer part number
-10K1	1	Relay module	TRS 230VAC RC 2CO AU	WEIDMÜLLER	1123810000

UCP/LCP/JB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER

 شرکت پتروشیمی اوشهر گروه صنعت و سویی توسعه انرژیهای	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	CM	
Next Status : IFC,IFA,IFI,AFC,AB	IFA	
Responsible Department	MECHANICAL	
Commented Date	6/14/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

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



Airpack B.V.

4301 RN Zierikzee
The Netherlands

PHONE: (31) (0) 111 - 415455

FAX: (31) (0) 111 - 413338

E-MAIL : AIRPACK@AIRPACK.NL

WEBPAGE : WWW.AIRPACK.NL

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	Revision no. : 03
Last modifications	:	30-5-2022	
Last modifications by	:	MaGo	



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 Title page / cover sheet	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	1

=
+
CURRENT PAGE

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



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		=	
Project description		CHECKED BY		RBE		+	
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE		10-5-2022		CURRENT PAGE	
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.		17811-05			
CLIENT REF.	Bushehr MEG Plant Project	REVISION		03			
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT		2			

Table of contents

Page	Page description	Supplementary page field	Date	Edited by
/1	Title page / cover sheet	1	4-5-2022	MaGo
/2	Project description	2	18-5-2022	MaGo
/3	Table of contents : /1 - =20-C-1002+UCP-C1002-01/21	3	30-5-2022	mgoeman
/4	Table of contents : =20-C-1002+UCP-C1002-01/22 - =20-C-1002+UCP-C1002-01/54	4	30-5-2022	mgoeman
/5	Table of contents : =20-C-1002+UCP-C1002-01/55 - =20-C-1002+LP-C1002-01/4	5	30-5-2022	mgoeman
/6	Table of contents : =20-C-1002+LP-C1002-01/5 - =20-C-1002+PD-C-1002-01/11		30-5-2022	mgoeman
/7	Device tag list : =+UCP-C1002-01-2TH11 - =+UCP-C1002-01-2TH13	6	25-5-2022	mgoeman
/8	Device tag list : =20-C-1002+UCP-C1002-01-8A9 - =20-C-1002+UCP-C1002-01-28K4	7	30-5-2022	mgoeman
/9	Device tag list : =20-C-1002+UCP-C1002-01-28K6 - =20-C-1002+UCP-C1002-01-6M19	8	30-5-2022	mgoeman
/10	Device tag list : =20-C-1002+UCP-C1002-01-7M4 - =20-C-1002+UCP-C1002-01-9U7	9	25-5-2022	mgoeman
/11	Device tag list : =20-C-1002+UCP-C1002-01-9U14 - =20-C-1002+PD-C-1002-01-2F17	10	25-5-2022	mgoeman
/12	Device tag list : =20-C-1002+PD-C-1002-01-2F17.1 - =20-C-1002+PD-C-1002-01-3V2	11	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/1	TERMINAL STRIP DEFINITION	12	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/2	POWER SUPPLY	13	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/3	EMERGENCY SHUTDOWN	14	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/4	SOLENOIDS	15	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/5	PLC LAYOUT	16	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/6	IO RACK I	17	18-5-2022	MaGo
=20-C-1002+UCP-C1002-01/7	IO RACK II	18	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/8	DISPLAY	19	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/9	LOOP SPLITTERS	20	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/10	DIGITAL INPUTS I [6M7]	21	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/11	DIGITAL INPUTS I [6M7]	22	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/12	DIGITAL INPUTS I [6M7]	23	12-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/13	DIGITAL INPUTS I [6M7]	24	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/14	DIGITAL INPUTS I [6M9]	25	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/15	DIGITAL INPUTS I [6M9]	26	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/16	DIGITAL INPUTS I [6M9]	27	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/17	DIGITAL INPUTS I [6M9]	28	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/18	ANALOG INPUTS I [6M10]	29	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/19	ANALOG INPUTS I [6M10]	30	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/20	ANALOG INPUTS I [6M12]	31	12-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/21	ANALOG INPUTS I [6M12]	32	10-5-2022	MaGo



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	Table of contents : /1 - =20-C-1002+UCP-C1002-01/21	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	10-5-2022	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	03		
			TOTAL PAGE AMOUNT	3		

Table of contents

Page	Page description	Supplementary page field	Date	Edited by
=20-C-1002+UCP-C1002-01/22	ANALOG INPUTS I [6M14]	33	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/23	ANALOG INPUTS I [6M14]	34	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/24	DIGITAL OUTPUTS I [6M15]	35	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/25	DIGITAL OUTPUTS I [6M15]	36	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/26	DIGITAL OUTPUTS I [6M16]	37	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/27	DIGITAL OUTPUTS I [6M16]	38	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/28	DIGITAL OUTPUTS I [6M18]	39	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/29	DIGITAL OUTPUTS I [6M18]	40	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/30	DIGITAL OUTPUTS I [6M19]	41	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/31	DIGITAL OUTPUTS I [6M19]	42	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/32	EMPTY PAGE	43	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/33	DIGITAL INPUTS II [7M7]	44	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/34	DIGITAL INPUTS II [7M7]	45	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/35	DIGITAL INPUTS II [7M7]	46	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/36	DIGITAL INPUTS II [7M7]	47	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/37	DIGITAL INPUTS II [7M9]	48	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/38	DIGITAL INPUTS II [7M9]	49	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/39	DIGITAL INPUTS II [7M9]	50	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/40	DIGITAL INPUTS II [7M9]	51	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/41	ANALOG INPUTS II [7M10]	52	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/42	ANALOG INPUTS II [7M10]	53	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/43	ANALOG INPUTS II [7M12]	54	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/44	ANALOG INPUTS II [7M12]	55	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/45	ANALOG INPUTS II [7M14]	56	10-5-2022	MaGo
=20-C-1002+UCP-C1002-01/46	ANALOG INPUTS II [7M14]	57	10-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/47	DIGITAL OUTPUTS II [7M15]	58	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/48	DIGITAL OUTPUTS II [7M15]	59	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/49	DIGITAL OUTPUTS II [7M16]	60	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/50	DIGITAL OUTPUTS II [7M16]	61	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/51	DIGITAL OUTPUTS II [7M18]	62	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/52	DIGITAL OUTPUTS II [7M18]	63	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/53	DIGITAL OUTPUTS II [7M19]	64	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/54	DIGITAL OUTPUTS II [7M19]	65	25-5-2022	mgoeman



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	
Table of contents : =20-C-1002+UCP-C1002-01/22 - =20-C-1002+UCP-C1002-01/54	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	4

=	
+	
CURRENT PAGE	
4	

Table of contents

Page	Page description	Supplementary page field	Date	Edited by
=20-C-1002+UCP-C1002-01/55	SIGNALS TO DISTRIBUTION BOARD	66	25-5-2022	MaGo
=20-C-1002+UCP-C1002-01/56	SIGNALS FROM DISTRIBUTION BOARD	67	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/57	SIGNALS TO ESD AND FROM FCS	68	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/58	PID CONTROL FLOW VALVE	69	30-5-2022	MaGo
=20-C-1002+UCP-C1002-01/59	Terminal diagram =20-C-1002+UCP-C1002-01-X0	70	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/60	Terminal diagram =20-C-1002+UCP-C1002-01-X1	71	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/61	Terminal diagram =20-C-1002+UCP-C1002-01-X2	72	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/62	Terminal diagram =20-C-1002+UCP-C1002-01-X2	73	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/63	Terminal diagram =20-C-1002+UCP-C1002-01-X4	74	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/64	Terminal diagram =20-C-1002+UCP-C1002-01-X5	75	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/65	Terminal diagram =20-C-1002+UCP-C1002-01-X5	76	30-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/66	Terminal diagram =20-C-1002+UCP-C1002-01-X8	77	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/67	Terminal diagram =20-C-1002+UCP-C1002-01-X9	78	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/68	Terminal diagram =20-C-1002+UCP-C1002-01-X10	79	25-5-2022	mgoeman
=20-C-1002+UCP-C1002-01/69	Terminal diagram =20-C-1002+UCP-C1002-01-X11	80	25-5-2022	mgoeman
=20-C-1002+JNDX-C1002-01/1	TERMINAL STRIP DEFINITION	81	4-5-2022	MaGo
=20-C-1002+JNDX-C1002-01/2	CONNECTION SOLENOIDS	82	18-5-2022	MaGo
=20-C-1002+JNDX-C1002-01/3	Terminal diagram =20-C-1002+JNDX-C1002-01-X1	83	25-5-2022	mgoeman
=20-C-1002+JIAX-C1002-01/1	TERMINAL STRIP DEFINITION	84	30-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/2	CONNECTION TRANSMITTERS	85	9-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/3	CONNECTION TRANSMITTERS	86	25-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/4	CONNECTION TRANSMITTERS	87	10-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/5	CONNECTION TRANSMITTERS	88	10-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/6	CONNECTION TRANSMITTERS	89	10-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/7	CONNECTION CONTROL VALVE	90	30-5-2022	MaGo
=20-C-1002+JIAX-C1002-01/8	Terminal diagram =20-C-1002+JIAX-C1002-01-X2	91	30-5-2022	mgoeman
=20-C-1002+JIAX-C1002-01/9	Terminal diagram =20-C-1002+JIAX-C1002-01-X2	92	30-5-2022	mgoeman
=20-C-1002+JIAX-C1002-01/10	Terminal diagram =20-C-1002+JIAX-C1002-01-X2	93	30-5-2022	mgoeman
=20-C-1002+JIAX-C1002-01/11	Terminal diagram =20-C-1002+JIAX-C1002-01-X2	94	30-5-2022	mgoeman
=20-C-1002+LP-C1002-01/1	TERMINAL STRIP DEFINITION	95	4-5-2022	MaGo
=20-C-1002+LP-C1002-01/2	CONNECTION PUSHBUTTONS	96	10-5-2022	MaGo
=20-C-1002+LP-C1002-01/3	CONNECTION LAMPS	97	10-5-2022	MaGo
=20-C-1002+LP-C1002-01/4	CONNECTION ESD BUTTON	98	10-5-2022	MaGo





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 Table of contents : =20-C-1002+UCP-C1002-01/55 - =20-C-1002+LP-C1002-01/4	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	5

=	
+	
CURRENT PAGE	5

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
+UCP-C1002-01-2TH11		SET@40°C	
+UCP-C1002-01-2TH13		SET@10°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
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	7

=
+
CURRENT PAGE

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-C1002-01-2F13		230VAC 4A 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	

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-5F11		24VDC 6A	
=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	COMPRESSOR A FORCED SHUTDOWN	24Vdc	
=20-C-1002+UCP-C1002-01-28K4	COMPRESSOR A SOLENOID VALVE XY-10151	24Vdc	

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-28K6	COMPRESSOR A SOLENOID VALVE XY-10152	24Vdc	
=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	24Vdc	
=20-C-1002+UCP-C1002-01-30K4	COMPRESSOR A MAIN MOTOR 20-M-1002 START/STOP	24Vdc	
=20-C-1002+UCP-C1002-01-30K6	COMPRESSOR A OIL HEATER LG-10151 ON/OFF	24Vdc	
=20-C-1002+UCP-C1002-01-30K10		24Vdc	
=20-C-1002+UCP-C1002-01-57K12		24Vdc	
=20-C-1002+UCP-C1002-01-2M11			

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-5M2	PLC POWER SUPPLY		
=20-C-1002+UCP-C1002-01-5M3	S7-400 CPU		
=20-C-1002+UCP-C1002-01-5M11	PLC POWER SUPPLY		
=20-C-1002+UCP-C1002-01-5M12	S7-400 CPU		
=20-C-1002+UCP-C1002-01-6M4	CP 343-1		
=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

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

SUBJECT	
Device tag list : =20-C-1002+UCP-C1002-01-28K6 - =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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	9

=
+
CURRENT PAGE

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-7M4	CP 343-1		
=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	

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-11S3	GREEN		
=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			



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	
Device tag list : =20-C-1002+UCP-C1002-01-7M4 - =20-C-1002+UCP-C1002-01-9U7	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	10

=
+
CURRENT PAGE

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+UCP-C1002-01-9U14			
=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	

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+LP-C1002-01-3H6		GREEN	
=20-C-1002+LP-C1002-01-3H8		AMBER	
=20-C-1002+LP-C1002-01-3H10		RED	
=20-C-1002+LP-C1002-01-2S4		GREEN	
=20-C-1002+LP-C1002-01-2S6		RED	
=20-C-1002+LP-C1002-01-2S8		BLACK	
=20-C-1002+LP-C1002-01-2S10		LOCAL/OFF/REMOTE	
=20-C-1002+LP-C1002-01-4S3		Red	
=20-C-1002+PD-C-1002-01-2F17		10A MCB C Char	

DEVICE TAG LIST

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+PD-C-1002-01-2F17.1		6A MCB C Char	
=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	COMPRESSOR A MAIN MOTOR 20-C-1002-M START/STOP	Interface relay Main Motor Start/Stop	
=20-C-1002+PD-C-1002-01-5K6	COMPRESSOR A OIL HEATER LG-10151 ON/OFF	Interface relay Oil heater On/Off	
=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	

Device tag	Function text	Tech. car.	Symbol
=20-C-1002+PD-C-1002-01-3U2.1		contactor 115 A AC-3 3P	
=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	

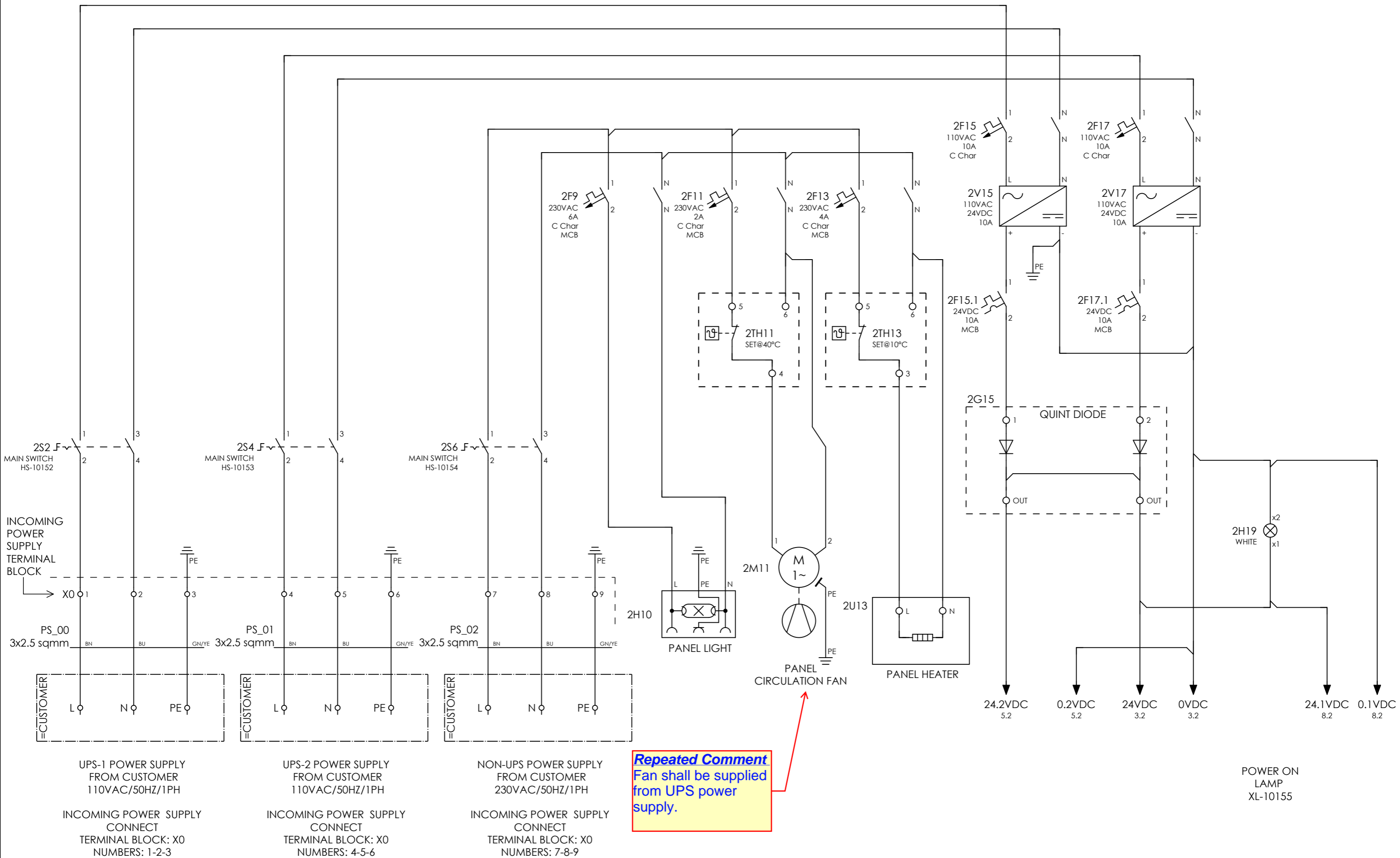
TERMINAL STRIP DEFINITION

UNIT CONTROL PANEL
UCP-C1002-01

- X0 = POWER SUPPLY 110VAC / 230VAC FROM CUSTOMER
- X1 = SOLENOIDS
- X2 = ANALOGUE INPUTS
- 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



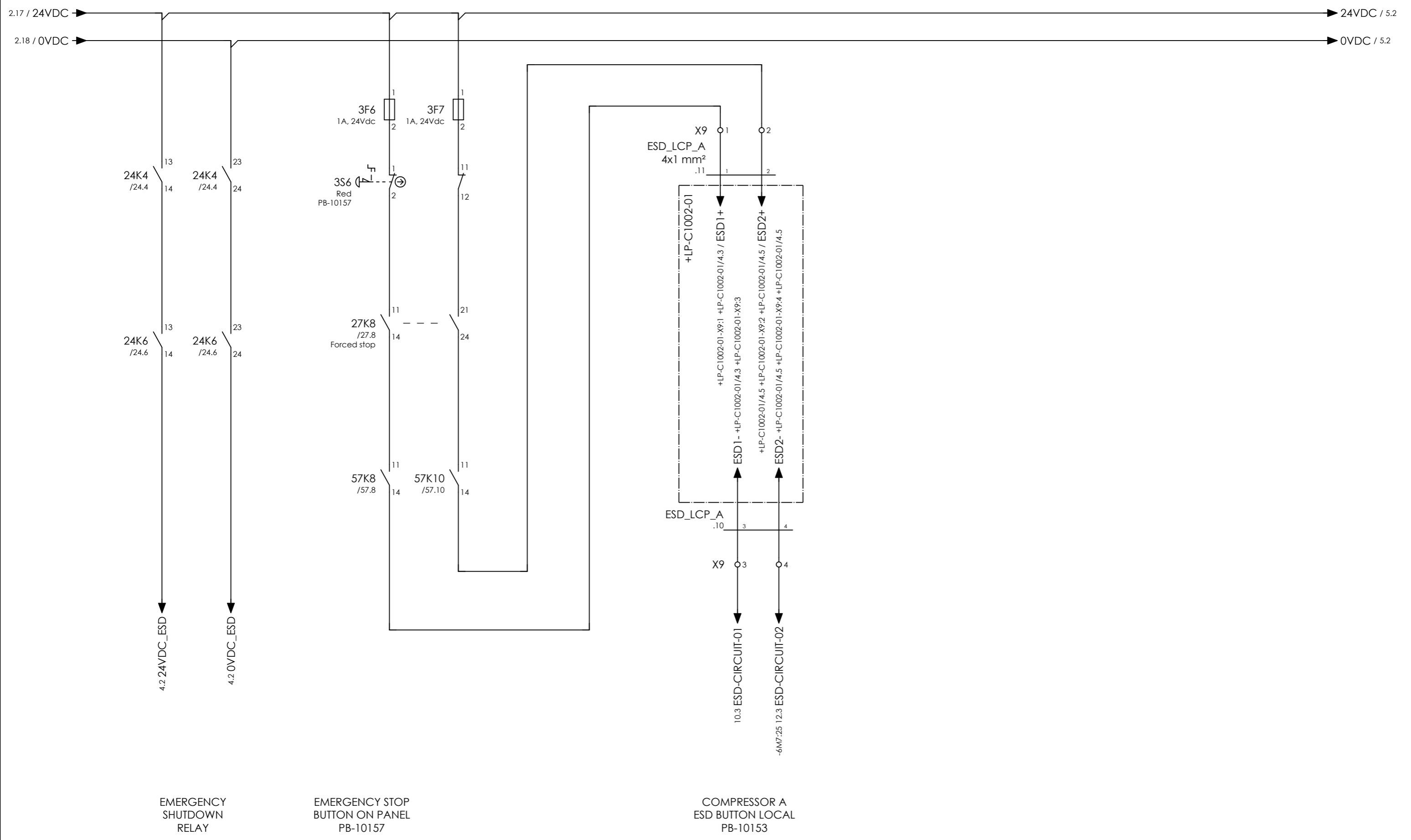
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	TERMINAL STRIP DEFINITION		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
THIS DRAWING IS OWNED BY AIRPACK, AND 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	03	
		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
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	03	
TOTAL PAGE AMOUNT	14	



EMERGENCY SHUTDOWN RELAY

EMERGENCY STOP BUTTON ON PANEL PB-10157

COMPRESSOR A ESD BUTTON LOCAL PB-10153

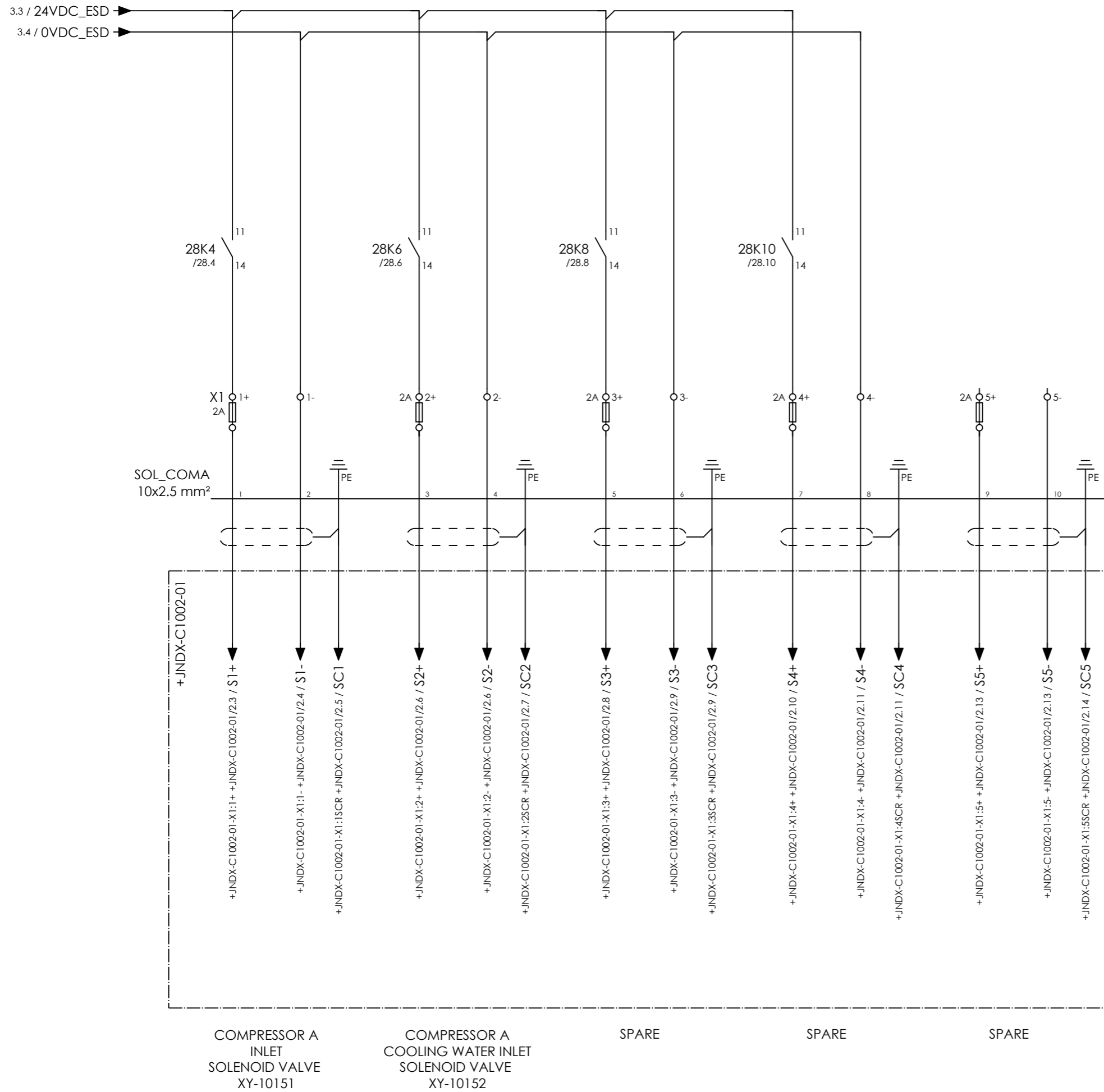


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT EMERGENCY SHUTDOWN	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	15

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



COMPRESSOR A
INLET
SOLENOID VALVE
XY-10151

COMPRESSOR A
COOLING WATER INLET
SOLENOID VALVE
XY-10152

SPARE

SPARE

SPARE

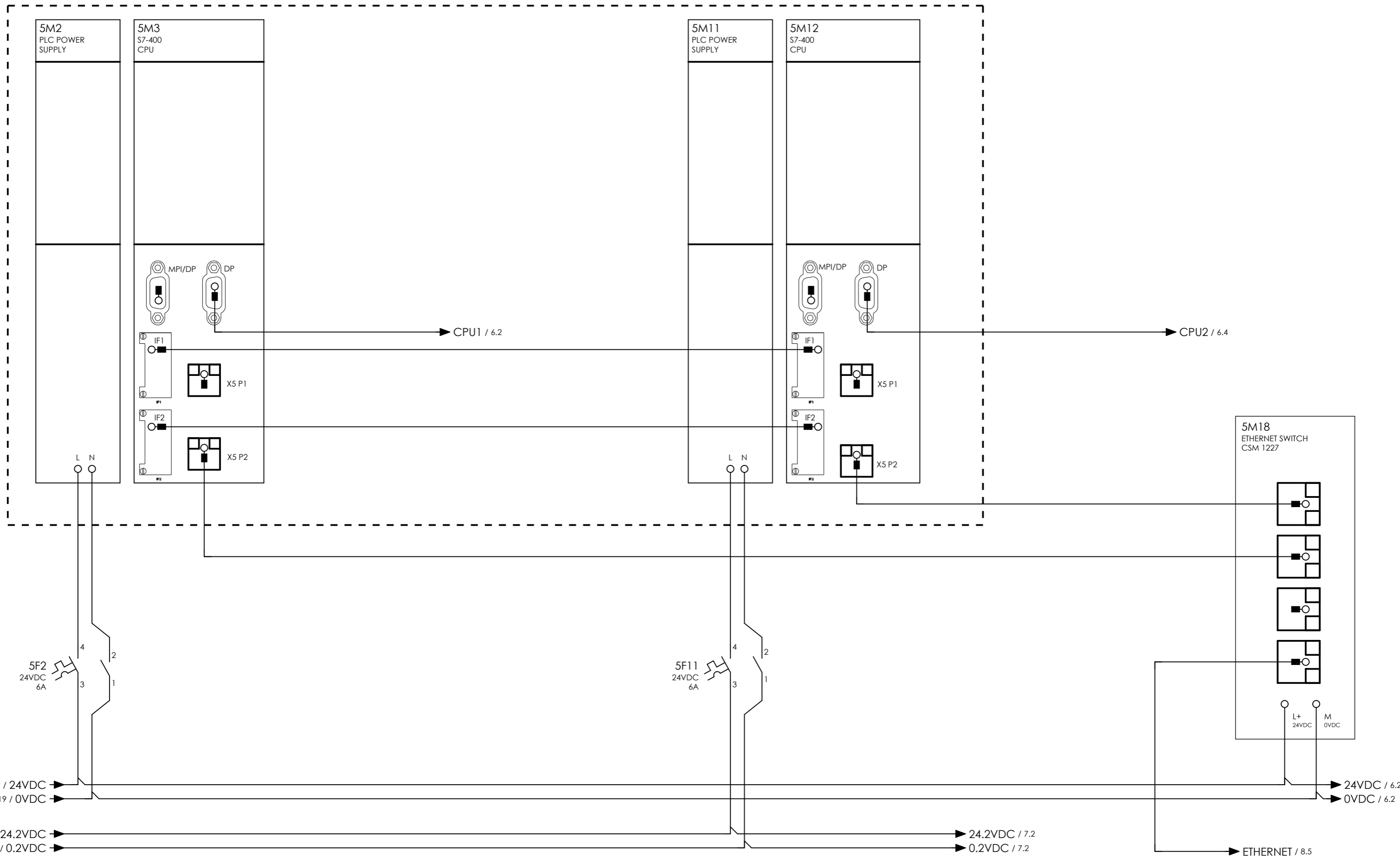


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	16

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

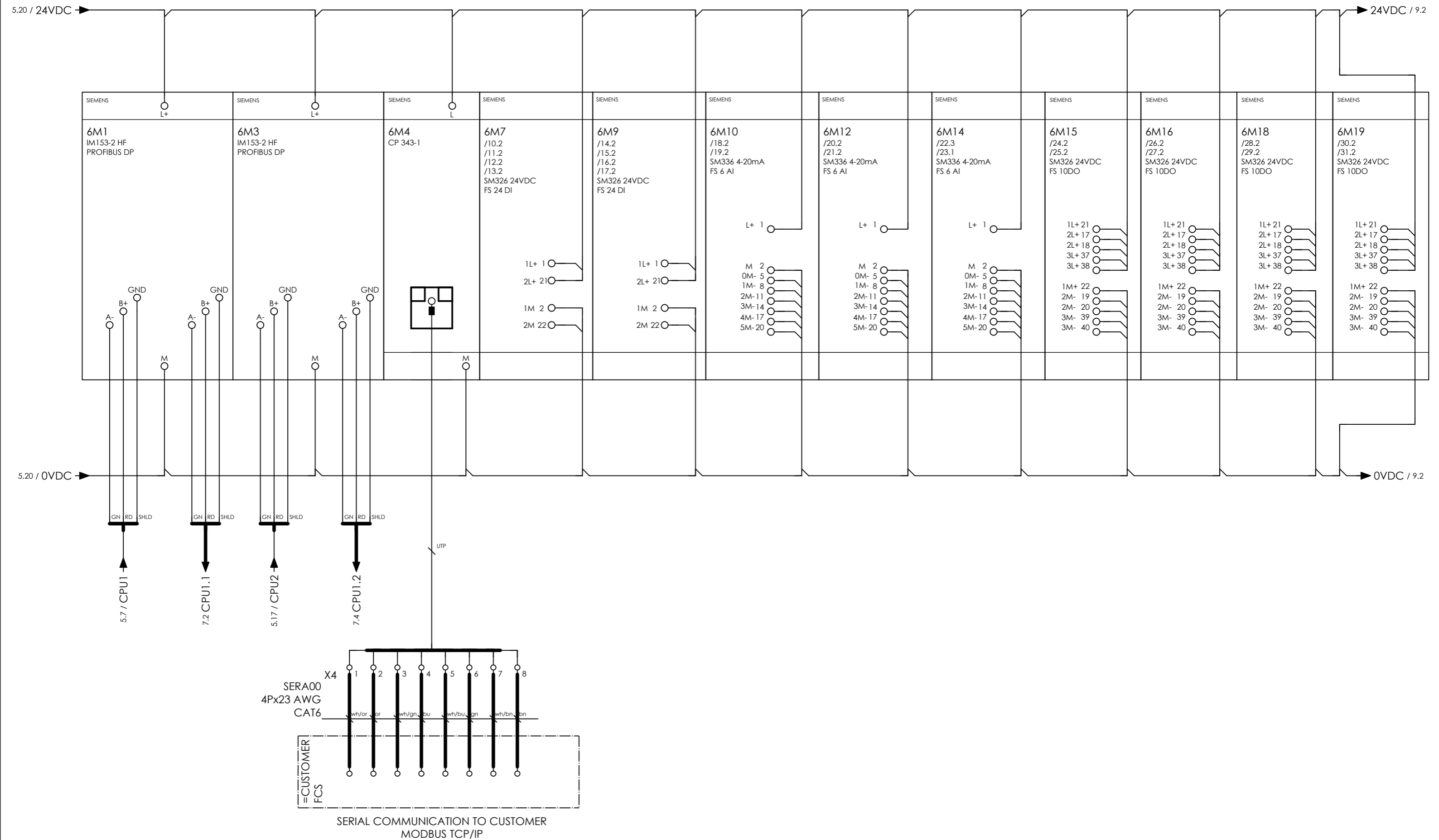


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

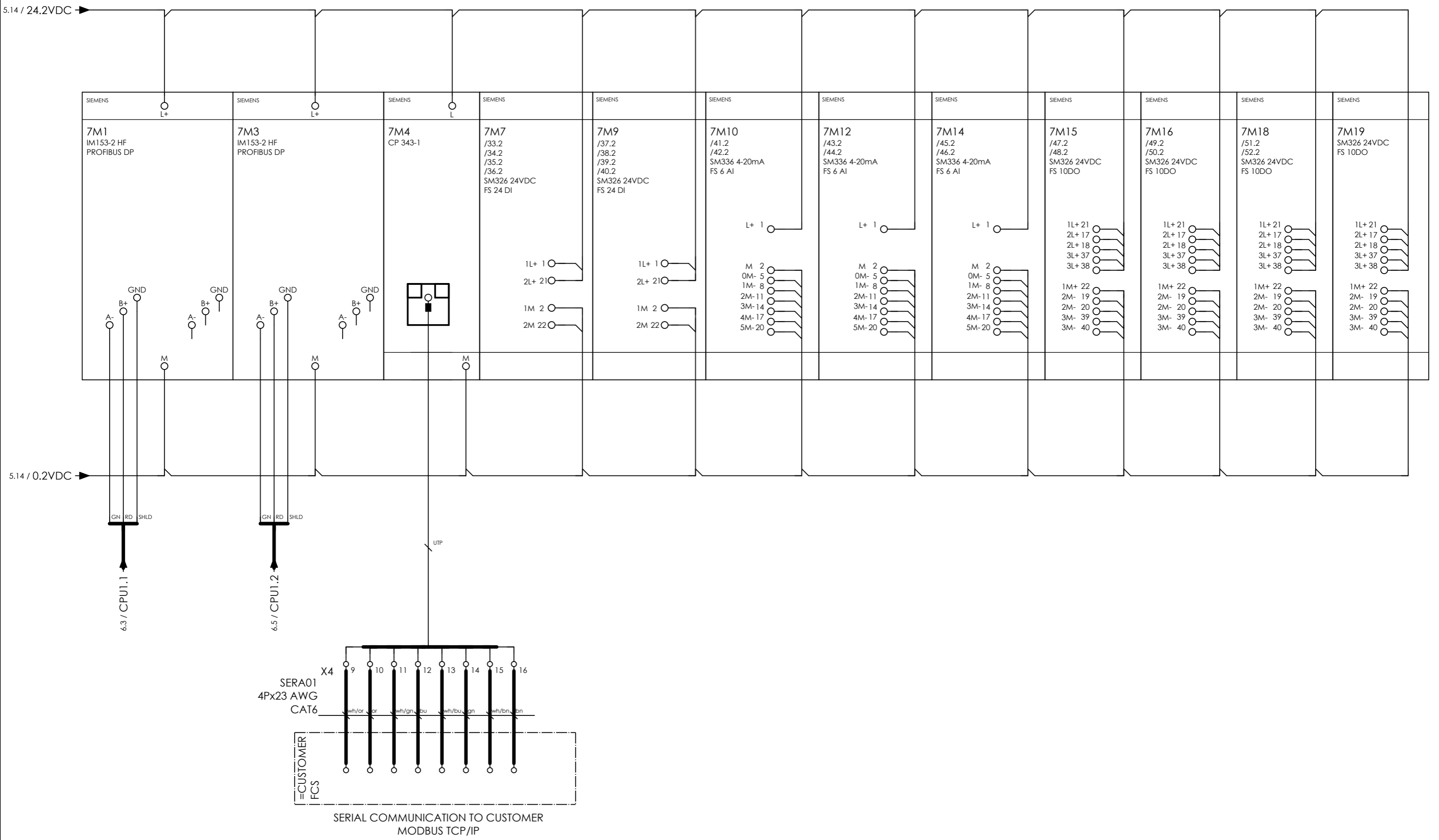
SUBJECT PLC LAYOUT	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	17

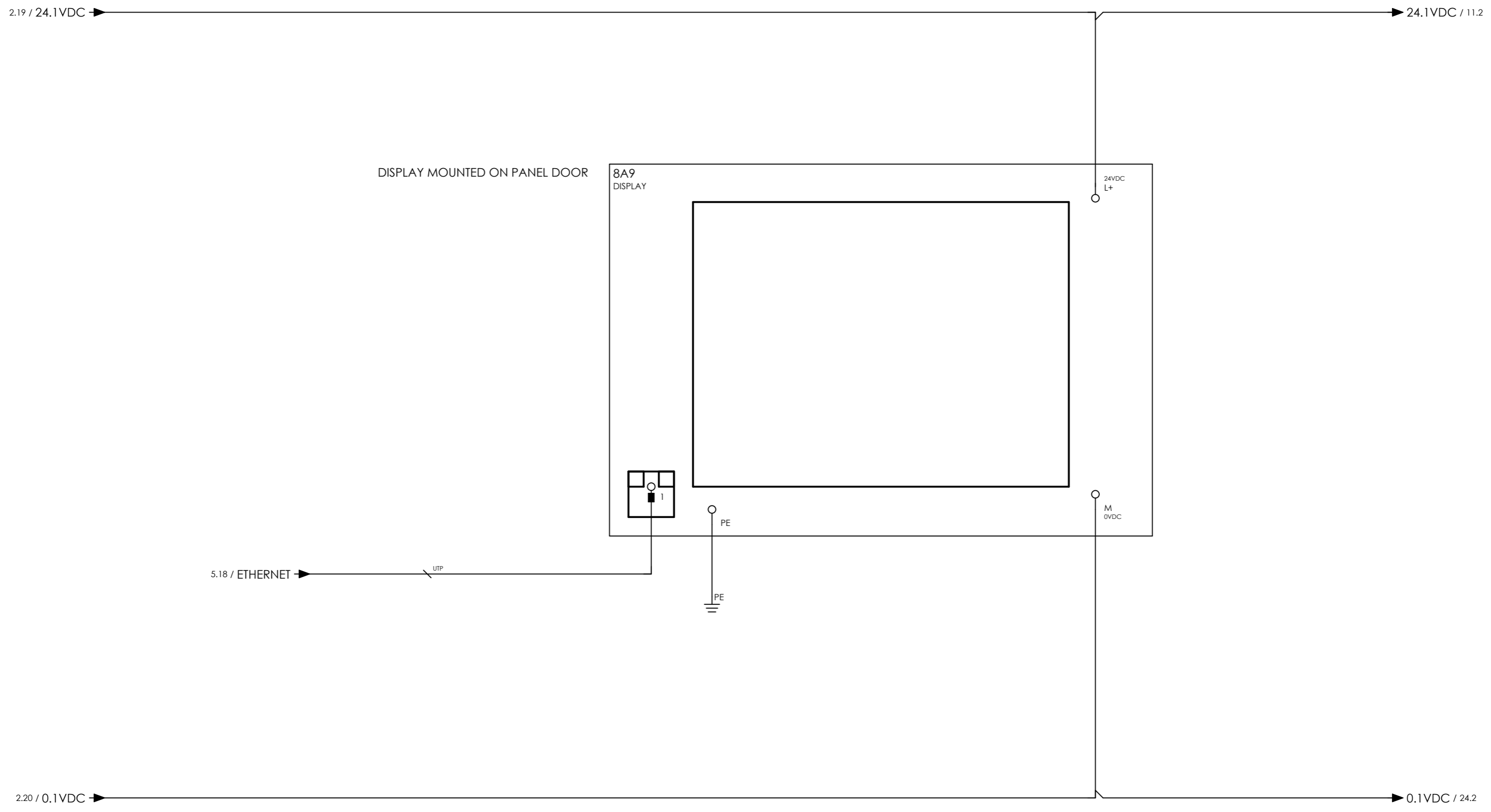
= 20-C-1002
+ UCP-C1002-01
CURRENT PAGE



	CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002	
	EQUIPMENT NO.	20-C-1002	IO RACK I		CHECKED BY	RBE	+ UCP-C1002-01	
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	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	6
	CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-05A	REVISION	03		
				TOTAL PAGE AMOUNT	18			



	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	10-5-2022	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	AIRPACK REF.	17811-05A	REVISION	03		
				TOTAL PAGE AMOUNT	19			



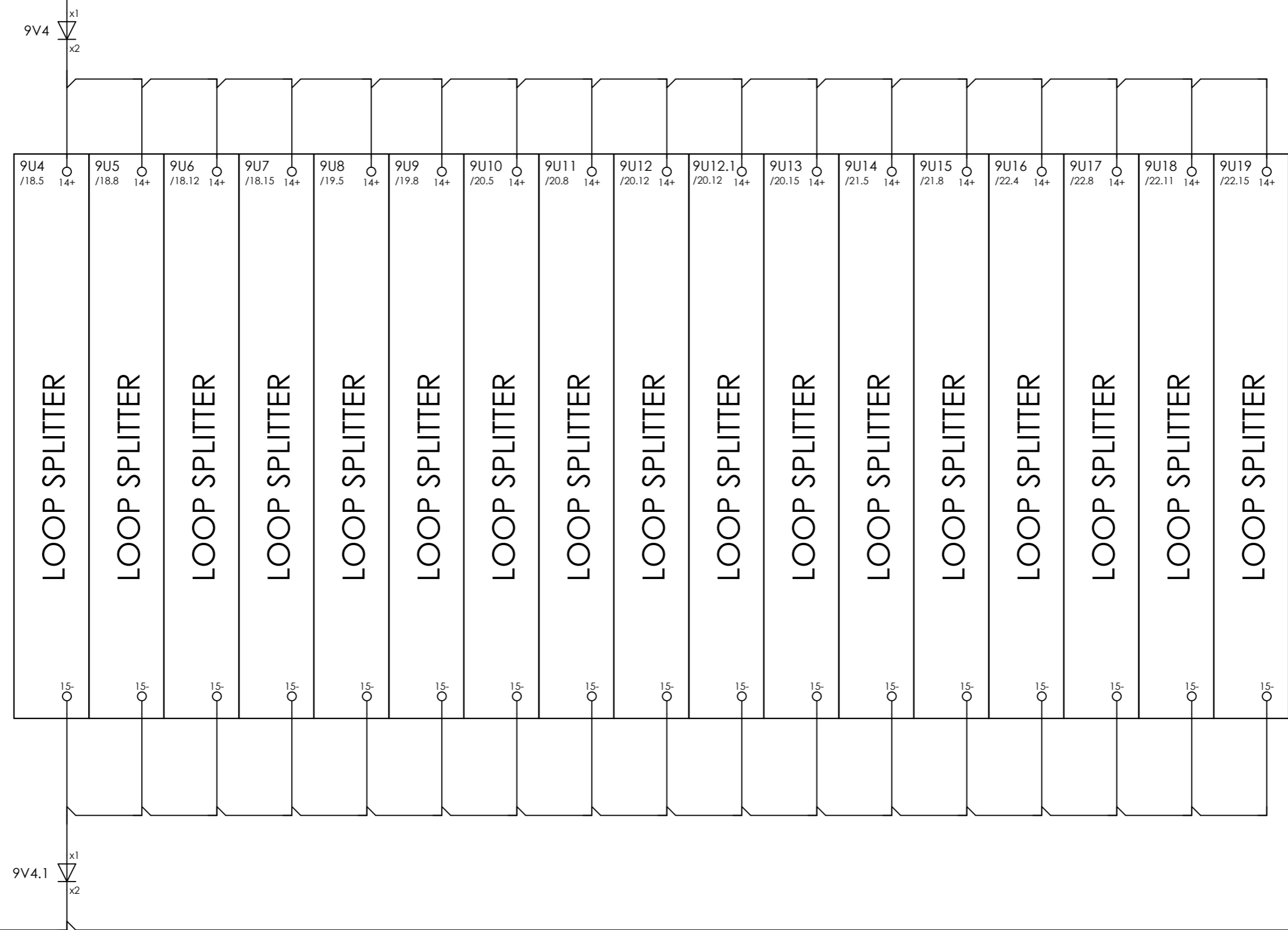
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	20

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

6.19 / 24VDC → 24VDC / 14.3



6.19 / 0VDC → 0VDC / 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	10-5-2022

= 20-C-1002
+ UCP-C1002-01
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	03
TOTAL PAGE AMOUNT	21

3.11
ESD-CIRCUIT-01

D10.0
33.4



6M7
/6.7

ESD CIRCUIT 1

SPARE

SPARE

SPARE

SPARE

SPARE



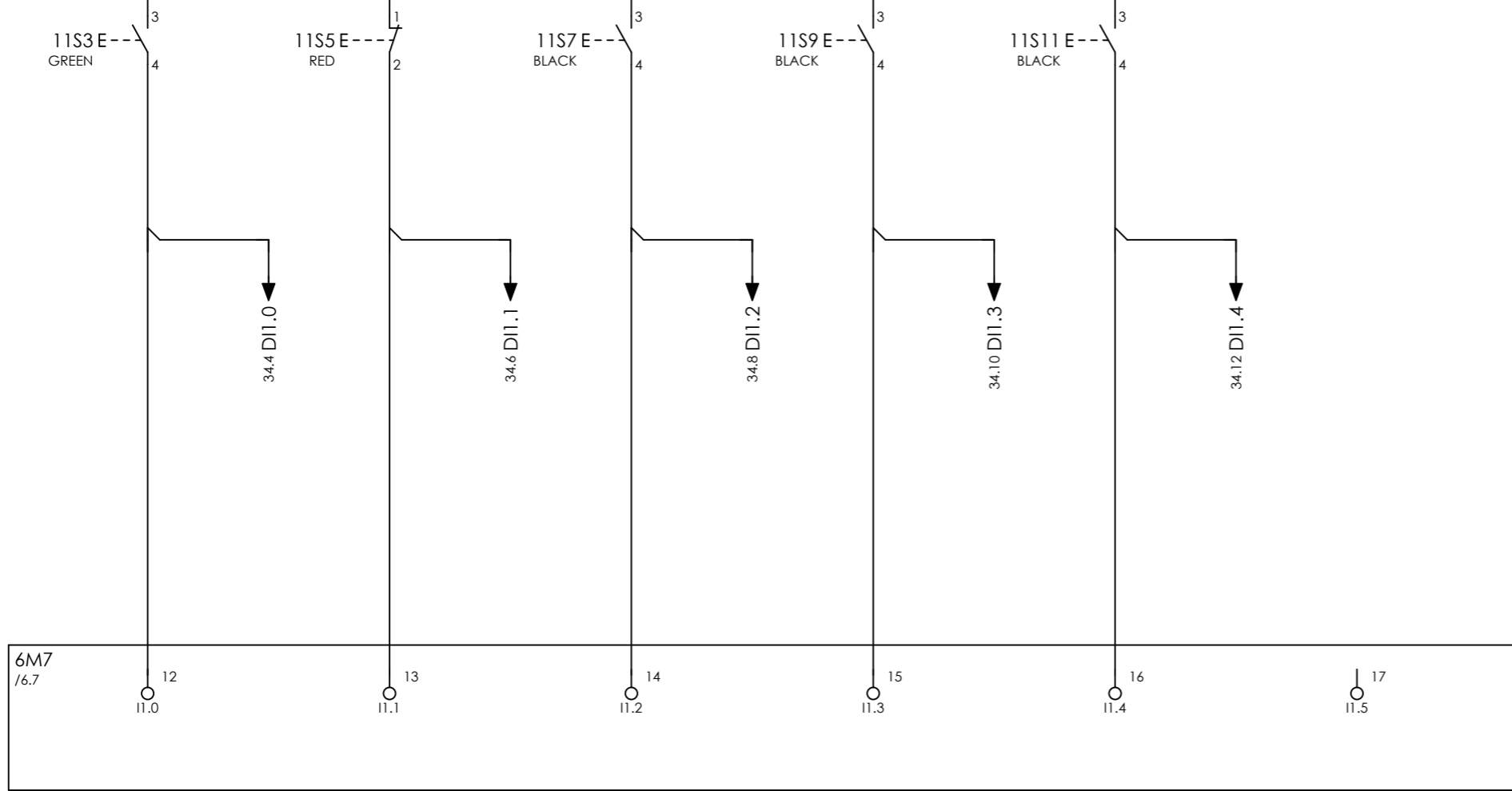
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	22

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

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	10-5-2022	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	03	
		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



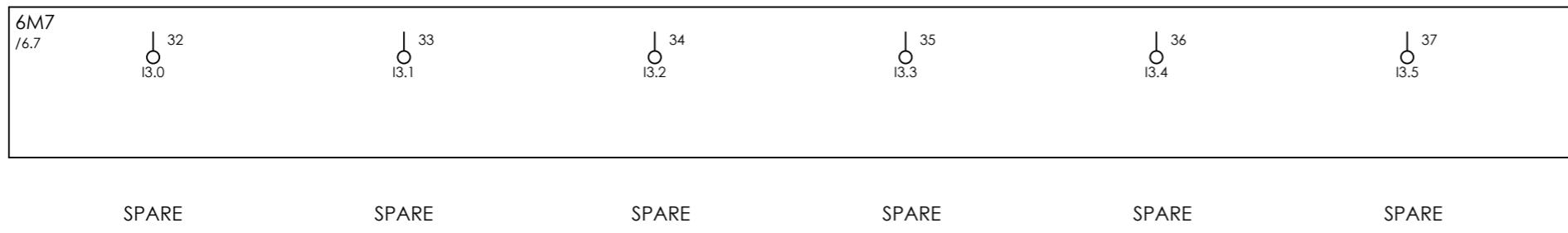
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	24

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

11.19 / 24.1VDC → 24.1VDC /

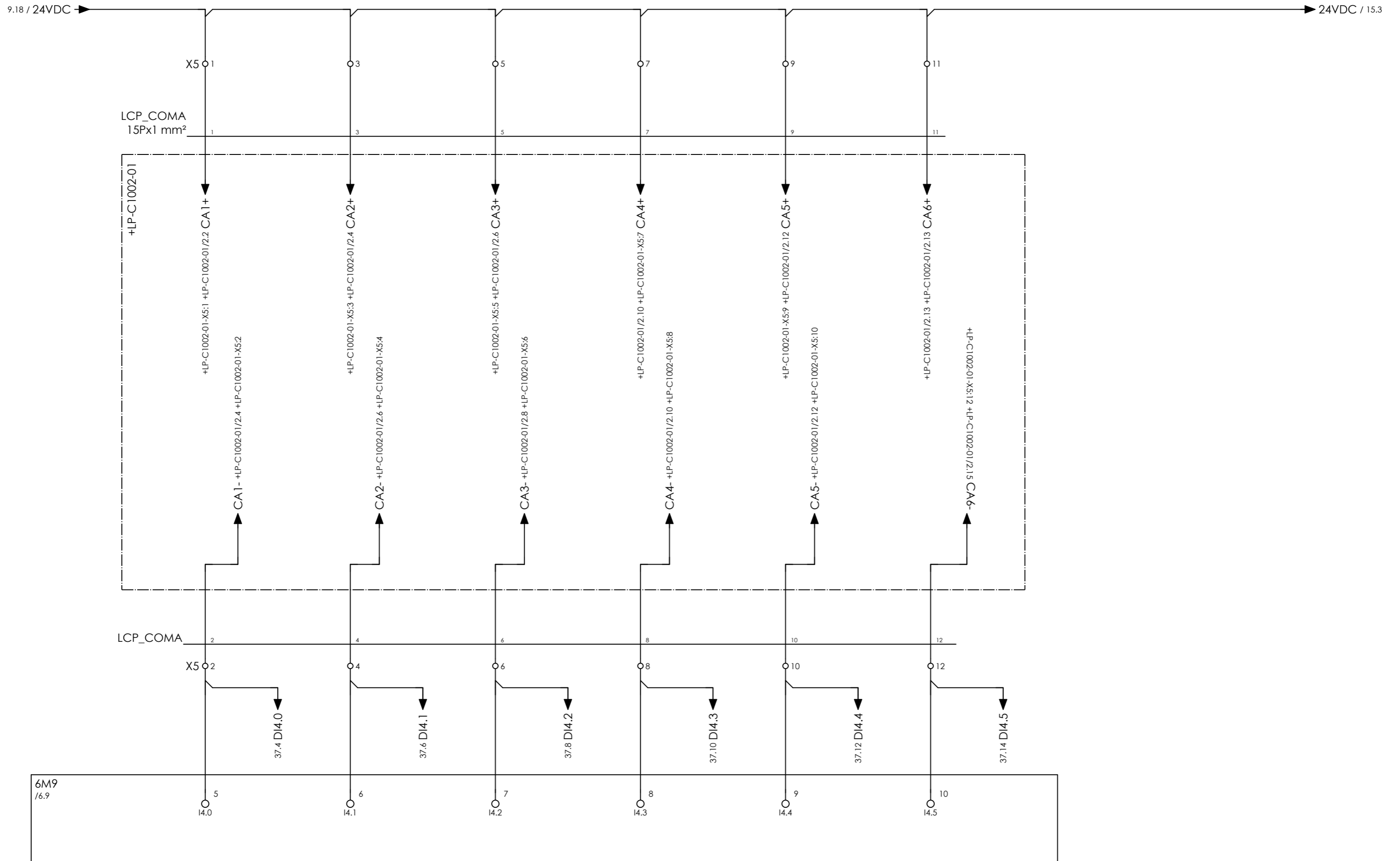


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	25

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



COMPRESSOR A
START
PB-10151

COMPRESSOR A
STOP
PB-10152

COMPRESSOR A
LAMPTEST
PB-10154

COMPRESSOR A
LOCAL
HS-10151

COMPRESSOR A
REMOTE
HS-10151

SPARE

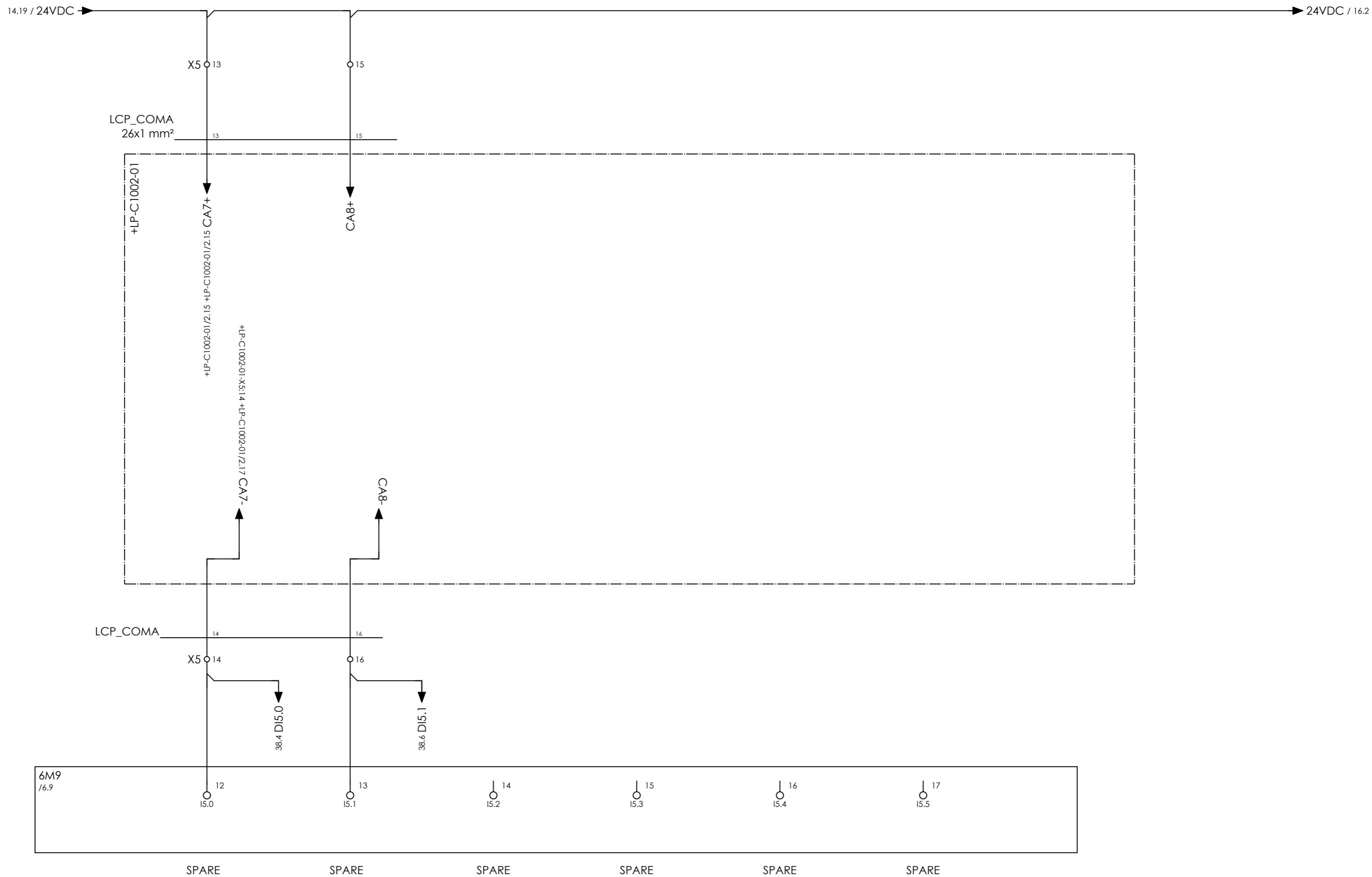


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS I [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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	26

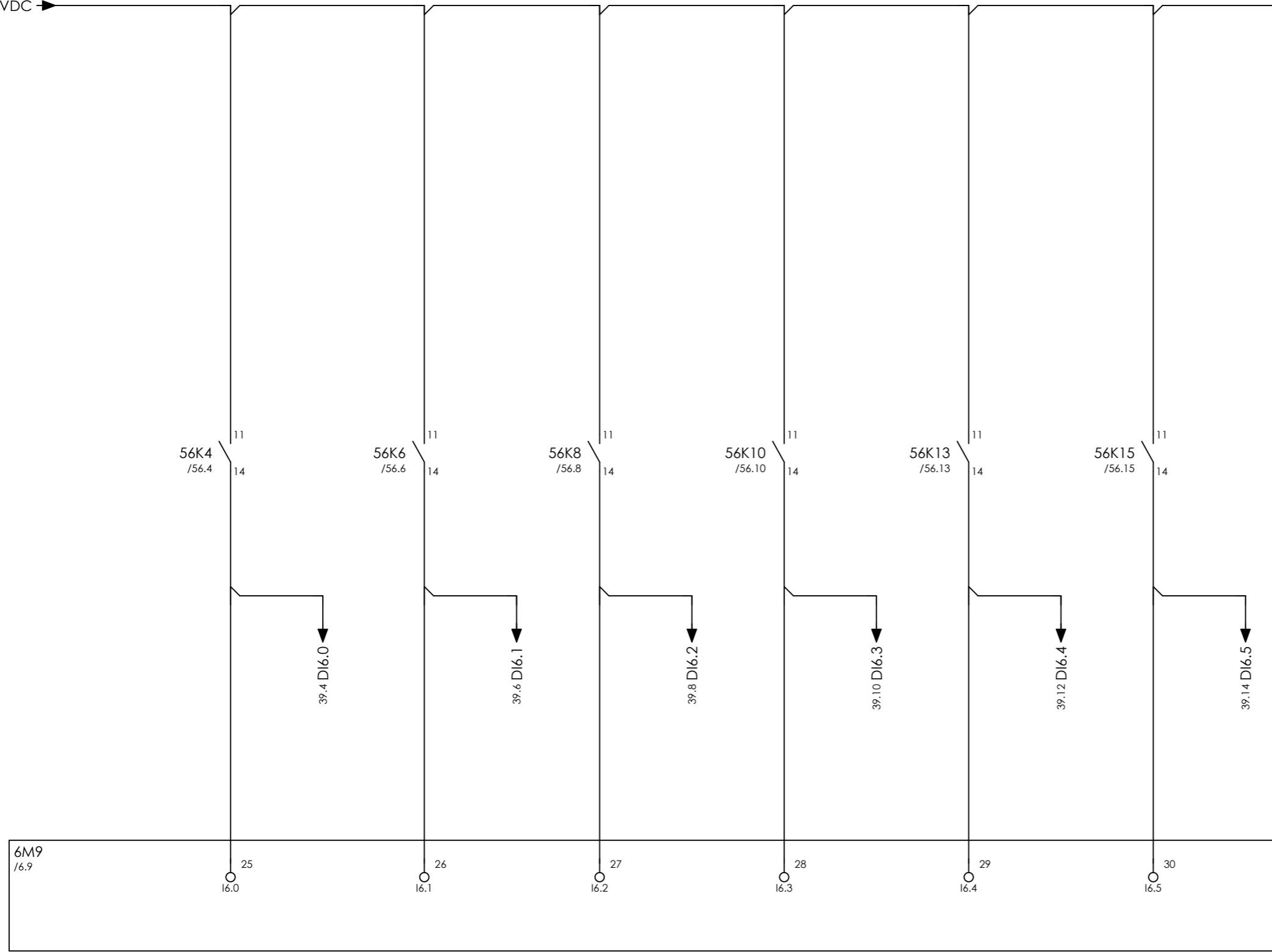
= 20-C-1002
+ UCP-C1002-01
CURRENT PAGE



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 [6M9]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	03	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	27	

15.19 / 24VDC → 24VDC / 17.3

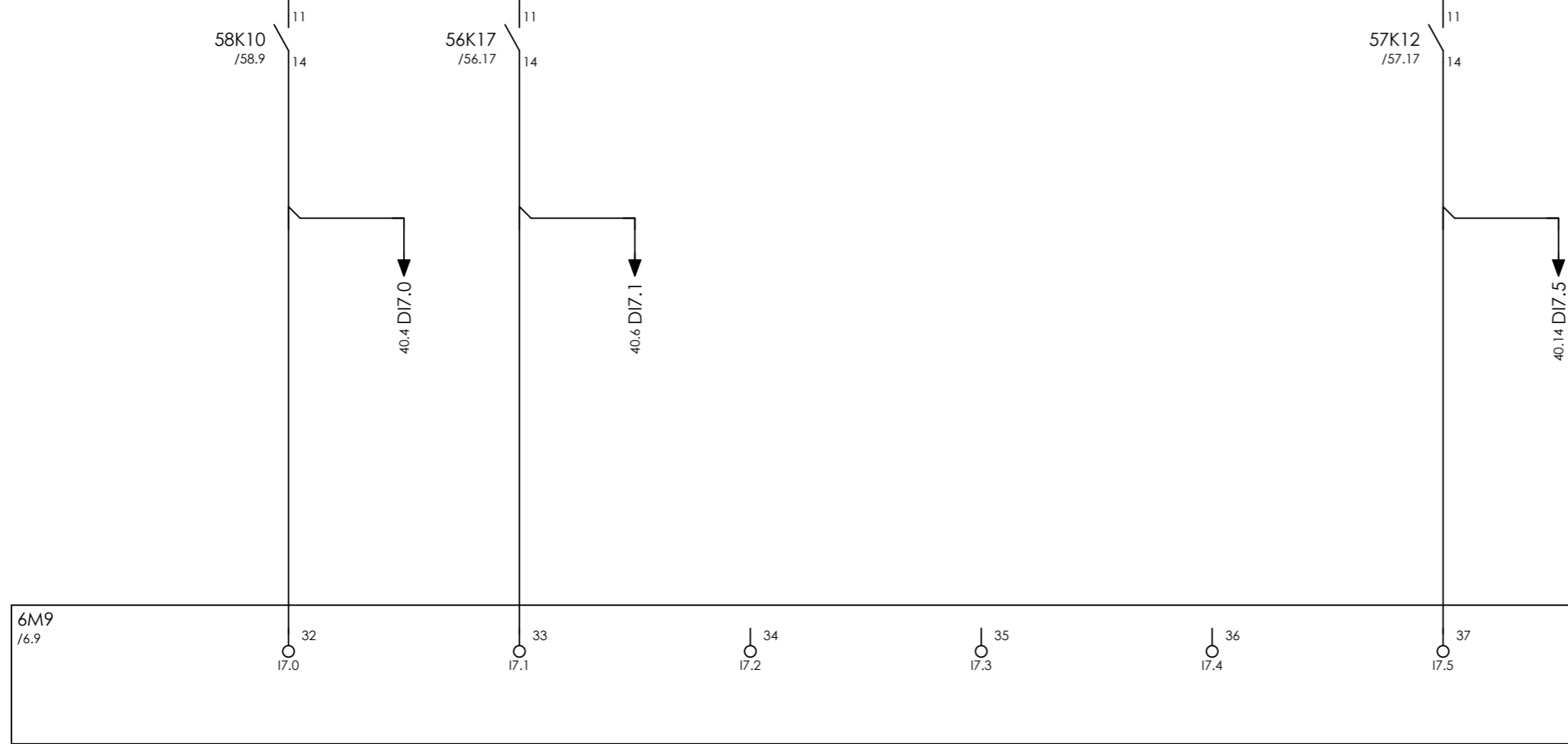


COMPRESSOR A MAIN MOTOR 20-C-1002-M RUNNING COMPRESSOR A MAIN MOTOR 20-C-1002-M FAULT COMPRESSOR A OIL HEATER LG-10151 ON COMPRESSOR A OIL HEATER LG-10151 FAULT SPARE SPARE

Signals tag number as per I/O list shall be specified.



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 [6M9]		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	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	03	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	28	



PID CONTROL
CONTROL VALVE
ALARM

OIL HEATER PID
LG-10151
FAULT

SPARE

SPARE

SPARE

TIME
SYNCHRONIZATION
XCS-108

Signals tag number as per I/O list shall be specified.

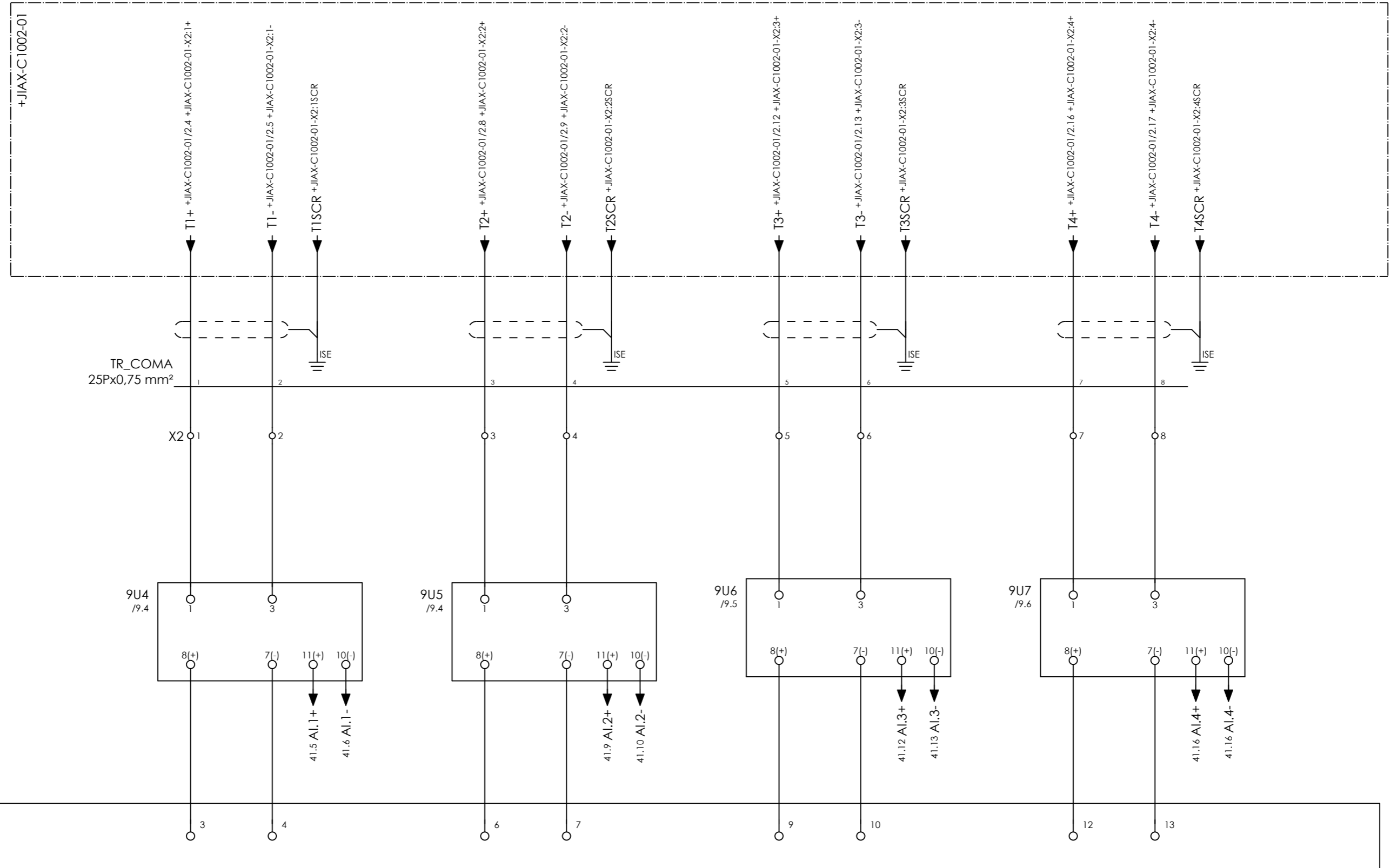


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS I [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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	29

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



COMPRESSOR A
INLET PRESSURE
PIT-10153

COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-10154

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10157

COMPRESSOR A
INLET TEMPERATURE
TIT-10151

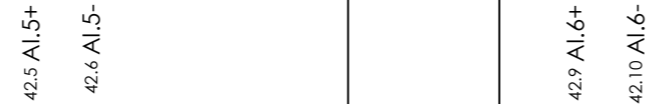
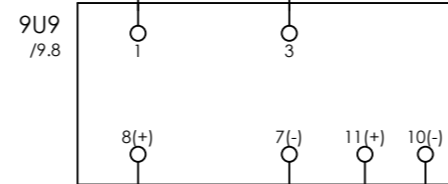
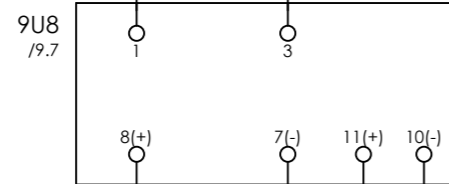
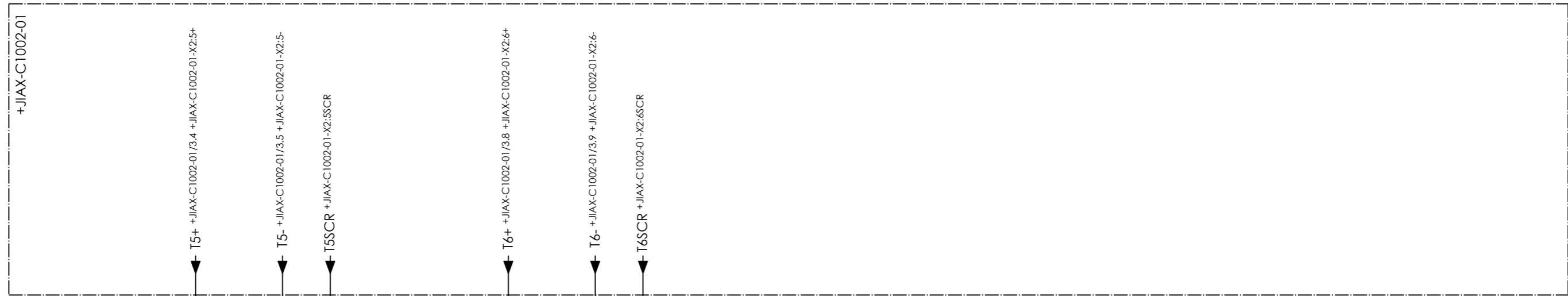


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	30

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



COMPRESSOR A
1ST STAGE TEMPERATURE
TIT-10152

COMPRESSOR A
COOLING WATER OUTLET FLOW
FIT-10151

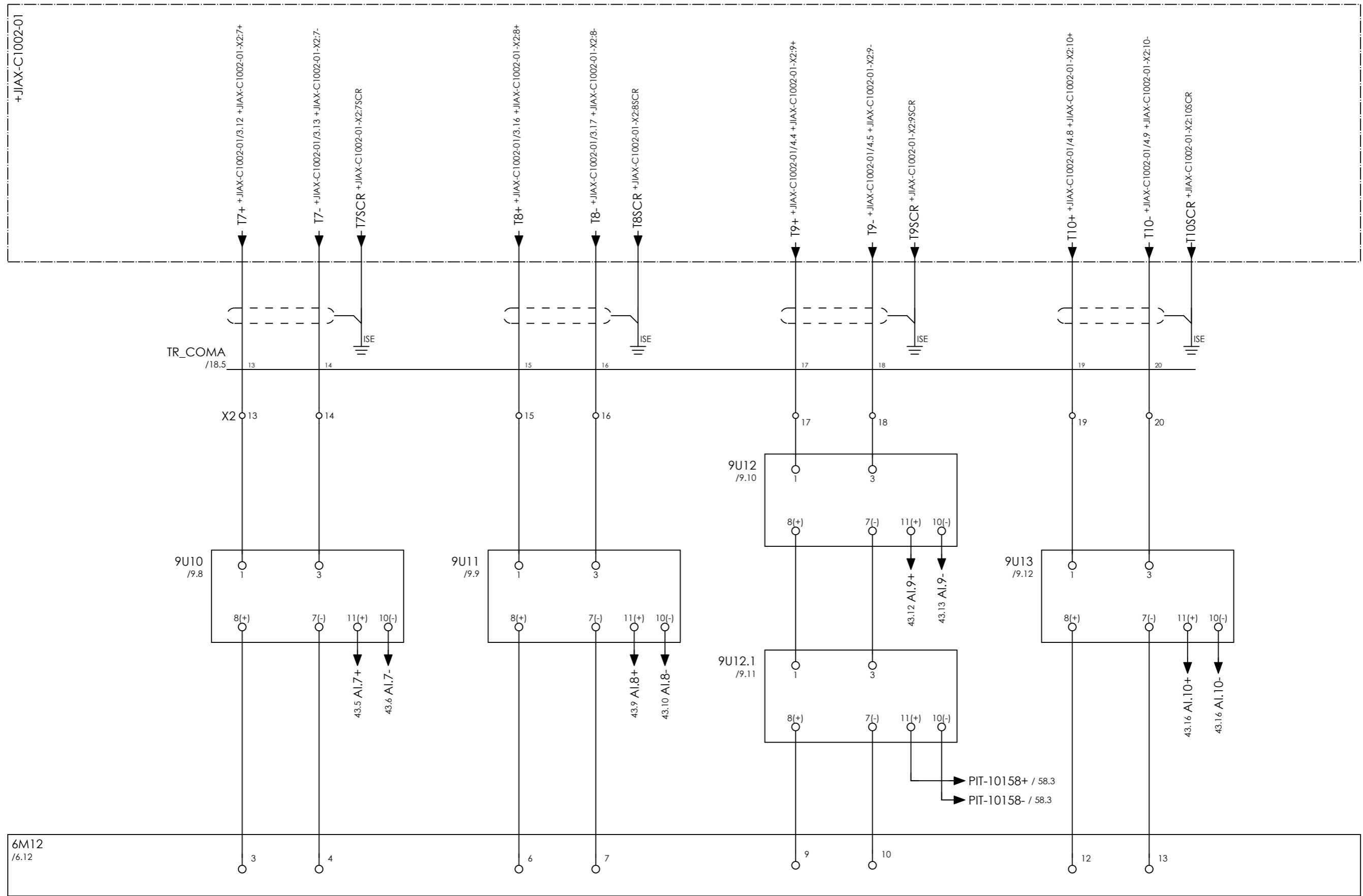


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	31

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

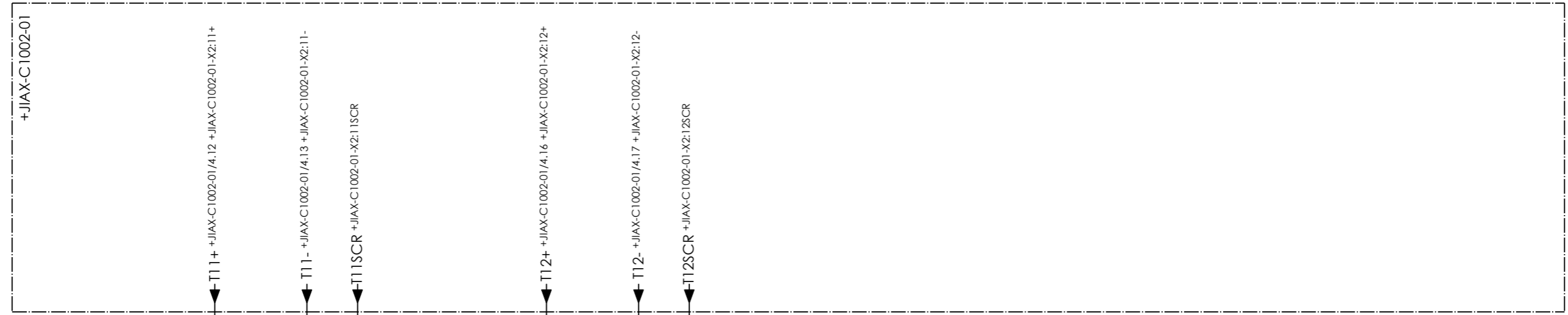


COMPRESSOR A
VIBRATION LEVEL
VT-10151

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10156

COMPRESSOR A
OUTLET PRESSURE
PIT-10158

COMPRESSOR A
OUTLET PRESSURE
PIT-10159



TR_COMA
/18.5

9U14
/9.12

9U15
/9.13

6M12
/6.12

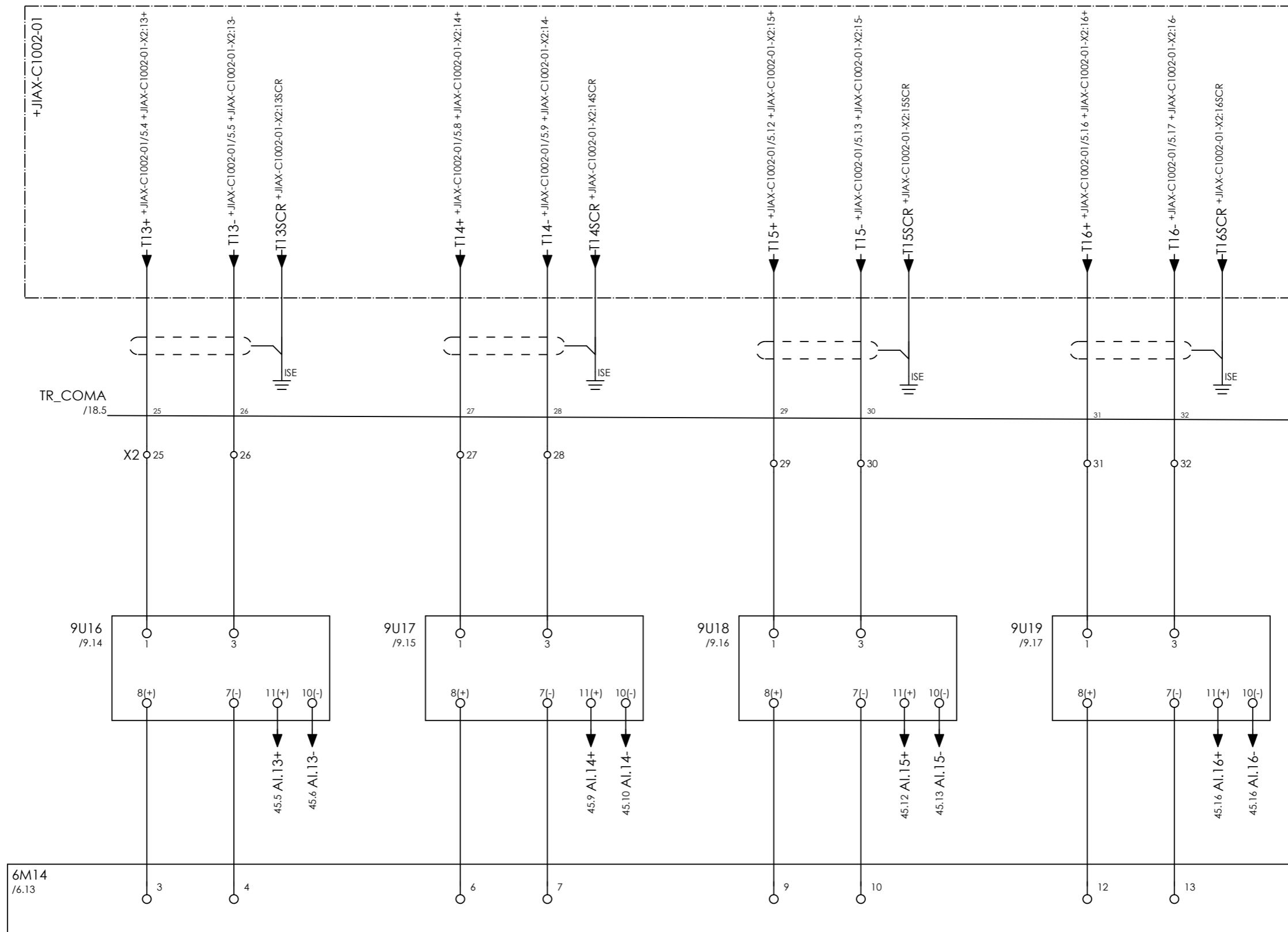
COMPRESSOR A
1ST STAGE TEMPERATURE
TIT-10153

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER
TEMPERATURE
TIT-10154



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
ANALOG INPUTS I [6M12]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	03	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	33	

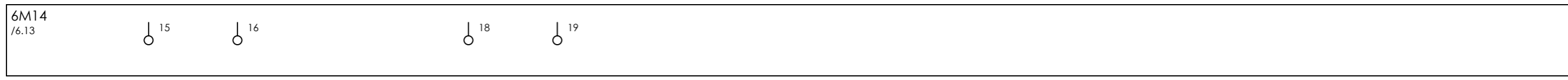
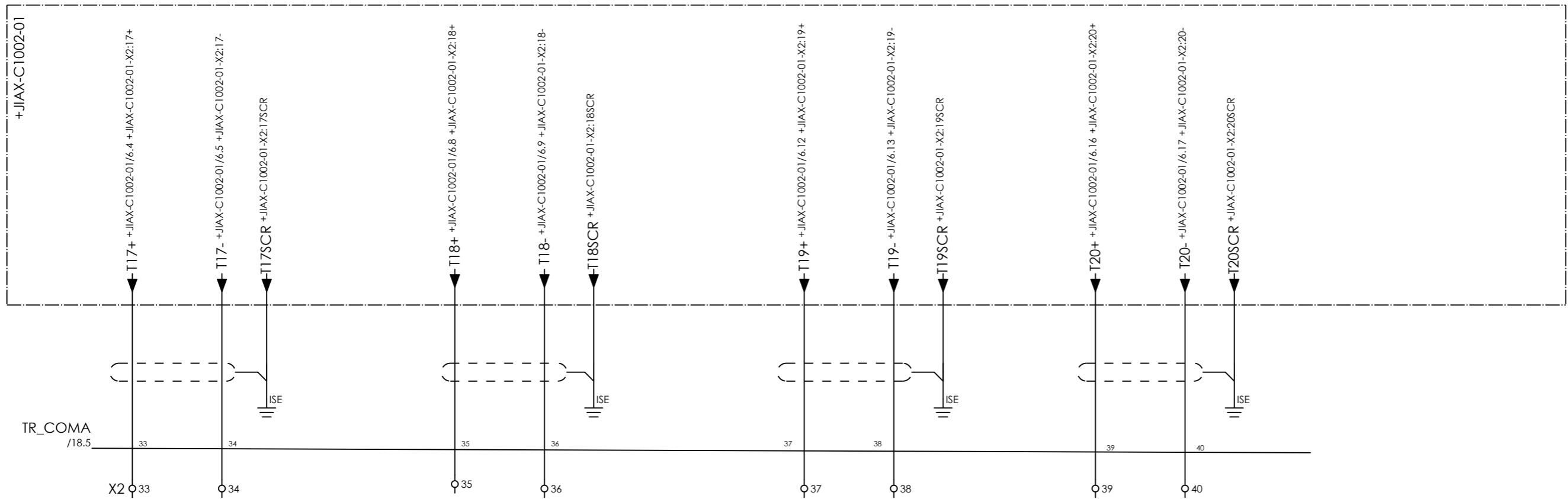


COMPRESSOR A
2ND UPSTREAM INTERCOOLER
TEMPERATURE
TIT-10155

SPARE

SPARE

SPARE

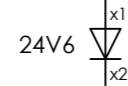
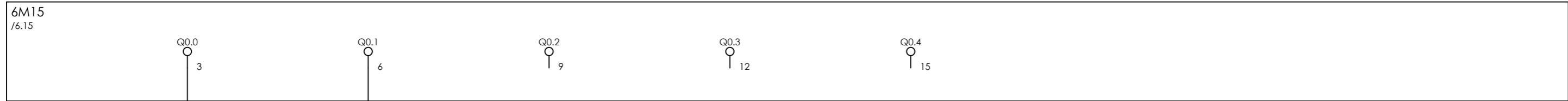


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT ANALOG INPUTS I [6M14]	
ADAPTED TO P&ID REVISION	04
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

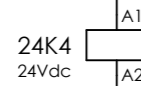
DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	35

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



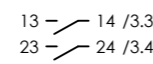
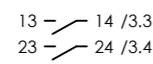
DOO.0 47.4

DOO.1 47.6



8.19 / 0.1VDC

0.1VDC / 25.2-25H4:x2



ESD RELAY 01

ESD RELAY 02

SPARE

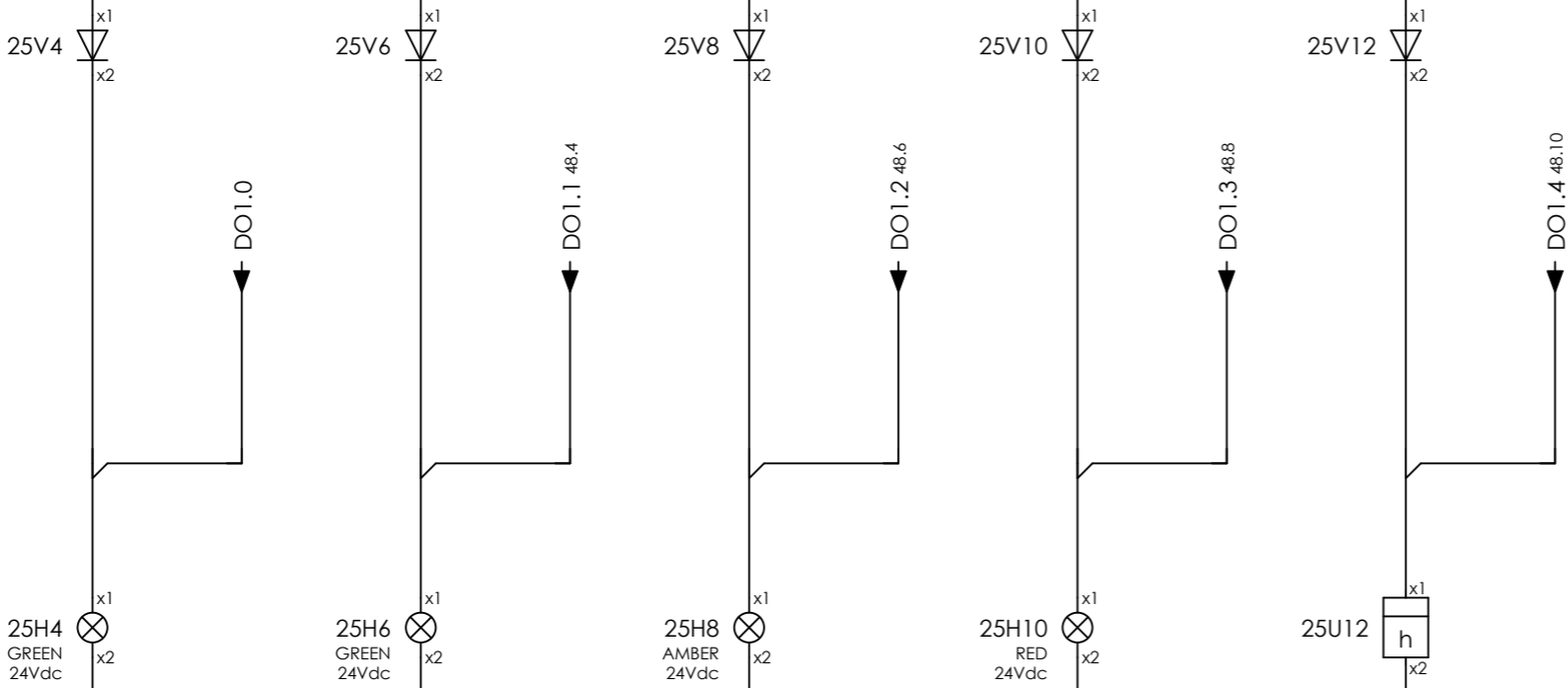
SPARE

SPARE



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

SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL OUTPUTS I [6M15]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	03	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	36	

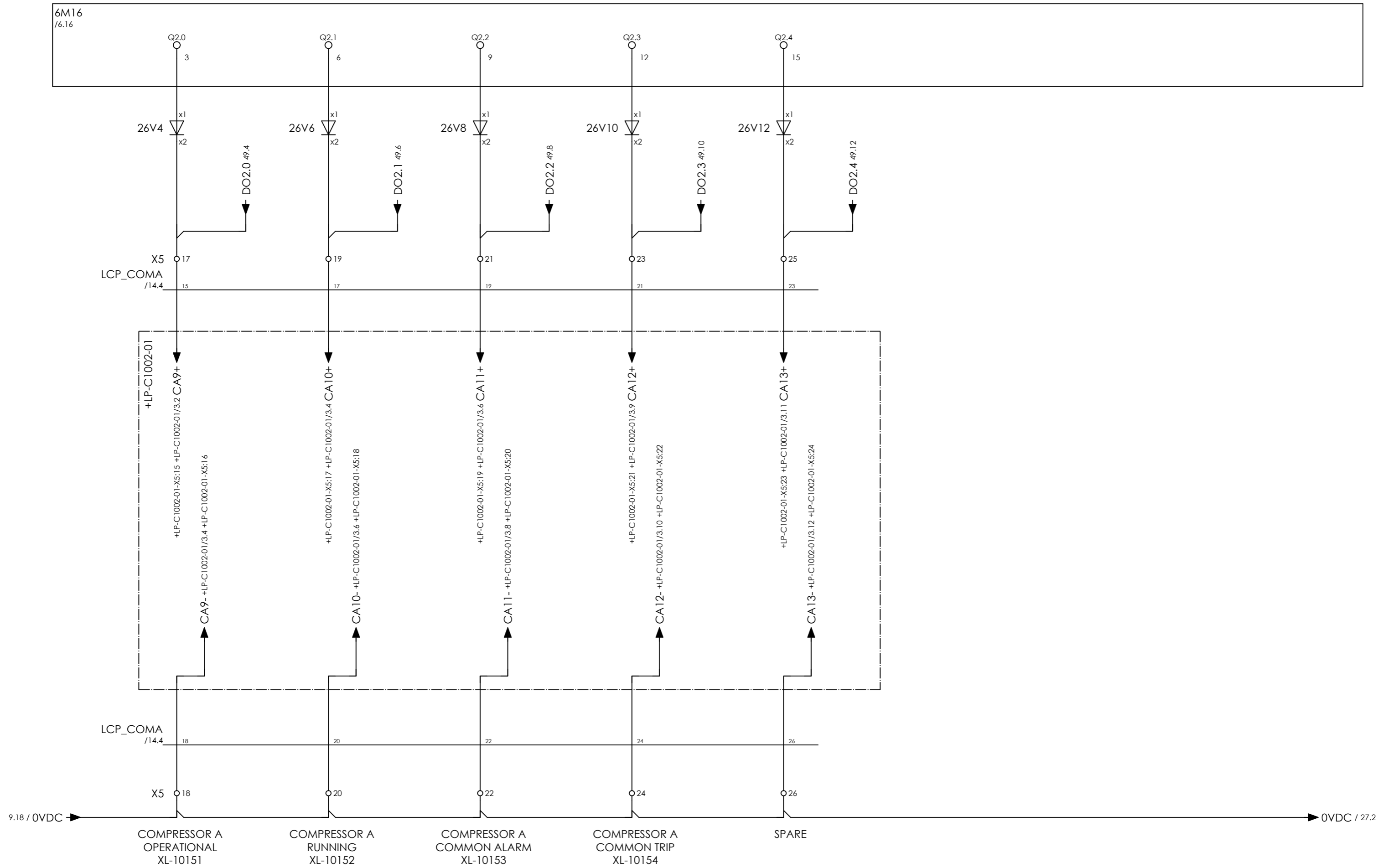


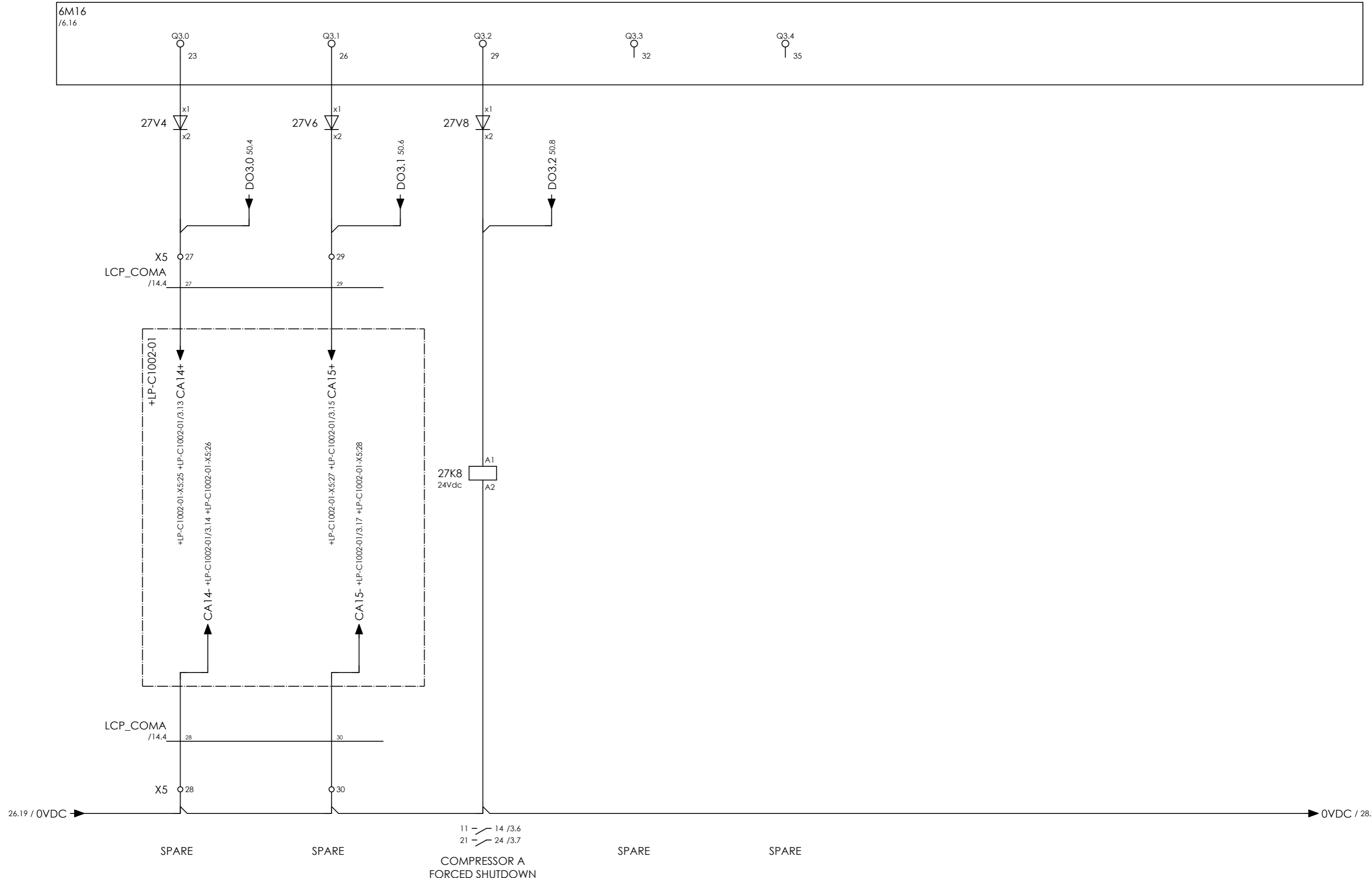
24.19 / 0.1VDC →

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	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	DIGITAL OUTPUTS I [6M15]		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	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	03	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	37	



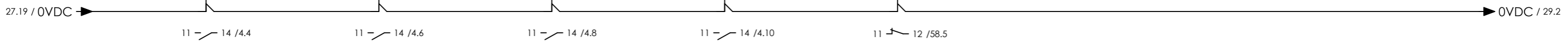
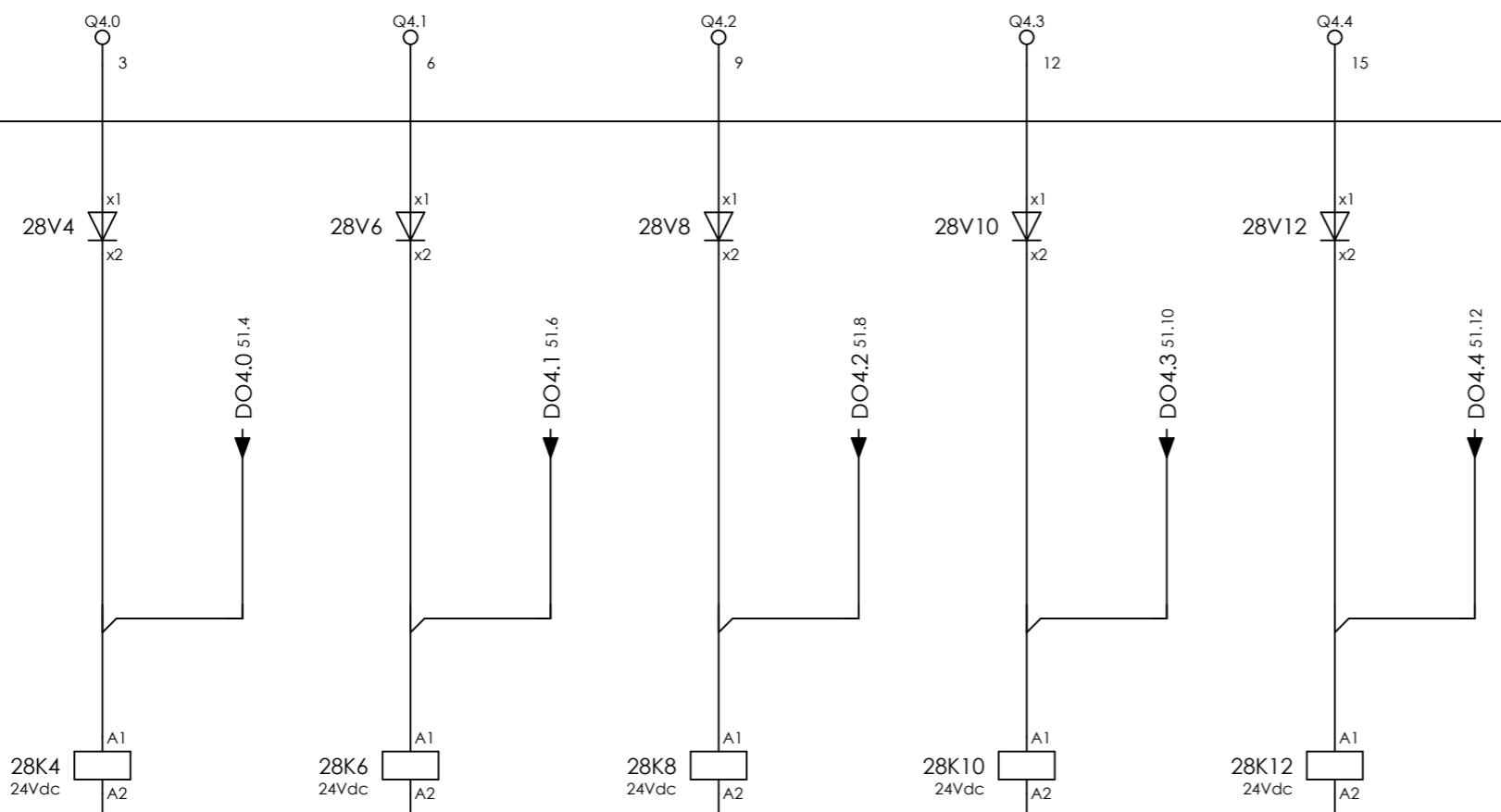


Signals tag number as per I/O list shall be specified. (HS-10121-SD)



CLIENT DWG NO.	BU-20-V	[6M16]	DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-10		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022
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	03
	AIRPACK REF.	17811-05A		TOTAL PAGE AMOUNT	39

CURRENT PAGE	
--------------	--

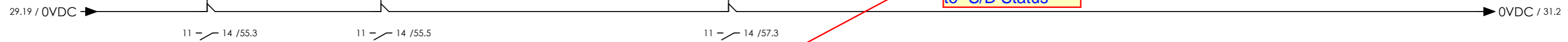
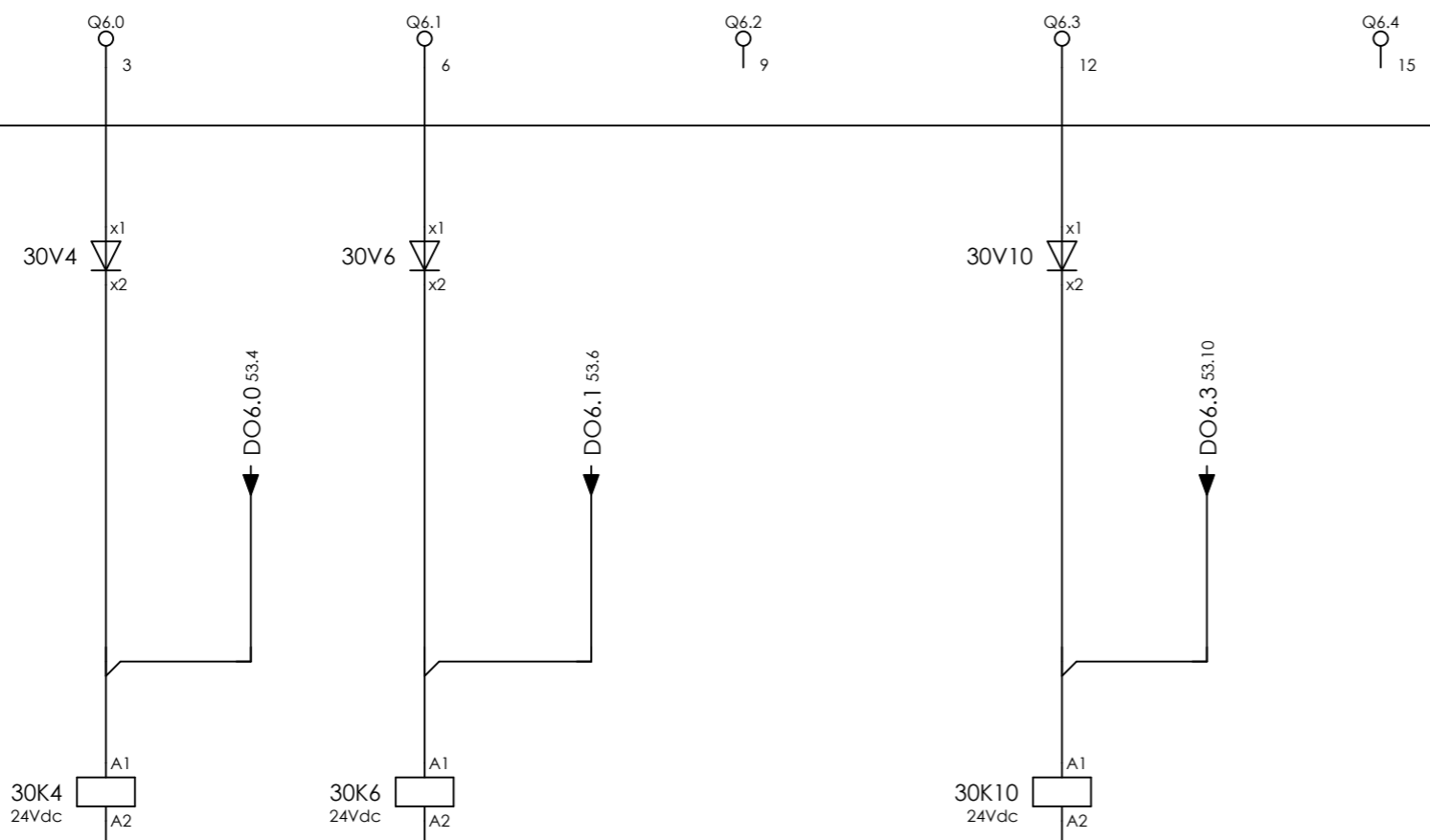


11 - 14 / 4.4 11 - 14 / 4.6 11 - 14 / 4.8 11 - 14 / 4.10 11 - 12 / 58.5

COMPRESSOR A SOLENOID VALVE XY-10151 COMPRESSOR A SOLENOID VALVE XY-10152 SPARE SPARE PID CONTROL ACTIVE



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	DIGITAL OUTPUTS I [6M18]		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	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	03	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	40	



COMPRESSOR A
MAIN MOTOR 20-M-1002
START/STOP

COMPRESSOR A
OIL HEATER LG-10151
ON/OFF

SPARE

COMMON
ALARM
XAL-108-2

SPARE

Please modify
"common alarm"
to "S/D Status"

Signals tag number as per I/O list shall be specified.
(XS-10122-ST/SP)
(XS-10123-ST/SP)



U-20-VD-303-IN-DIG-0043
O-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]		DRAWN BY MaGo	= 20-C-1002
ADAPTED TO P&ID REVISION 04		CHECKED BY RBE	+ UCP-C1002-01
CLIENT Bushehr Petrochemical Company (BUPC)	AIRPACK REF. 17811-05A	LAST MODIFICATION DATE 10-5-2022	CURRENT PAGE
CLIENT REF. Bushehr MEG Plant Project		AIRPACK DWG NO. 17811-05	
		REVISION 03	
		TOTAL PAGE AMOUNT 42	

6M19
/6.19

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	43

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

BLANK PAGE

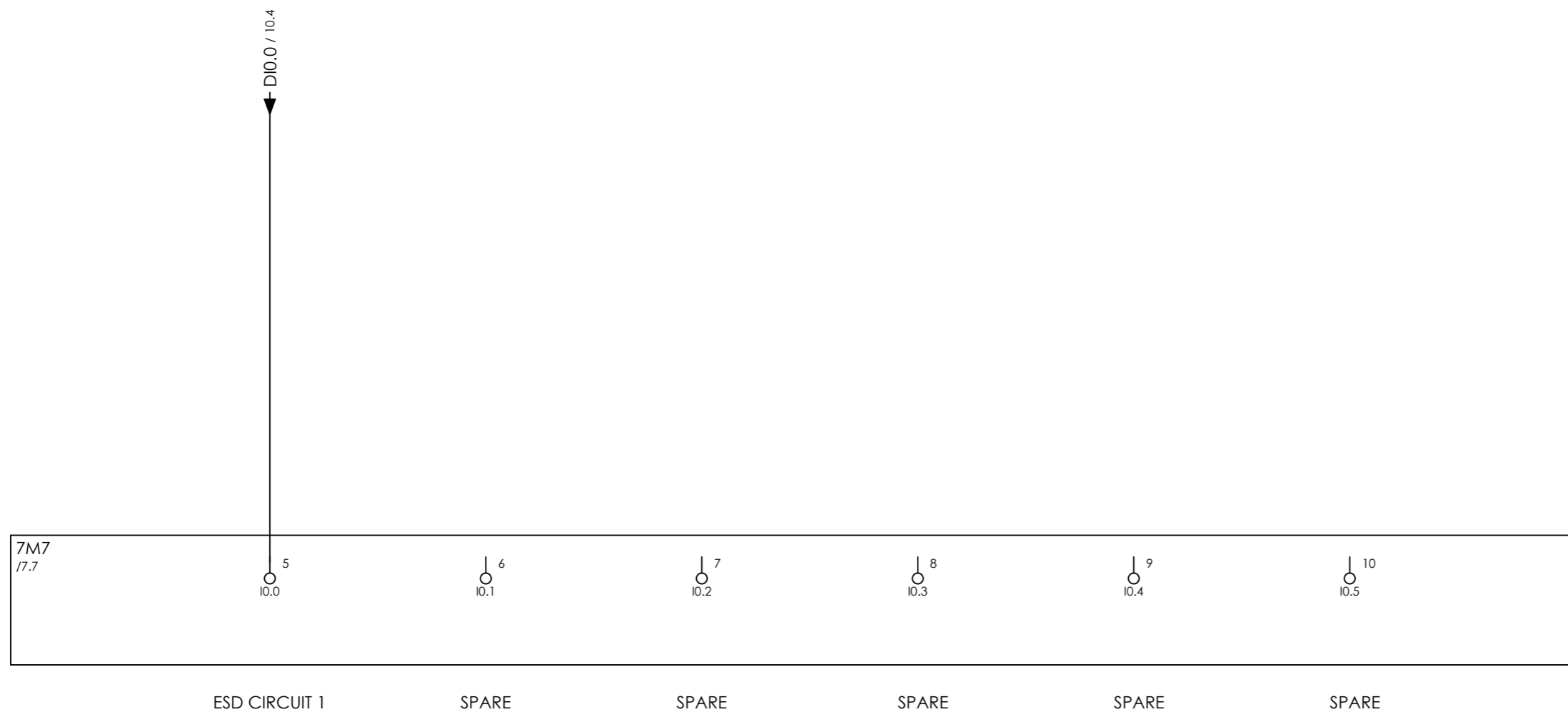


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT EMPTY PAGE	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	44

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

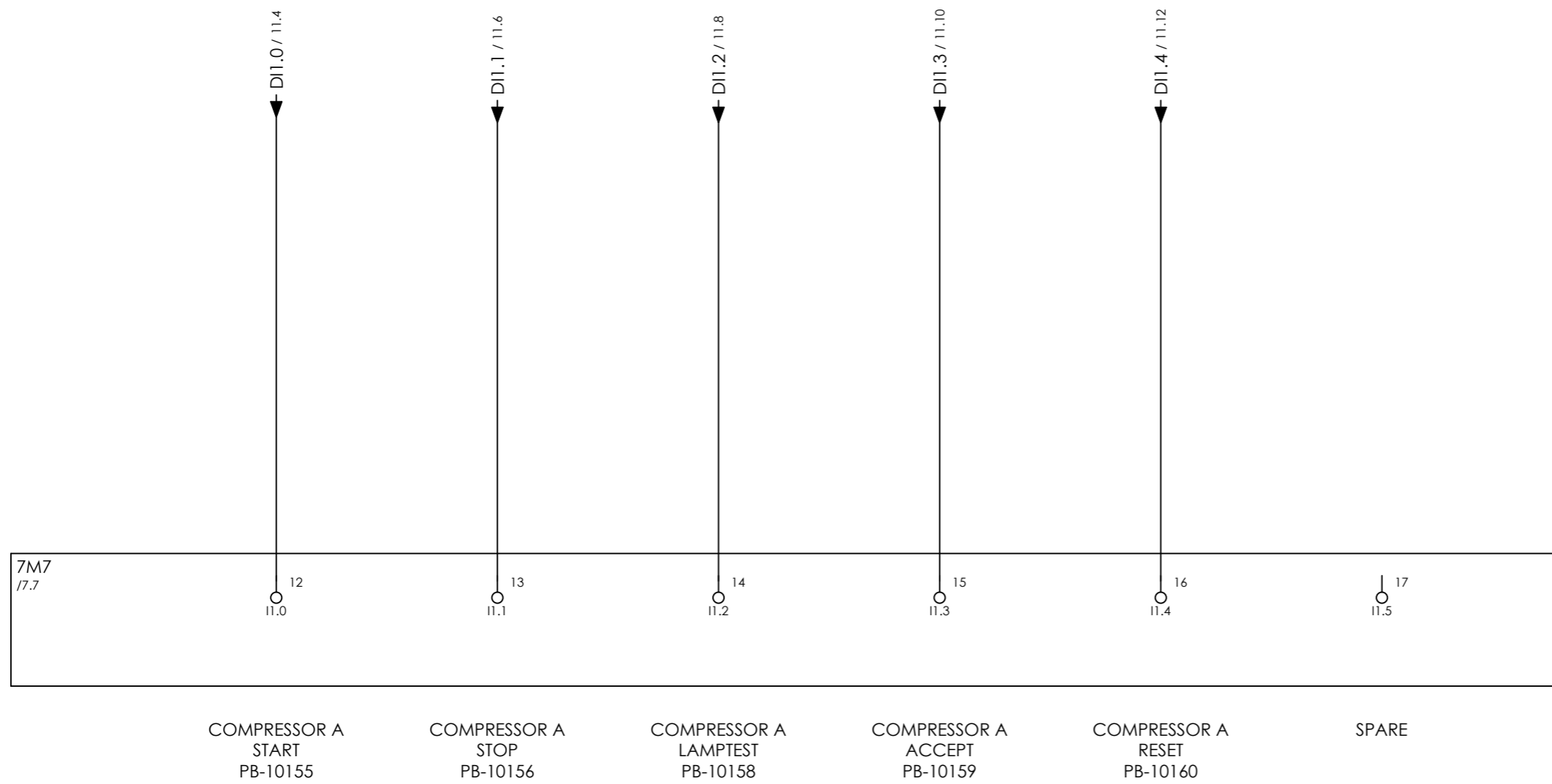


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	45

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

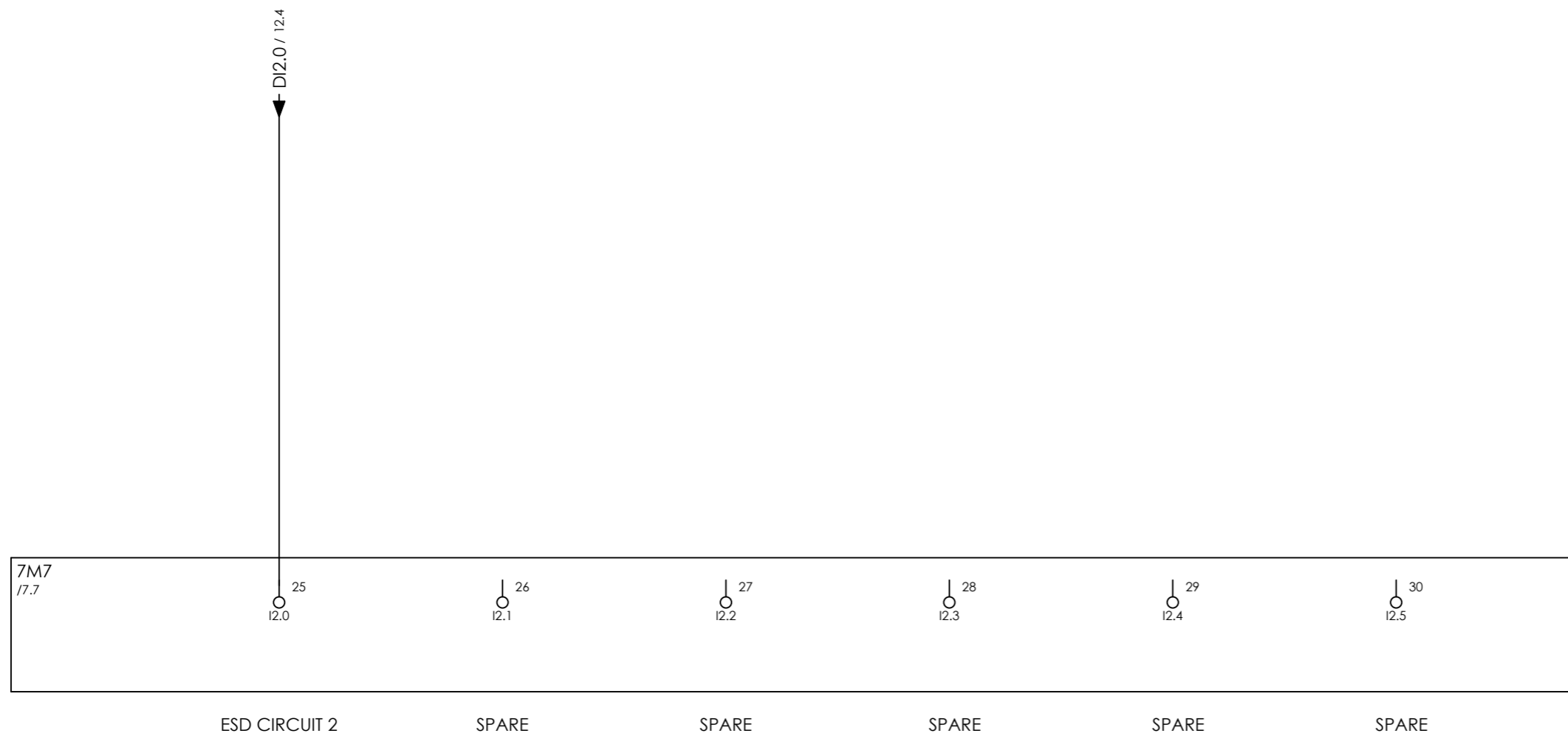


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	46

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

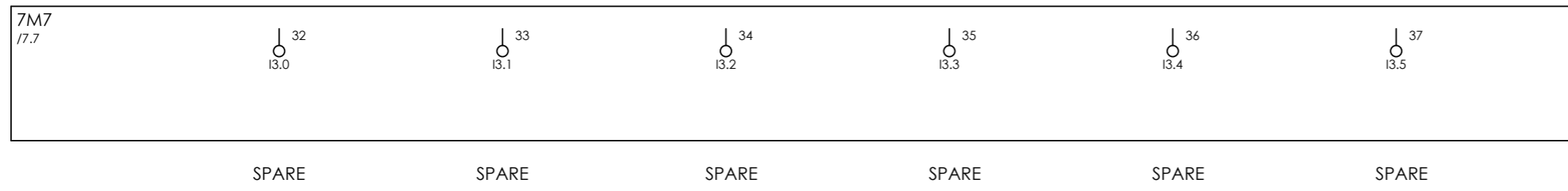


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	47

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

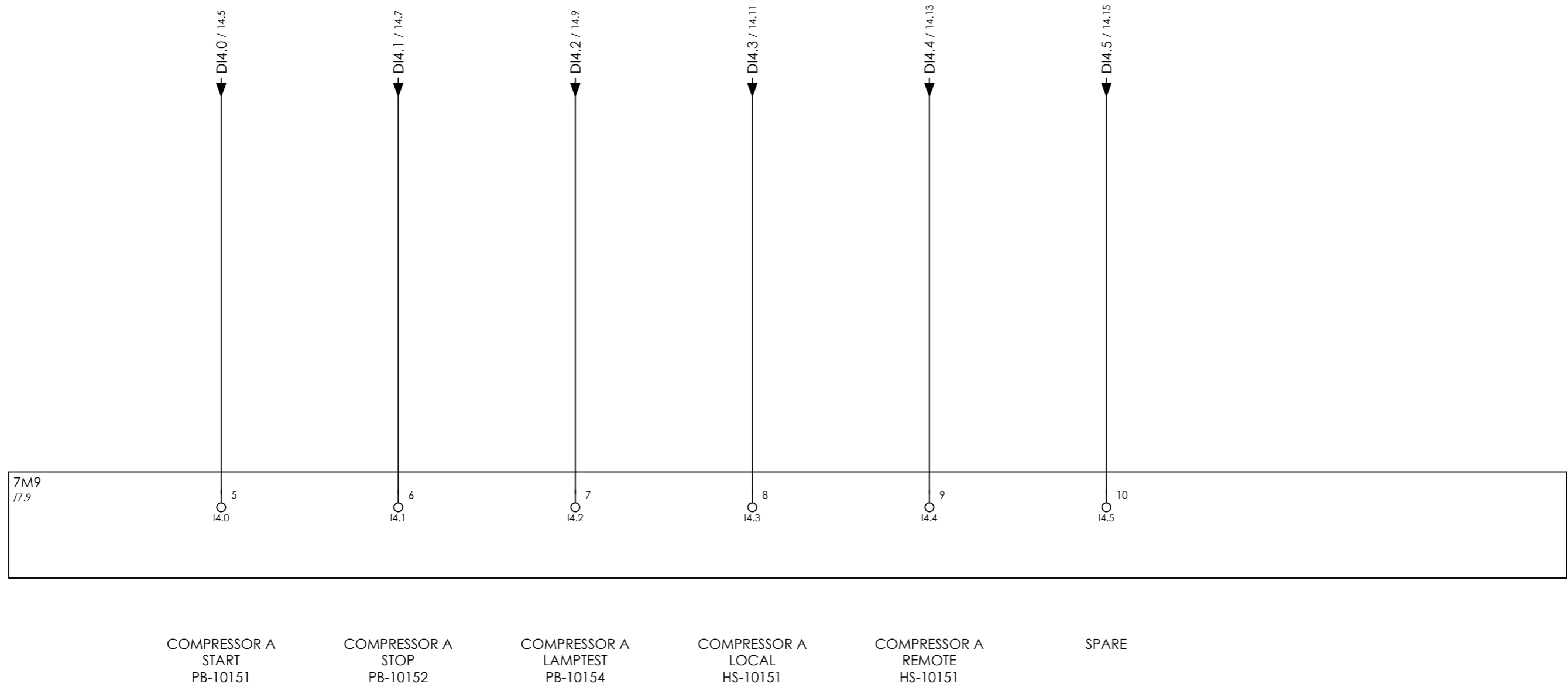


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	48

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

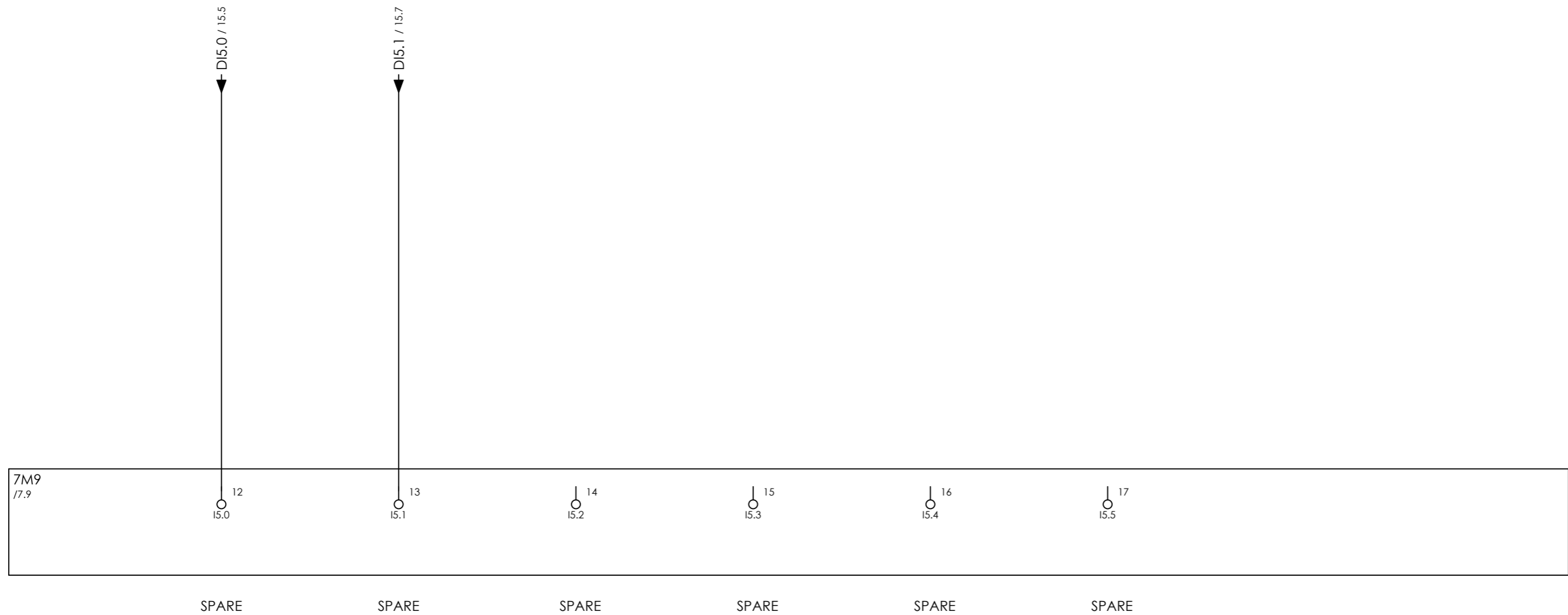


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	49

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

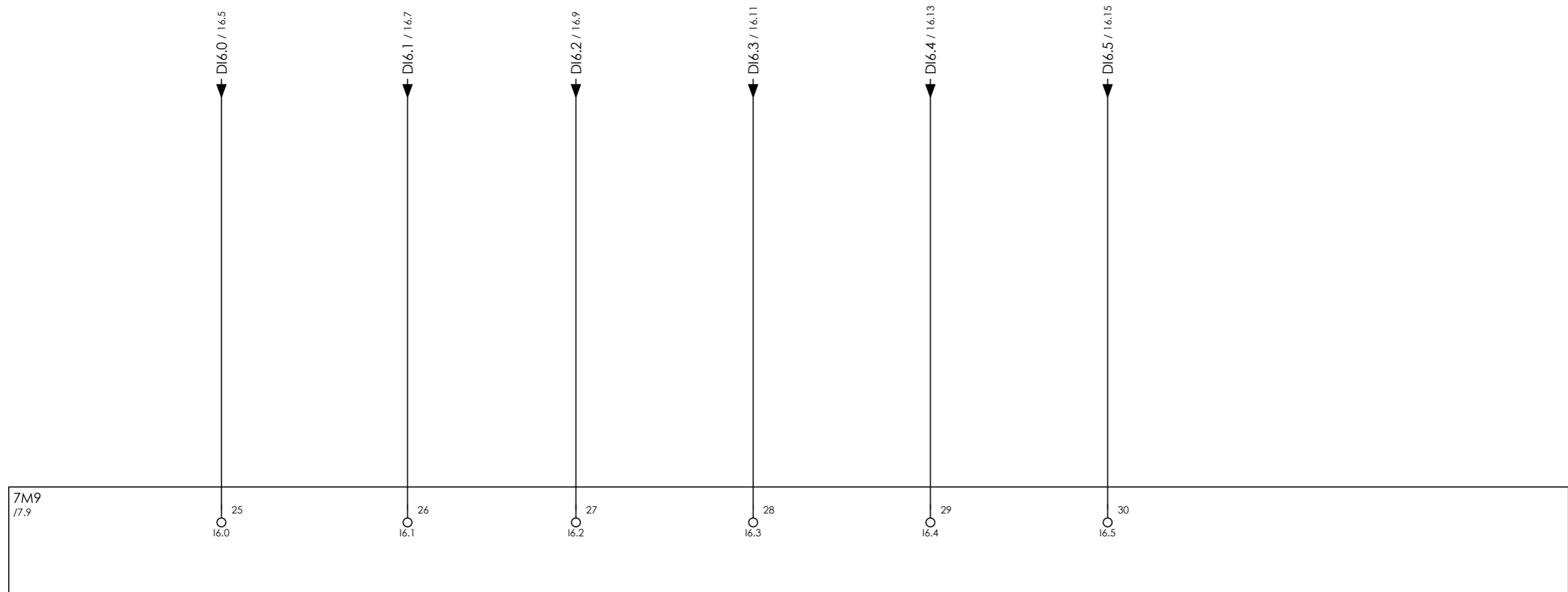


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	50

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



COMPRESSOR A MAIN MOTOR 20-C-1002-M RUNNING COMPRESSOR A MAIN MOTOR 20-C-1002-M FAULT COMPRESSOR A OIL HEATER LG-10151 ON COMPRESSOR A OIL HEATER LG-10151 FAULT SPARE SPARE

Signals tag number as per I/O list shall be specified.

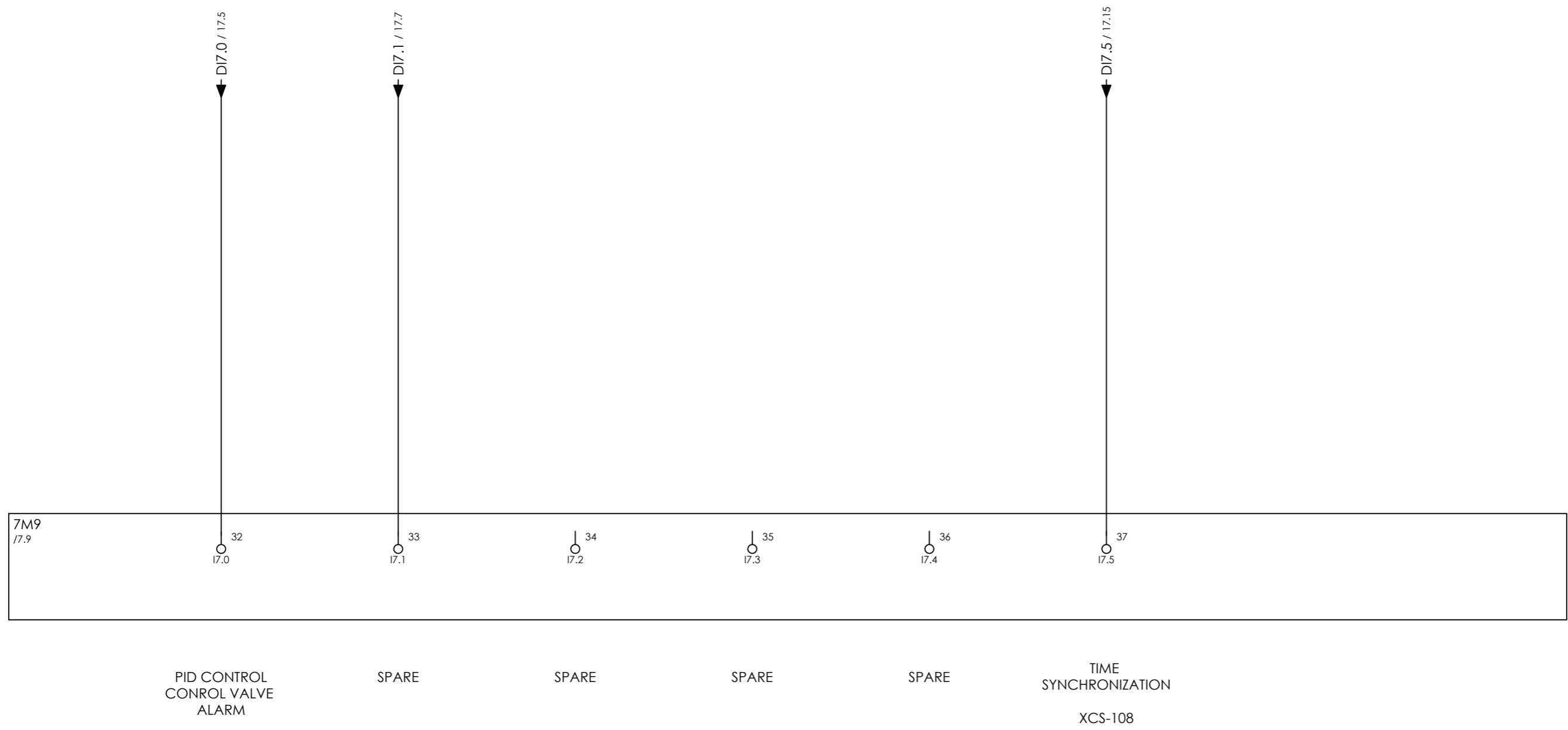


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	51

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

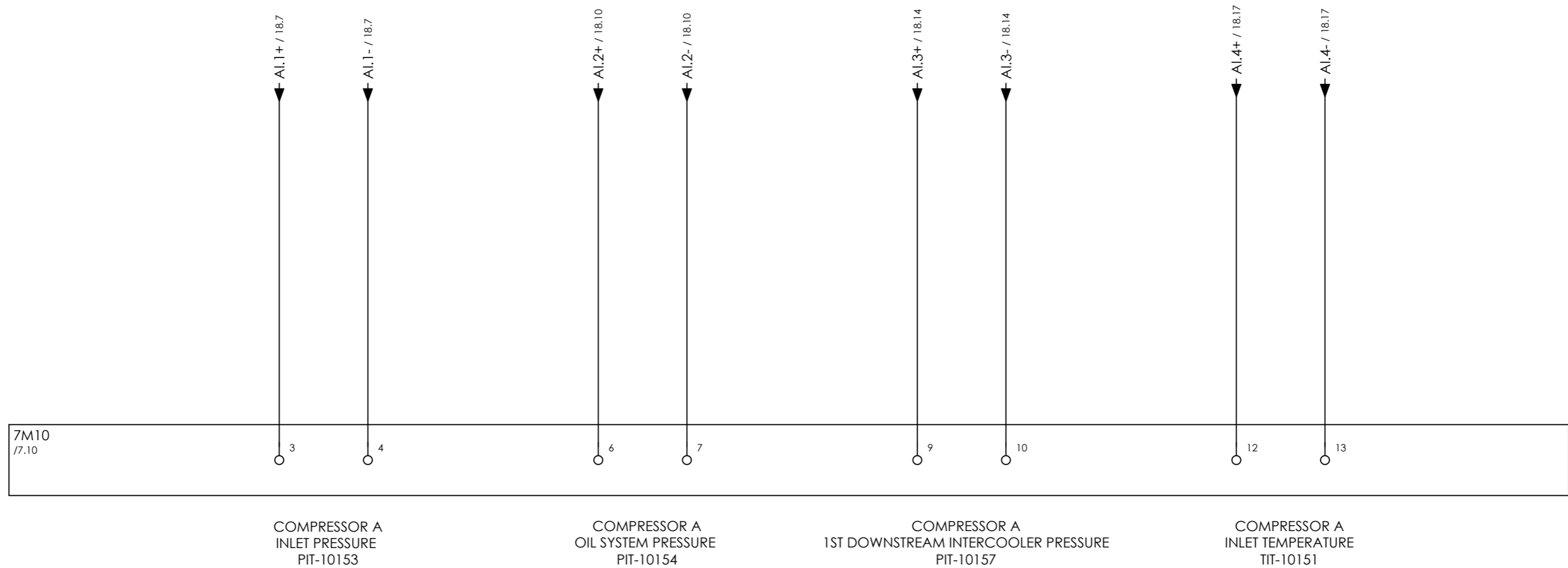


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT DIGITAL INPUTS 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	52

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

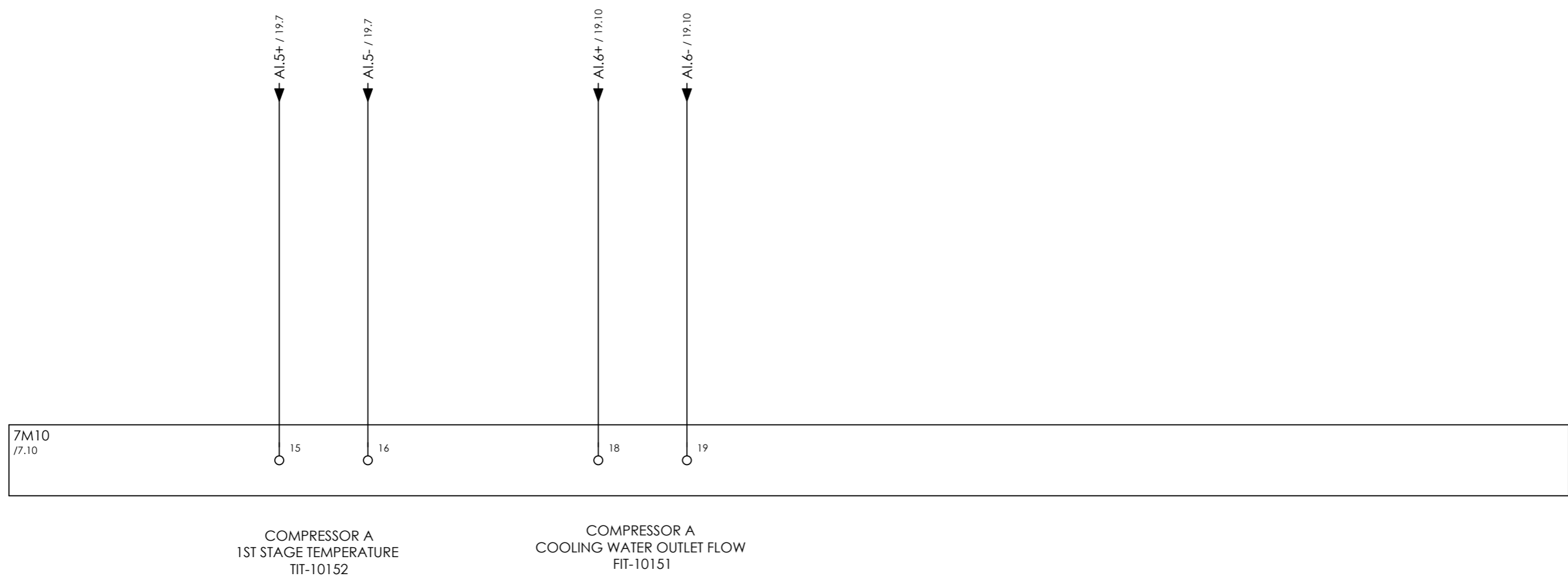


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	53

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

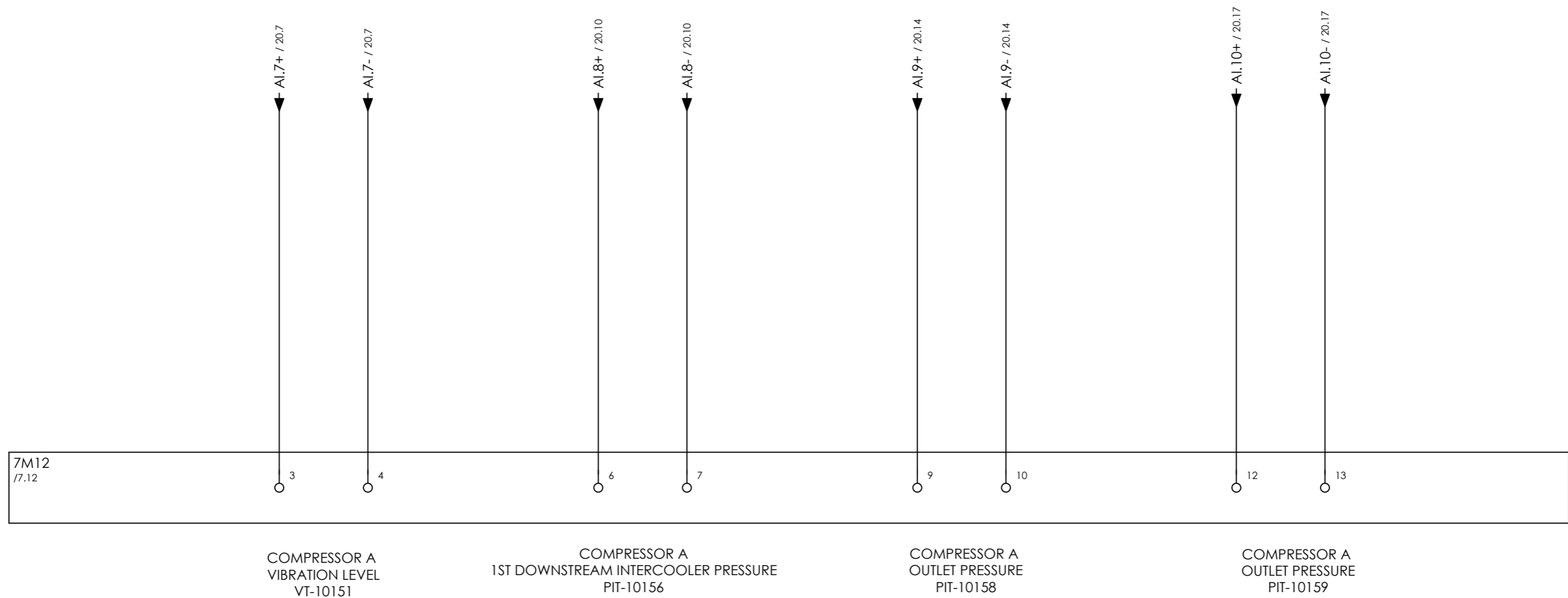


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT ANALOG INPUTS II [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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	54

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

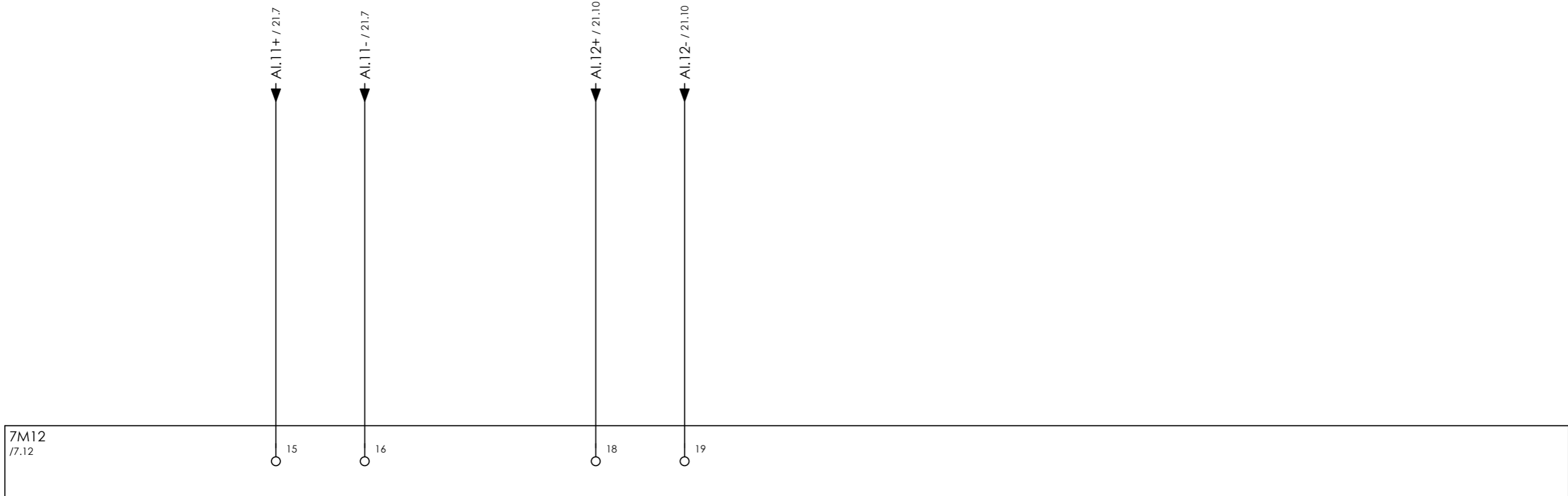


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT ANALOG INPUTS II [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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	55

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



COMPRESSOR A
1ST STAGE TEMPERATURE
TIT-10153

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER
TEMPERATURE
TIT-10154

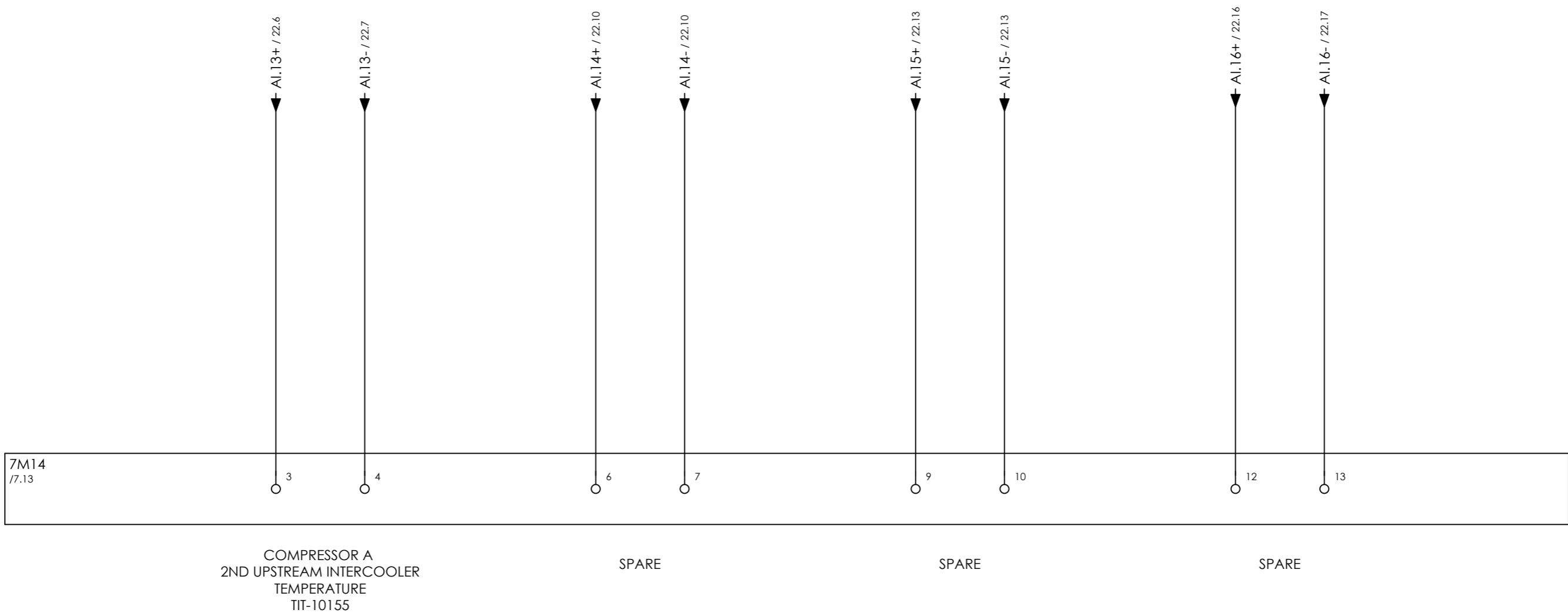


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	56

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



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 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	57

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



SPARE

SPARE

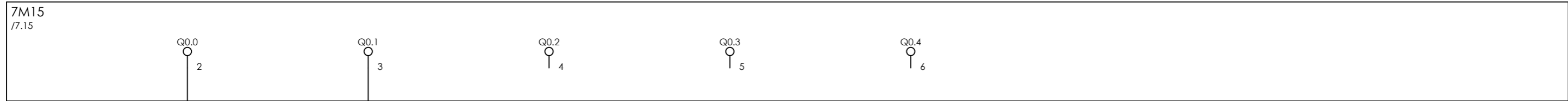


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	58

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



ESD RELAY 01

ESD RELAY 02

SPARE

SPARE

SPARE

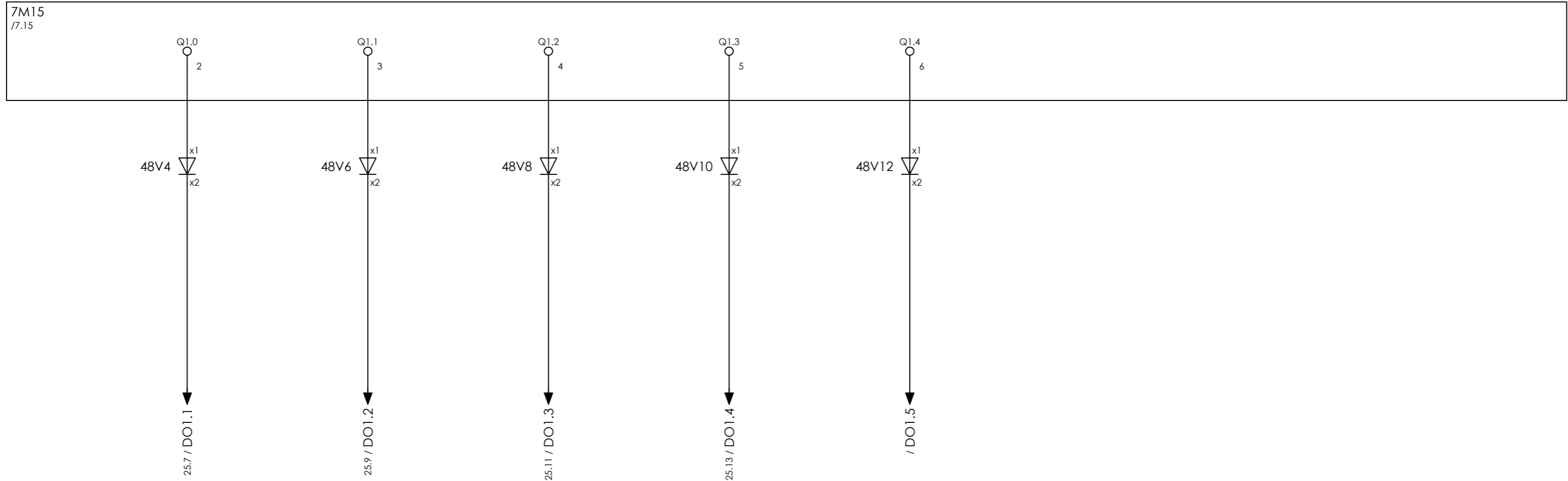


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	59

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



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

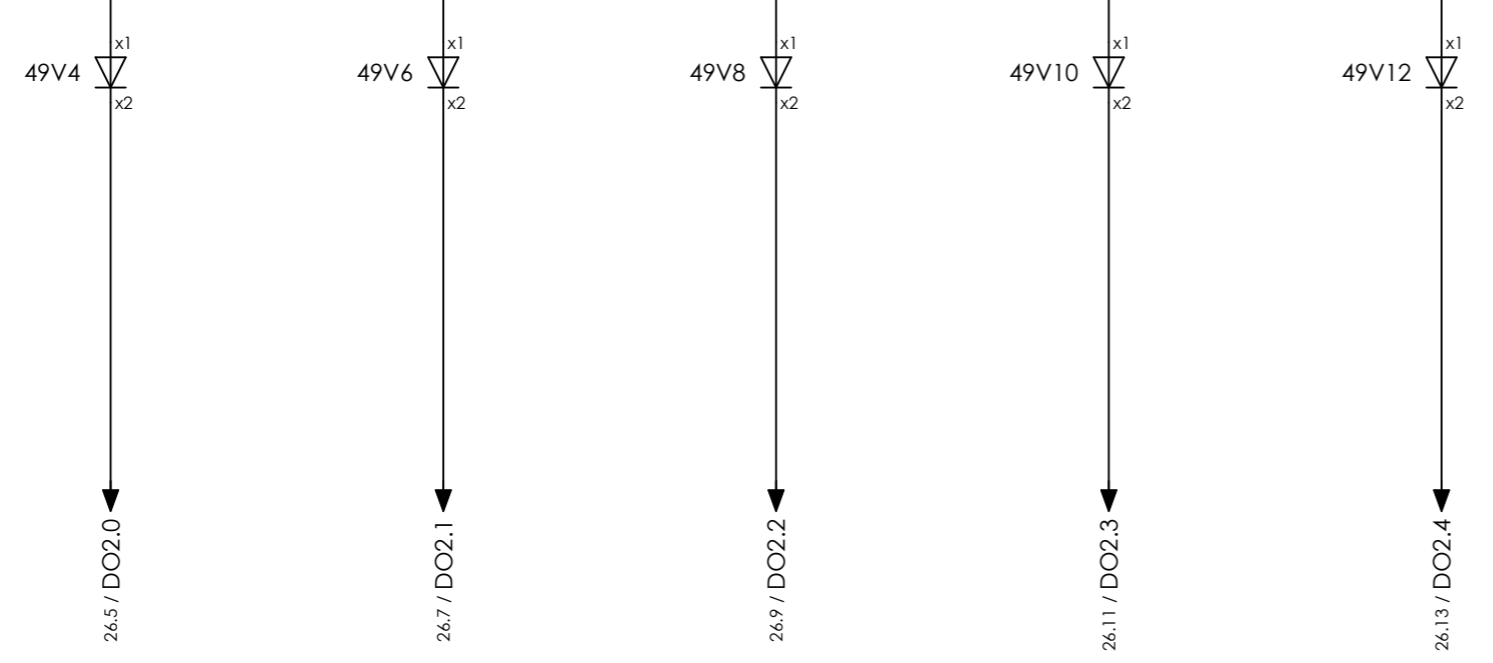


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
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

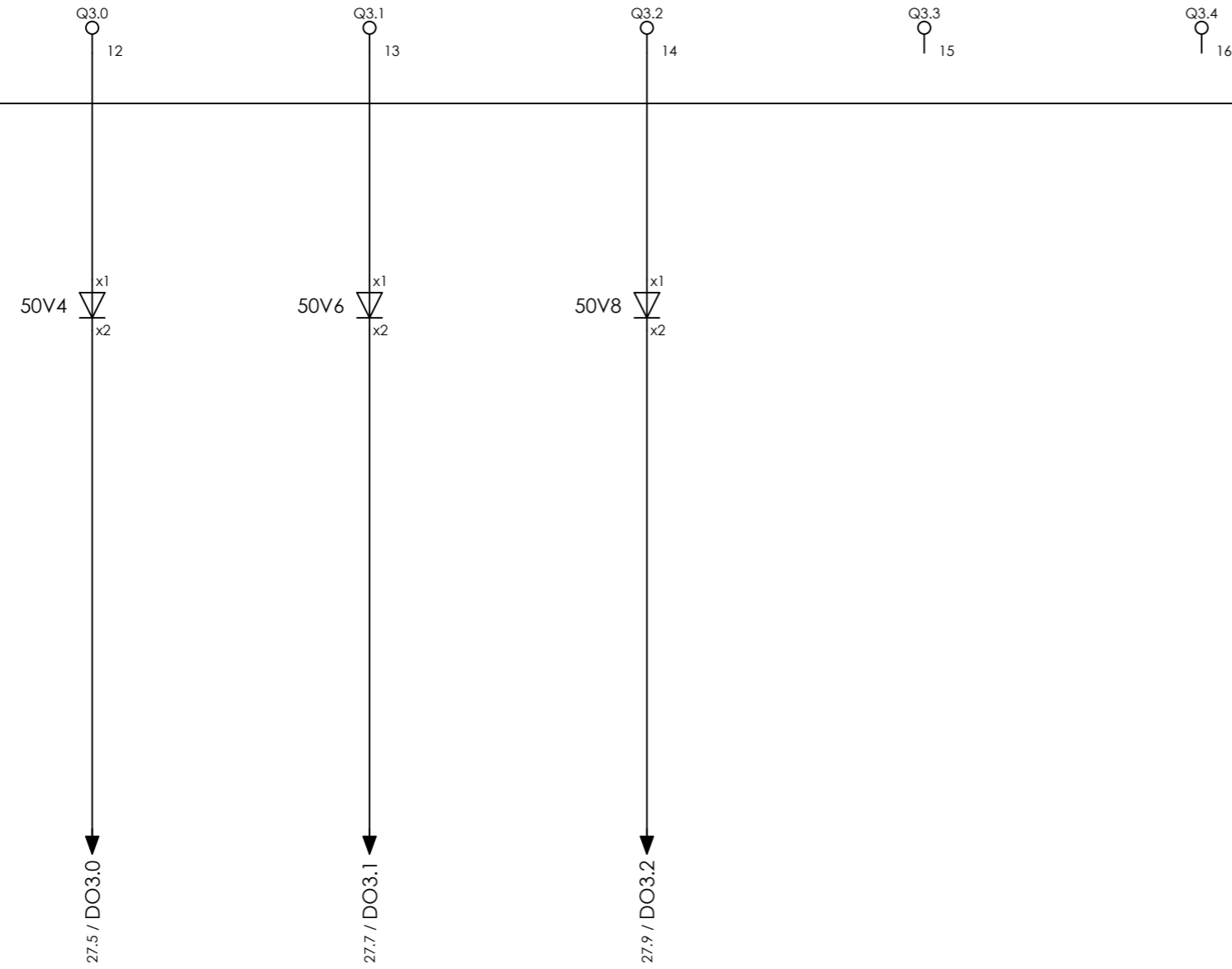
COMPRESSOR A
COMMON TRIP
XL-10154

SPARE



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT		DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	DIGITAL OUTPUTS II [7M16]		CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	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	03	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	61	

7M16
/7.16



SPARE

SPARE

COMPRESSOR A
FORCED SHUTDOWN

SPARE

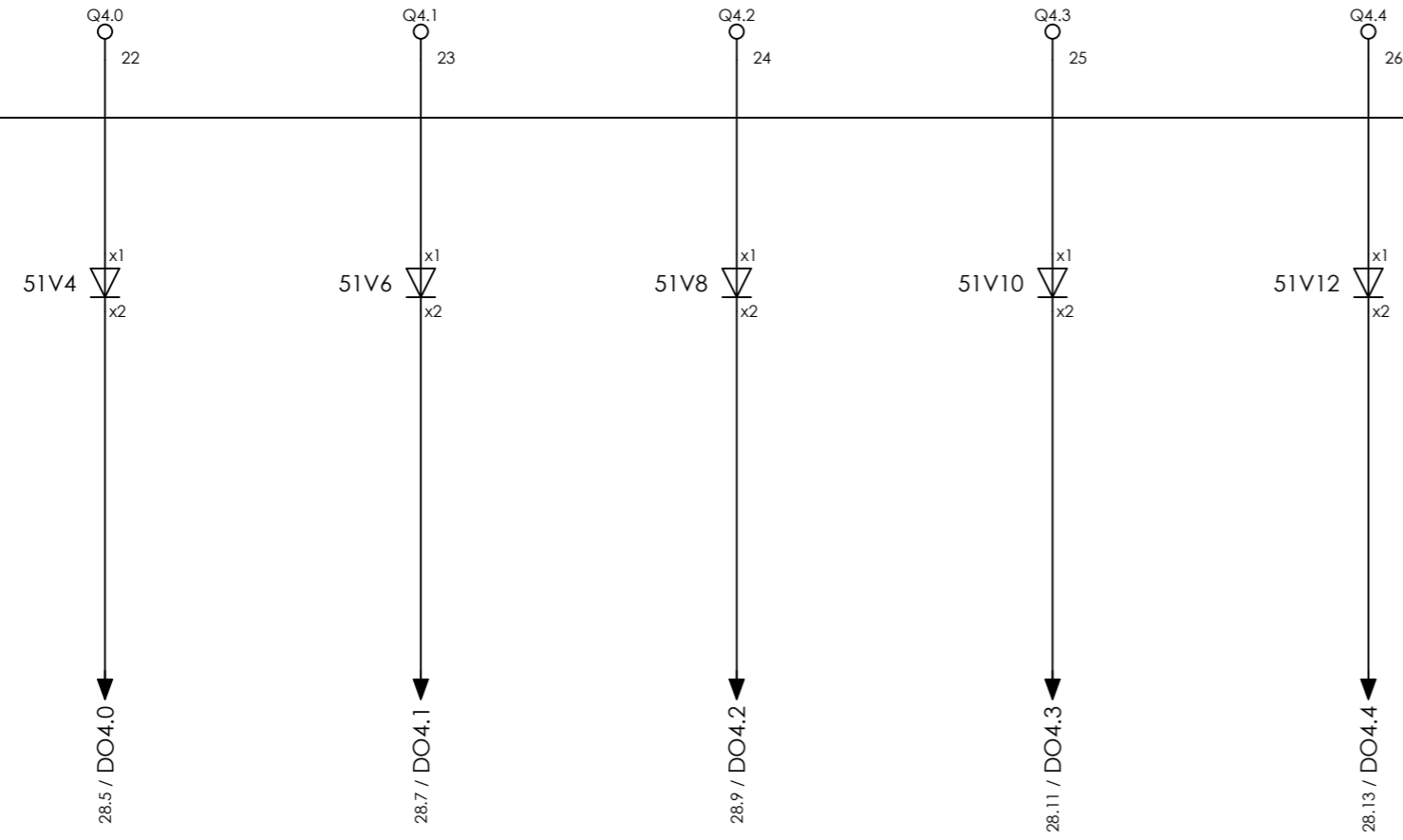
SPARE

Signals tag number as per I/O list shall be specified. (HS-10121-SD)



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043	SUBJECT	DRAWN BY	MaGo	= 20-C-1002
EQUIPMENT NO.	20-C-1002	DIGITAL OUTPUTS II [7M16]	CHECKED BY	RBE	+ UCP-C1002-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	LAST MODIFICATION DATE	10-5-2022	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	03	
	AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	62	

7M18
/7.18



COMPRESSOR A
SOLENOID VALVE
XY-10151

COMPRESSOR A
SOLENOID VALVE
XY-10152

SPARE

SPARE

PID CONTROL
ACTIVE



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 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	63

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

7M18
/7.18

Q5.0
22

Q5.1
23

Q5.2
24

Q5.3
25

Q5.4
26

SPARE

SPARE

SPARE

SPARE

SPARE



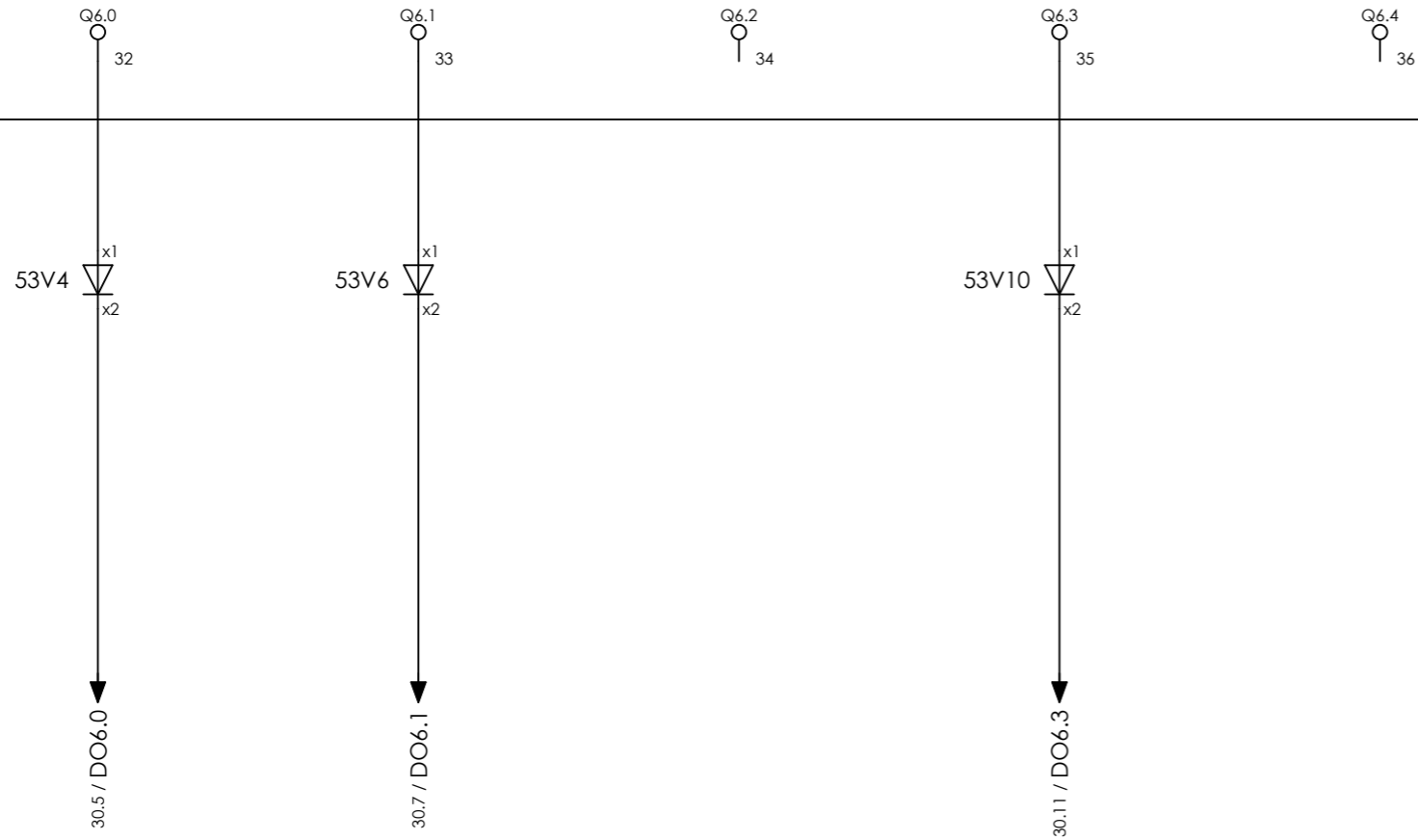
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	64

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

7M11



COMPRESSOR A
MAIN MOTOR 20-M-1002
START/STOP

COMPRESSOR A
OIL HEATER LG-10151
ON/OFF

SPARE

COMMON
ALARM
XAL-108-2

SPARE

Please modify
"common alarm"
to "S/D Status"

Signals tag number as per I/O list
shall be specified.
(XS-10122-ST/SP)
(XS-10123-ST/SP)



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

20-VD-303-IN-DIG-0043
C-1002
Onshore

SUBJECT		DRAWN BY	MaGo	= 20-C-1002
DIGITAL OUTPUTS II [7M19]		CHECKED BY	RBE	+ UCP-C1002-01
ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-05	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	03	
AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	65	

7M11

Q7.0
32

Q7.1
33

Q7.2
34

Q7.3
35

Q7.4
36

SPARE

SPARE

SPARE

SPARE

SPARE

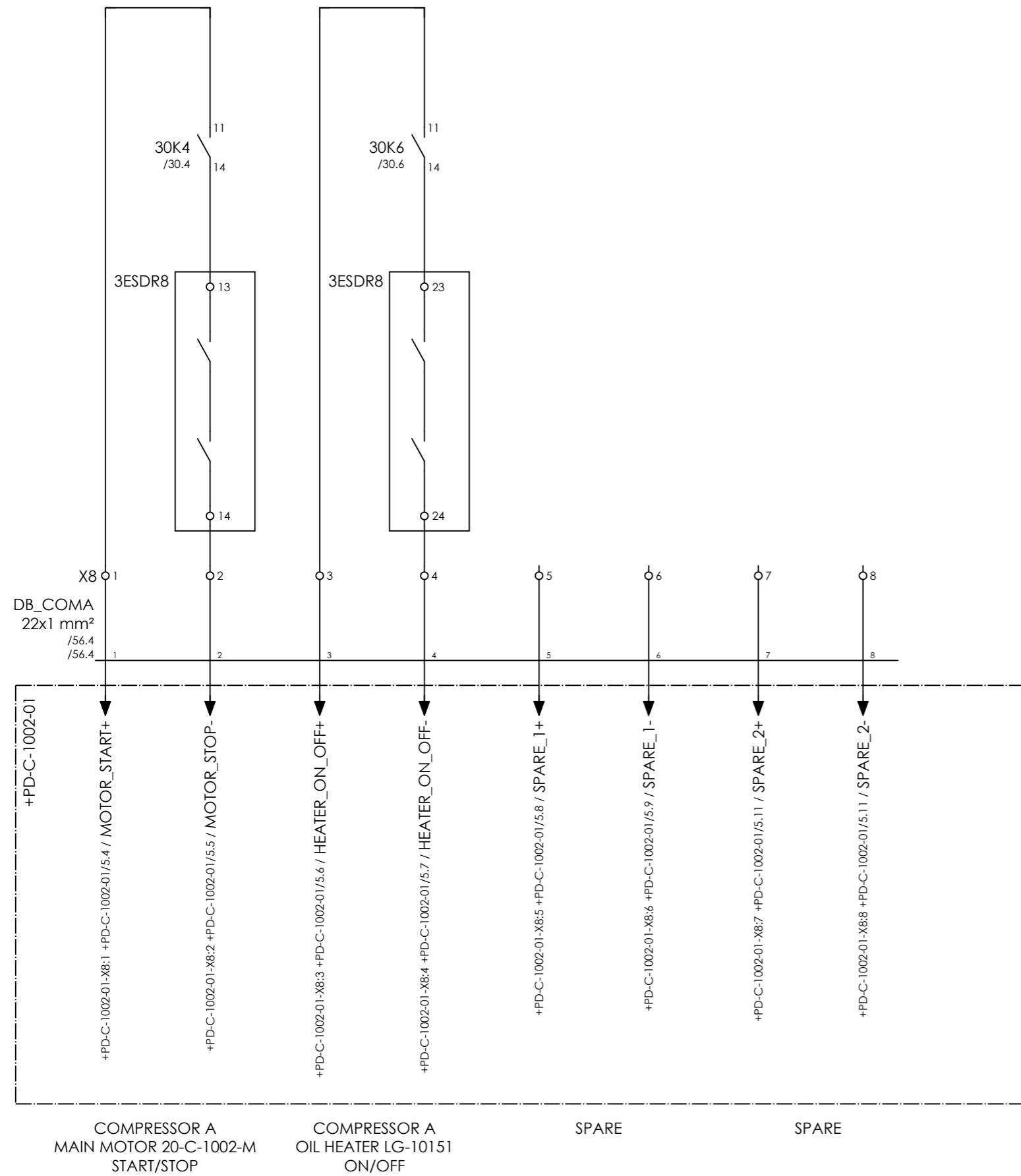


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT	
DIGITAL OUTPUTS 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	66

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



Signals tag number as per I/O list shall be specified.
(XS-10122-ST/SP)
(XS-10123-ST/SP)

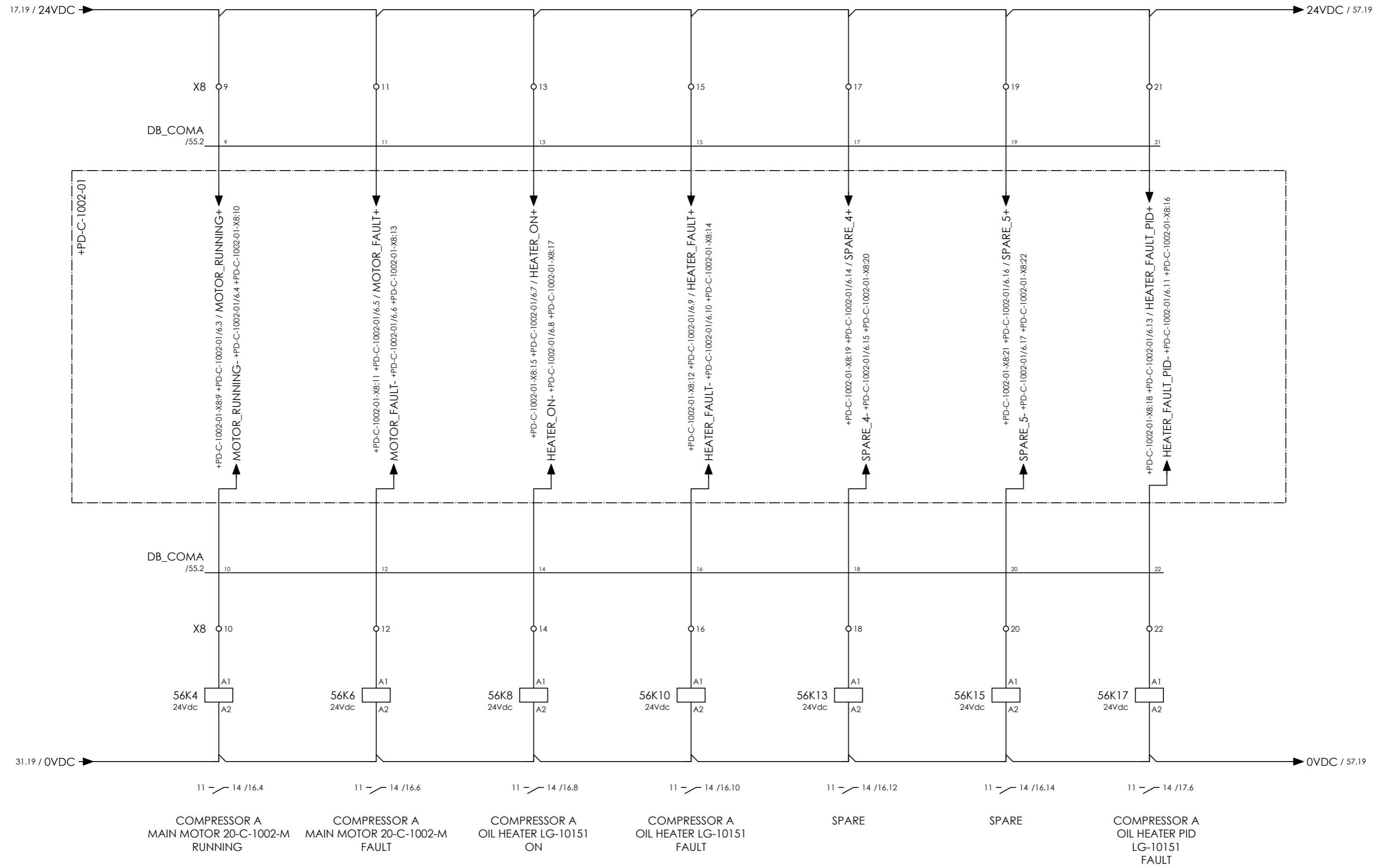


EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	67

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

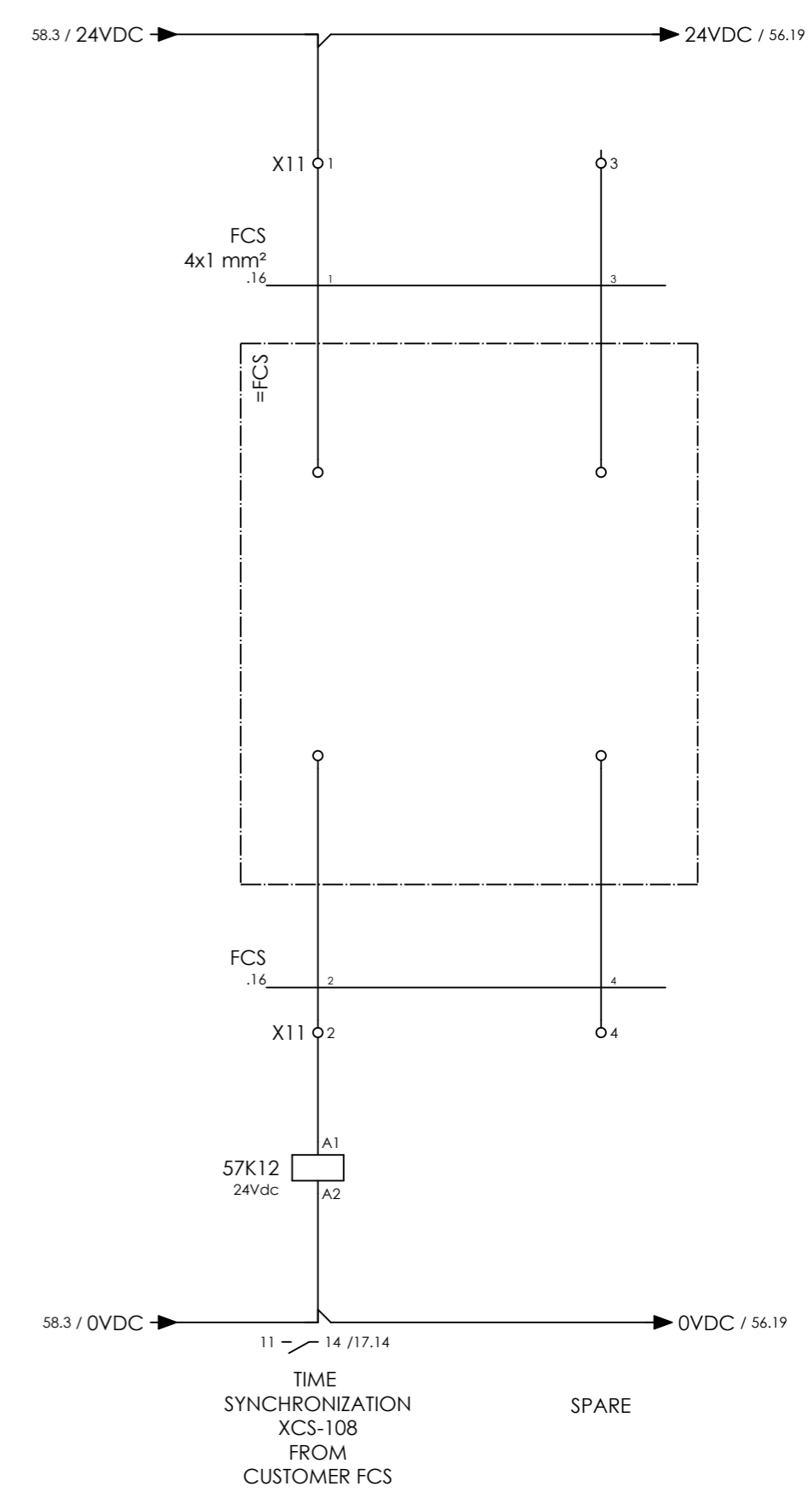
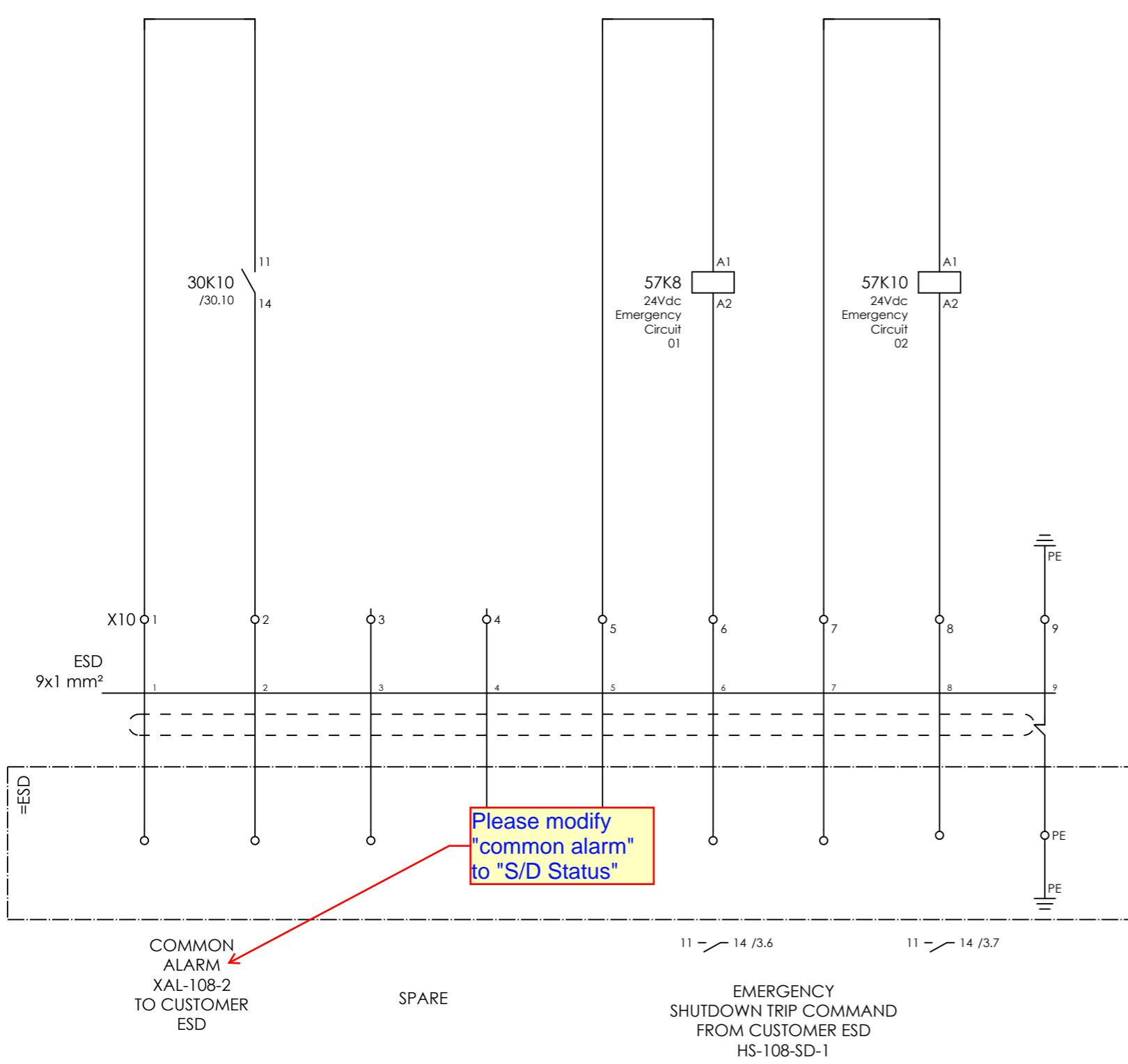


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

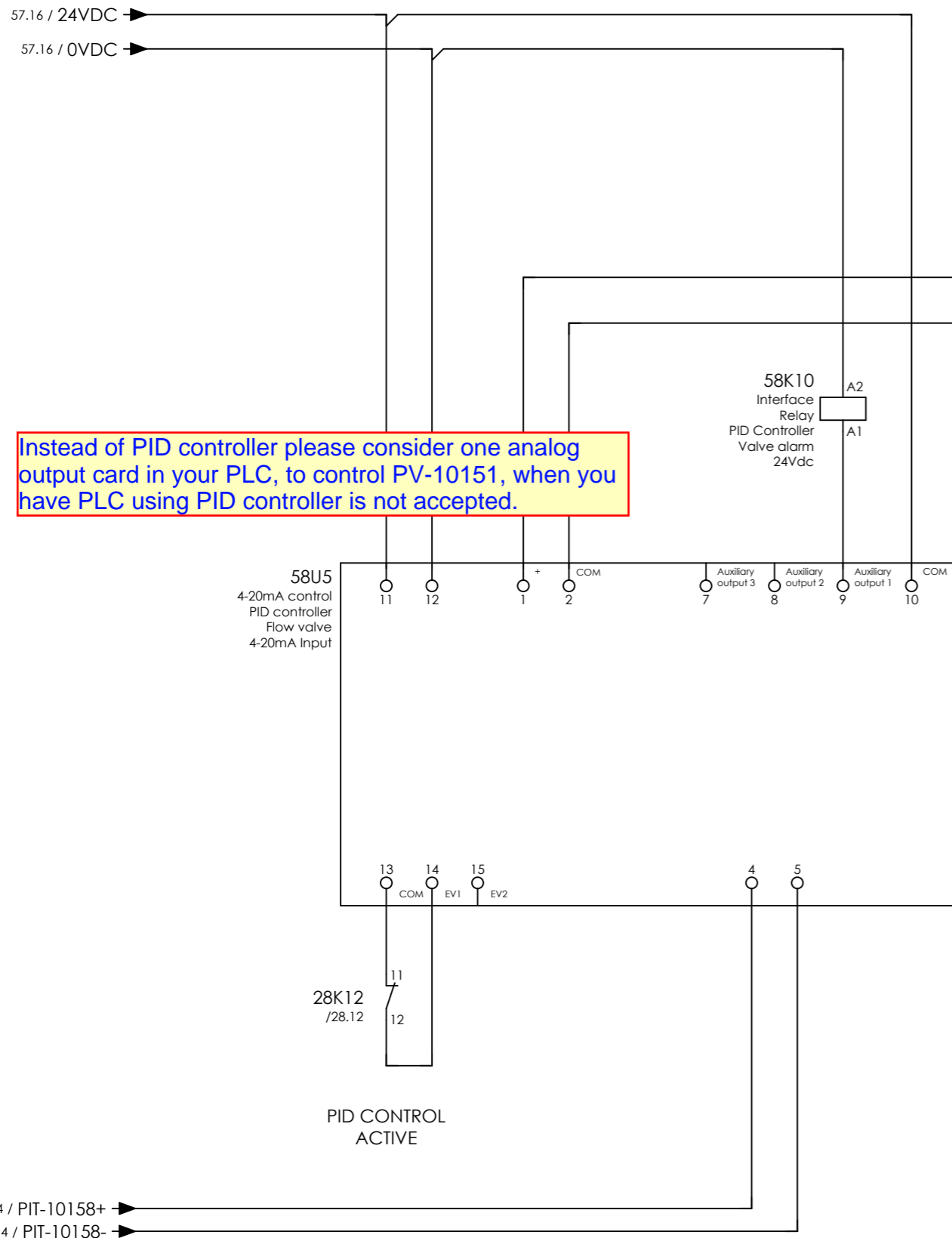
SUBJECT		SIGNALS FROM DISTRIBUTION BOARD	
ADAPTED TO P&ID REVISION	04	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	68

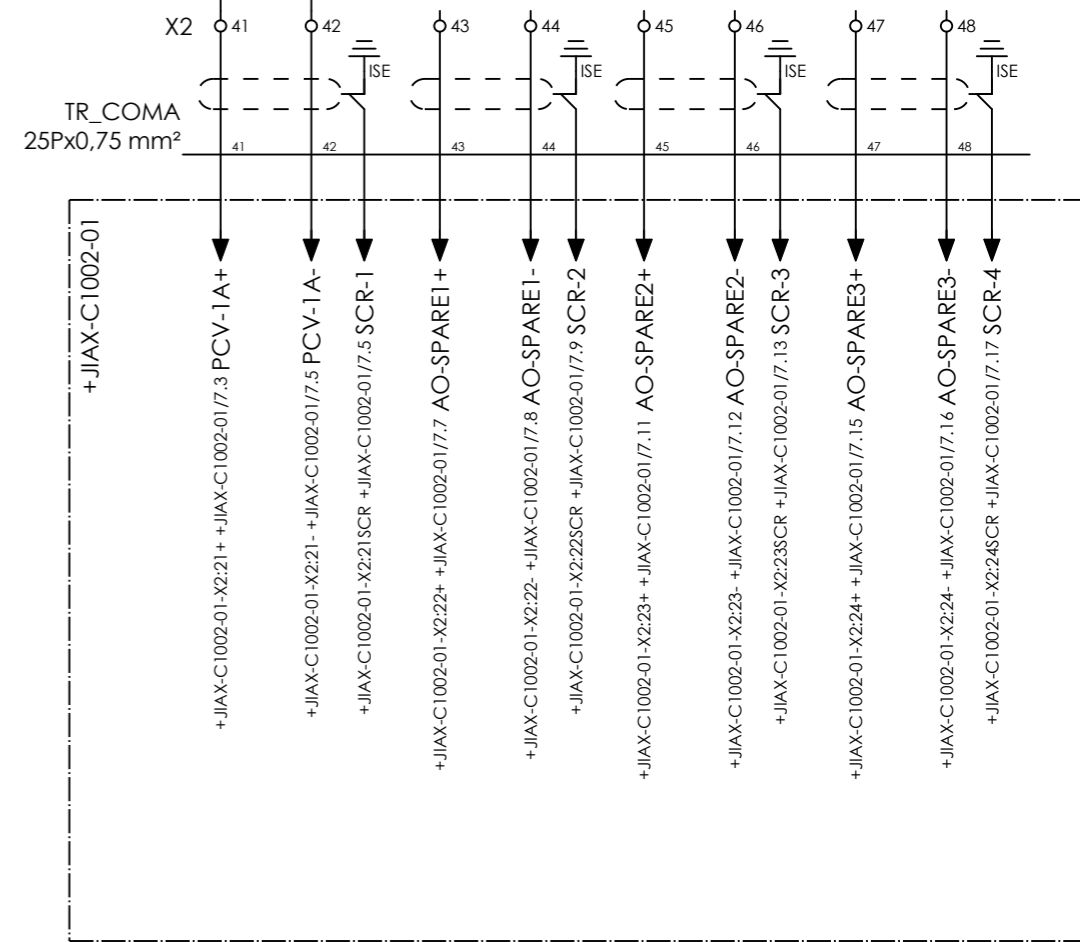
= 20-C-1002
+ UCP-C1002-01
CURRENT PAGE



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	10-5-2022	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	03	
		AIRPACK REF.	17811-05A	TOTAL PAGE AMOUNT	69	



Instead of PID controller please consider one analog output card in your PLC, to control PV-10151, when you have PLC using PID controller is not accepted.



COMPRESSOR A
OUTLET
CONTROL VALVE
PV-10151

SPARE

SPARE

SPARE

PID CONTROL
CONTROL VALVE
ALARM

11 - 14 / 17.4

Terminal diagram

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



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

SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 72

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

Terminal diagram

Cable name		Strip =20-C-1002+UCP-C1002-01-X2 ANALOGUE INPUTS										Cable name	
-TR_COMA	25Px0,75 mm²	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	-TR_COMA	25Px0,75 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	.				
				37	.	+JIAX-C1002-01-X2	19+	37	.				
				38	.	+JIAX-C1002-01-X2	19-	38	.				
				39	.	+JIAX-C1002-01-X2	20+	39	.				
				40	.	+JIAX-C1002-01-X2	20-	40	.				
		+JIAX-C1002-01-X2	21+	41	.	-58U5	1	41	.				
		+JIAX-C1002-01-X2	21-	42	.	-58U5	2	42	.				
		+JIAX-C1002-01-X2	22+	43	.			43	.				
		+JIAX-C1002-01-X2	22-	44	.			44	.				
		+JIAX-C1002-01-X2	23+	45	.			45	.				



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

SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-X2
 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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 73

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

Terminal diagram

Cable name		Strip										Cable name			
-LCP_COMA		=20-C-1002+UCP-C1002-01-X5 CONNECTION PUSHBUTTONS / LAMPS										15Px1 mm ²			
Terminal	Connection point	Target designation	Jumper	Terminal	Connection point	Target designation	Target designation	Terminal	Connection point	Target designation	Target designation	Terminal	Connection point	Target designation	Target designation
1	1	+LP-C1002-01-X5	•	1	1	-9V4	-9V4	1	1	+LP-C1002-01-X5	+LP-C1002-01-X5	1	x1	-9V4	-9V4
	5	-6M9	•	2	5	+LP-C1002-01-X5	+LP-C1002-01-X5	2	5	-6M9	+LP-C1002-01-X5	2	2	+LP-C1002-01-X5	+LP-C1002-01-X5
	5	-7M9			5										
3	3	+LP-C1002-01-X5	•	3	3			3	3	+LP-C1002-01-X5	+LP-C1002-01-X5	3			
	6	-6M9	•	4	6	+LP-C1002-01-X5	+LP-C1002-01-X5	4	6	-6M9	+LP-C1002-01-X5	4	4	+LP-C1002-01-X5	+LP-C1002-01-X5
	6	-7M9			6										
5	5	+LP-C1002-01-X5	•	5	5			5	5	+LP-C1002-01-X5	+LP-C1002-01-X5	5			
	7	-6M9	•	6	7	+LP-C1002-01-X5	+LP-C1002-01-X5	6	7	-6M9	+LP-C1002-01-X5	6	6	+LP-C1002-01-X5	+LP-C1002-01-X5
	7	-7M9			7										
7	7	+LP-C1002-01-X5	•	7	7			7	7	+LP-C1002-01-X5	+LP-C1002-01-X5	7			
	8	-6M9	•	8	8	+LP-C1002-01-X5	+LP-C1002-01-X5	8	8	-6M9	+LP-C1002-01-X5	8	8	+LP-C1002-01-X5	+LP-C1002-01-X5
	8	-7M9			8										
9	9	+LP-C1002-01-X5	•	9	9			9	9	+LP-C1002-01-X5	+LP-C1002-01-X5	9			
	9	-6M9	•	10	9	+LP-C1002-01-X5	+LP-C1002-01-X5	10	9	-6M9	+LP-C1002-01-X5	10	10	+LP-C1002-01-X5	+LP-C1002-01-X5
	9	-7M9			9										
11	11	+LP-C1002-01-X5	•	11	11			11	11	+LP-C1002-01-X5	+LP-C1002-01-X5	11			
	10	-6M9	•	12	10	+LP-C1002-01-X5	+LP-C1002-01-X5	12	10	-6M9	+LP-C1002-01-X5	12	12	+LP-C1002-01-X5	+LP-C1002-01-X5
	10	-7M9			10										
13	13	+LP-C1002-01-X5	•	13	13			13	13	+LP-C1002-01-X5	+LP-C1002-01-X5	13			
	12	-6M9	•	14	12	+LP-C1002-01-X5	+LP-C1002-01-X5	14	12	-6M9	+LP-C1002-01-X5	14	14	+LP-C1002-01-X5	+LP-C1002-01-X5
	12	-7M9			12										
	13	-6M9	•	15	13	-56K4	-56K4	15	13	-6M9	-56K4	15	11	-56K4	-56K4
	13	-7M9			13										
15	15	+LP-C1002-01-X5	•	17	15			17	15	+LP-C1002-01-X5	+LP-C1002-01-X5	17	x2	-26V4	-26V4
	16	-6M9	•	16	16			16	16	-6M9		16	x2	-49V4	-49V4
	16	-7M9			16								x2	-9V4.1	-9V4.1
18	18	+LP-C1002-01-X5	•	18	18			18	18	+LP-C1002-01-X5	+LP-C1002-01-X5	18	x2	+LP-C1002-01-X5	+LP-C1002-01-X5
	18	-26V6	•	19	x2	-26V6	-26V6	19	x2	-26V6	-26V6	19	x2	-26V8	-26V8
	18	-49V6			x2	-49V6	-49V6		x2	-49V6	-49V6		x2	-49V8	-49V8
20	20	+LP-C1002-01-X5	•	20	18	+LP-C1002-01-X5	+LP-C1002-01-X5	20	18	+LP-C1002-01-X5	+LP-C1002-01-X5	20			
19	19	+LP-C1002-01-X5	•	21	19	+LP-C1002-01-X5	+LP-C1002-01-X5	21	19	+LP-C1002-01-X5	+LP-C1002-01-X5	21	x2	-26V8	-26V8
	20	+LP-C1002-01-X5	•	22	20	+LP-C1002-01-X5	+LP-C1002-01-X5	22	20	+LP-C1002-01-X5	+LP-C1002-01-X5	22	x2	-49V8	-49V8
22	22	+LP-C1002-01-X5	•	22	20	+LP-C1002-01-X5	+LP-C1002-01-X5	22	20	+LP-C1002-01-X5	+LP-C1002-01-X5	22			
21	21	+LP-C1002-01-X5	•	23	21	+LP-C1002-01-X5	+LP-C1002-01-X5	23	21	+LP-C1002-01-X5	+LP-C1002-01-X5	23	x2	-26V10	-26V10
	24	+LP-C1002-01-X5	•	24	22	+LP-C1002-01-X5	+LP-C1002-01-X5	24	22	+LP-C1002-01-X5	+LP-C1002-01-X5	24	x2	-49V10	-49V10
23	23	+LP-C1002-01-X5	•	25	23	+LP-C1002-01-X5	+LP-C1002-01-X5	25	23	+LP-C1002-01-X5	+LP-C1002-01-X5	25	x2	-26V12	-26V12
	26	+LP-C1002-01-X5	•	26	24	+LP-C1002-01-X5	+LP-C1002-01-X5	26	24	+LP-C1002-01-X5	+LP-C1002-01-X5	26	x2	-49V12	-49V12
27	27	+LP-C1002-01-X5	•	27	25	+LP-C1002-01-X5	+LP-C1002-01-X5	27	25	+LP-C1002-01-X5	+LP-C1002-01-X5	27	x2	-27V4	-27V4



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	Terminal diagram =20-C-1002+UCP-C1002-01-X5
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

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ UCP-C1002-01
LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	03	
TOTAL PAGE AMOUNT	76	

Terminal diagram

Cable name		Strip =20-C-1002+UCP-C1002-01-X8 SIGNALS TO / FROM DISTRIBUTION BOARD										Cable name	
-DB_COMA												-DB_COMA	
22x1 mm²												22x1 mm²	
Terminal	Connection point	Target designation	Jumper	Target designation	Terminal	Connection point	Target designation	Jumper	Target designation	Terminal	Connection point	Target designation	
1	1	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	1	1	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	1	1	+PD-C-1002-01-X8	
2	2	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	2	2	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	2	2	+PD-C-1002-01-X8	
3	3	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	3	3	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	3	3	+PD-C-1002-01-X8	
4	4	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	4	4	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	4	4	+PD-C-1002-01-X8	
5	5	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	5	5	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	5	5	+PD-C-1002-01-X8	
6	6	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	6	6	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	6	6	+PD-C-1002-01-X8	
7	7	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	7	7	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	7	7	+PD-C-1002-01-X8	
8	8	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	8	8	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	8	8	+PD-C-1002-01-X8	
	9	-57K12	.	+PD-C-1002-01-X8	9	9	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	9	9	+PD-C-1002-01-X8	
10	10	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	10	10	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	10	10	+PD-C-1002-01-X8	
	11		.	+PD-C-1002-01-X8	11	11	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	11	11	+PD-C-1002-01-X8	
12	12	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	12	12	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	12	12	+PD-C-1002-01-X8	
	13		.	+PD-C-1002-01-X8	13	13	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	13	13	+PD-C-1002-01-X8	
14	14	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	14	14	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	14	14	+PD-C-1002-01-X8	
	15		.	+PD-C-1002-01-X8	15	15	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	15	15	+PD-C-1002-01-X8	
16	16	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	16	16	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	16	16	+PD-C-1002-01-X8	
	17		.	+PD-C-1002-01-X8	17	17	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	17	17	+PD-C-1002-01-X8	
18	18	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	18	18	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	18	18	+PD-C-1002-01-X8	
	19		.	+PD-C-1002-01-X8	19	19	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	19	19	+PD-C-1002-01-X8	
20	20	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	20	20	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	20	20	+PD-C-1002-01-X8	
	21	-X11	.	+PD-C-1002-01-X8	21	21	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	21	21	+PD-C-1002-01-X8	
22	22	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	22	22	+PD-C-1002-01-X8	.	+PD-C-1002-01-X8	22	22	+PD-C-1002-01-X8	



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

SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-X8
 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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 78

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

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		1	.	-30K10	11			
2			.	-30K10		2	.	-30K10	14			
3			.			3	.					
4			.			4	.					
5				-57K8		5		-57K8	A1			
6				-57K8		6		-57K8	A2			
7				-57K10		7		-57K10	A1			
8				-57K10		8		-57K10	A2			
9					PE	9			PE			



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

SUBJECT Terminal diagram =20-C-1002+UCP-C1002-01-X10
 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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 80

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

TERMINAL STRIP DEFINITION

JUNCTION BOX
JNDX-C1002-01

X1 = CONNECTION SOLENOIDS

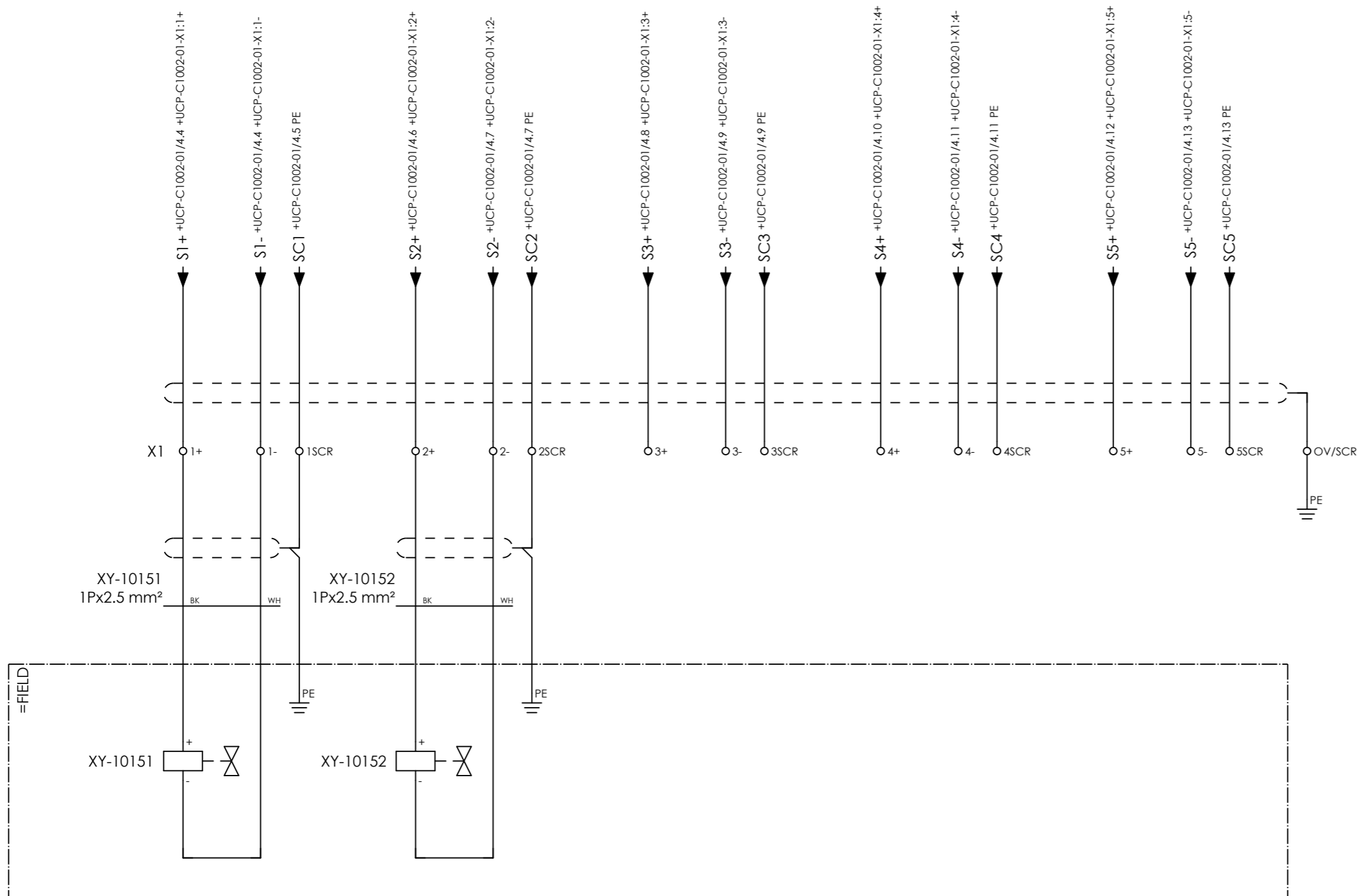


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

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



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			
Connection point	Target designation	Jumper	Terminal	Connection point	Target designation	1	2	3	4	5	6	7	8	9	10
1+	+UCP-C1002-01-X1	.	1+	+	=FIELD-XY-10151										
1-	+UCP-C1002-01-X1	.	1-	-	=FIELD-XY-10151										
PE		.	1SCR	PE											
2+	+UCP-C1002-01-X1	.	2+	+	=FIELD-XY-10152										
2-	+UCP-C1002-01-X1	.	2-	-	=FIELD-XY-10152										
PE		.	2SCR	PE											
3+	+UCP-C1002-01-X1	.	3+												
3-	+UCP-C1002-01-X1	.	3-												
PE		.	3SCR												
4+	+UCP-C1002-01-X1	.	4+												
4-	+UCP-C1002-01-X1	.	4-												
PE		.	4SCR												
5+	+UCP-C1002-01-X1	.	5+												
5-	+UCP-C1002-01-X1	.	5-												
PE		.	5SCR												
		.	OV/SCR	PE											

As per cable schedule shall be 5Px2.5

10x2.5 mm²

Connection point

Target designation

Jumper

Terminal

Connection point

Target designation

Cable name

Cable name



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

SUBJECT Terminal diagram =20-C-1002+JNDX-C1002-01-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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 84

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

TERMINAL STRIP DEFINITION

JUNCTION BOX
JIAX-C1002-01

X2 = CONNECTION TRANSMITTERS AND CONTROL VALVE

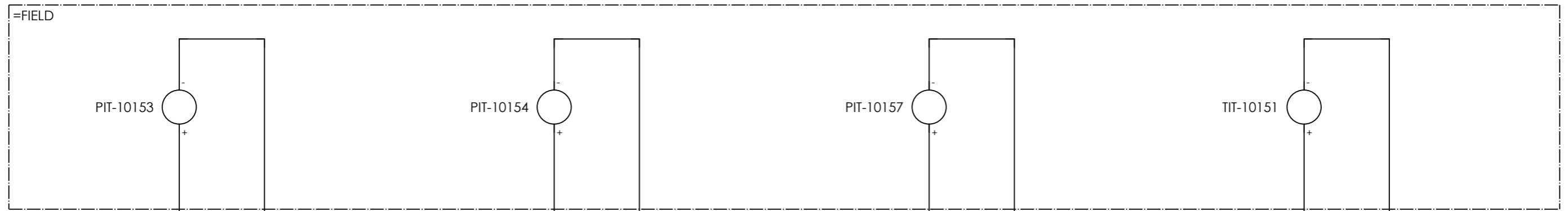


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

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



PIT-10153
1Px1.5 mm²

BK WH

X2 1+ 1- 1SCR

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

COMPRESSOR A
INLET PRESSURE
PIT-10153

PIT-10154
1Px1.5 mm²

BK WH

2+ 2- 2SCR

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

COMPRESSOR A
OIL SYSTEM PRESSURE
PIT-10154

PIT-10157
1Px1.5 mm²

BK WH

3+ 3- 3SCR

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

COMPRESSOR A
1ST DOWNSTREAM INTERCOOLER PRESSURE
PIT-10157

TIT-10151
1Px1.5 mm²

BK WH

4+ 4- 4SCR

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

COMPRESSOR A
INLET TEMPERATURE
TIT-10151

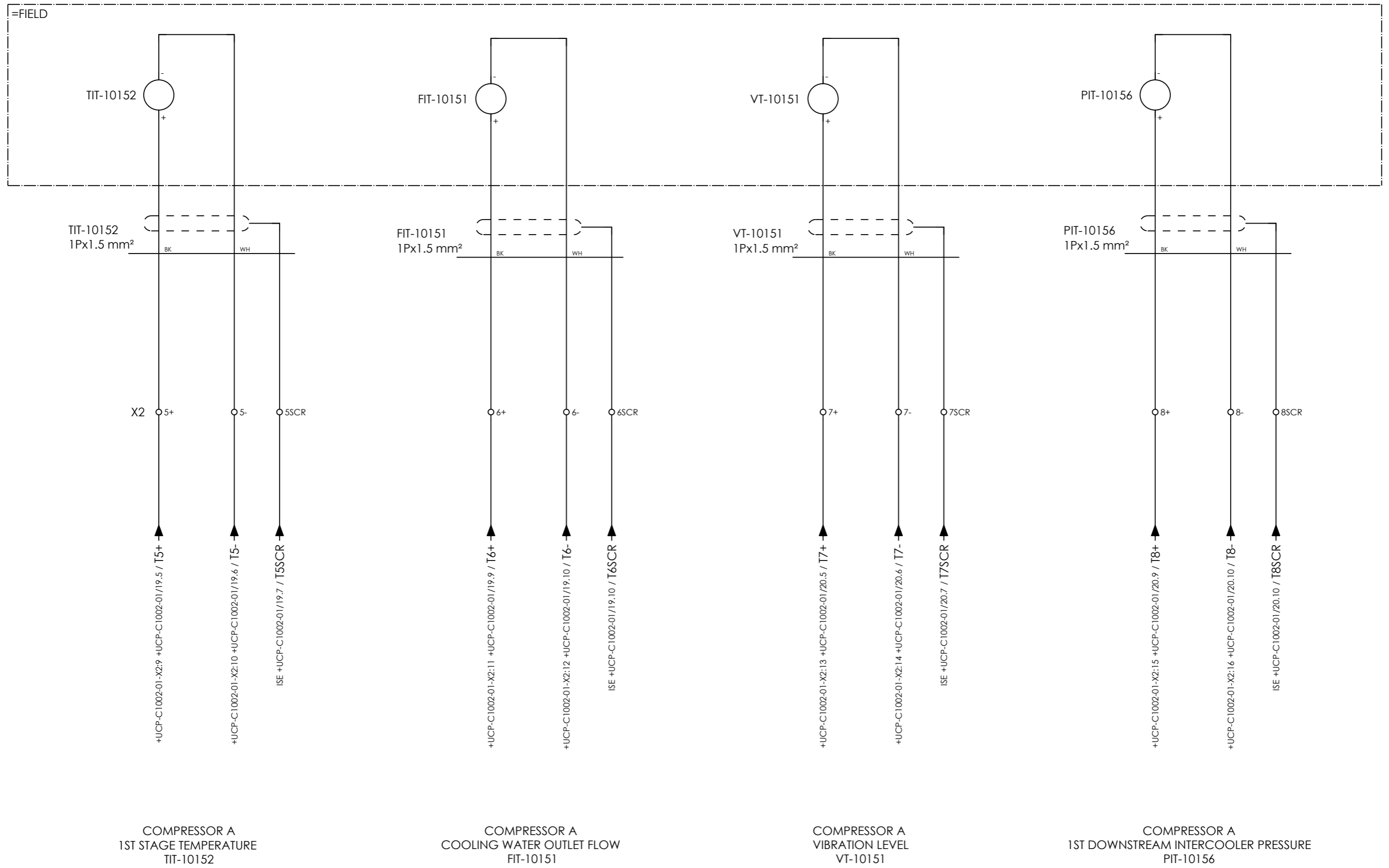


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	95

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



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



CLIENT DWG NO.	
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 CONNECTION TRANSMITTERS	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	95

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



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

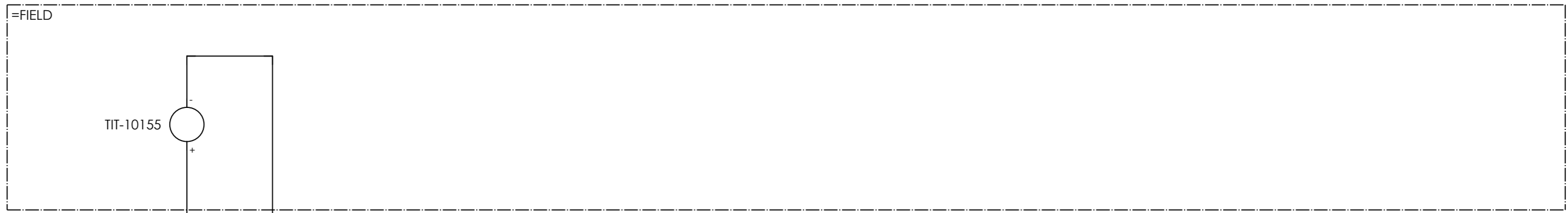


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	95

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



TIT-10155
1Px1.5 mm²

X2 13+ 13- 13SCR

+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

COMPRESSOR A
2ND UPSTREAM INTERCOOLER
TEMPERATURE
TIT-10155

14+ 14- 14SCR

+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

SPARE

15+ 15- 15SCR

29 +UCP-C1002-01/22.12 / T15+
30 +UCP-C1002-01/22.13 / T15-
ISE +UCP-C1002-01/22.13 / T15SCR

SPARE

16+ 16- 16SCR

31 +UCP-C1002-01/22.15 / T16+
32 +UCP-C1002-01/22.16 / T16-
ISE +UCP-C1002-01/22.17 / T16SCR

SPARE

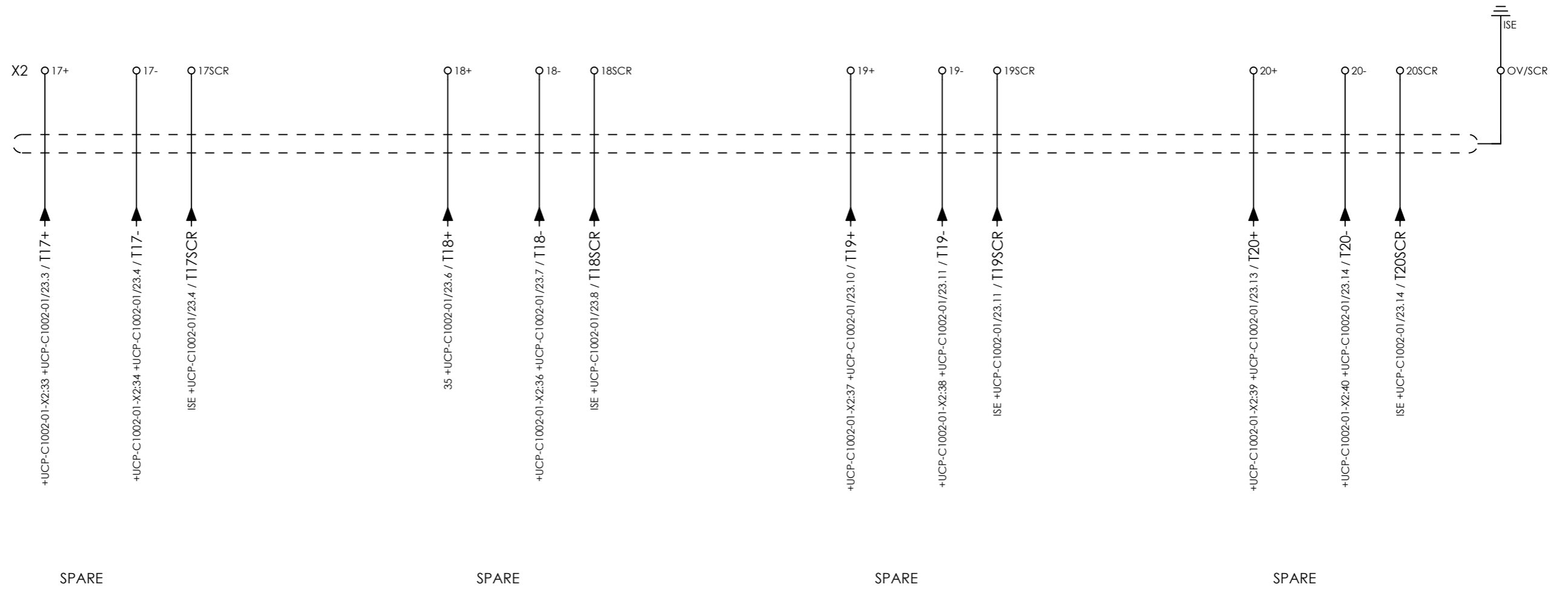


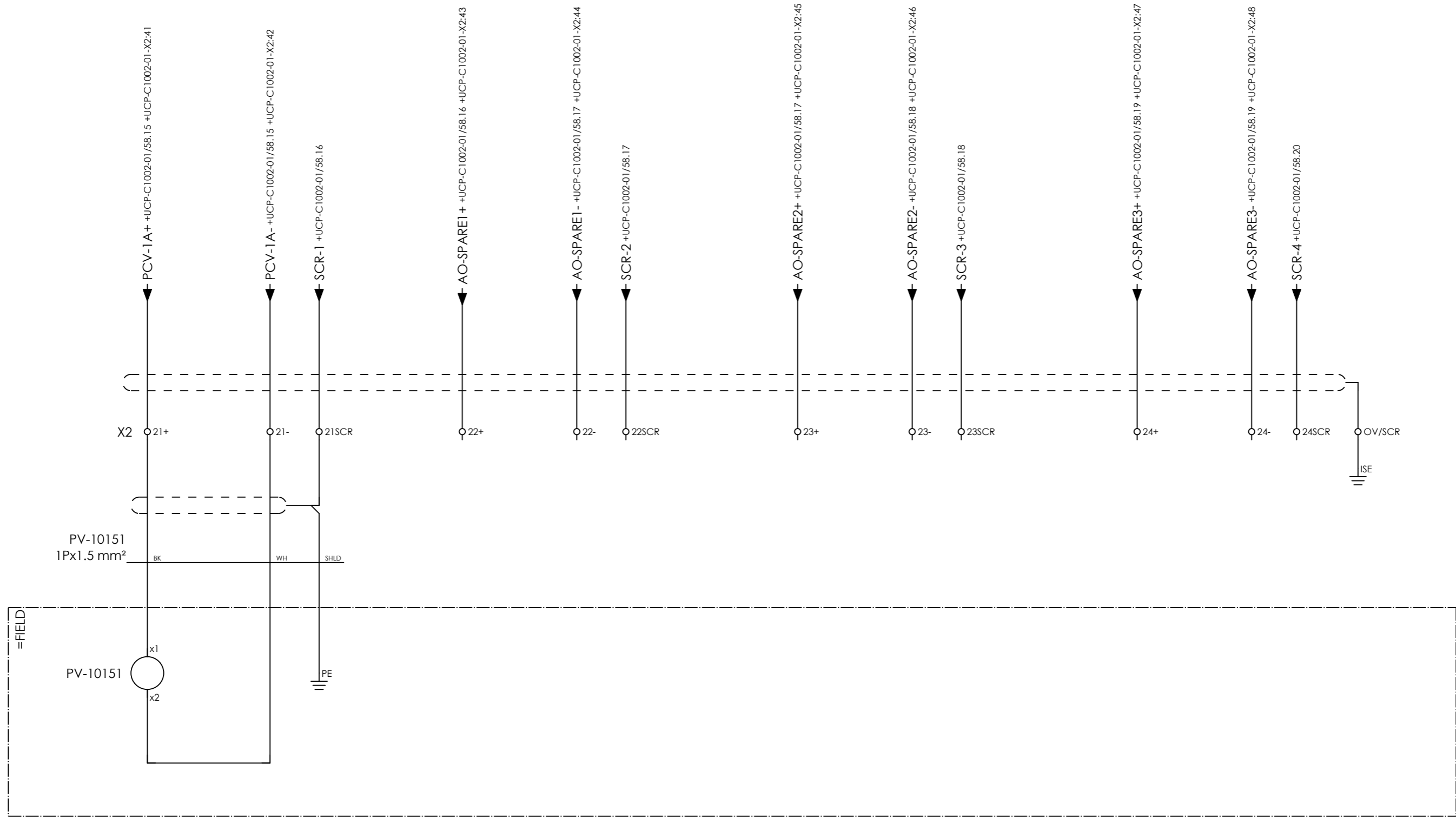
CLIENT DWG NO.
EQUIPMENT NO. 20-C-1002
EQUIPMENT LOCATION Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

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

DRAWN BY MaGo
CHECKED BY RBE
LAST MODIFICATION DATE 10-5-2022
AIRPACK DWG NO.
REVISION
PAGE NUMBER 95

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





COMPRESSOR A
OUTLET
CONTROL VALVE
PV-10151

SPARE

SPARE

SPARE



CLIENT DWG NO.	
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 CONNECTION CONTROL VALVE	
ADAPTED TO P&ID REVISION	
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-05A

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	95

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

Terminal diagram

Cable name		Cable name		Strip		Terminal		Jumper		Target designation		Connection point		Target designation		Connection point	
+UCP-C1002-01-TR_COMA	25Px0,75 mm²	+UCP-C1002-01-TR_COMA	25Px0,75 mm²	=20-C-1002+JIAX-C1002-01-X2		11SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
-PV-10151	1Px1.5 mm²	-TIT-10155	1Px1.5 mm²			12+	·	·	·	23	+UCP-C1002-01-X2	23	+UCP-C1002-01-X2	23	+UCP-C1002-01-X2	23	23
		-TIT-10154	1Px1.5 mm²			12-	·	·	·	24	+UCP-C1002-01-X2	24	+UCP-C1002-01-X2	24	+UCP-C1002-01-X2	24	24
			SHLD			12SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						13+	·	·	·	25	+UCP-C1002-01-X2	25	+UCP-C1002-01-X2	25	+UCP-C1002-01-X2	25	25
						13-	·	·	·	26	+UCP-C1002-01-X2	26	+UCP-C1002-01-X2	26	+UCP-C1002-01-X2	26	26
			SHLD			13SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						14+	·	·	·	27	+UCP-C1002-01-X2	27	+UCP-C1002-01-X2	27	+UCP-C1002-01-X2	27	27
						14-	·	·	·	28	+UCP-C1002-01-X2	28	+UCP-C1002-01-X2	28	+UCP-C1002-01-X2	28	28
						14SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						15+	·	·	·	29		29		29		29	29
						15-	·	·	·	30		30		30		30	30
						15SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						16+	·	·	·	31		31		31		31	31
						16-	·	·	·	32		32		32		32	32
						16SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						17+	·	·	·	33	+UCP-C1002-01-X2	33	+UCP-C1002-01-X2	33	+UCP-C1002-01-X2	33	33
						17-	·	·	·	34	+UCP-C1002-01-X2	34	+UCP-C1002-01-X2	34	+UCP-C1002-01-X2	34	34
						17SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						18+	·	·	·	35		35		35		35	35
						18-	·	·	·	36	+UCP-C1002-01-X2	36	+UCP-C1002-01-X2	36	+UCP-C1002-01-X2	36	36
						18SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						19+	·	·	·	37	+UCP-C1002-01-X2	37	+UCP-C1002-01-X2	37	+UCP-C1002-01-X2	37	37
						19-	·	·	·	38	+UCP-C1002-01-X2	38	+UCP-C1002-01-X2	38	+UCP-C1002-01-X2	38	38
						19SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						20+	·	·	·	39	+UCP-C1002-01-X2	39	+UCP-C1002-01-X2	39	+UCP-C1002-01-X2	39	39
						20-	·	·	·	40	+UCP-C1002-01-X2	40	+UCP-C1002-01-X2	40	+UCP-C1002-01-X2	40	40
						20SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						OV/SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						OV/SCR	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						41	·	·	·	41	+UCP-C1002-01-X2	41	+UCP-C1002-01-X2	41	+UCP-C1002-01-X2	41	41
						42	·	·	·	42	+UCP-C1002-01-X2	42	+UCP-C1002-01-X2	42	+UCP-C1002-01-X2	42	42
						ISE	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						ISE	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						ISE	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						ISE	·	·	·	ISE	ISE	ISE	ISE	ISE	ISE	ISE	ISE
						43	·	·	·	43	+UCP-C1002-01-X2	43	+UCP-C1002-01-X2	43	+UCP-C1002-01-X2	43	43
						44	·	·	·	44	+UCP-C1002-01-X2	44	+UCP-C1002-01-X2	44	+UCP-C1002-01-X2	44	44
						45	·	·	·	45	+UCP-C1002-01-X2	45	+UCP-C1002-01-X2	45	+UCP-C1002-01-X2	45	45
						46	·	·	·	46	+UCP-C1002-01-X2	46	+UCP-C1002-01-X2	46	+UCP-C1002-01-X2	46	46

Repeated Comment
20Px0,75 mm²

As per previous comment and your cable list, vendor must considered 20Px0.75 mm² cable, accordingly termination shall be modified



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

SUBJECT Terminal diagram =20-C-1002+JIAX-C1002-01-X2
 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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 94

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

TERMINAL STRIP DEFINITION

LOCAL CONTROL PANEL
LP-C1002-01

X5 = CONNECTION PUSHBUTTONS AND LAMPS
X9 = CONNECTION ESD BUTTON

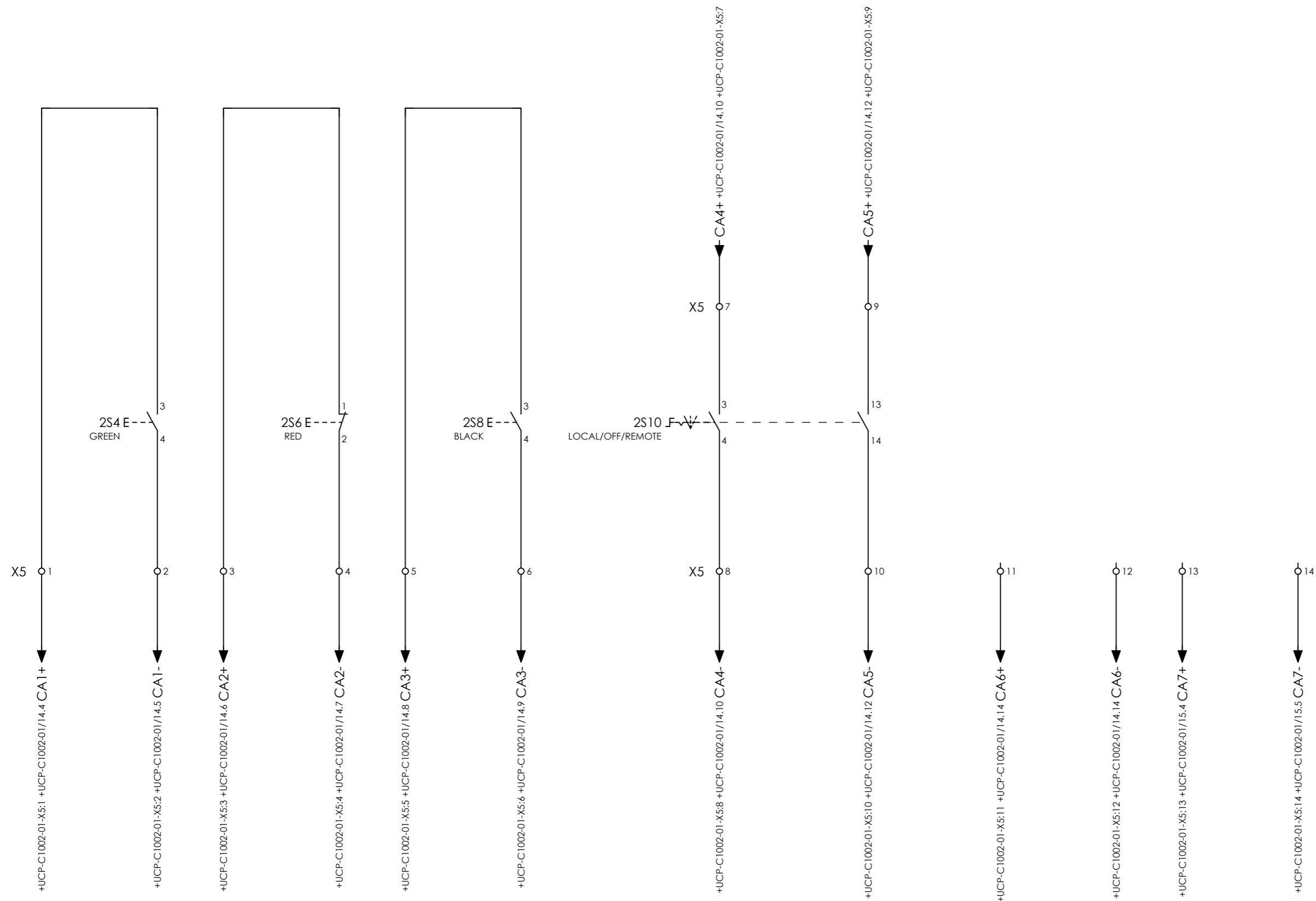


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

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



COMPRESSOR A
START
PB-10151

COMPRESSOR A
STOP
PB-10152

COMPRESSOR A
LAMPTEST
PB-10154

COMPRESSOR A
LOCAL
HS-10151

COMPRESSOR A
REMOTE
HS-10151

SPARE

SPARE



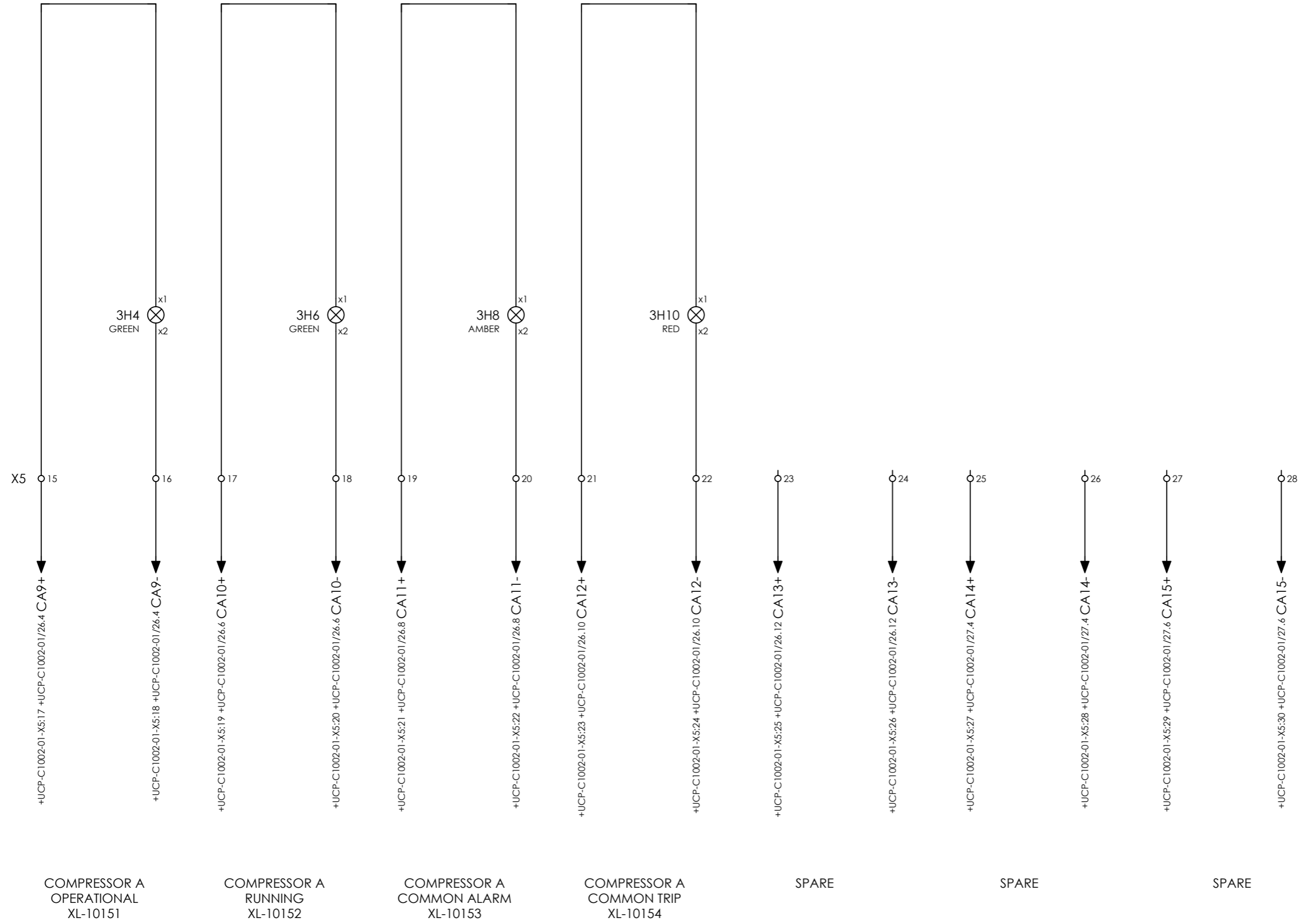
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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

SUBJECT CONNECTION PUSHBUTTONS	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	97

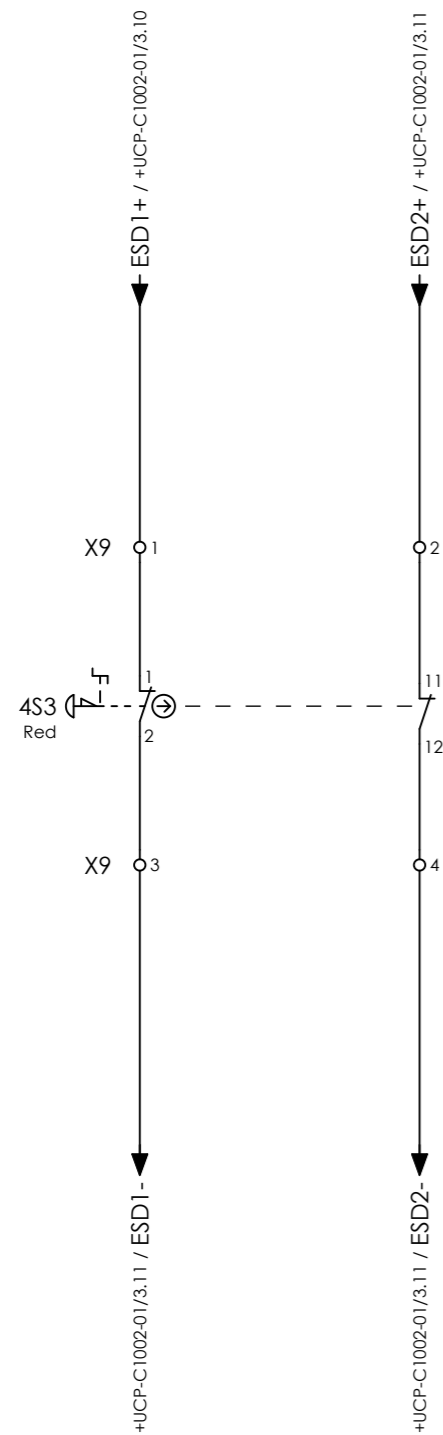
= 20-C-1002
+ LP-C1002-01
CURRENT PAGE



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		CONNECTION LAMPS	
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	+ LP-C1002-01
LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	03	
TOTAL PAGE AMOUNT	98	



COMPRESSOR A
ESD BUTTON
PB-10153



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 CONNECTION ESD BUTTON	
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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	99

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

Terminal diagram

Cable name		Strip =20-C-1002+LP-C1002-01-X5 CONNECTION PUSHBUTTONS AND LAMPS										Cable name	
Terminal	Connection point	Target designation	Jumper	Terminal	Connection point	Target designation	Terminal	Connection point	Target designation	Jumper	Terminal	Connection point	Target designation
1	1	+UCP-C1002-01-X5	.	1	1	-2S4	.	1	+UCP-C1002-01-X5	.	1	1	+UCP-C1002-01-LCP_COMA
2	2	+UCP-C1002-01-X5	.	2	2	-2S4	.	2	+UCP-C1002-01-X5	.	2	2	15Px1 mm ²
3	3	+UCP-C1002-01-X5	.	3	3	-2S6	.	3	+UCP-C1002-01-X5	.	3	3	
4	4	+UCP-C1002-01-X5	.	4	4	-2S6	.	4	+UCP-C1002-01-X5	.	4	4	
5	5	+UCP-C1002-01-X5	.	5	5	-2S8	.	5	+UCP-C1002-01-X5	.	5	5	
6	6	+UCP-C1002-01-X5	.	6	6	-2S8	.	6	+UCP-C1002-01-X5	.	6	6	
8	8	+UCP-C1002-01-X5	.	8	8	-2S10	.	8	+UCP-C1002-01-X5	.	8	8	
10	10	+UCP-C1002-01-X5	.	10	10	-2S10	.	10	+UCP-C1002-01-X5	.	10	10	
11	11	+UCP-C1002-01-X5	.	11	11	-2S10	.	11	+UCP-C1002-01-X5	.	11	11	
12	12	+UCP-C1002-01-X5	.	12	12	-2S10	.	12	+UCP-C1002-01-X5	.	12	12	
13	13	+UCP-C1002-01-X5	.	13	13	-2S10	.	13	+UCP-C1002-01-X5	.	13	13	
14	14	+UCP-C1002-01-X5	.	14	14	-2S10	.	14	+UCP-C1002-01-X5	.	14	14	
15	15	+UCP-C1002-01-X5	.	15	15	-2S10	.	15	+UCP-C1002-01-X5	.	15	15	
18	18	+UCP-C1002-01-X5	.	18	18	-2S10	.	18	+UCP-C1002-01-X5	.	18	18	
17	17	+UCP-C1002-01-X5	.	17	17	-2S10	.	17	+UCP-C1002-01-X5	.	17	17	
20	20	+UCP-C1002-01-X5	.	20	20	-2S10	.	20	+UCP-C1002-01-X5	.	20	20	
19	19	+UCP-C1002-01-X5	.	19	19	-2S10	.	19	+UCP-C1002-01-X5	.	19	19	
22	22	+UCP-C1002-01-X5	.	22	22	-2S10	.	22	+UCP-C1002-01-X5	.	22	22	
21	21	+UCP-C1002-01-X5	.	21	21	-2S10	.	21	+UCP-C1002-01-X5	.	21	21	
24	24	+UCP-C1002-01-X5	.	24	24	-2S10	.	24	+UCP-C1002-01-X5	.	24	24	
23	23	+UCP-C1002-01-X5	.	23	23	-2S10	.	23	+UCP-C1002-01-X5	.	23	23	
26	26	+UCP-C1002-01-X5	.	26	26	-2S10	.	26	+UCP-C1002-01-X5	.	26	26	
27	27	+UCP-C1002-01-X5	.	27	27	-2S10	.	27	+UCP-C1002-01-X5	.	27	27	
28	28	+UCP-C1002-01-X5	.	28	28	-2S10	.	28	+UCP-C1002-01-X5	.	28	28	
29	29	+UCP-C1002-01-X5	.	29	29	-2S10	.	29	+UCP-C1002-01-X5	.	29	29	
30	30	+UCP-C1002-01-X5	.	30	30	-2S10	.	30	+UCP-C1002-01-X5	.	30	30	

Repeated Comment
10Px0,75 mm²

Signals tag no. shall be specified
same as previous revision



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

SUBJECT Terminal diagram =20-C-1002+LP-C1002-01-X5
ADAPTED TO P&ID REVISION 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 10-5-2022
AIRPACK DWG NO. 17811-05
REVISION 03
TOTAL PAGE AMOUNT 100

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

Terminal diagram

Cable name		Strip =20-C-1002+LP-C1002-01-X9 CONNECTION ESD BUTTON				Cable name	
		Connection point	1	2	11	12	
		Target designation					
		Jumper	
		Terminal	1	3	2	4	
		Connection point	1	3	2	4	
		Target designation	+UCP-C1002-01-X9	+UCP-C1002-01-X9	+UCP-C1002-01-X9	+UCP-C1002-01-X9	
+UCP-C1002-01-ESD_LCP_A	4x1 mm ²		1	3	2	4	

Repeated Comment
5Px0,75 mm²

Signals tag no. shall be specified same as previous revision



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

SUBJECT Terminal diagram =20-C-1002+LP-C1002-01-X9
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 10-5-2022
AIRPACK DWG NO. 17811-05
REVISION 03
TOTAL PAGE AMOUNT 101

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

TERMINAL STRIP DEFINITION

POWER DISTRIBUTION BOARD
PD-C-1002-01

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

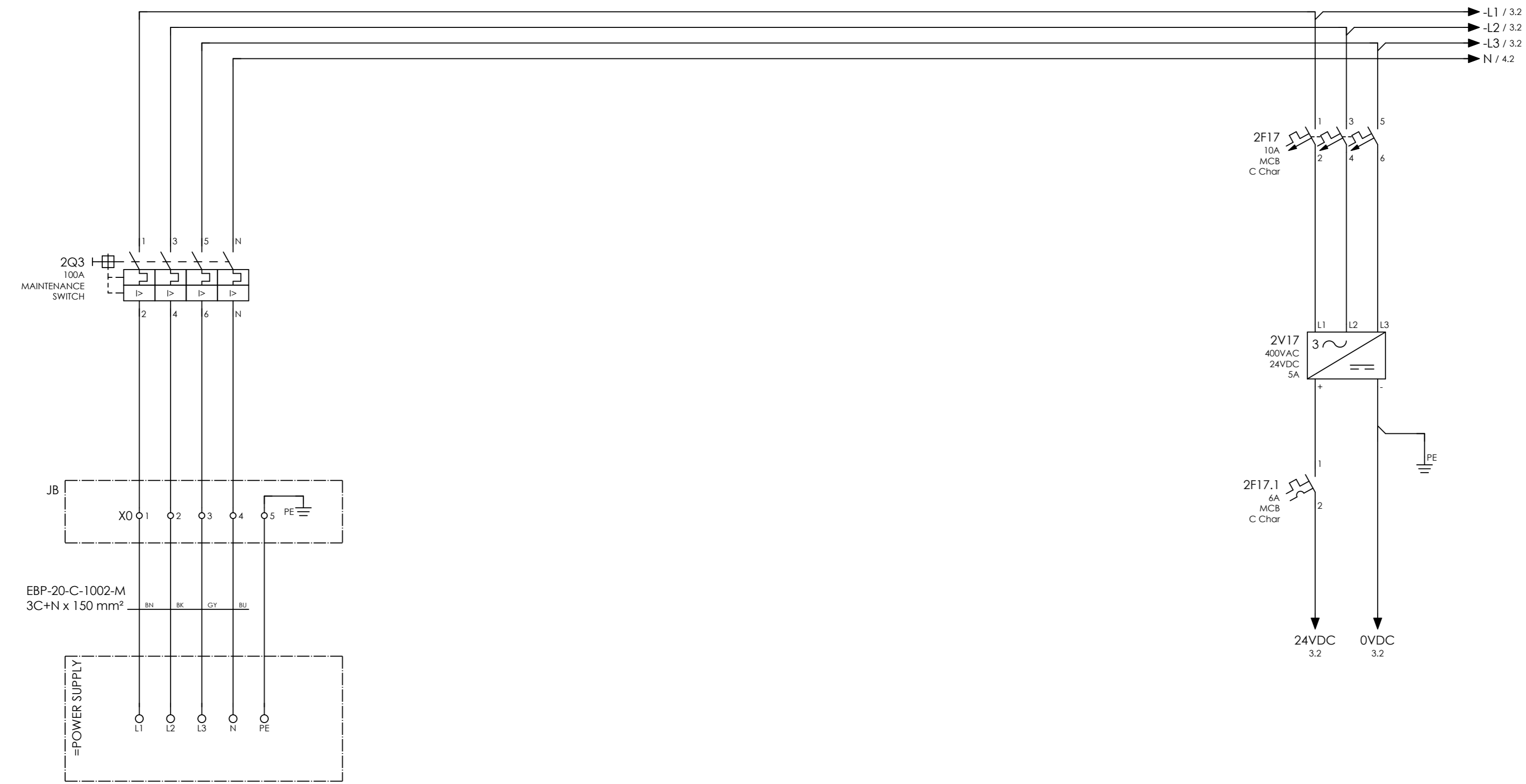


CLIENT DWG NO.	
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

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

DRAWN BY	MaGo
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	
REVISION	
PAGE NUMBER	94

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



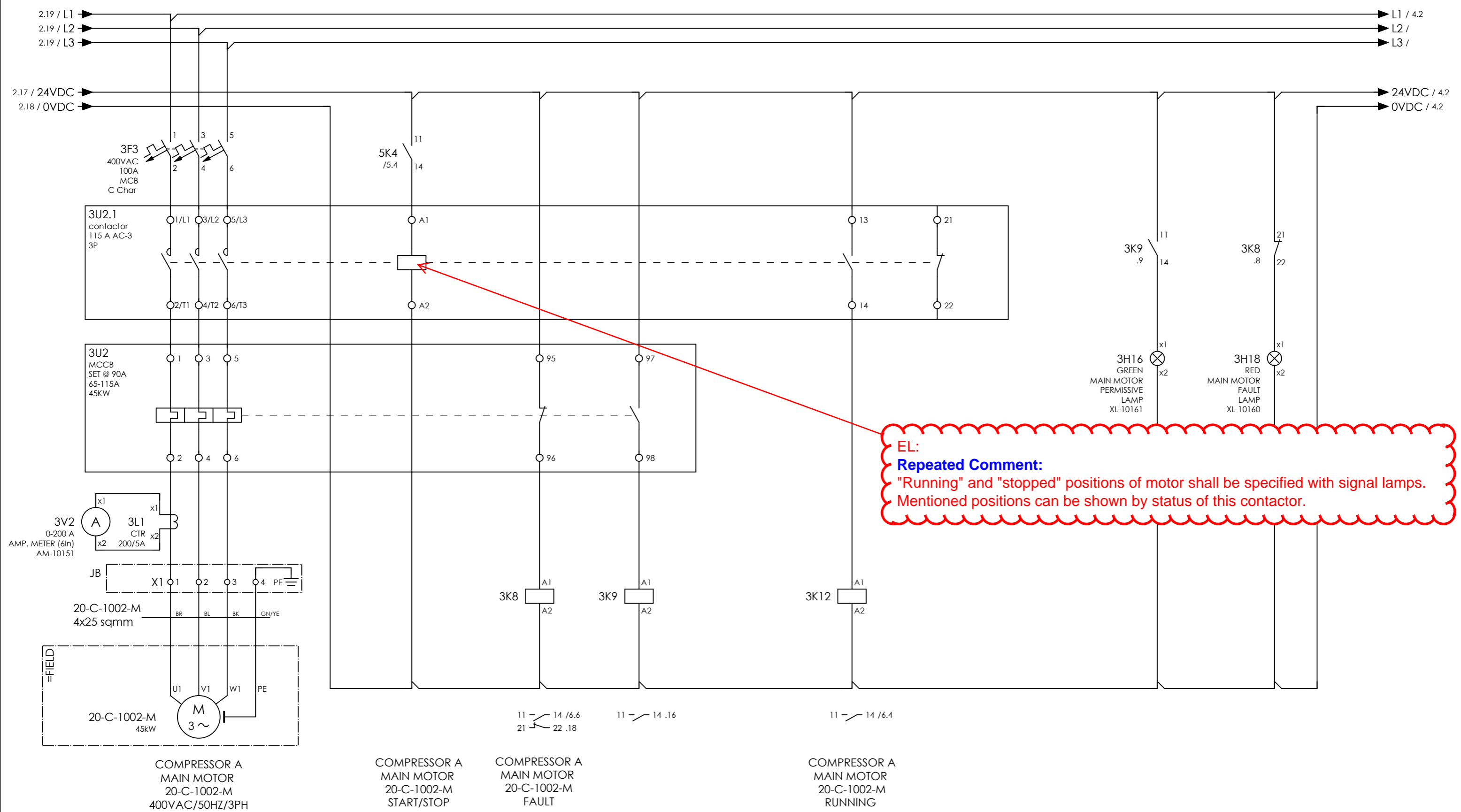
POWER SUPPLY
FROM CUSTOMER
400VAC/50HZ/3PH/N/PE

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)
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT REF.	Bushehr MEG Plant Project
		AIRPACK REF.	17811-05A

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ PD-C-1002-01
LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	03	
TOTAL PAGE AMOUNT	103	

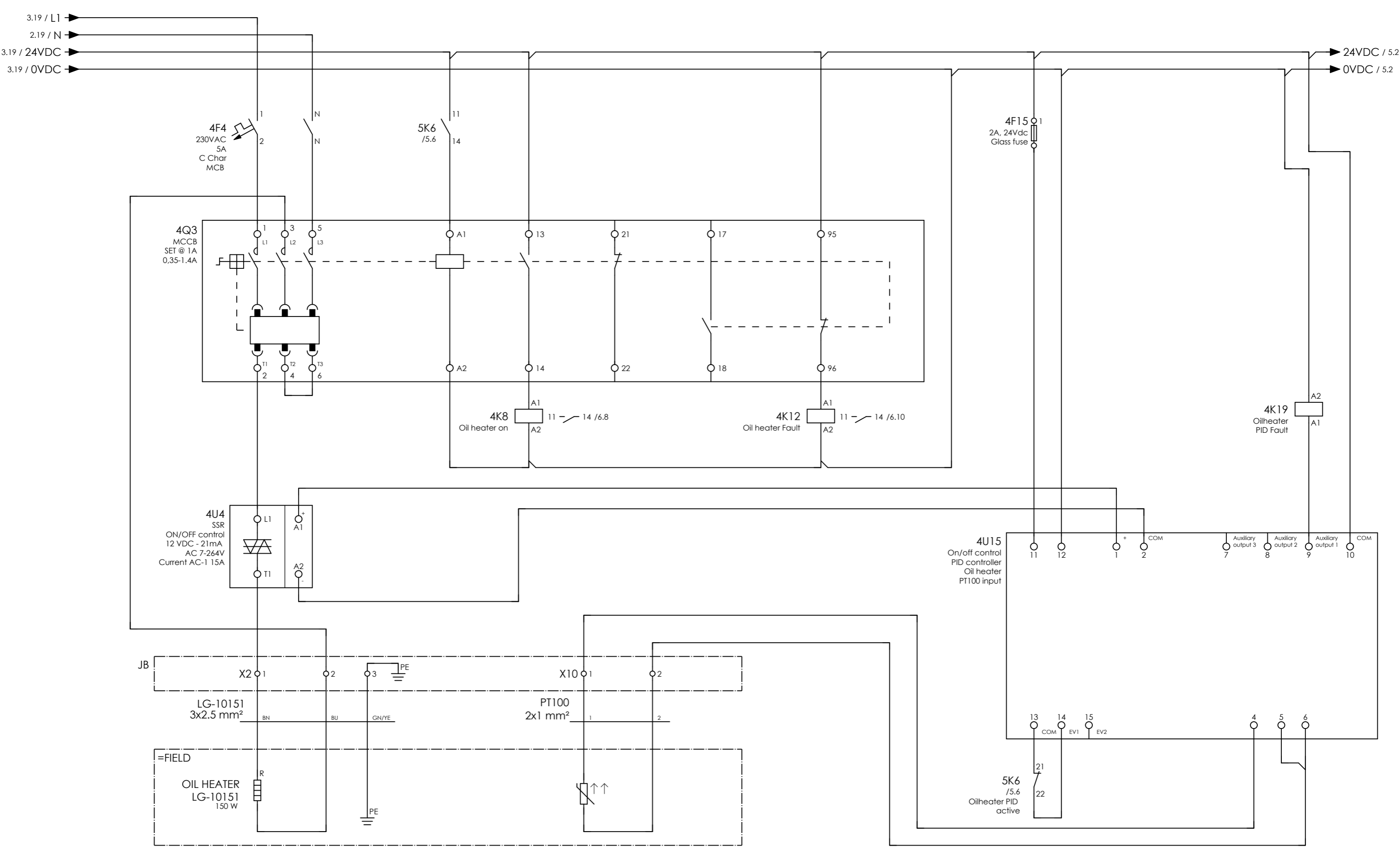


EL:
Repeated Comment:
"Running" and "stopped" positions of motor shall be specified with signal lamps.
Mentioned positions can be shown by status of this contactor.



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)
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT REF.	Bushehr MEG Plant Project
		AIRPACK REF.	17811-05A

DRAWN BY	MaGo	= 20-C-1002
CHECKED BY	RBE	+ PD-C-1002-01
LAST MODIFICATION DATE	10-5-2022	CURRENT PAGE
AIRPACK DWG NO.	17811-05	
REVISION	03	
TOTAL PAGE AMOUNT	104	



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

11 - 14 /6.13



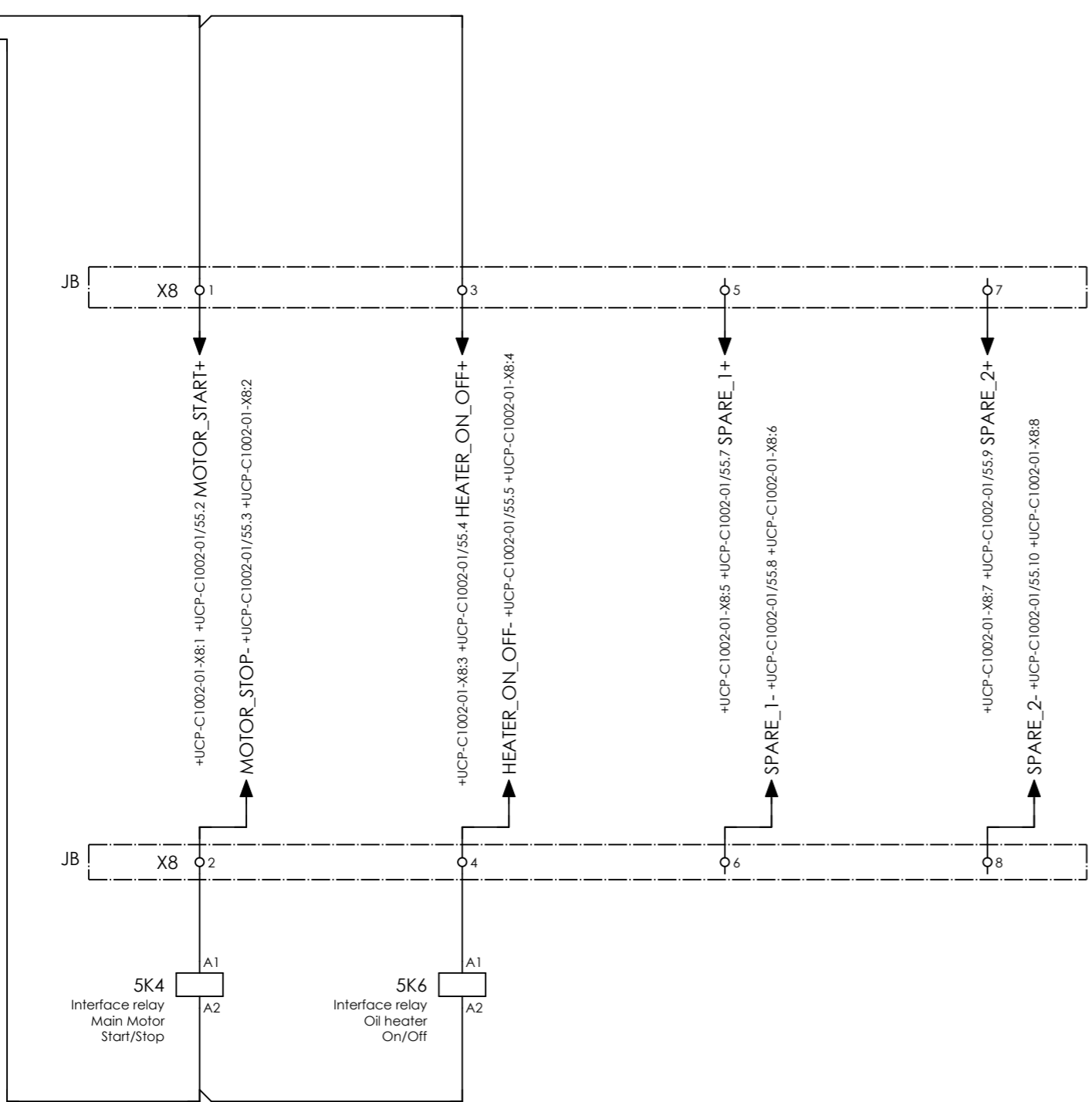
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

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
CHECKED BY	RBE
LAST MODIFICATION DATE	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	105

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

4.19 / 24VDC
4.19 / -0VDC



11 - 14 /3.6

11 - 14 /4.7
21 - 22 /4.15

COMPRESSOR A
MAIN MOTOR 20-C-1002-M
START/STOP

COMPRESSOR A
OIL HEATER LG-10151
ON/OFF

SPARE

SPARE

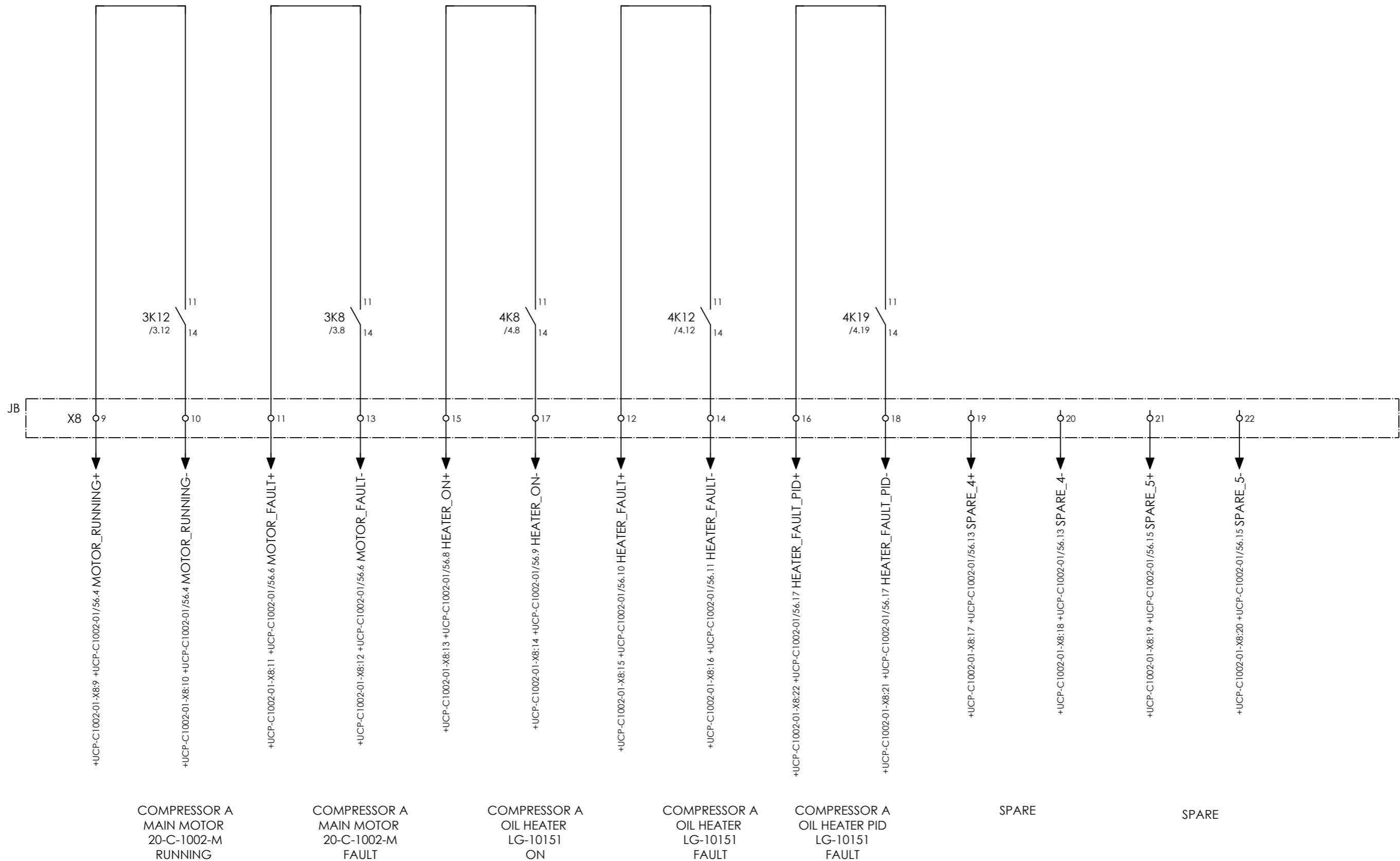


CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0043
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	106

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



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

SUBJECT 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	10-5-2022
AIRPACK DWG NO.	17811-05
REVISION	03
TOTAL PAGE AMOUNT	107

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

Terminal diagram

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

10Px0,75 mm²

Signals tag no. shall be specified same as previous revision

To be modify



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

SUBJECT Terminal diagram =20-C-1002+PD-C-1002-01-X8
 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 10-5-2022
 AIRPACK DWG NO. 17811-05
 REVISION 03
 TOTAL PAGE AMOUNT 111

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

