



Vendor  	<b>ABT 360 KT/Y PP PLANT Project</b>		Owner   سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	Wiring Diagram (including Terminal Diagram)		
	Vendor's Doc. No.: 23249-05	Rev.: 00	
PPEC Doc. No.: L03-RE037-EL-DIG-001			



**PPEC REQ. NO. : L03-RE037-EL-DIG-001**

**ITEM NO. :**

**TOTAL PAGES : 54**

<ul style="list-style-type: none"> <li>○ <b>NO COMMENTS</b> : Documents/Drawings Were Checked By PPEC And Further Step Can Be Followed.</li> <li>○ <b>COMMENTED AS MARKED:</b> Documents/Drawings Were Checked By PPEC And Marked Comments Must Be Considered By Vendor. Vendor Shall Revise Documents/Drawing As Per Comments And The New Revision Of Documents/Drawings Must Be Revised Prior To Fabrication.</li> <li>○ <b>REJECTED:</b> Documents/Drawings Were Checked And It Is Not In Comply With Purchase Requisition Requirements.</li> <li>○ <b>ACCEPTABLE WITH COMMENTS:</b> Documents/Drawings Were Checked By PPEC And Comments Must Be Considered By Vendor. Fabrication Can Proceed Accordingly. Revised Document To Be Issued Either For Review Or As Final Certified. However PPEC Will Check The Revised Document For Proper Incorporation Of Comments.</li> <li>○ <b>NOT RETURNED:</b> Document Was Received For Information And Not Returned To The Vendor.</li> </ul>		
Name :	Req. No. :	Seq. No.:
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00	16-04-2025	Issue for Engineering	R.T.	S.K.	J.J.	
REV.	DATE	Description	Prepared by	Checked by	Approved by	Authorized by

Vendor	<b>ABT 360 KT/Y PP PLANT</b>	Contractor (DEC)	Owner
	Wiring Diagram (including Terminal Diagram)		
	Vendor's Doc. No.: 2 3 2 4 9 - 0 5		سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)
	PPEC Doc. No.: L03-RE037-EL-DIG-001	Rev.: 00	

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54	X						



# Airpack B.V.

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Client	:	Seraj Gostaran Rejal		
Equipment location	:	Iran, Onshore		
Client reference	:	ABT 360 KT/Y PP PLANT Project		
Client dwg. no.	:	L03-RE037-EL-DIG-001		
Airpack reference	:	23249-05 Wiring Diagram		
Airpack dwg. no.	:	23249-05		
Generation date	:	4/2/2025		
E & I manager	:	RBE	Revision no.	: 00
Last modifications	:	4/14/2025		
Last modifications by	:	RTR		



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Title page / cover sheet	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR
CHECKED BY	RBE
LAST MODIFICATION DATE	4/11/2025
AIRPACK DWG NO.	23249-05
REVISION	00
TOTAL PAGE AMOUNT	1

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# COMMENTS ON ELECTRICAL DRAWINGS

Make of PLC is Siemens S7-1200.

ESD signals will be connected hardwired (4-wire cable).

Wiring diagram is drawn in non energized state.

Alarms, trips and running status will be visible with lamps on LCP.  
Process values and alarms will be visible on display (door mounted in UCP).

LCP is wall mounted on skid.  
Material: Stainless Steel SS316.  
Ingress protection: IP-65.  
Area classification: Ex II 3G IIA/B T3, E xe.  
Bottom cable entry with drain and breather.

JB is wall mountend on skid.  
Material: Stainless Steel SS316.  
Ingress protection: IP-65.  
Area classification: Ex II 3G IIA/B T3, E xe.  
Bottom cable entry with drain and breather.

UCP is located in the Controlroom  
Material: Painted sheet steel (RAL-7035).  
Ingress protection: IP-42.  
Area classification: Safe area

Glands: Brass glands without shrouds, iso metric threads, IP-66.  
Cable trays: Galvanised steel with cover.  
All cable trays shall be earthed.

Terminal Block Colors:  
I.S. Signals - Light Blue  
Non I.S. Signals - Grey

Ambient temperature: -2°C / 55 °C.

All Protective earth ("PE") connections are connected on a "PE" - Bar.  
All Instrument earth ("IE") connections are connected on a "IE" - Bar.

Color codes internal wiring.

230 VAC, 50HZ, L	Brown
230 VAC, 50HZ, N	Blue
24VDC +	Red
0 VDC	Black
Current loops	Purple
Volt free contacts	Orange
Protection earth	Green / Yellow



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SUBJECT Project description	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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SUBJECT Table of contents : /1 - =PK-6801+UCP-PK6801-01/29  
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 CLIENT Seraj Gostaran Rejal  
 CLIENT REF. ABT 360 KT/Y PP PLANT Project  
 AIRPACK REF. 23249-05 Wiring Diagram

DRAWN BY RTR  
 CHECKED BY RBE  
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 AIRPACK DWG NO. 23249-05  
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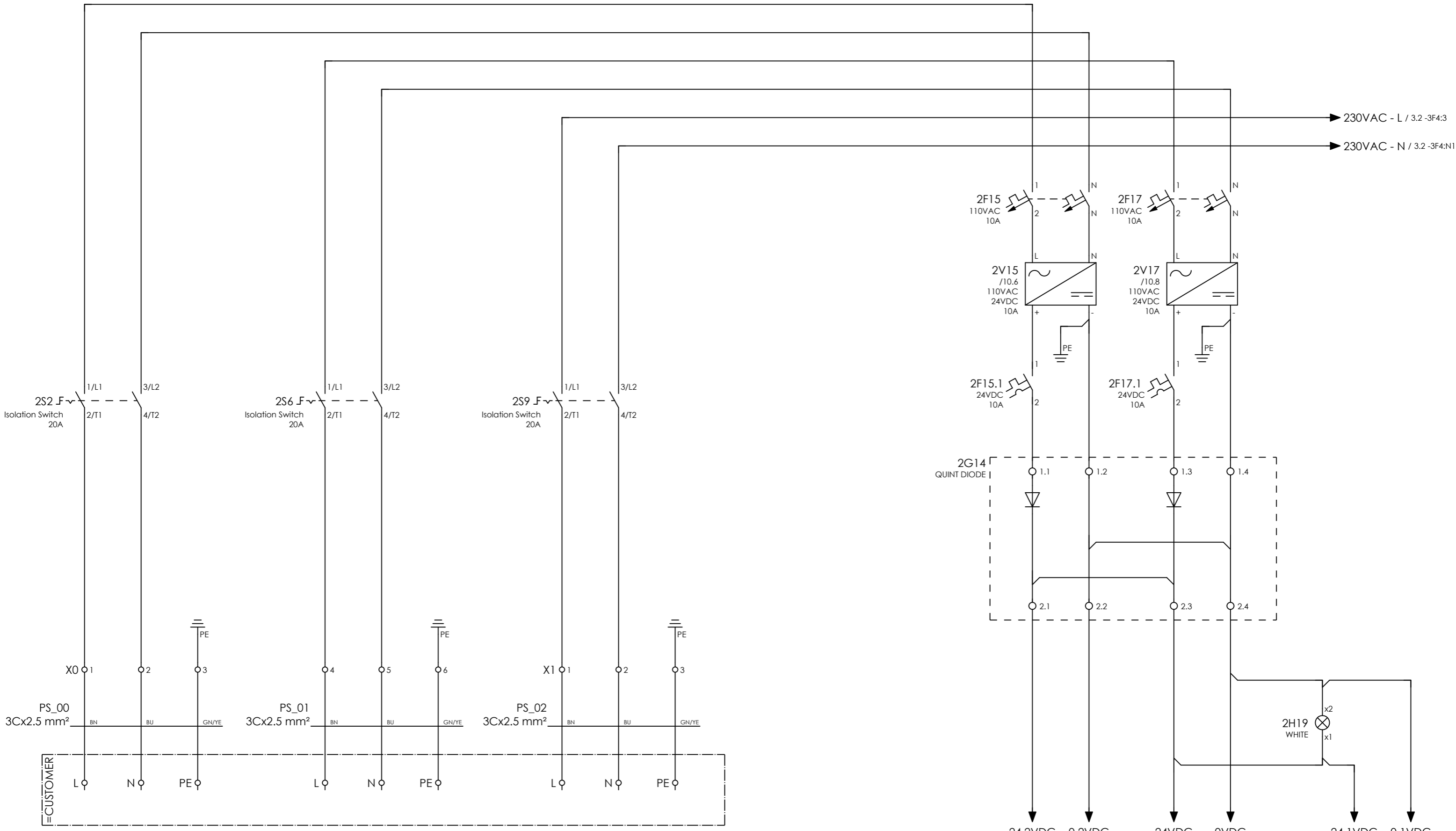


## TERMINAL STRIP DEFINITION

- X0 = POWER SUPPLY 110VAC UPS FROM CUSTOMER
- X1 = POWER SUPPLY 230VAC FROM CUSTOMER
- X2 = ANALOGUE TRANSMITTER INPUTS
- X5 = DIGITAL OUTPUTS (TO/FROM LCP)
- X6 = SOLENOID VALVES
- X7 = SIGNALS FROM MCC
- X8 = SIGNALS TO MCC
- X9 = ESD TERMINALS
- X10 = FROM DCS ESD
- X11 = TO DCS
- X12 = FROM DCS



CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT	Terminal Strip Definition	DRAWN BY	RTR	= PK-6801
EQUIPMENT NO.	PK-6801	ADAPTED TO P&ID REVISION	00	CHECKED BY	RBE	+ UCP-PK6801-01
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Seraj Gostaran Rejal	LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
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UPS 1 POWER SUPPLY FROM CUSTOMER 110VAC/50HZ/1PH

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

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

24.2VDC 19.2    0.2VDC 19.2    24VDC 4.2    0VDC 4.2    24.1VDC 9.2    0.1VDC 9.2

POWER ON LAMP XL-PK-6801-05

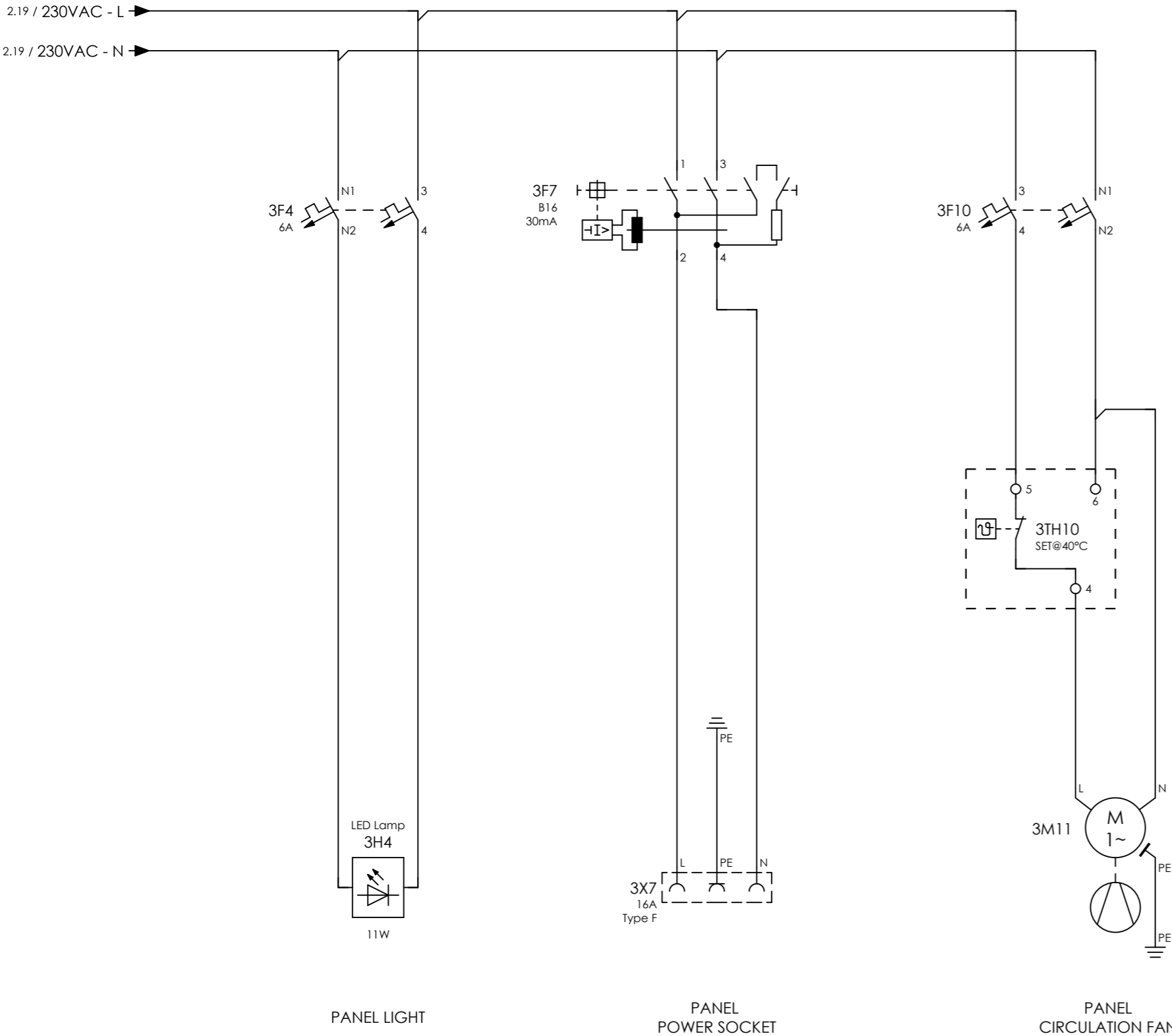


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SUBJECT Incoming Power Supply  
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 CLIENT Seraj Gostaran Rejal  
 CLIENT REF. ABT 360 KT/Y PP PLANT Project  
 AIRPACK REF. 23249-05 Wiring Diagram

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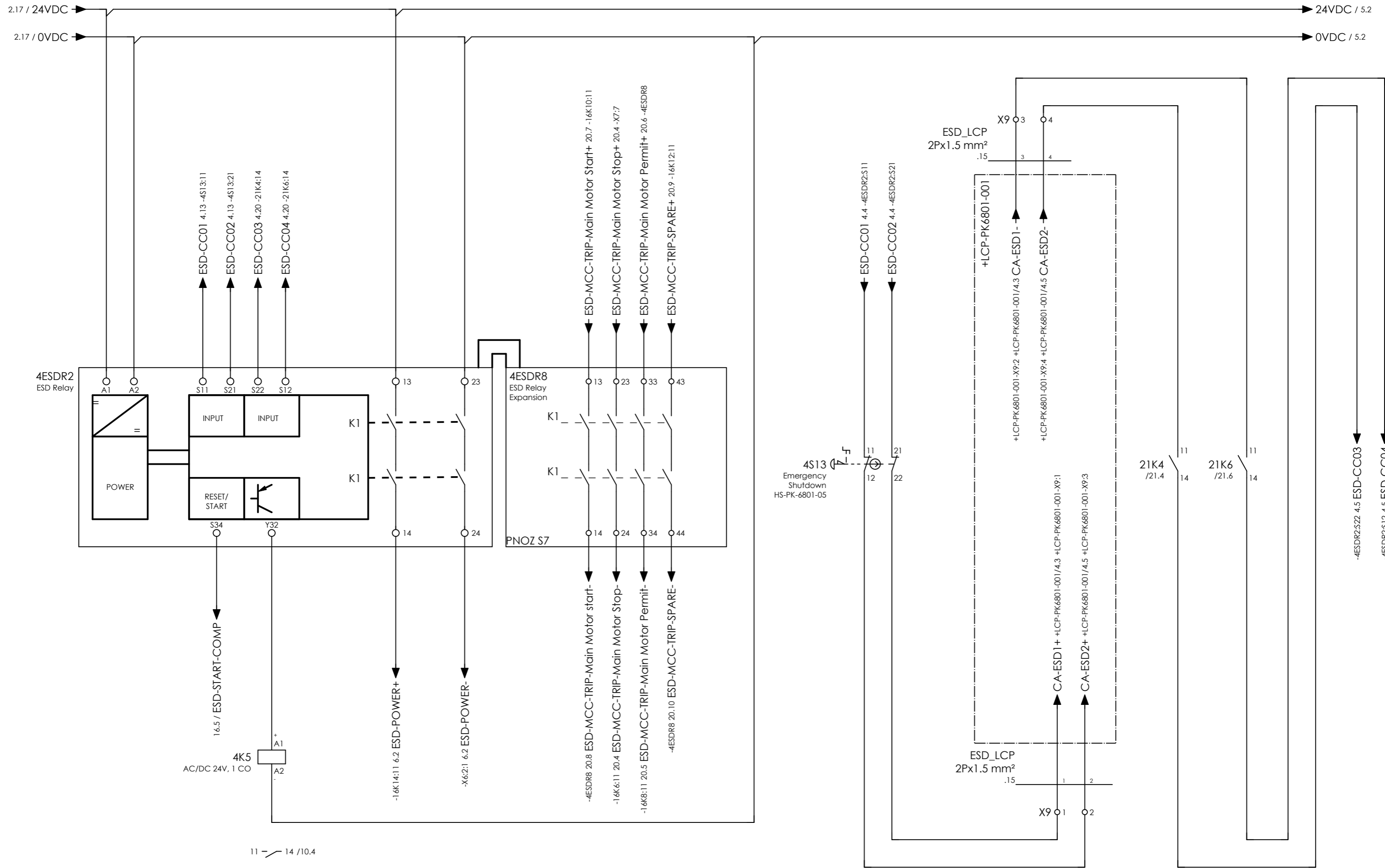
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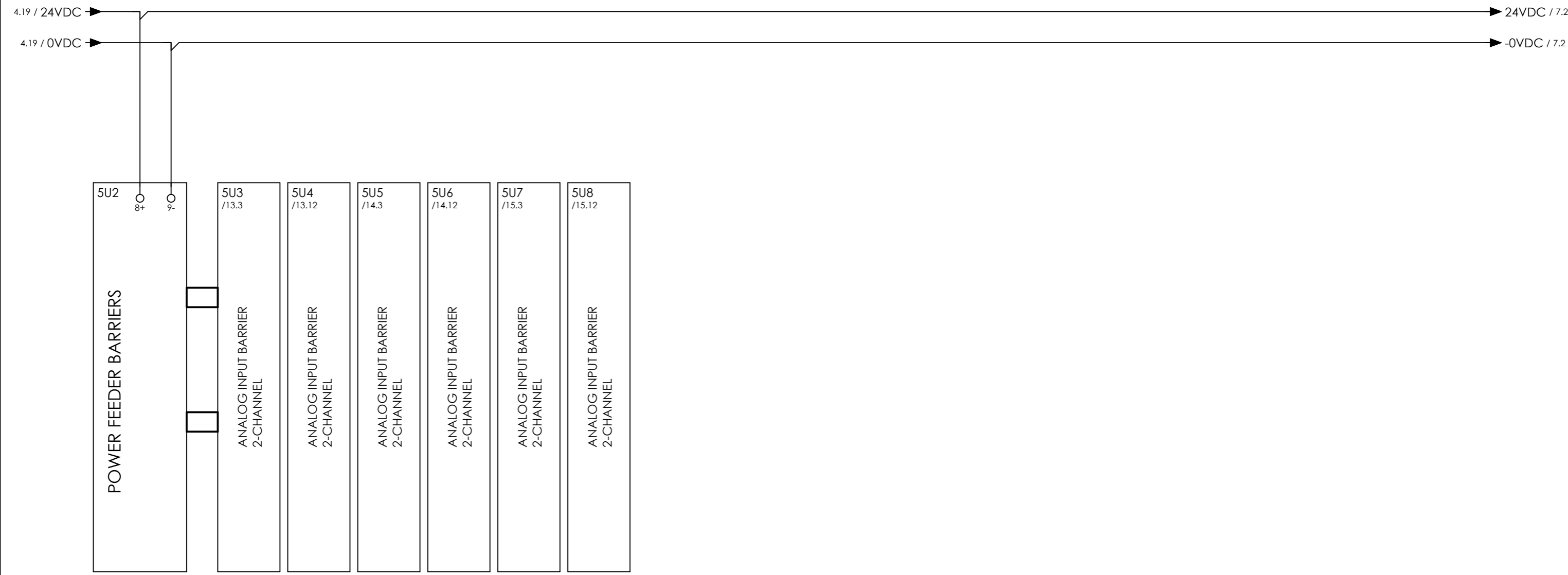
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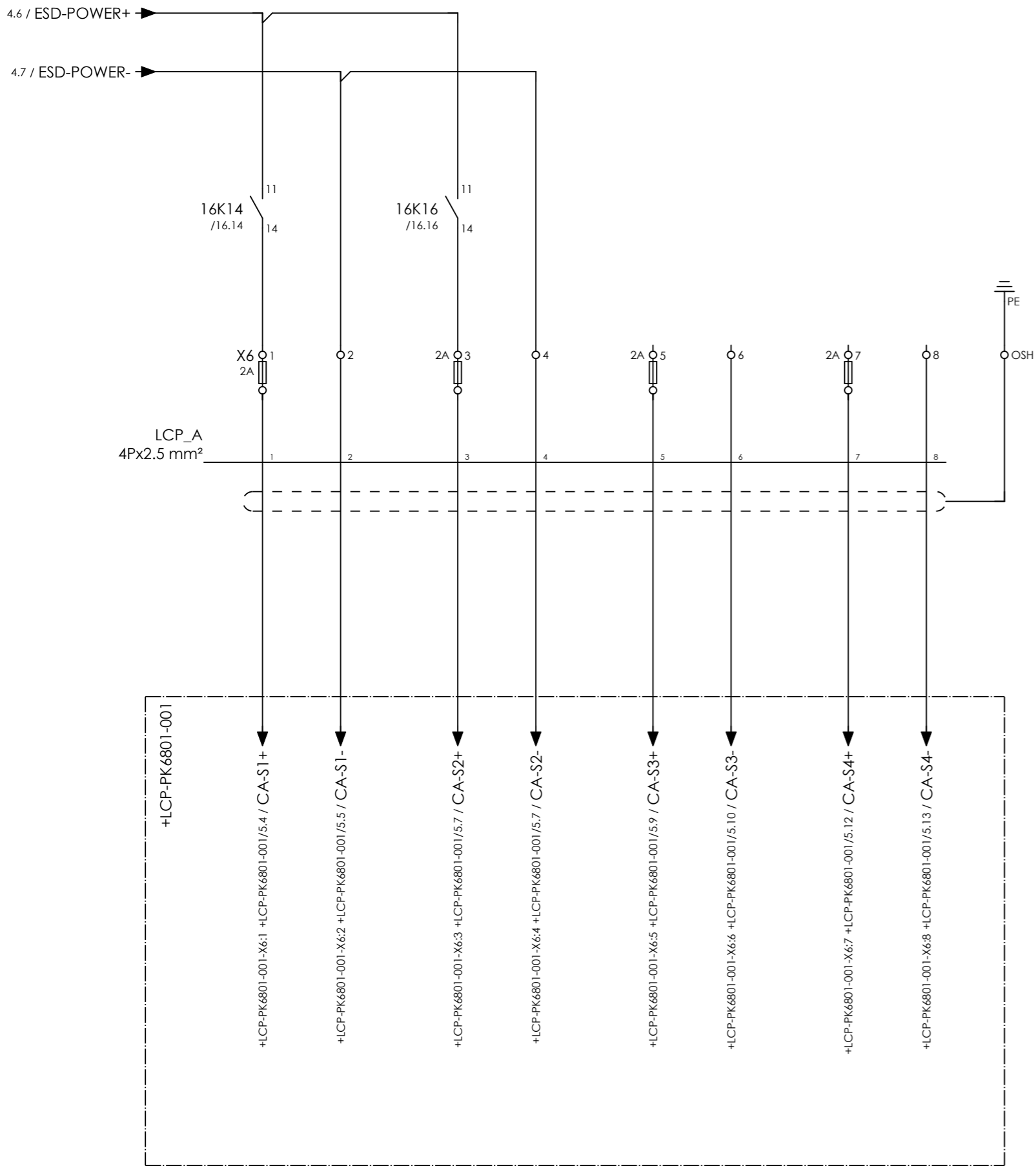
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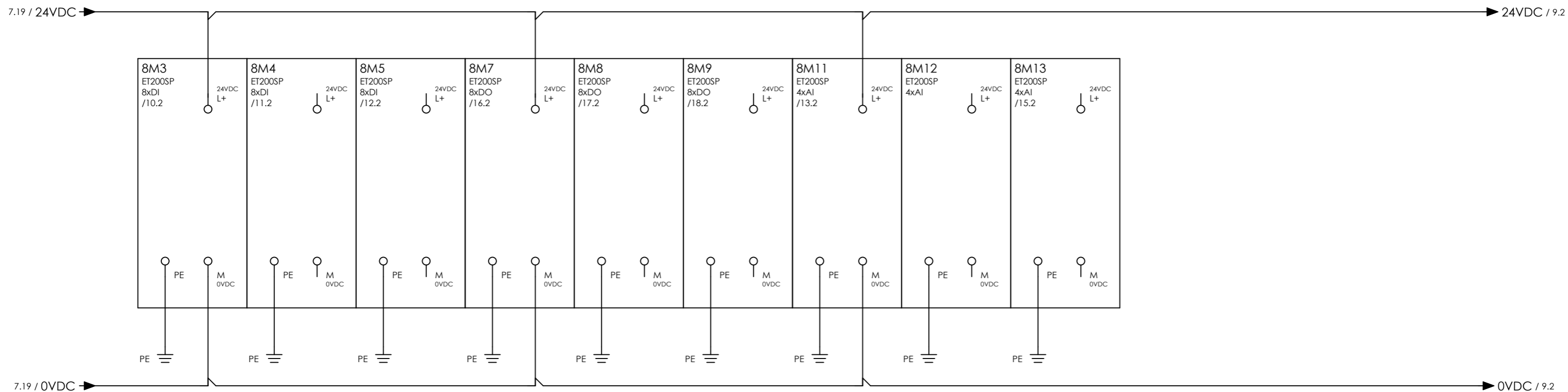


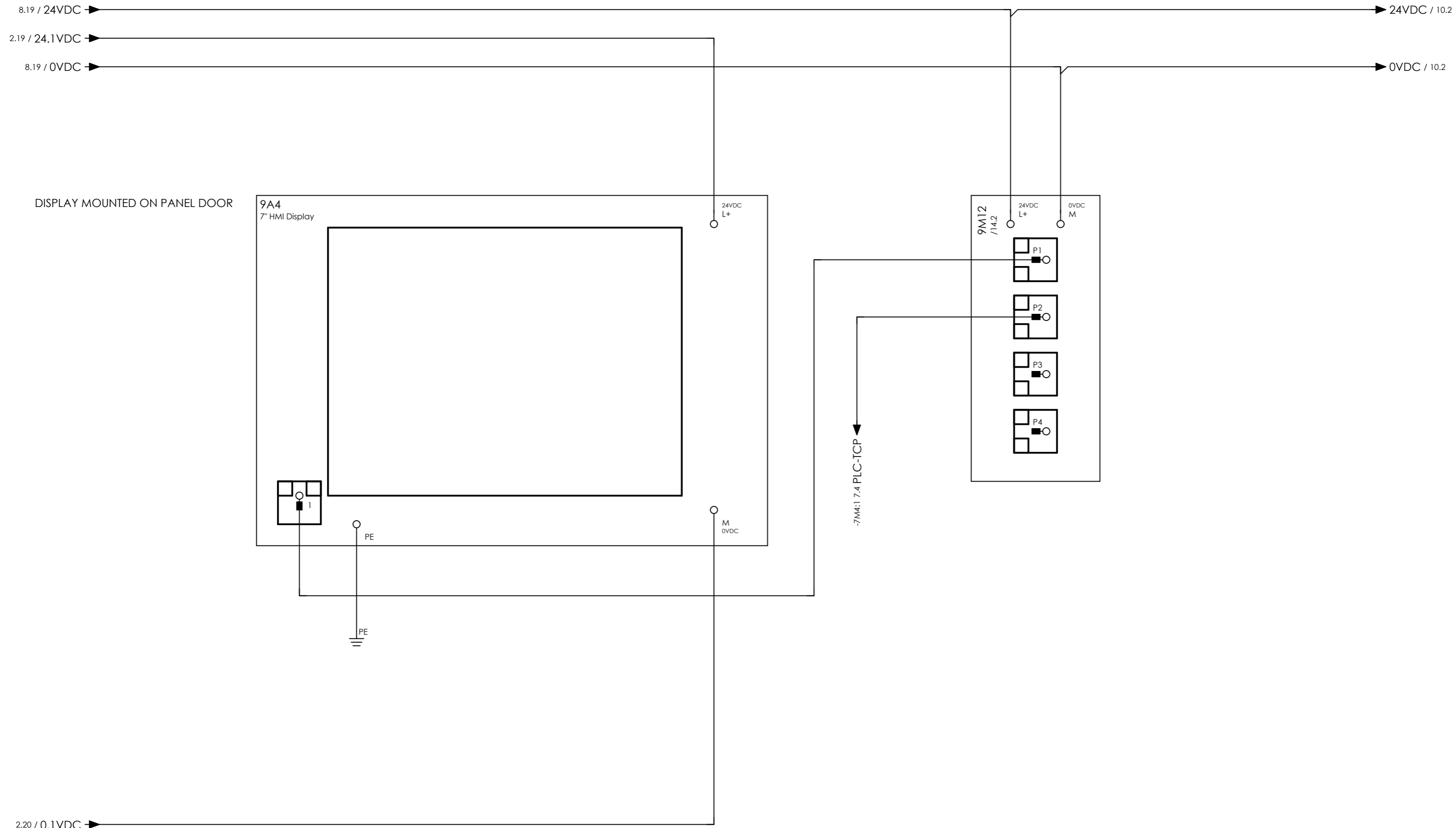


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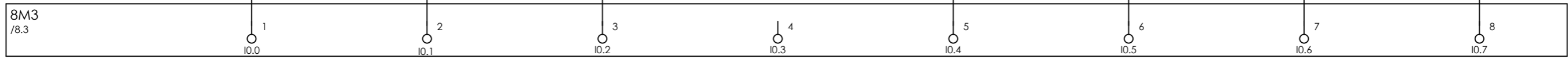
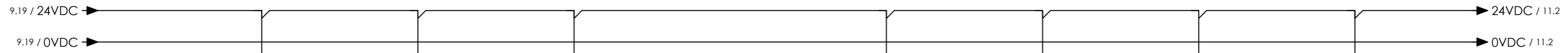




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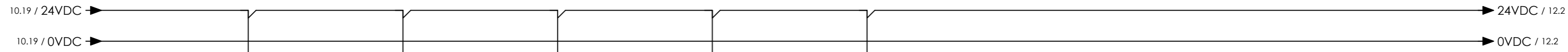


ESD Activated      Power Supply 1 Active      Power Supply 2 Active      Spare      Main Motor Running PK-6801-XA-603201      Main Motor Fault PK-6801-XA-603202      Spare      Spare

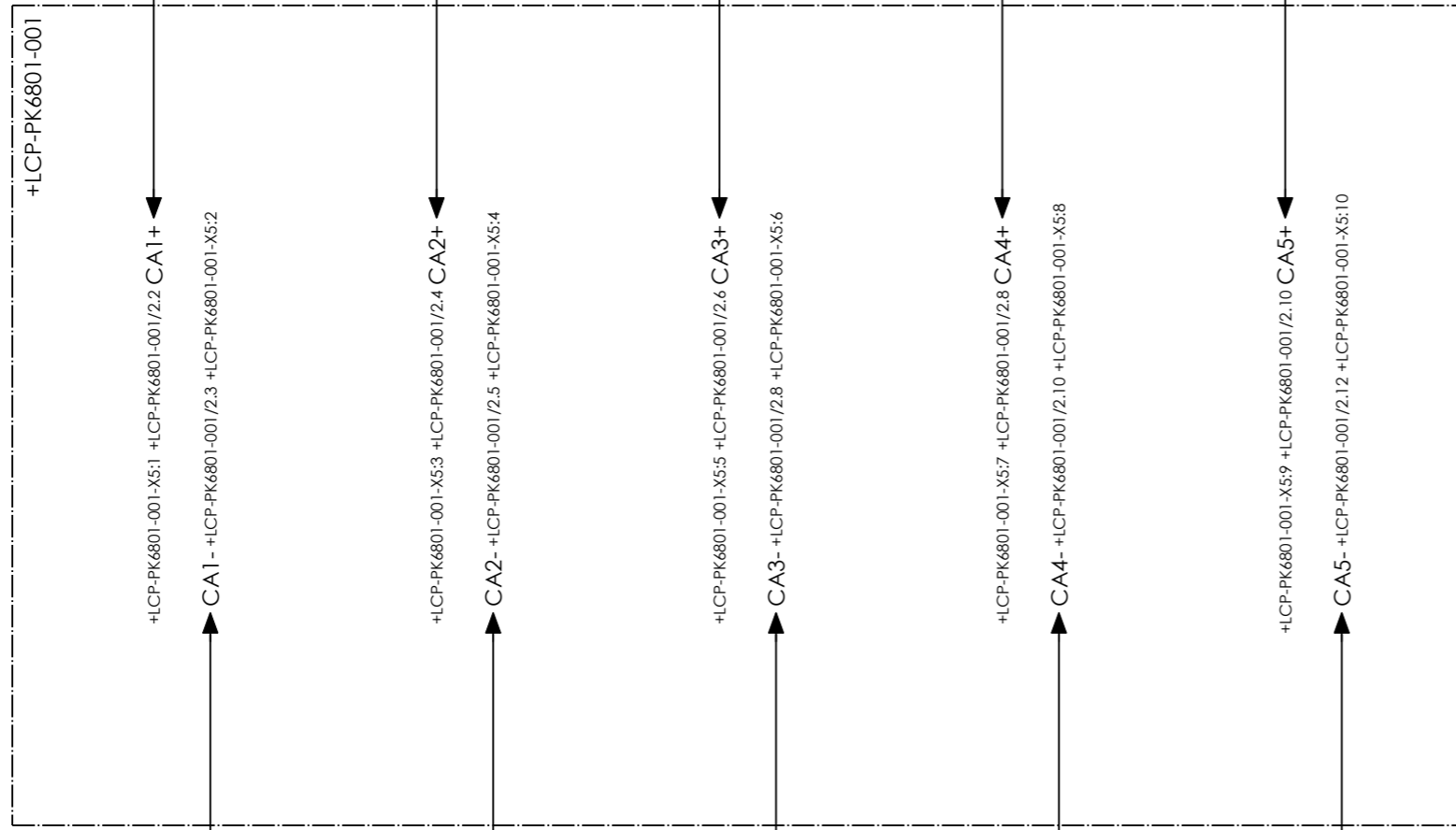


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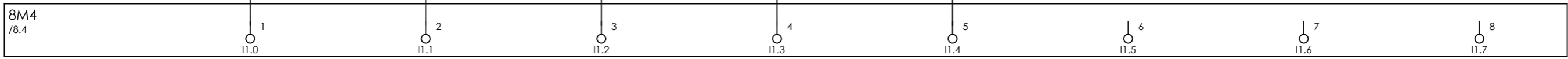
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LCP\_B  
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/18.5



LCP\_B  
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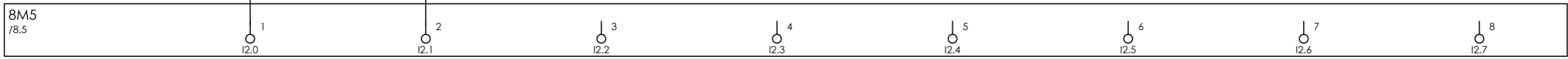
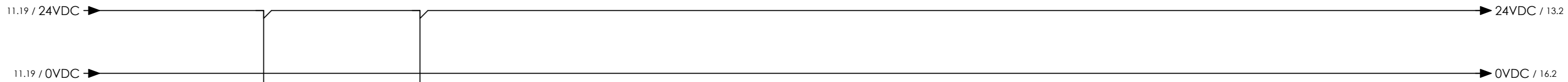
Compressor Start Button LCP PK-6801-HS-603101      Compressor Stop Button LCP PK-6801-HS-603102      Compressor Lamp Test Button LCP PK-6801-HS-603103      Compressor Local Selector Switch PK-6801-SW-603101      Compressor Remote Selector Switch PK-6801-SW-603102      Spare      Spare      Spare



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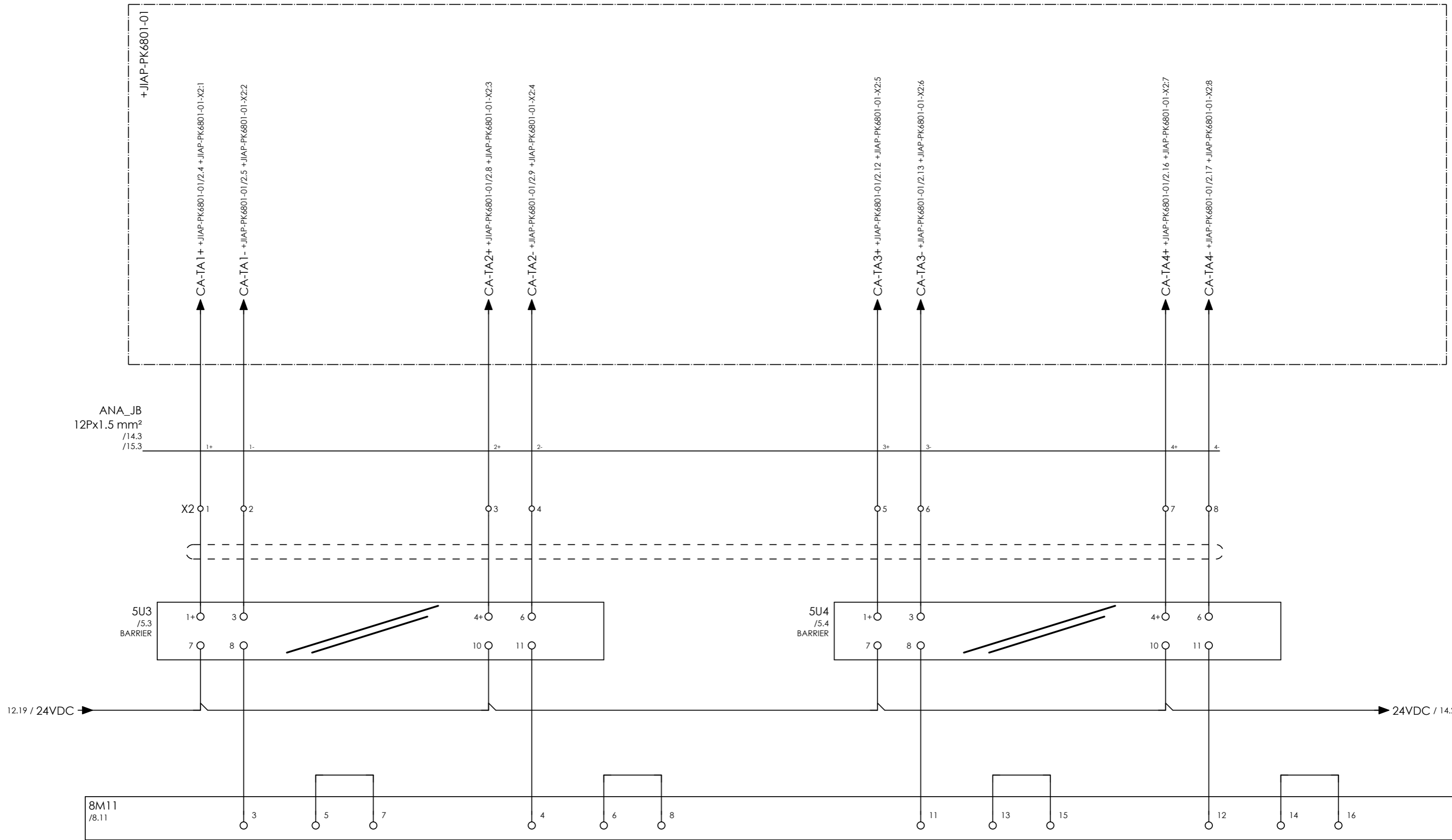
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CLIENT	Seraj Gostaran Rejal
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Compressor Intake Air Filter Differential Pressure PK-6801-PDT-603001

Compressor Pulsation Damper 1st Stage Temperature Alarm PK-6801-TT-603001

Compressor Pulsation Damper 1st Stage Temperature Trip PK-6801-TT-603002

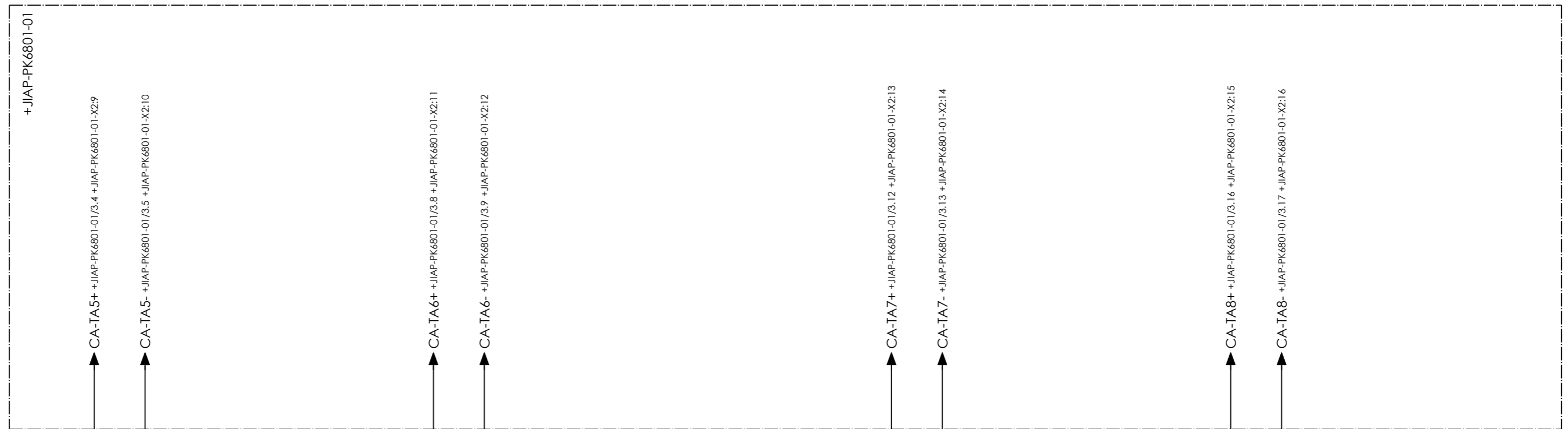
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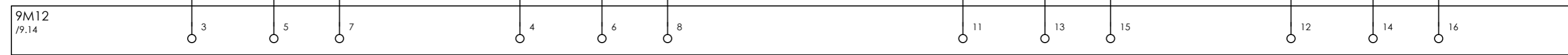
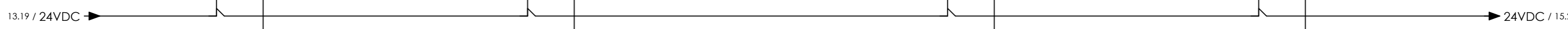
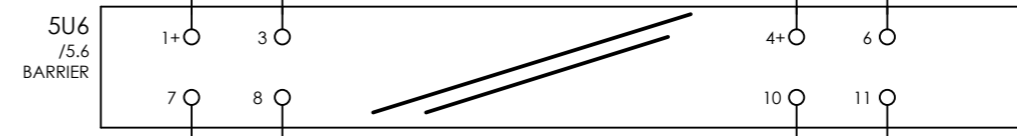
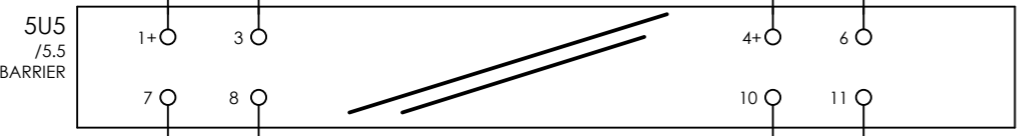
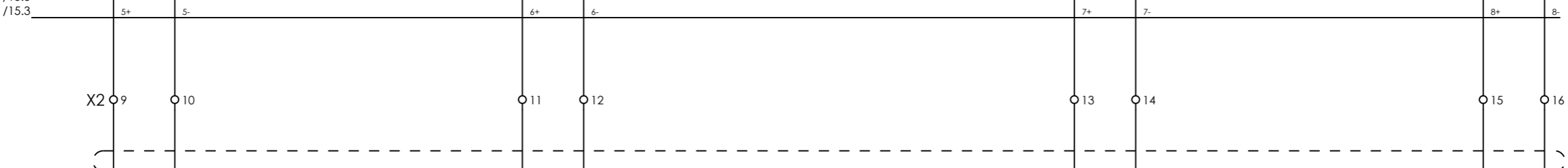
CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Analog Inputs	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR	= PK-6801
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AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	17	



ANA\_JB  
12Px1.5 mm<sup>2</sup>  
/13.3  
/15.3



Compressor  
Pulsation Damper 2nd Stage  
Temperature Trip  
PK-6801-TT-603004

Compressor  
Cooling Water Supply  
Temperature Trip  
PK-6801-TT-603005

Compressor  
Cooling Water Return  
Temperature Trip  
PK-6801-TT-603006

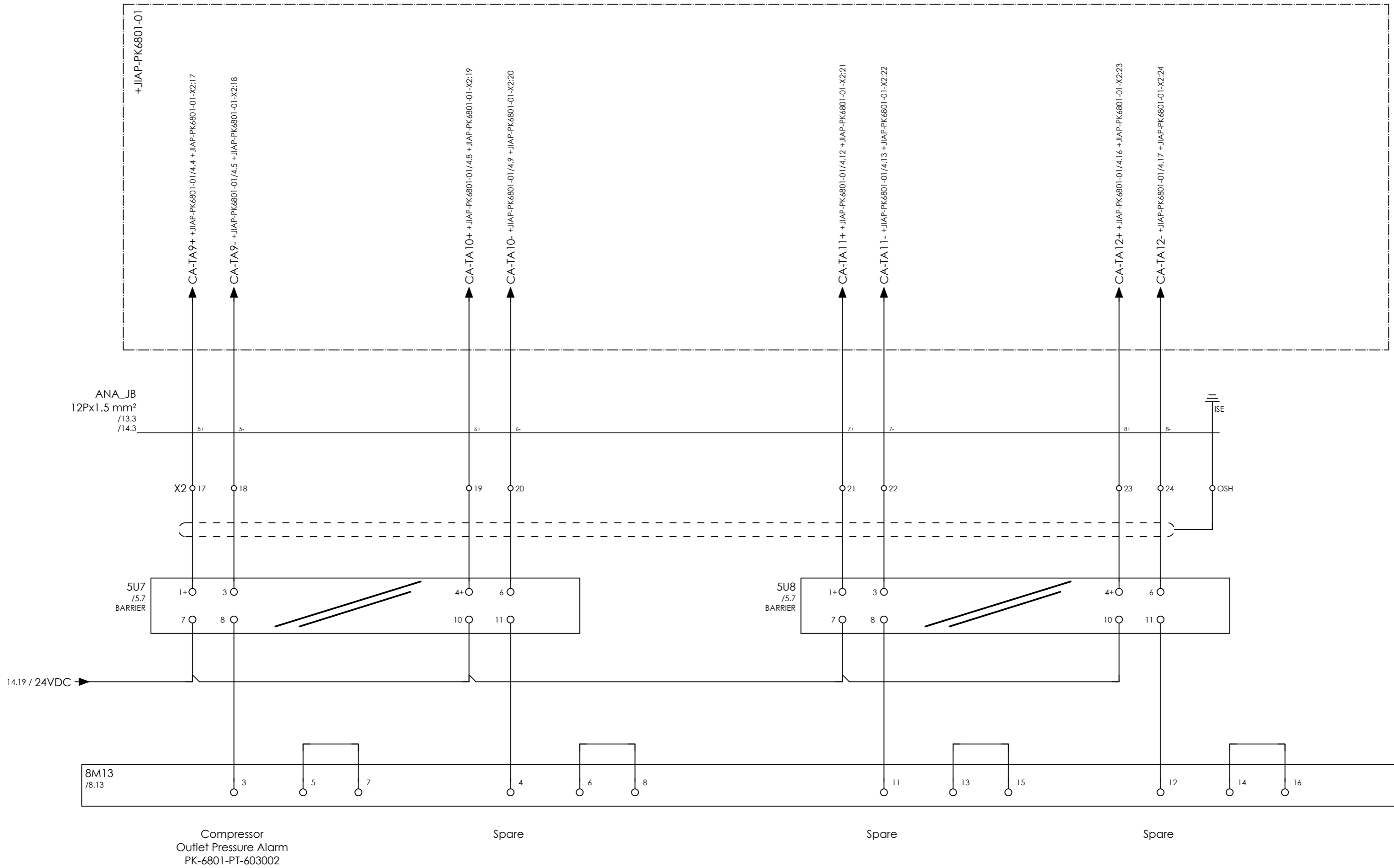
Compressor  
Oil System  
Pressure Trip  
PK-6801-PT-603001



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Analog Inputs	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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Analog Inputs		CHECKED BY		RBE		+ UCP-PK6801-01	
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CLIENT	Seraj Gostaran Rejal	AIRPACK DWG NO.		23249-05			
CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION		00			
AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT		19			

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CHECKED BY		RBE		+ UCP-PK6801-01	
LAST MODIFICATION DATE		4/11/2025		CURRENT PAGE	
AIRPACK DWG NO.		23249-05			
REVISION		00			
TOTAL PAGE AMOUNT		19			

Main Motor Start  
PK-6801-XA-603203

Main Motor Stop  
PK-6801-XA-603204

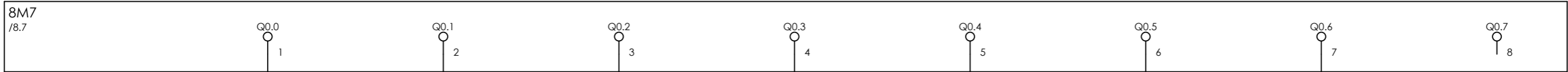
Spare

Spare

Regulating Solenoid Valve Load/Unload  
PK-6801-XY-603001

Spare

Spare



4.4 / ESD-START-COMP

16K6  
AC/DC 24V, 1 CO

16K8  
AC/DC 24V, 1 CO

16K10  
AC/DC 24V, 1 CO

16K12  
AC/DC 24V, 1 CO

16K14  
AC/DC 24V, 1 CO

16K16  
AC/DC 24V, 1 CO

11 - 14 /20.4

11 - 14 /20.5

11 - 14 /20.7

11 - 14 /20.9

11 - 14 /6.3

11 - 14 /6.5

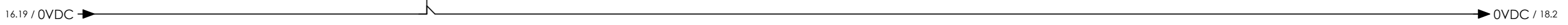
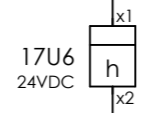
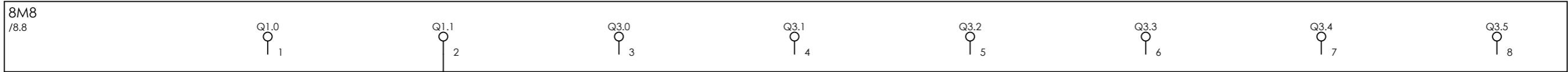


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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT Digital Outputs	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	20	

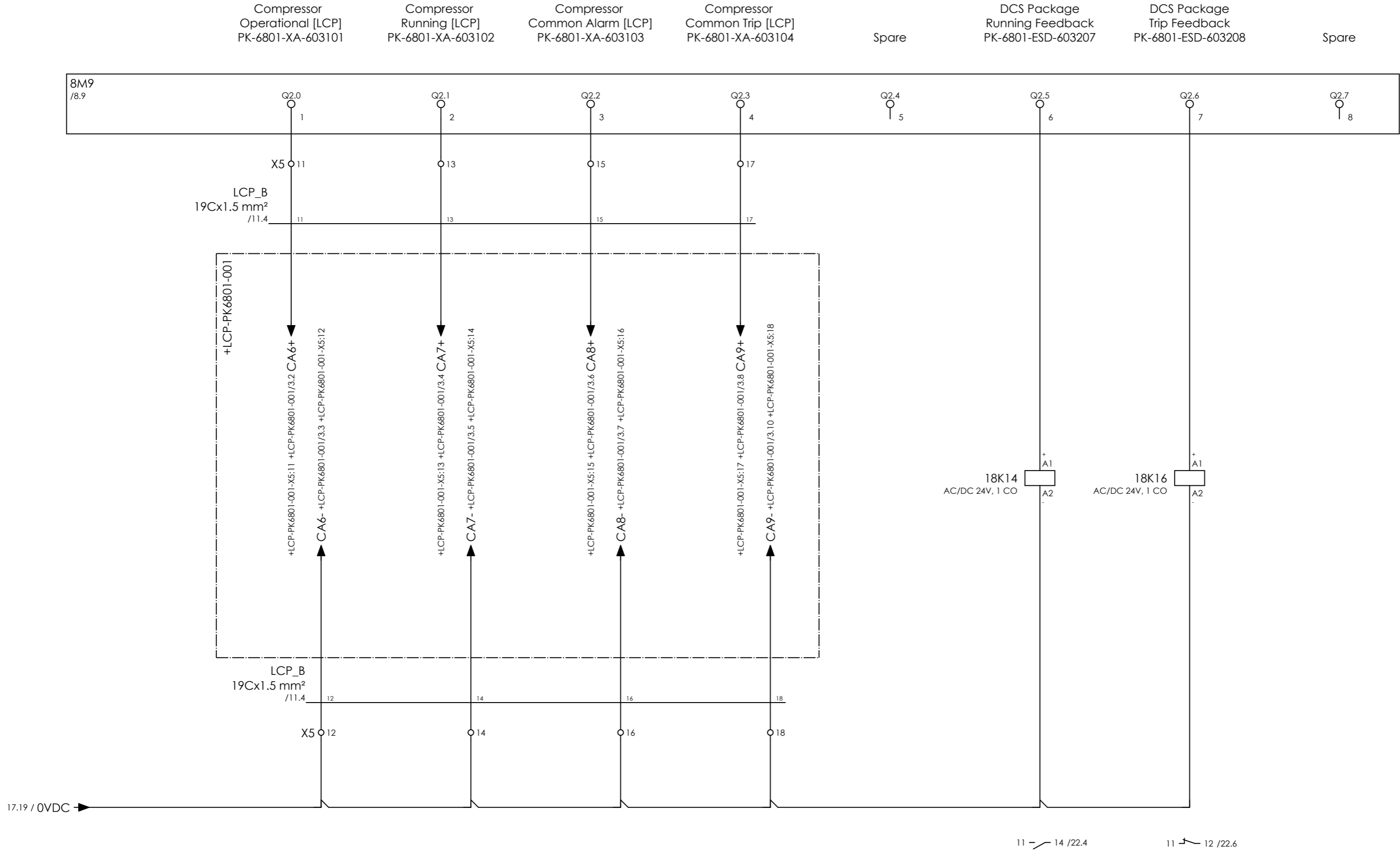
Spare Compressor Hourmeter PK-6801-HM-603201 Spare Spare Spare Spare Spare Spare



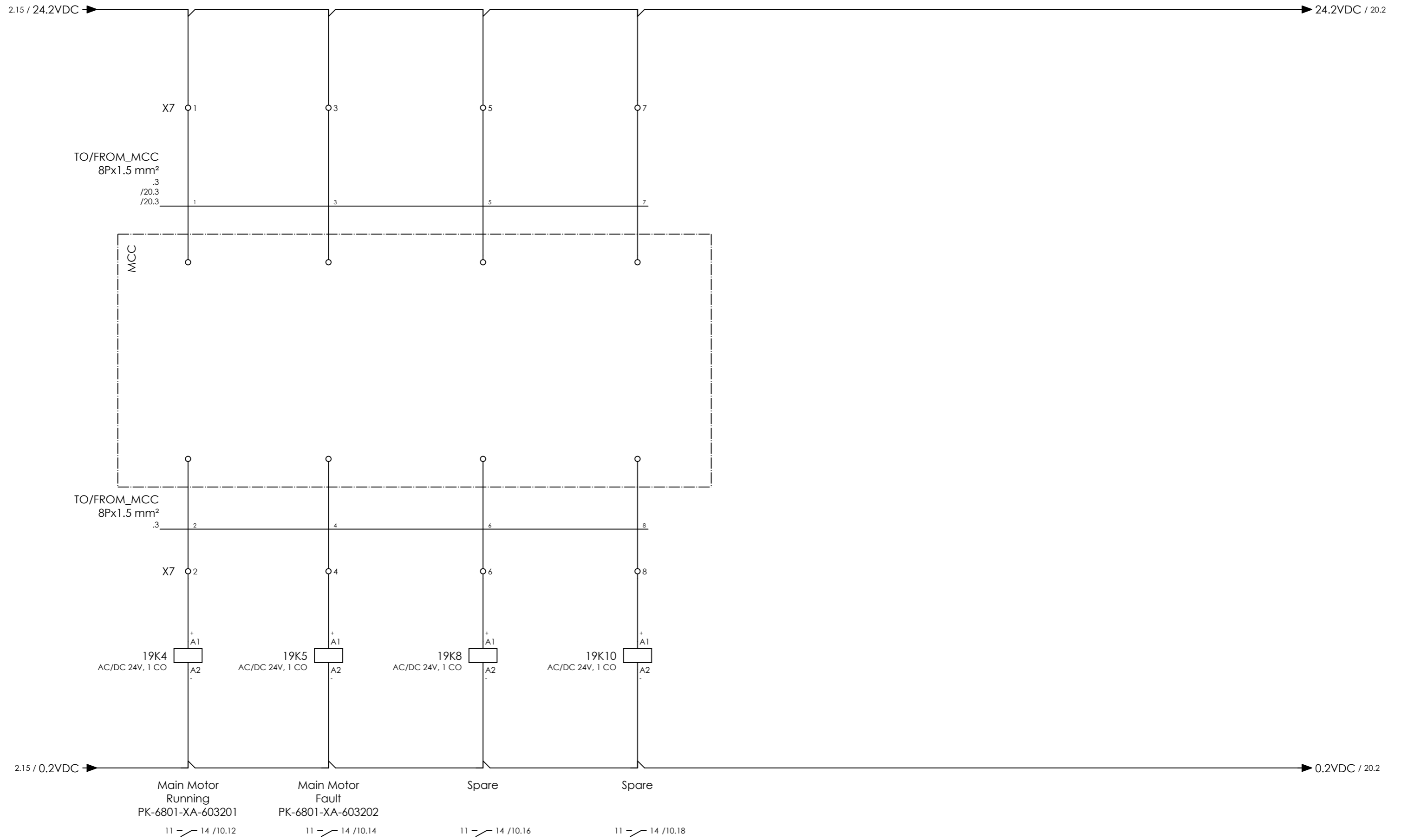
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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Digital Outputs	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	21	



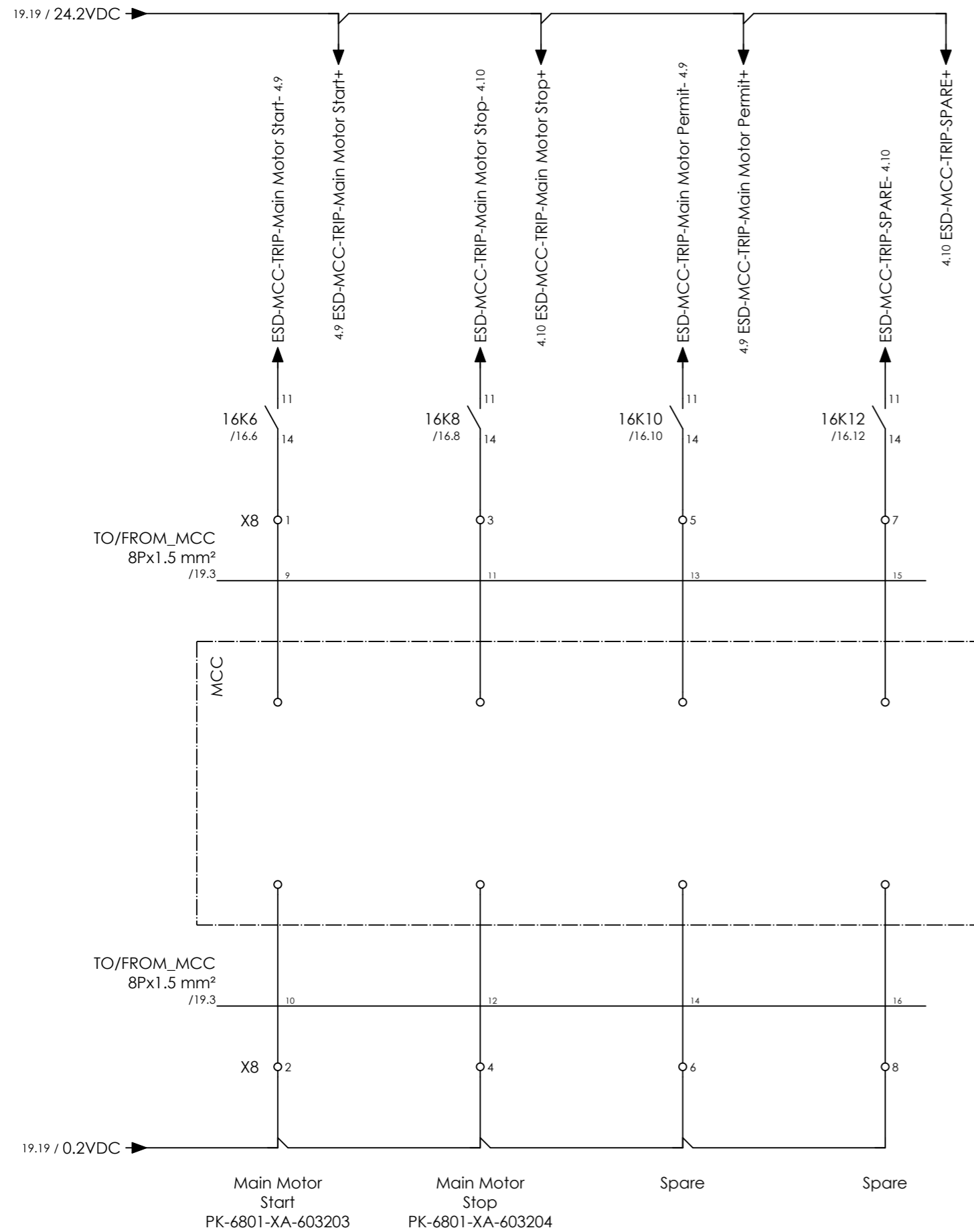
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EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	00	LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	00	
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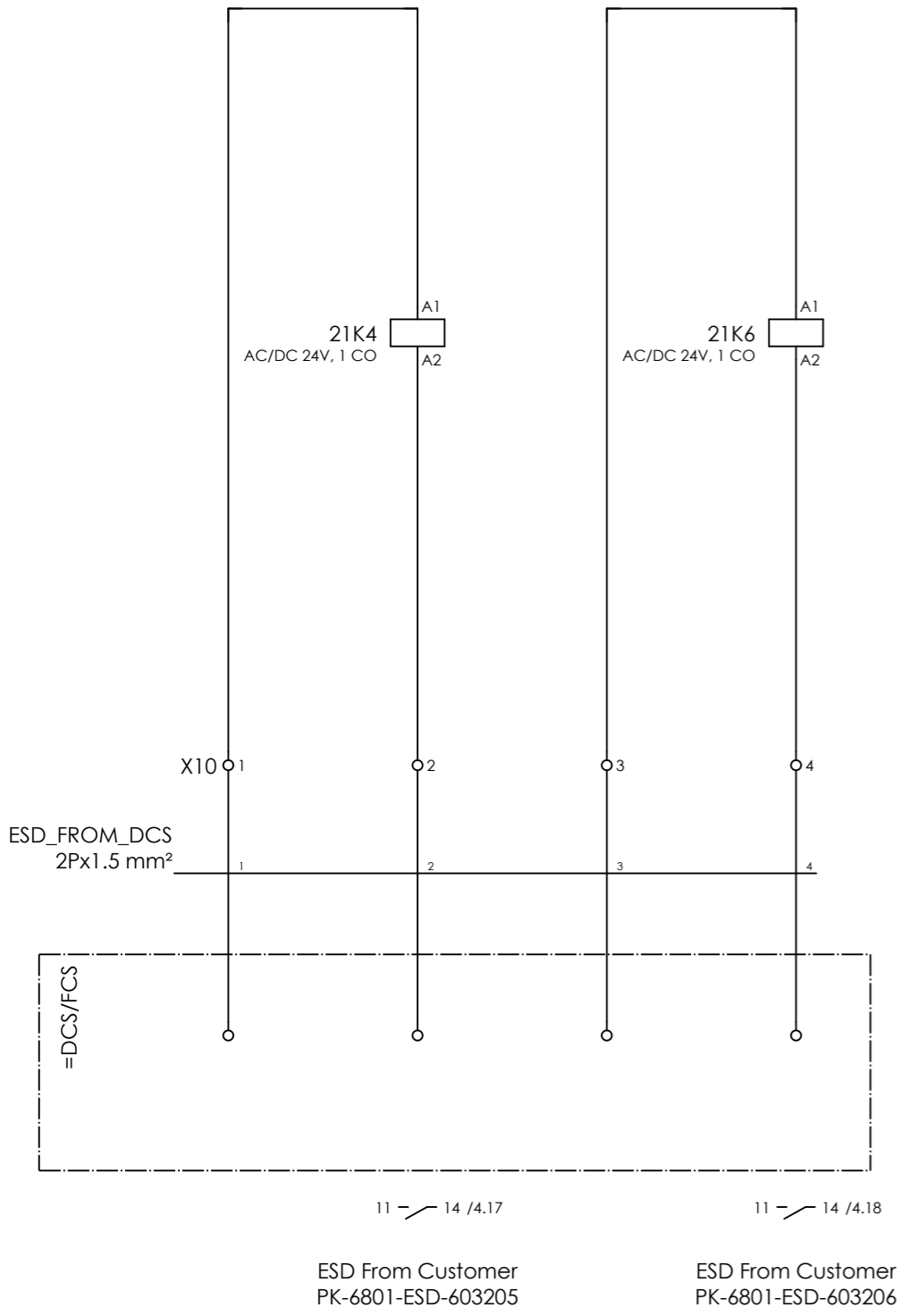


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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT From MCC	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

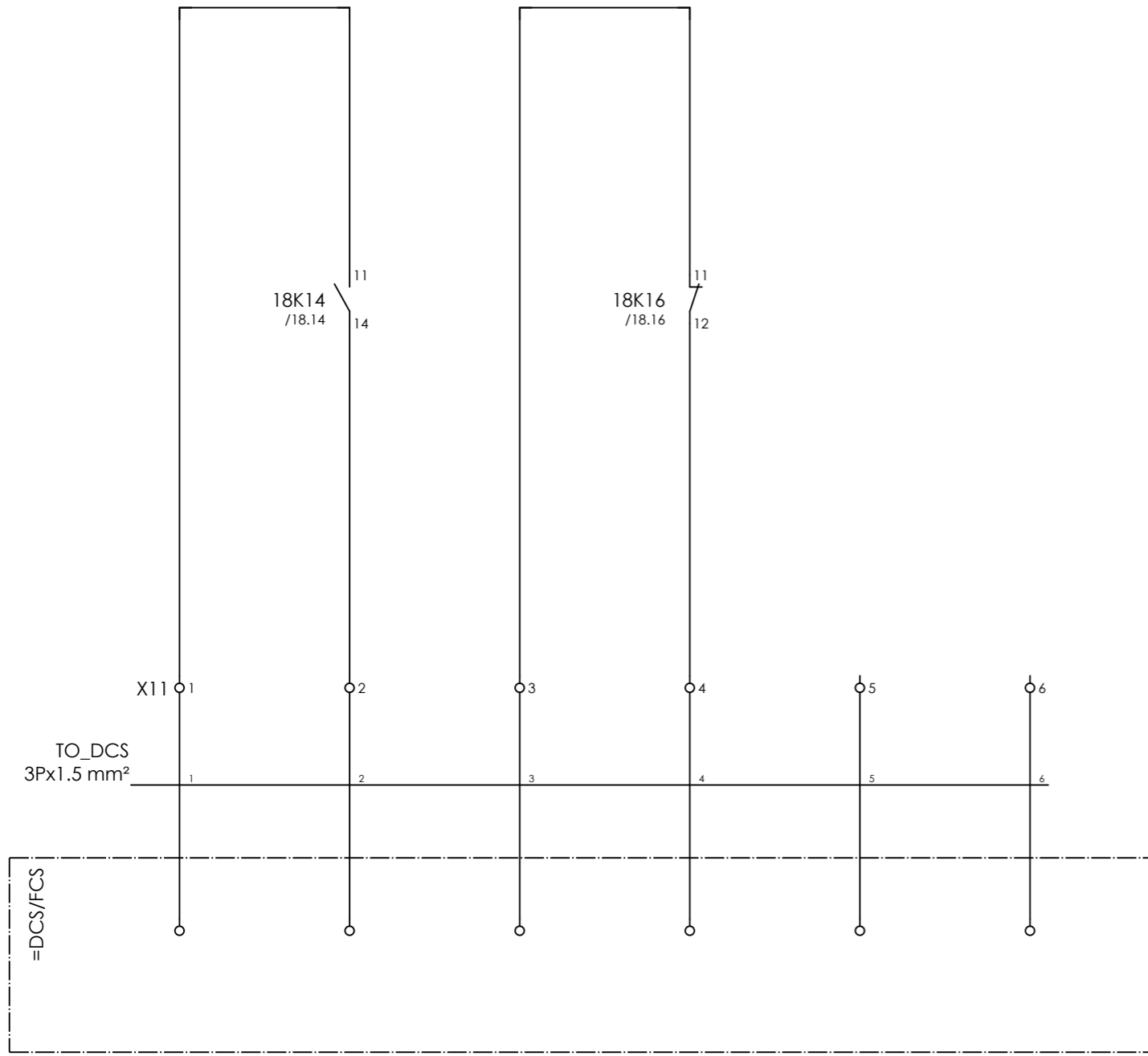
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LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	23	





CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY		RTR		= PK-6801	
From DCS ESD		CHECKED BY		RBE		+ UCP-PK6801-01	
ADAPTED TO P&ID REVISION	00	LAST MODIFICATION DATE		4/11/2025		CURRENT PAGE	
CLIENT	Seraj Gostaran Rejal	AIRPACK DWG NO.		23249-05			
CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION		00			
AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT		25			



DCS Package  
Running Feedback  
PK-6801-ESD-603207

DCS Package  
Trip Feedback  
PK-6801-ESD-603208

Spare

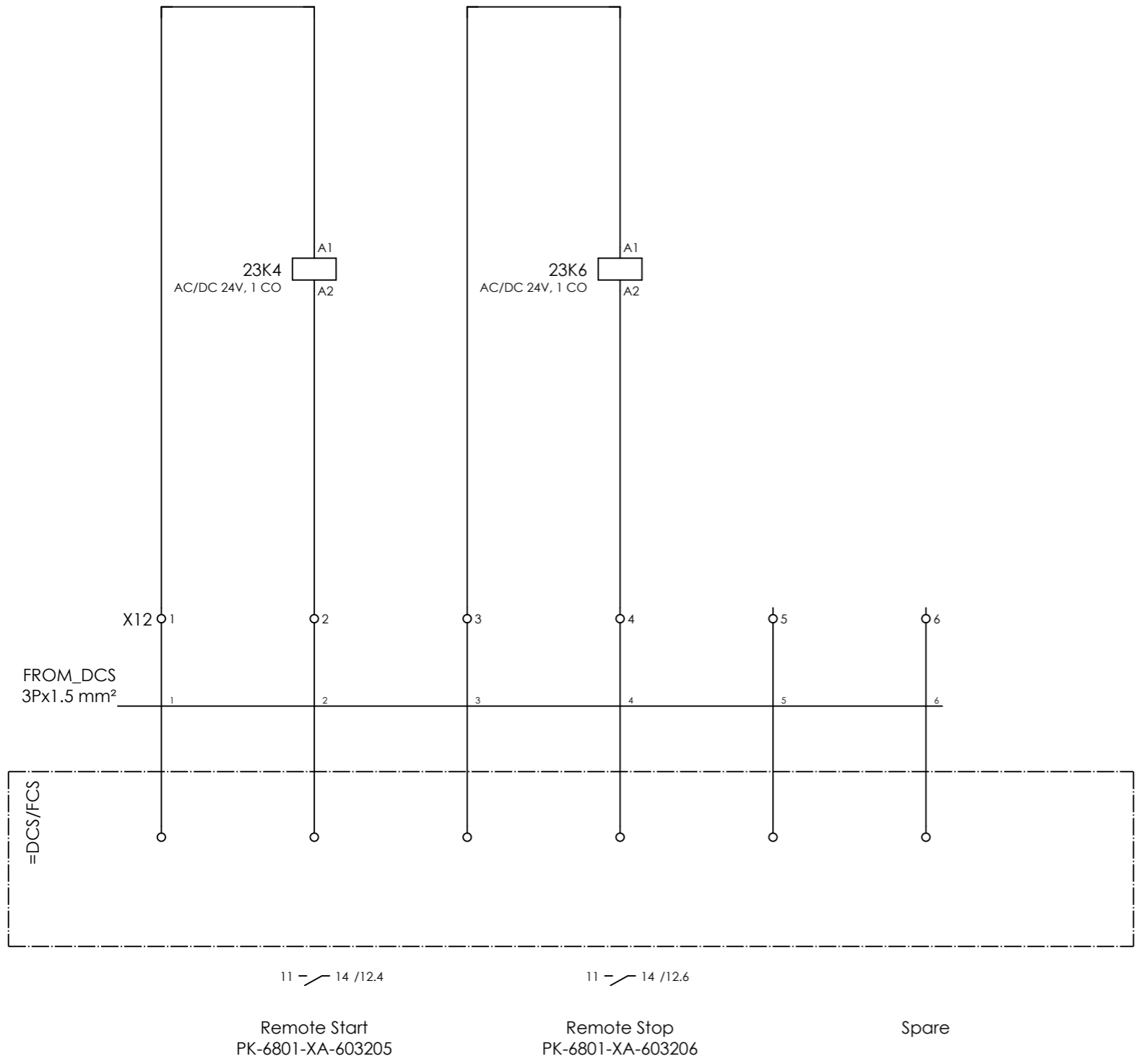


CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT To DCS	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR
CHECKED BY	RBE
LAST MODIFICATION DATE	4/11/2025
AIRPACK DWG NO.	23249-05
REVISION	00
TOTAL PAGE AMOUNT	26

= PK-6801
+ UCP-PK6801-01
CURRENT PAGE



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT From DCS	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR	= PK-6801
CHECKED BY	RBE	+ UCP-PK6801-01
LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	27	





# Terminal diagram

Cable name		Strip =PK-6801+UCP-PK6801-01-X2 ANALOGUE TRANSMITTER INPUTS						Cable name	
Terminal	Connection point	Terminal	Jumper	Target designation	Connection point	Target designation	Terminal	Connection point	
1+	1	1	.	-5U3	1	+JIAP-PK6801-01-X2	1	1+	
1-	2	2	.	-5U3	2	+JIAP-PK6801-01-X2	2	1-	
2+	3	3	.	-5U3	3	+JIAP-PK6801-01-X2	3	2+	
2-	4	4	.	-5U3	4	+JIAP-PK6801-01-X2	4	2-	
3+	5	5	.	-5U4	5	+JIAP-PK6801-01-X2	5	3+	
3-	6	6	.	-5U4	6	+JIAP-PK6801-01-X2	6	3-	
4+	7	7	.	-5U4	7	+JIAP-PK6801-01-X2	7	4+	
4-	8	8	.	-5U4	8	+JIAP-PK6801-01-X2	8	4-	
5+	9	9	.	-5U5	9	+JIAP-PK6801-01-X2	9	5+	
5-	10	10	.	-5U5	10	+JIAP-PK6801-01-X2	10	5-	
6+	11	11	.	-5U5	11	+JIAP-PK6801-01-X2	11	6+	
6-	12	12	.	-5U5	12	+JIAP-PK6801-01-X2	12	6-	
7+	13	13	.	-5U6	13	+JIAP-PK6801-01-X2	13	7+	
7-	14	14	.	-5U6	14	+JIAP-PK6801-01-X2	14	7-	
8+	15	15	.	-5U6	15	+JIAP-PK6801-01-X2	15	8+	
8-	16	16	.	-5U6	16	+JIAP-PK6801-01-X2	16	8-	
5+	17	17	.	-5U7	17	+JIAP-PK6801-01-X2	17	5+	
5-	18	18	.	-5U7	18	+JIAP-PK6801-01-X2	18	5-	
6+	19	19	.	-5U7	19	+JIAP-PK6801-01-X2	19	6+	
6-	20	20	.	-5U7	20	+JIAP-PK6801-01-X2	20	6-	
7+	21	21	.	-5U8	21	+JIAP-PK6801-01-X2	21	7+	
7-	22	22	.	-5U8	22	+JIAP-PK6801-01-X2	22	7-	
8+	23	23	.	-5U8	23	+JIAP-PK6801-01-X2	23	8+	
8-	24	24	.	-5U8	24	+JIAP-PK6801-01-X2	24	8-	
	ISE	OSH	.						



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CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT	Terminal diagram =PK-6801+UCP-PK6801-01-X2
EQUIPMENT NO.	PK-6801	ADAPTED TO P&ID REVISION	00
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Seraj Gostaran Rejal
		CLIENT REF.	ABT 360 KT/Y PP PLANT Project
		AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR	= PK-6801
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LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	30	

# Terminal diagram

Cable name		Strip =PK-6801+UCP-PK6801-01-X5 DIGITAL OUTPUTS (TO/FROM LCP)						Cable name	
Terminal	Connection point	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point		
-LCP_B	19Cx1.5 mm <sup>2</sup>								
1	1	+LCP-PK6801-001-X5	1	1	•	-19K10	11		
2	2	+LCP-PK6801-001-X5	2	2	•	-8M4	1		
3	3	+LCP-PK6801-001-X5	3	3	•				
4	4	+LCP-PK6801-001-X5	4	4	•	-8M4	2		
5	5	+LCP-PK6801-001-X5	5	5	•				
6	6	+LCP-PK6801-001-X5	6	6	•	-8M4	3		
7	7	+LCP-PK6801-001-X5	7	7	•				
8	8	+LCP-PK6801-001-X5	8	8	•	-8M4	4		
9	9	+LCP-PK6801-001-X5	9	9	•	-23K4	11		
10	10	+LCP-PK6801-001-X5	10	10	•	-8M4	5		
11	11	+LCP-PK6801-001-X5	11	11	•	-8M9	1		
12	12	+LCP-PK6801-001-X5	12	12	•	-17U6	x2		
13	13	+LCP-PK6801-001-X5	13	13	•	-8M9	2		
14	14	+LCP-PK6801-001-X5	14	14	•				
15	15	+LCP-PK6801-001-X5	15	15	•	-8M9	3		
16	16	+LCP-PK6801-001-X5	16	16	•				
17	17	+LCP-PK6801-001-X5	17	17	•	-8M9	4		
18	18	+LCP-PK6801-001-X5	18	18	•	-18K14	AC/DC 24V, CA2		



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CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT	Terminal diagram =PK-6801+UCP-PK6801-01-X5
EQUIPMENT NO.	PK-6801	ADAPTED TO P&ID REVISION	00
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Seraj Gostaran Rejal
		CLIENT REF.	ABT 360 KT/Y PP PLANT Project
		AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR	= PK-6801
CHECKED BY	RBE	+ UCP-PK6801-01
LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	31	

# Terminal diagram

Cable name		Strip =PK-6801+UCP-PK6801-01-X6 SOLENOID VALVES						Cable name	
Terminal	Connection point	Target designation	Jumper	Terminal	Connection point	Target designation	Terminal	Connection point	
1	1	+LCP-PK6801-001-X6		1	1	-16K14		14	
2	2	+LCP-PK6801-001-X6	• —•	2	2	-4ESDR2		24	
3	3	+LCP-PK6801-001-X6		3	3	-16K16		14	
4	4	+LCP-PK6801-001-X6		4	4				
5	5	+LCP-PK6801-001-X6		5	5				
6	6	+LCP-PK6801-001-X6		6	6				
7	7	+LCP-PK6801-001-X6		7	7				
8	8	+LCP-PK6801-001-X6		8	8				
				OSH				PE	



CLIENT DWG NO. L03-RE037-EL-DIG-001  
 EQUIPMENT NO. PK-6801  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =PK-6801+UCP-PK6801-01-X6  
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 CLIENT Seraj Gostaran Rejal  
 CLIENT REF. ABT 360 KT/Y PP PLANT Project  
 AIRPACK REF. 23249-05 Wiring Diagram

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 AIRPACK DWG NO. 23249-05  
 REVISION 00  
 TOTAL PAGE AMOUNT 32

= PK-6801  
 + UCP-PK6801-01  
 CURRENT PAGE



# Terminal diagram

Cable name		Strip =PK-6801+UCP-PK6801-01-X8 SIGNALS TO MCC								Cable name	
Terminal	Connection point	Terminal	Connection point	Terminal	Connection point	Terminal	Connection point	Terminal	Connection point	Terminal	Connection point
1	-16K6	1	14	9	-TO/FROM_MCC	2	-19K10	2	AC/DC 24V, CA	10	8Px1.5 mm²
3	-16K8	3	14	11		4		4		12	
5	-16K10	5	14	13		6		6		14	
7	-16K12	7	14	15		8		8		16	



CLIENT DWG NO. L03-RE037-EL-DIG-001  
 EQUIPMENT NO. PK-6801  
 EQUIPMENT LOCATION Iran, Onshore  
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SUBJECT Terminal diagram =PK-6801+UCP-PK6801-01-X8  
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 CLIENT Seraj Gostaran Rejal  
 CLIENT REF. ABT 360 KT/Y PP PLANT Project  
 AIRPACK REF. 23249-05 Wiring Diagram

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 AIRPACK DWG NO. 23249-05  
 REVISION 00  
 TOTAL PAGE AMOUNT 34

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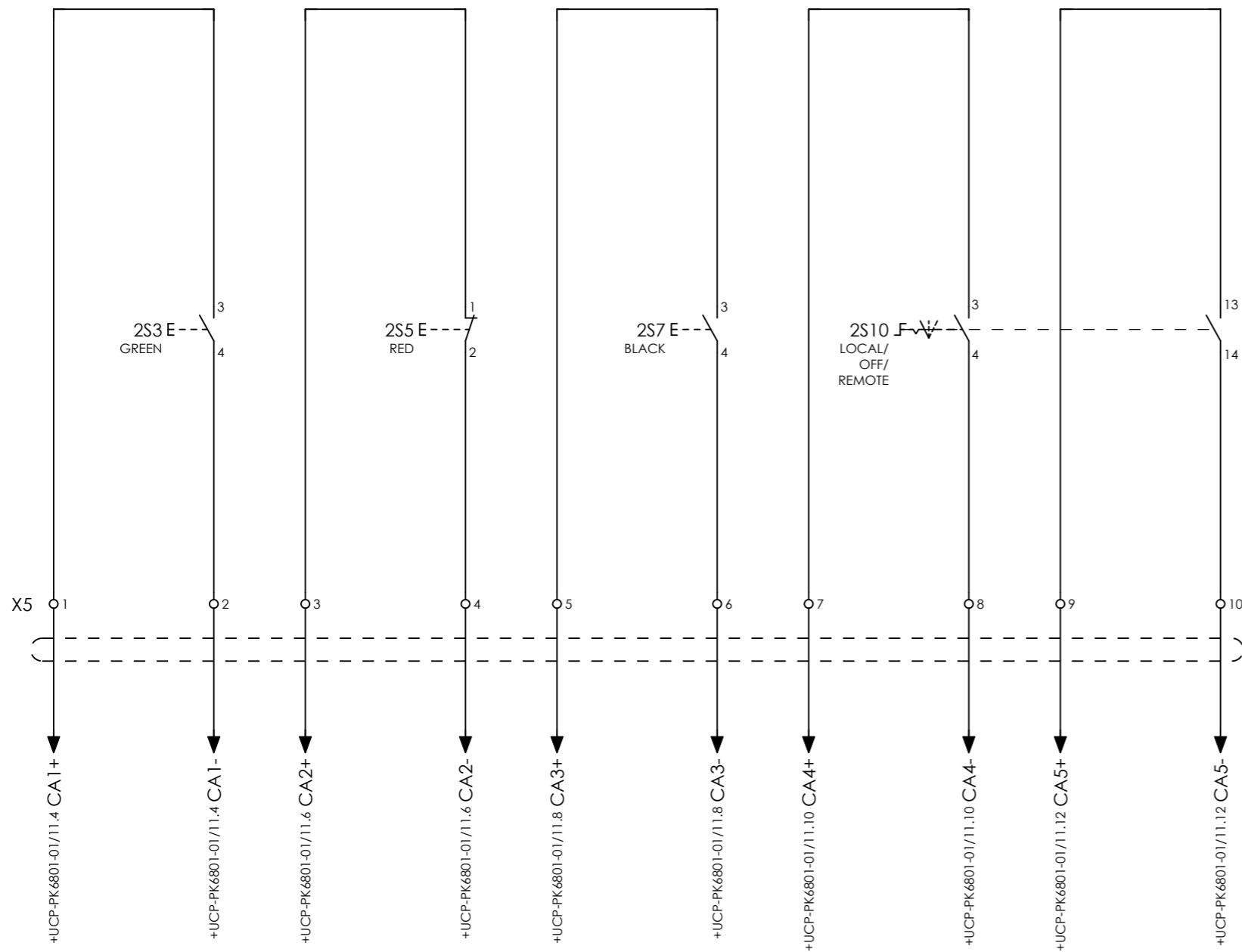


# TERMINAL STRIP DEFINITION

X5 = CONNECTION PUSHBUTTONS & LAMPS COMPRESSOR  
 X6 = CONNECTION SOLENOID VALVES COMPRESSOR  
 X9 = CONNECTION ESD BUTTON COMPRESSOR



CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801
EQUIPMENT NO.	PK-6801	Terminal Strip Definition		CHECKED BY	RBE	+ LCP-PK6801-001
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	00	LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	00	
		AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	39	



Compressor  
Start Button LCP  
PK-6801-HS-603101

Compressor  
Stop Button LCP  
PK-6801-HS-603102

Compressor  
Common Lamptest  
PK-6801-HS-603103

Compressor  
Local Selector Switch  
PK-6801-SW-603101

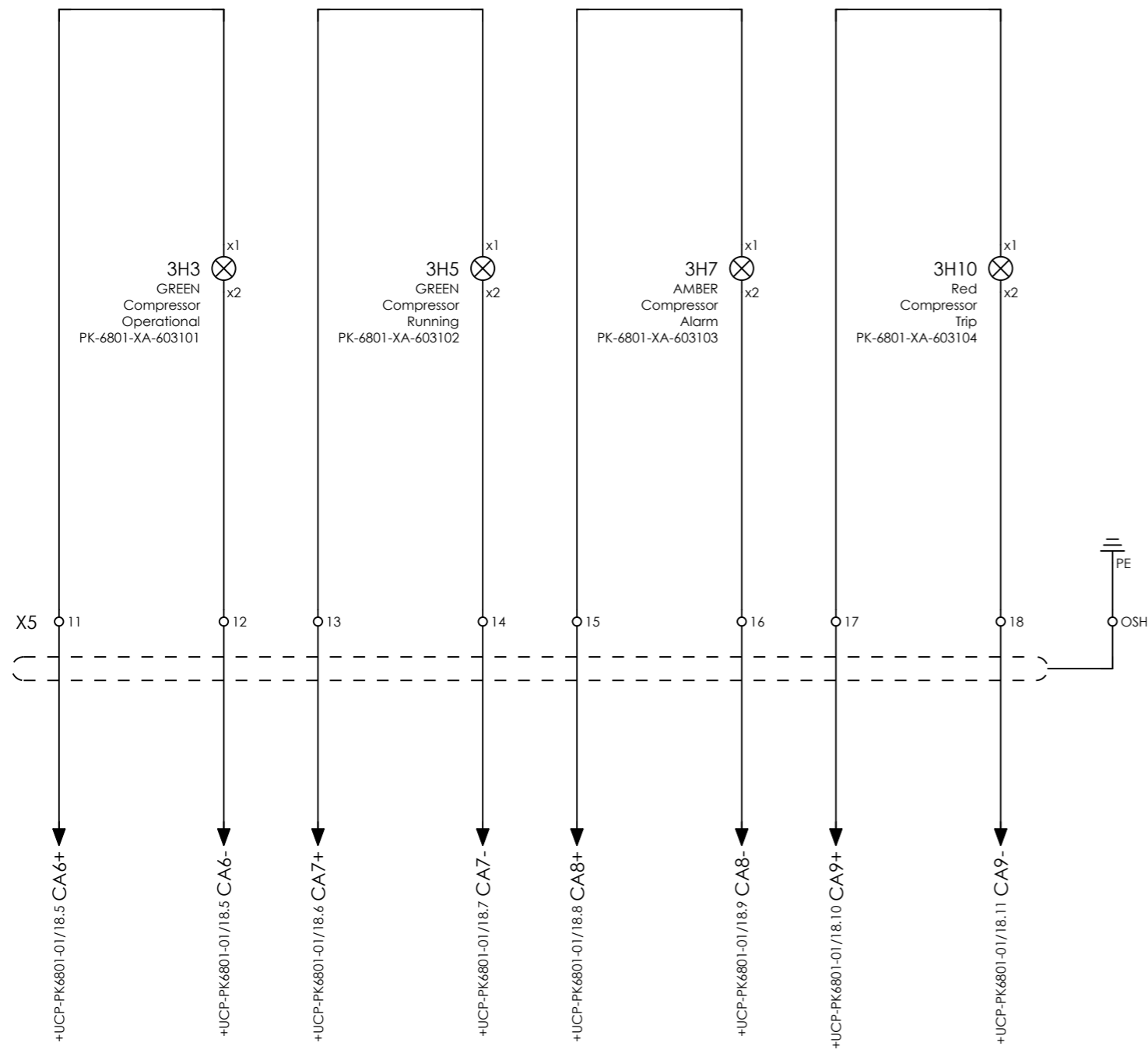
Compressor  
Remote Selector Switch  
PK-6801-SW-603102



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Local Pushbuttons	
ADAPTED TO P&ID REVISION	00
CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

DRAWN BY	RTR	= PK-6801
CHECKED BY	RBE	+ LCP-PK6801-001
LAST MODIFICATION DATE	4/11/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	00	
TOTAL PAGE AMOUNT	40	



Compressor Operational  
PK-6801-XA-603101

Compressor Running  
PK-6801-XA-603102

Compressor Alarm  
PK-6801-XA-603103

Compressor Trip  
PK-6801-XA-603104

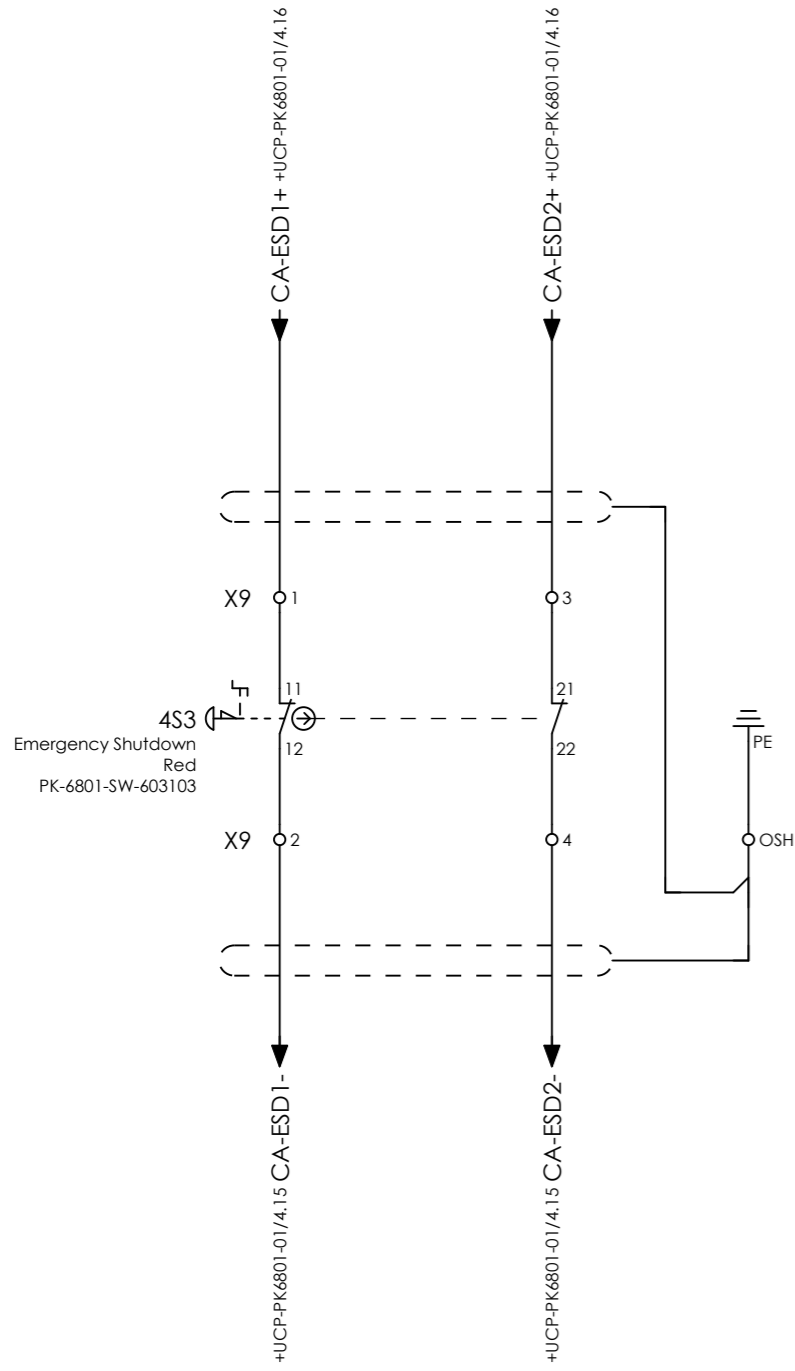


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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Local Signal Lights	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

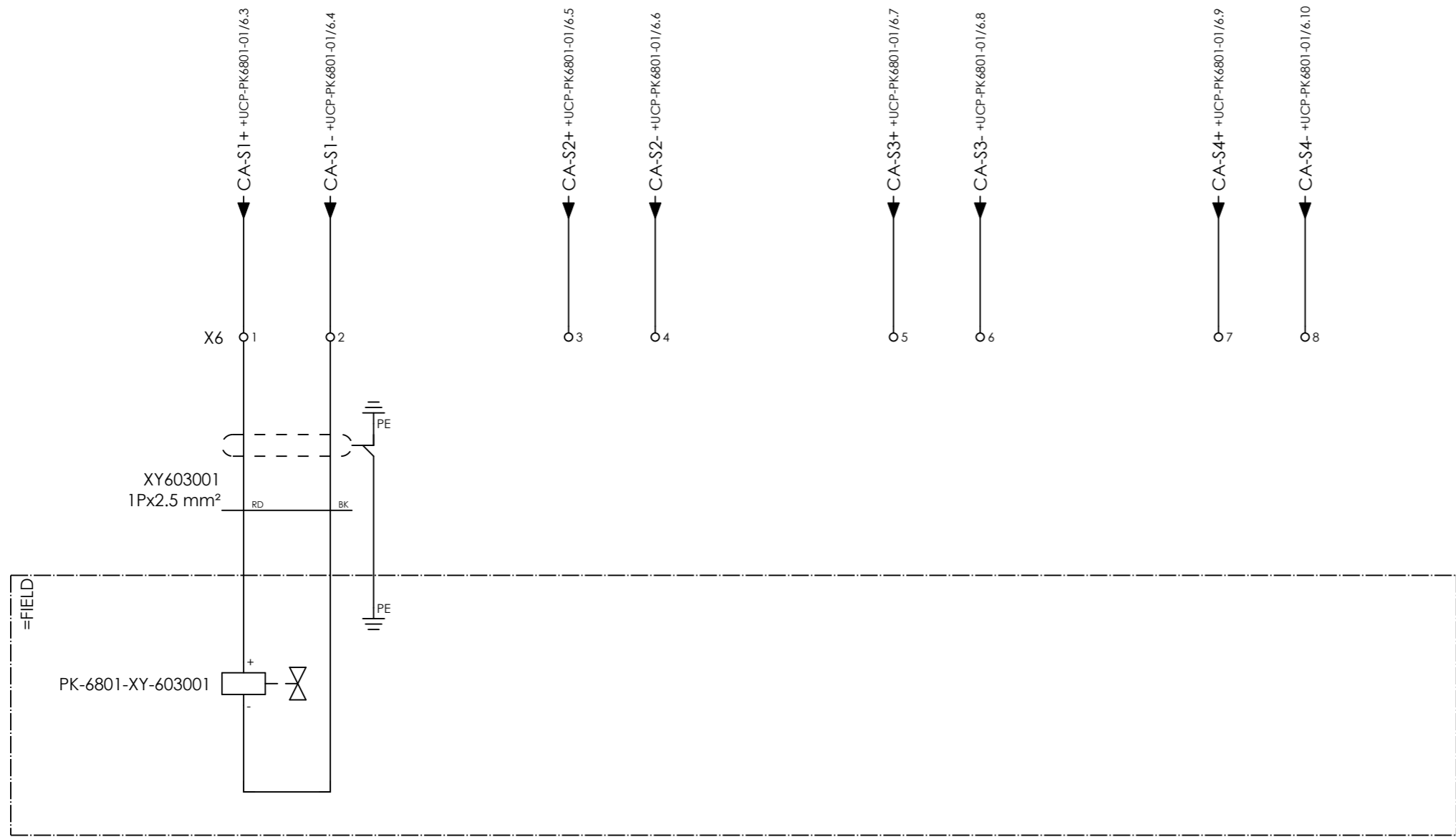
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AIRPACK DWG NO.	23249-05
REVISION	00
TOTAL PAGE AMOUNT	41

= PK-6801
+ LCP-PK6801-001
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Compressor  
Emergency shutdown [LCP]  
PK-6801-SW-603103

	CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801	
	EQUIPMENT NO.	PK-6801	ESD		CHECKED BY	RBE	+ LCP-PK6801-001	
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			CLIENT REF.	ABT 360 KT/Y PP PLANT Project		REVISION	00	
		AIRPACK REF.	23249-05 Wiring Diagram		TOTAL PAGE AMOUNT	42		



Compressor  
Regulating  
Solenoid Valve  
Load/Unload  
PK-6801-XY-603001

Spare

Spare

Spare



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Solenoids	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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# TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS COMPRESSOR



CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801
EQUIPMENT NO.	PK-6801	Terminal Strip Definition		CHECKED BY	RBE	+ JIAP-PK6801-01
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	00	
		AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	47	



PDT603001  
1Px1.5 mm<sup>2</sup>

X2 01 02

+UCP-PK6801-01/13.4 / CA-TA1+

+UCP-PK6801-01/13.4 / CA-TA1-

Compressor  
Intake Air Filter  
Differential Pressure  
PK-6801-PDT-603001

TT603001  
1Px1.5 mm<sup>2</sup>

03 04

+UCP-PK6801-01/13.7 / CA-TA2+

+UCP-PK6801-01/13.8 / CA-TA2-

Compressor  
Pulsation Damper 1st Stage  
Temperature Alarm  
PK-6801-TT-603001

TT603002  
1Px1.5 mm<sup>2</sup>

05 06

+UCP-PK6801-01/13.13 / CA-TA3+

+UCP-PK6801-01/13.13 / CA-TA3-

Compressor  
Pulsation Damper 1st Stage  
Temperature Trip  
PK-6801-TT-603002

TT603003  
1Px1.5 mm<sup>2</sup>

07 08

+UCP-PK6801-01/13.16 / CA-TA4+

+UCP-PK6801-01/13.17 / CA-TA4-

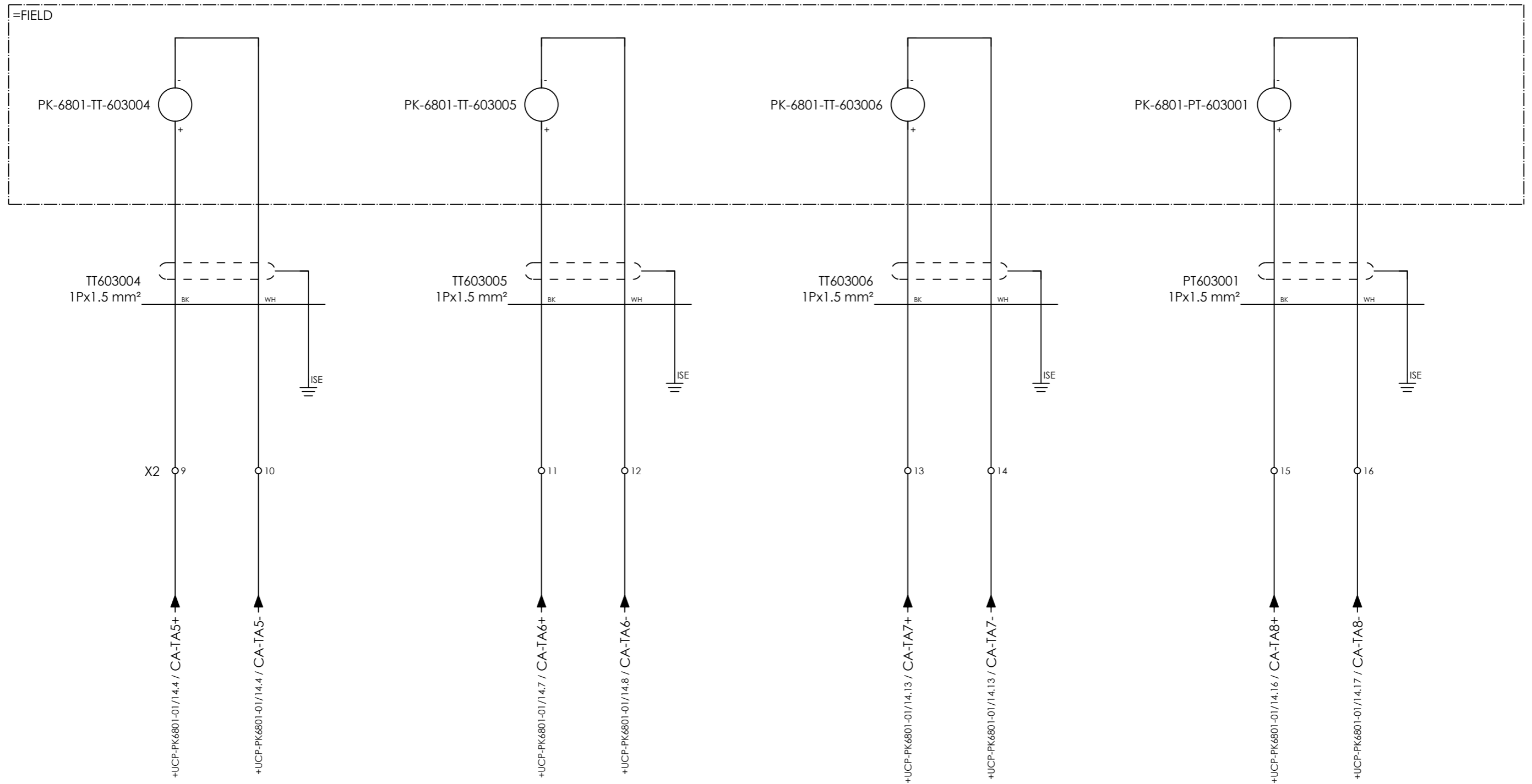
Compressor  
Pulsation Damper 2nd Stage  
Temperature Alarm  
PK-6801-TT-603003



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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Transmitters	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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REVISION	00	
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Compressor  
Pulsation Damper 2nd Stage  
Temperature Trip  
PK-6801-TT-603004

Compressor  
Cooling Water Supply  
Temperature Trip  
PK-6801-TT-603005

Compressor  
Cooling Water Return  
Temperature Trip  
PK-6801-TT-603006

Compressor  
Oil System  
Pressure Trip  
PK-6801-PT-603001



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT Transmitters	
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CLIENT	Seraj Gostaran Rejal
CLIENT REF.	ABT 360 KT/Y PP PLANT Project
AIRPACK REF.	23249-05 Wiring Diagram

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REVISION	00	
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X2 17  
 +UCP-PK6801-01/15.4 / CA-TA9+ →

18  
 +UCP-PK6801-01/15.4 / CA-TA9- →

19  
 +UCP-PK6801-01/15.7 / CA-TA10+ →

20  
 +UCP-PK6801-01/15.8 / CA-TA10- →

21  
 +UCP-PK6801-01/15.13 / CA-TA11+ →

22  
 +UCP-PK6801-01/15.13 / CA-TA11- →

23  
 +UCP-PK6801-01/15.16 / CA-TA12+ →

24  
 +UCP-PK6801-01/15.17 / CA-TA12- →

Compressor  
 Outlet Pressure Alarm  
 PK-6801-PT-603002

Spare

Spare

Spare



CLIENT DWG NO.	L03-RE037-EL-DIG-001
EQUIPMENT NO.	PK-6801
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Transmitters		CHECKED BY		RBE		+ JIAP-PK6801-01	
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CLIENT	Seraj Gostaran Rejal	AIRPACK DWG NO.		23249-05			
CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION		00			
AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT		50			



