



<div>Vendor</div> <div></div>	<div>ABT 360 KT/Y PP PLANT Project</div>			<div>Owner</div> <div></div> <div>سراج گستران رجمال SERAJ GOSTARAN REJAL (سهامی خاص)</div>
	<div>Wiring Diagram (including Terminal Diagram)</div>			
	<div>Vendor's Doc. No.: 2 3 2 4 9 - 0 5</div>	<div>Rev.: 01</div>		
	<div>PPEC Doc. No.: L03-RE037-EL-DIG-001</div>			

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

ITEM NO. :

TOTAL PAGES : 54

NO COMMENT

- **NO COMMENTS** : Documents/Drawings Were Checked By PPEC And Further Step Can Be Followed.
- **COMMENTED AS MARKED:** 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.
- **REJECTED:** Documents/Drawings Were Checked And It Is Not In Comply With Purchase Requisition Requirements.
- **ACCEPTABLE WITH COMMENTS:** 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.
- **NOT RETURNED:** Document Was Received For Information And Not Returned To The Vendor.



Name :
Signature:
Date :

Req. No. :

Seq. No.:

PPEC review & comments does not absolve the vendor of the responsibility for the corrected design, manufacturing and operation of the equipment

01	27-05-2025	Issue for Engineering	R.T.	S.K.	J.J.	
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	ABT 360 KT/Y PP PLANT		Contractor (DEC)	Owner
	Wiring Diagram (including Terminal Diagram)			
	Vendor's Doc. No.: 2 3 2 4 9 - 0 5	Rev.: 01		
PPEC Doc. No.: L03-RE037-EL-DIG-001				
			 سراج گستران رجال SERAJ GOSTARAN REJAL (سهامی خاص)	

PAGE NO.		CHANGE INDEX DURING FORMAL ISSUE						REASON OF LATEST CHANGE
		FIRST ISSUE	SECOND ISSUE	THIRTH ISSUE	FOURTH ISSUE	FIFTH ISSUE	SIXTH ISSUE	
		REV.00	REV.01	REV.02	REV.03	REV.04	REV.05	
1		X	X					
2		X	X					
3		X	X					
4		X	X					
5		X	X					
6		X	X					
7		X	X					
8		X	X					
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38		X	X					
39		X	X					
54		X	X					



Airpack B.V.

4301 RN Zierikzee
The Netherlands

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E-MAIL : AIRPACK@AIRPACK.NL
WEBPAGE : WWW.AIRPACK.NL

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

Last modifications : 5/23/2025

Last modifications by : RTR

Revision no. : 01



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	01
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	5/22/2025	CURRENT PAGE
AIRPACK DWG NO.	23249-05	
REVISION	01	
TOTAL PAGE AMOUNT	1	

COMMENTS ON ELECTRICAL DRAWINGS

Make of PLC is Siemens S7-1200.	Color codes internal wiring.
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.	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
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.	

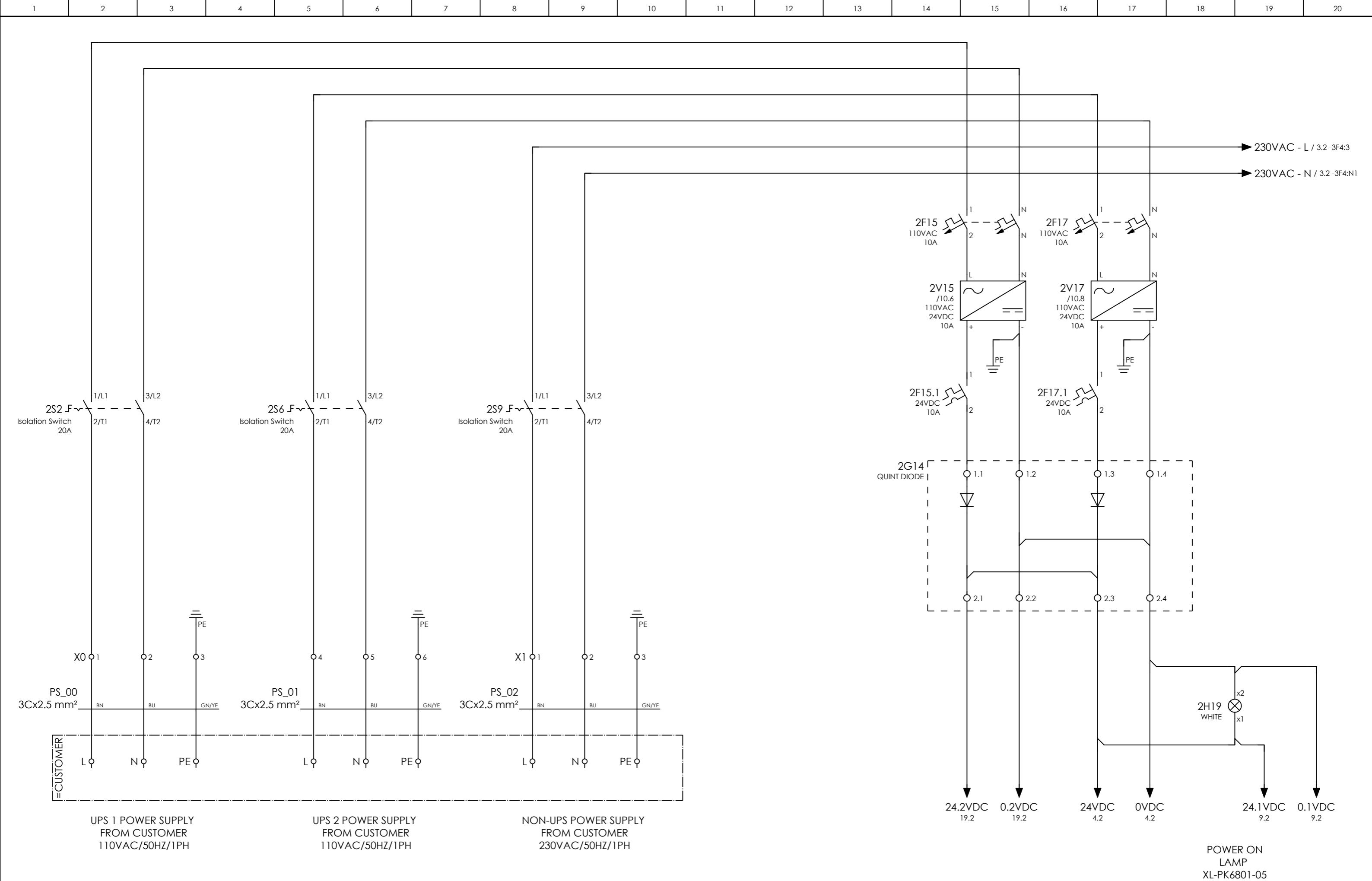
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/2	Project description	2	4/2/2025	rtriegaardt
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=TABLE OF CONTENTS/5	Table of contents : =PK-6801+UCP-PK6801-01/30 - =PK-6801+JIAP-PK6801-01/6	4	5/23/2025	rtriegaardt
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=PK-6801+UCP-PK6801-01/7	PLC Layout	11	4/11/2025	rtriegaardt
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=PK-6801+UCP-PK6801-01/18	Digital Outputs	22	5/23/2025	rtriegaardt
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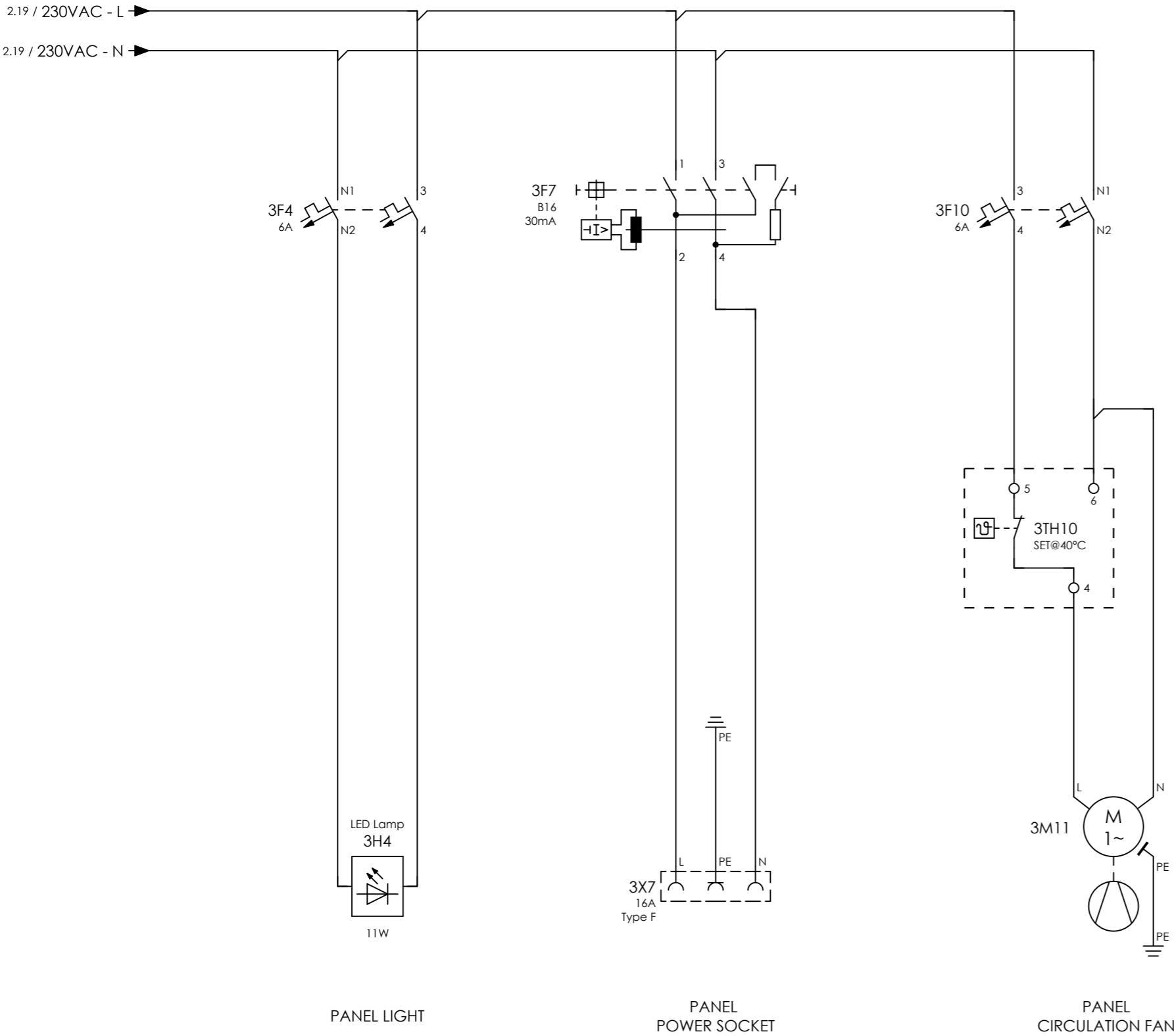
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	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
	THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	CLIENT	Seraj Gostaran Rejal		AIRPACK DWG NO.	23249-05	
		CLIENT REF.	ABT 360 KT/Y PP PLANT Project		REVISION	01	
		AIRPACK REF.	23249-05 Wiring Diagram		TOTAL PAGE AMOUNT	4	

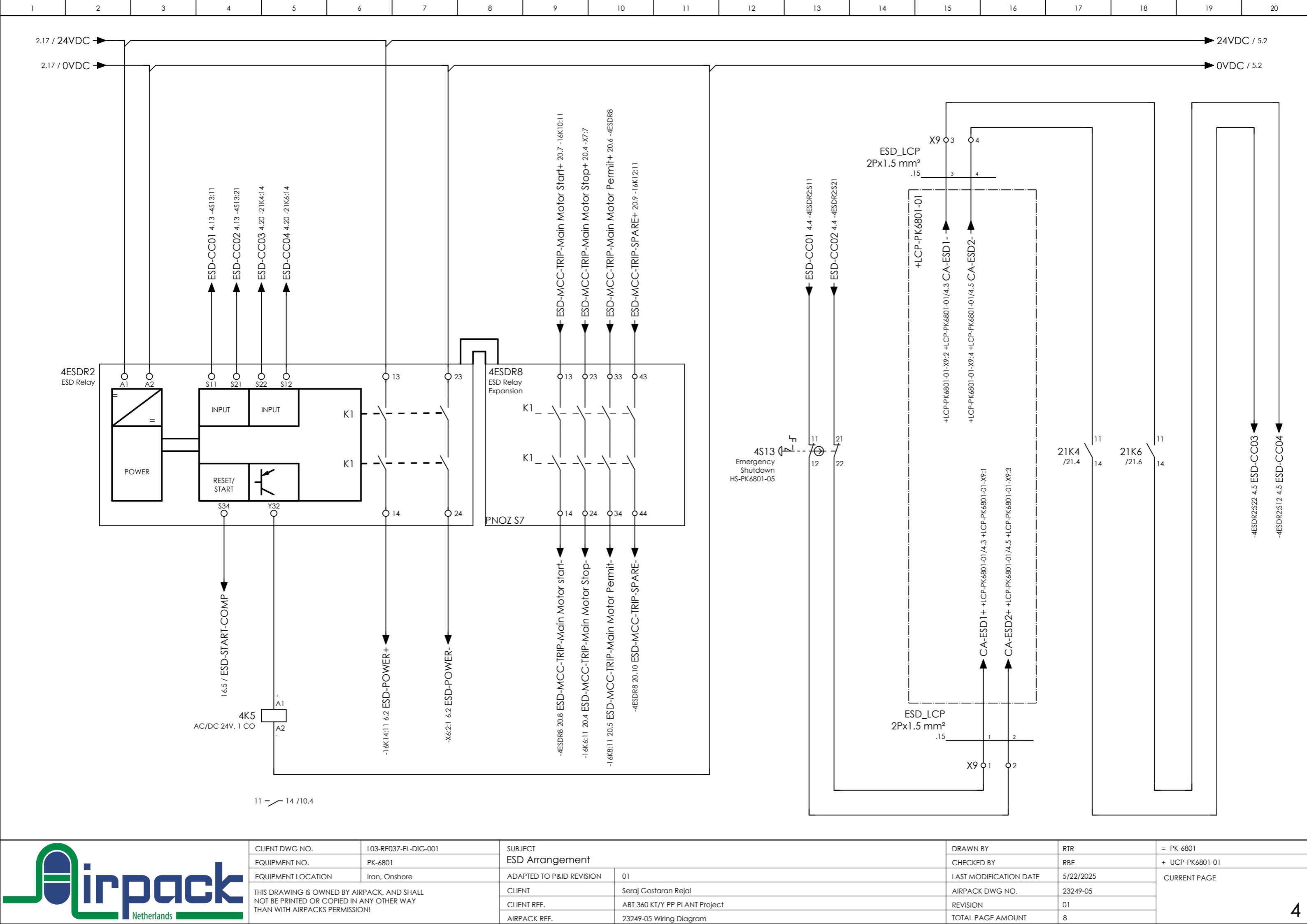
TERMINAL STRIP DEFINITION

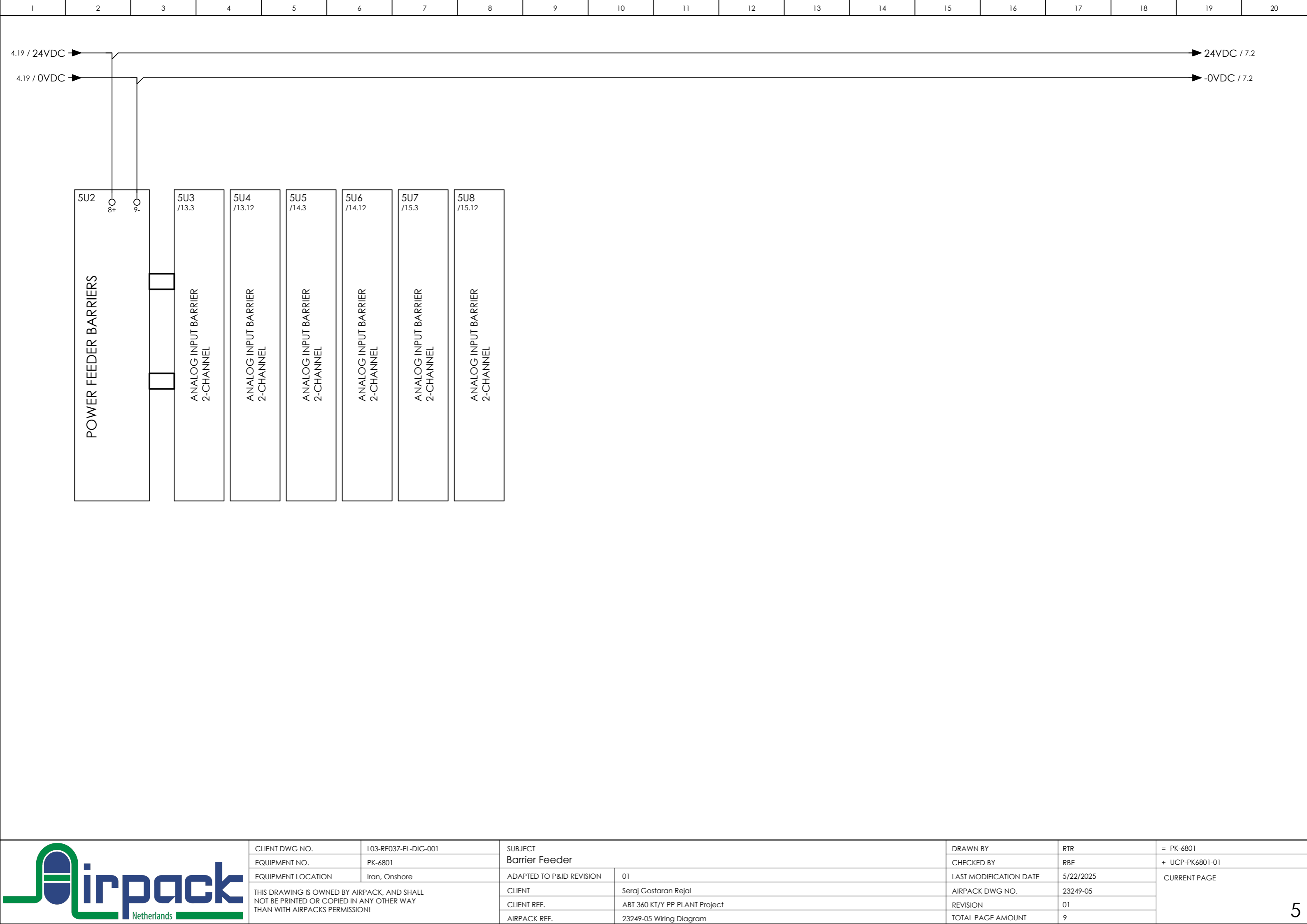
- X0 = POWER SUPPLY 110VAC UPS FROM CUSTOMER
- X1 = POWER SUPPLY 230VAC FROM CUSTOMER
- X2 = ANALOGUE TRANSMITTER INPUTS
- X5 = DIGITAL OUTPUTS (TO/FROM LCP)
- X6 = SOLENOID VALVES
- X7 = SIGNALS FROM MCC
- X8 = SIGNALS TO MCC
- X9 = ESD TERMINALS
- X10 = FROM DCS ESD
- X11 = TO DCS
- X12 = FROM DCS



	CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT Incoming Power Supply		DRAWN BY	RTR	= PK-6801
	EQUIPMENT NO.	PK-6801			CHECKED BY	RBE	+ UCP-PK6801-01
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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			CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01	
			AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	6	2







airpack

Netherlands

CLIENT DWG NO.

L03-RE037-EL-DIG-001

EQUIPMENT NO.

PK-6801

EQUIPMENT LOCATION

Iran, Onshore

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SUBJECT

Barrier Feeder

ADAPTED TO P&ID REVISION

01

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

5/22/2025

CURRENT PAGE

AIRPACK DWG NO.

23249-05

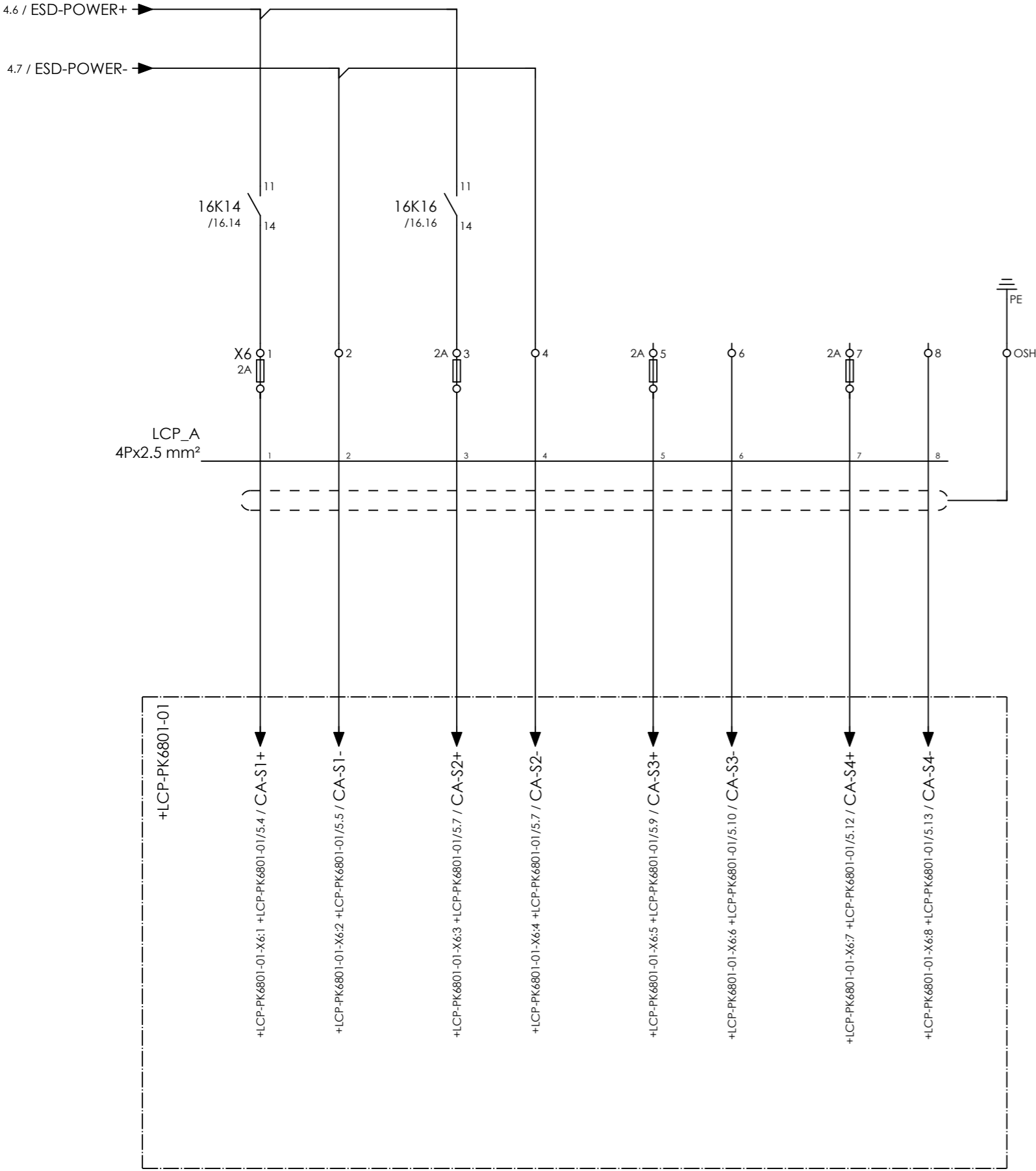
REVISION

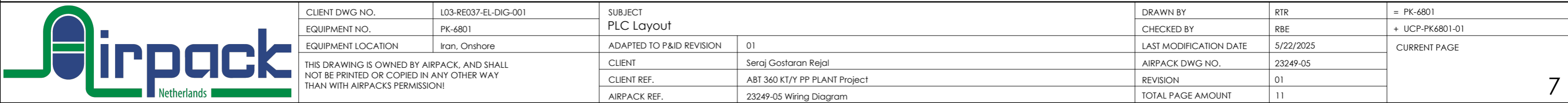
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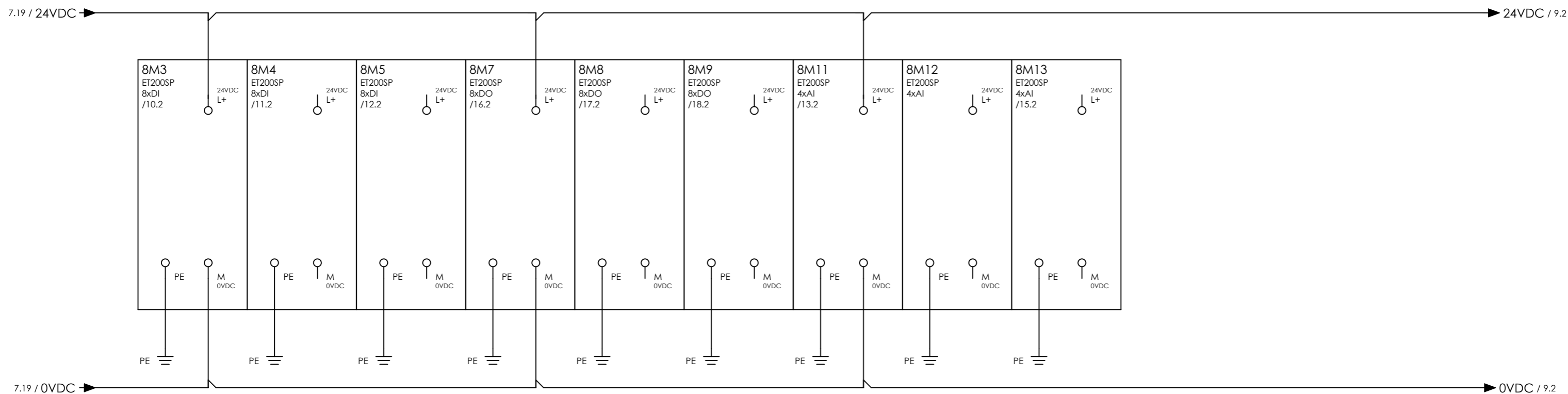
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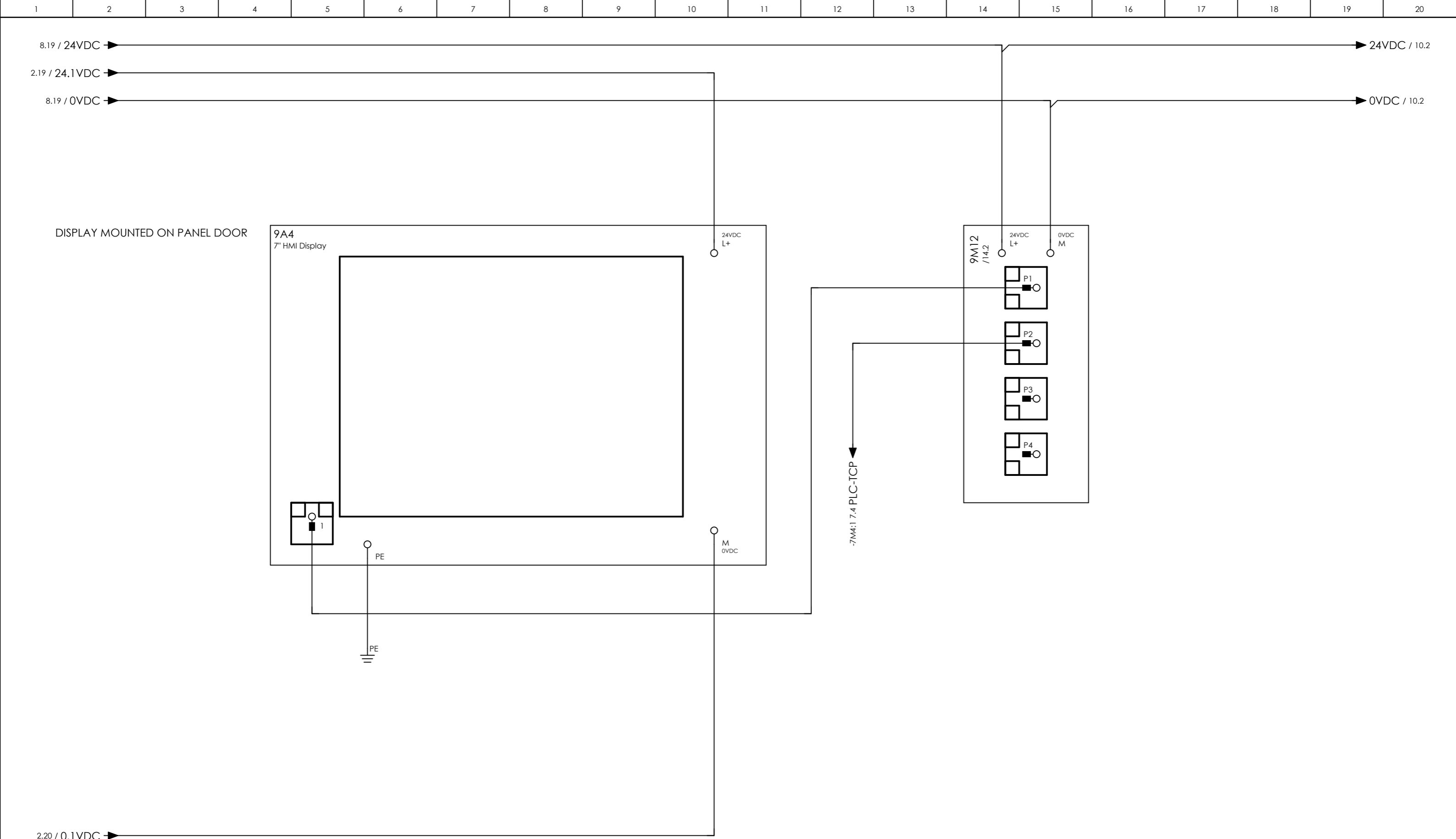
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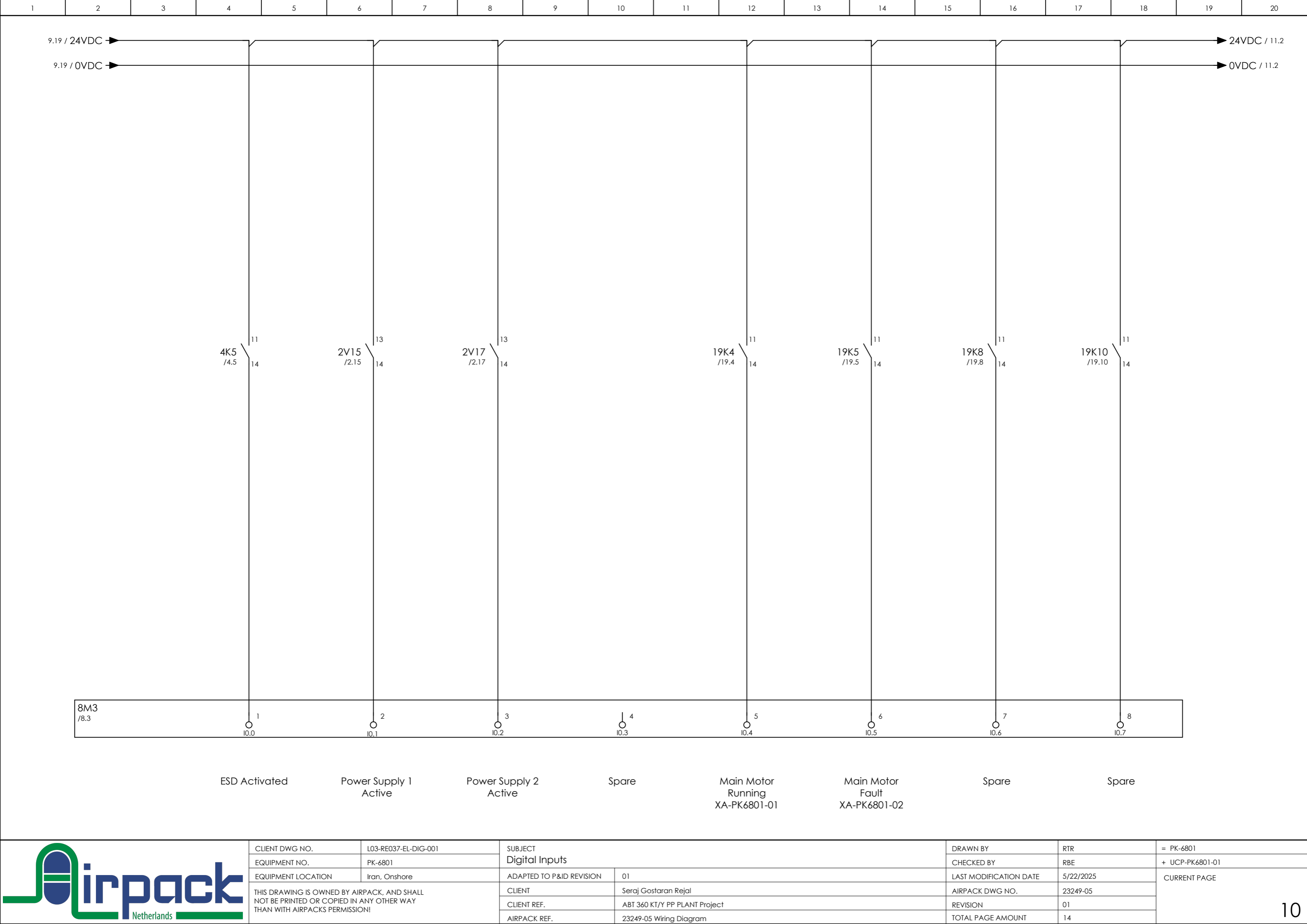


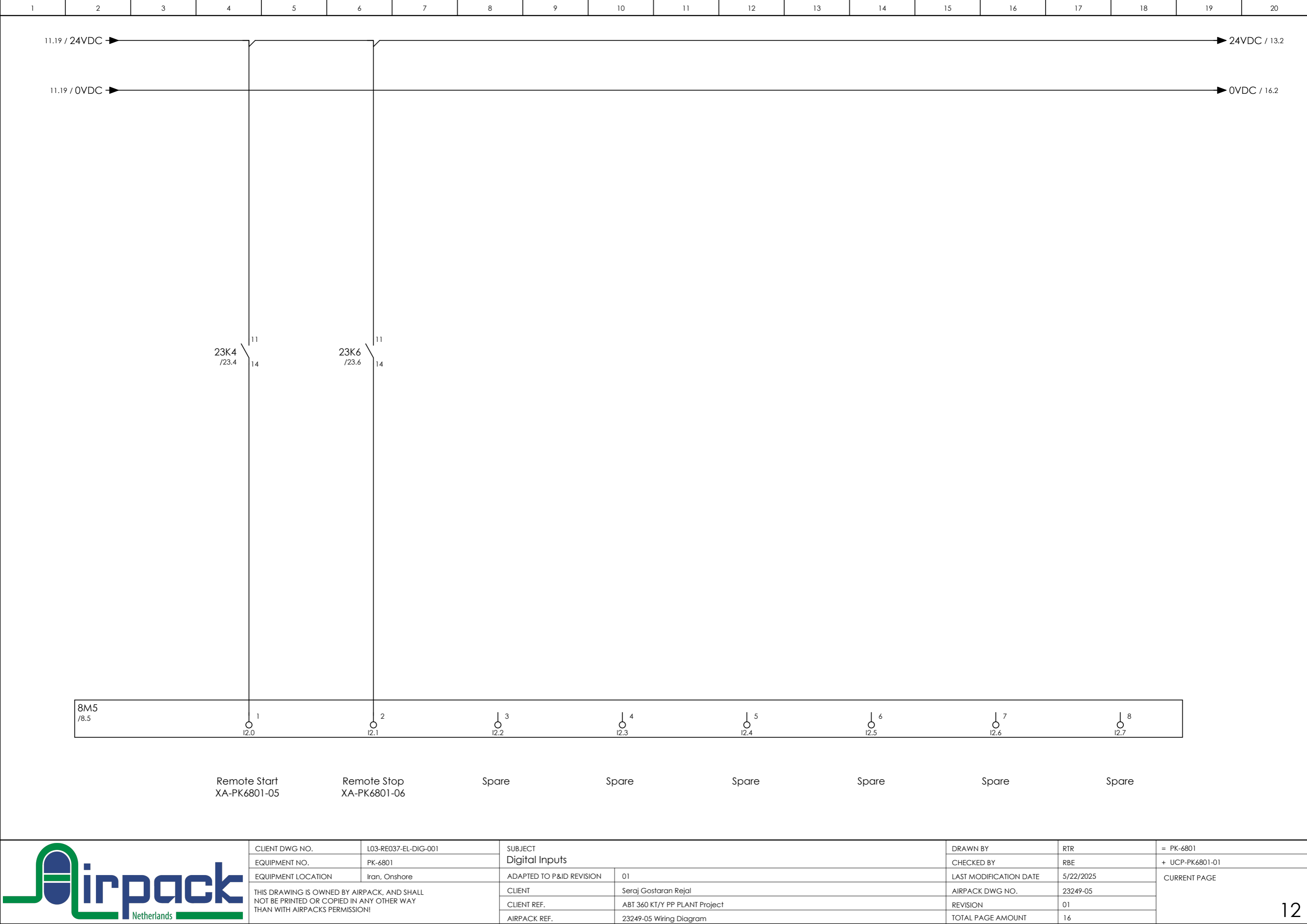


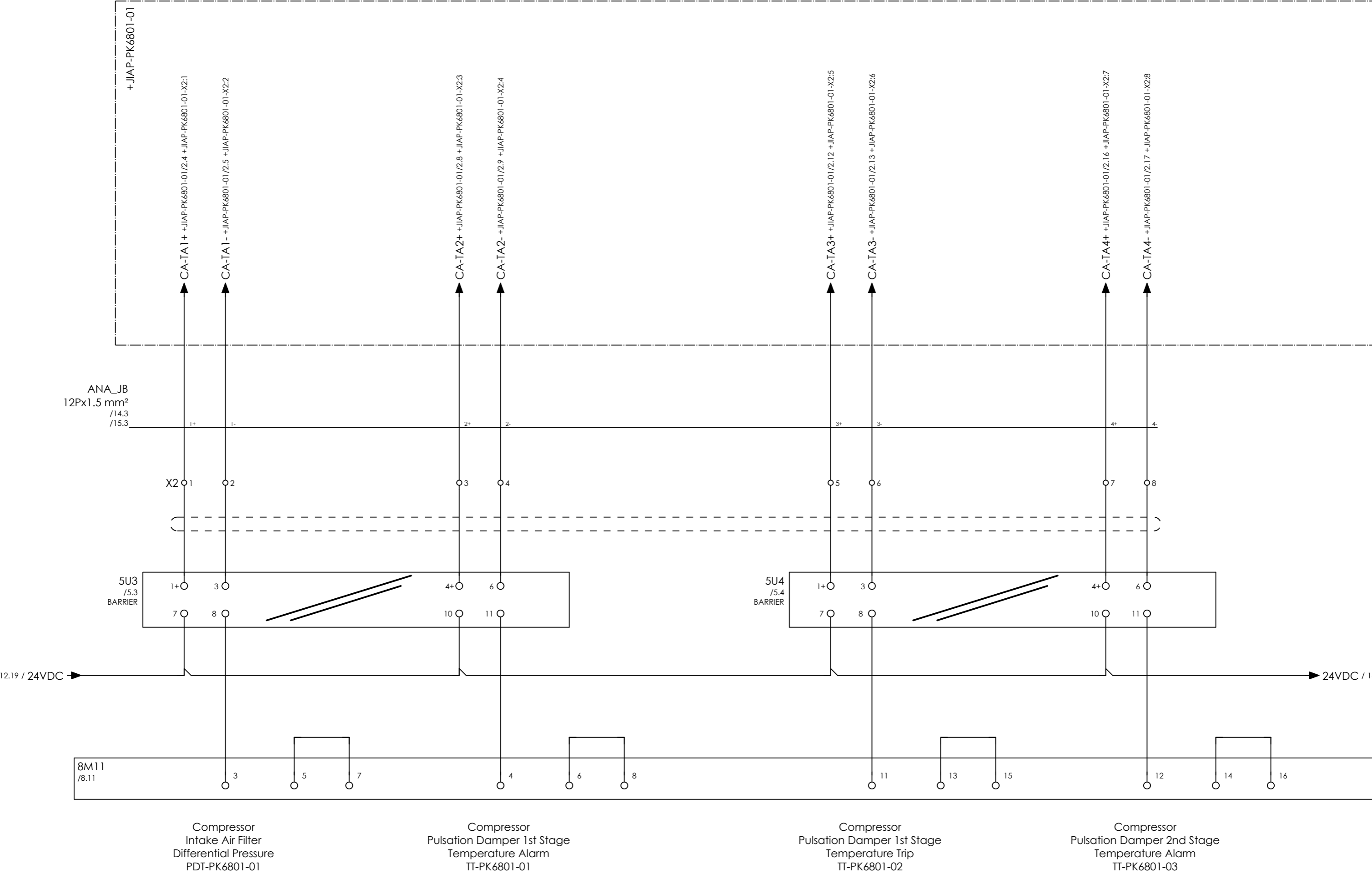


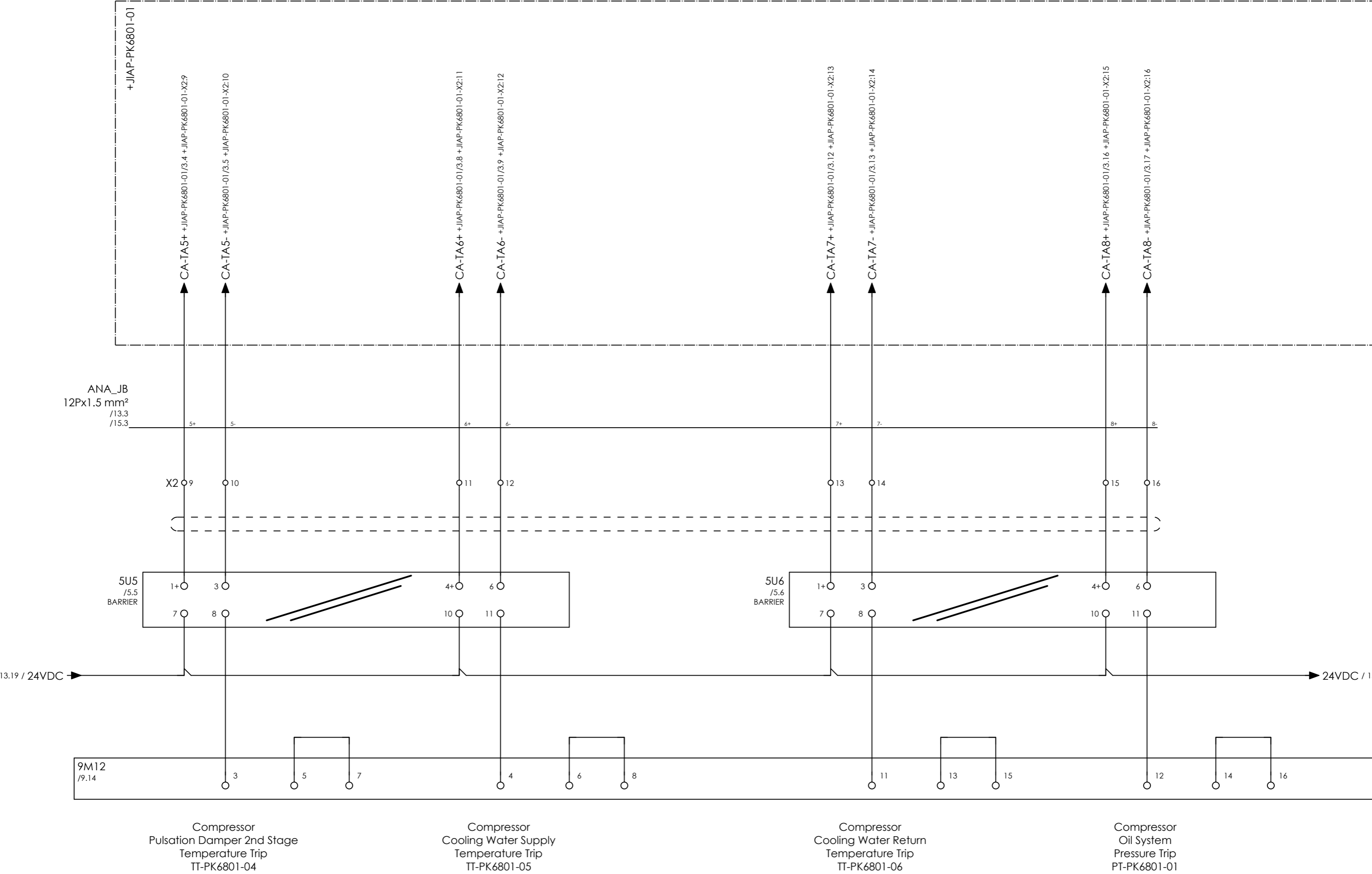
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EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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	CLIENT REF.	ABT 360 KT/Y PP PLANT Project		REVISION	01	
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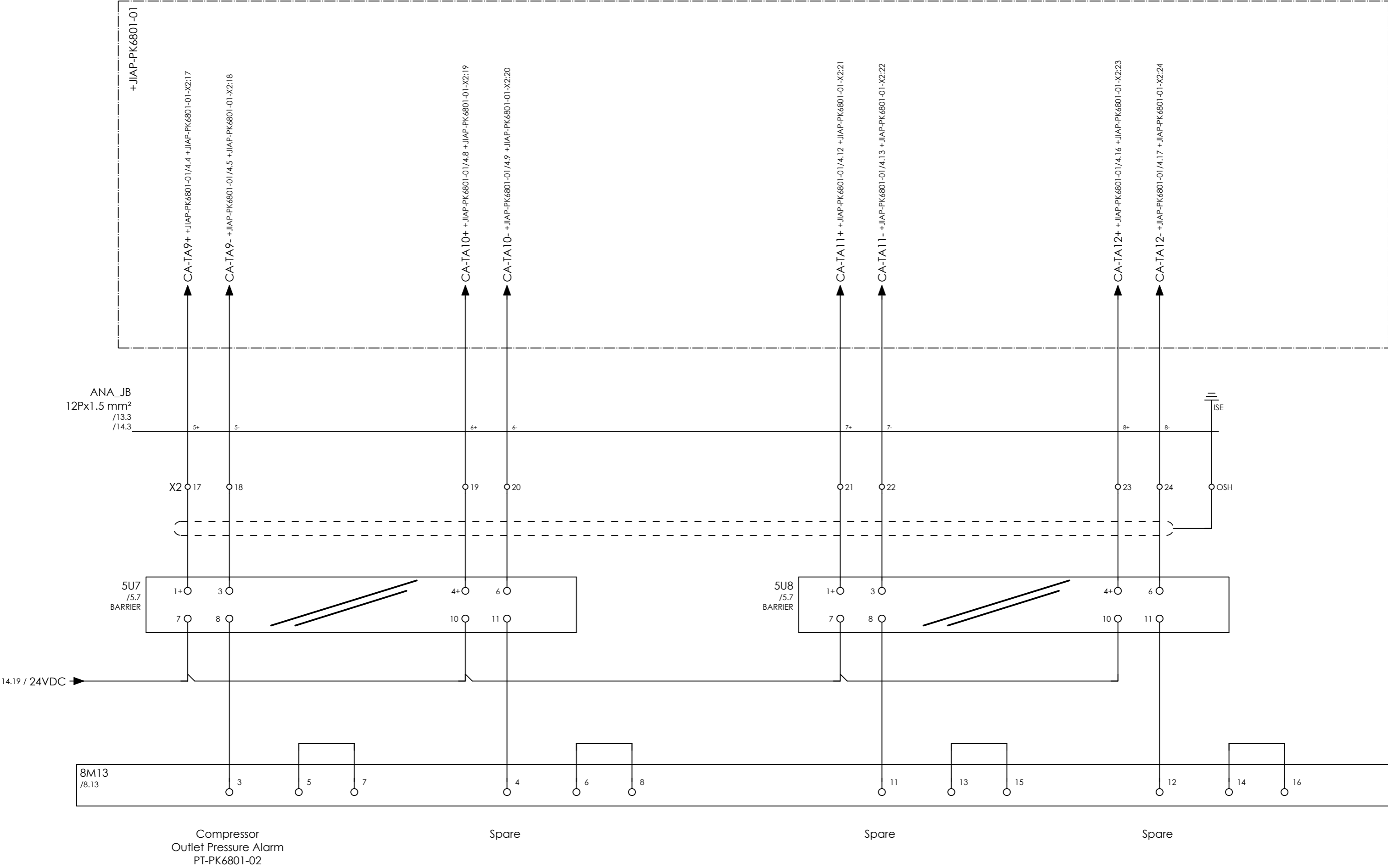




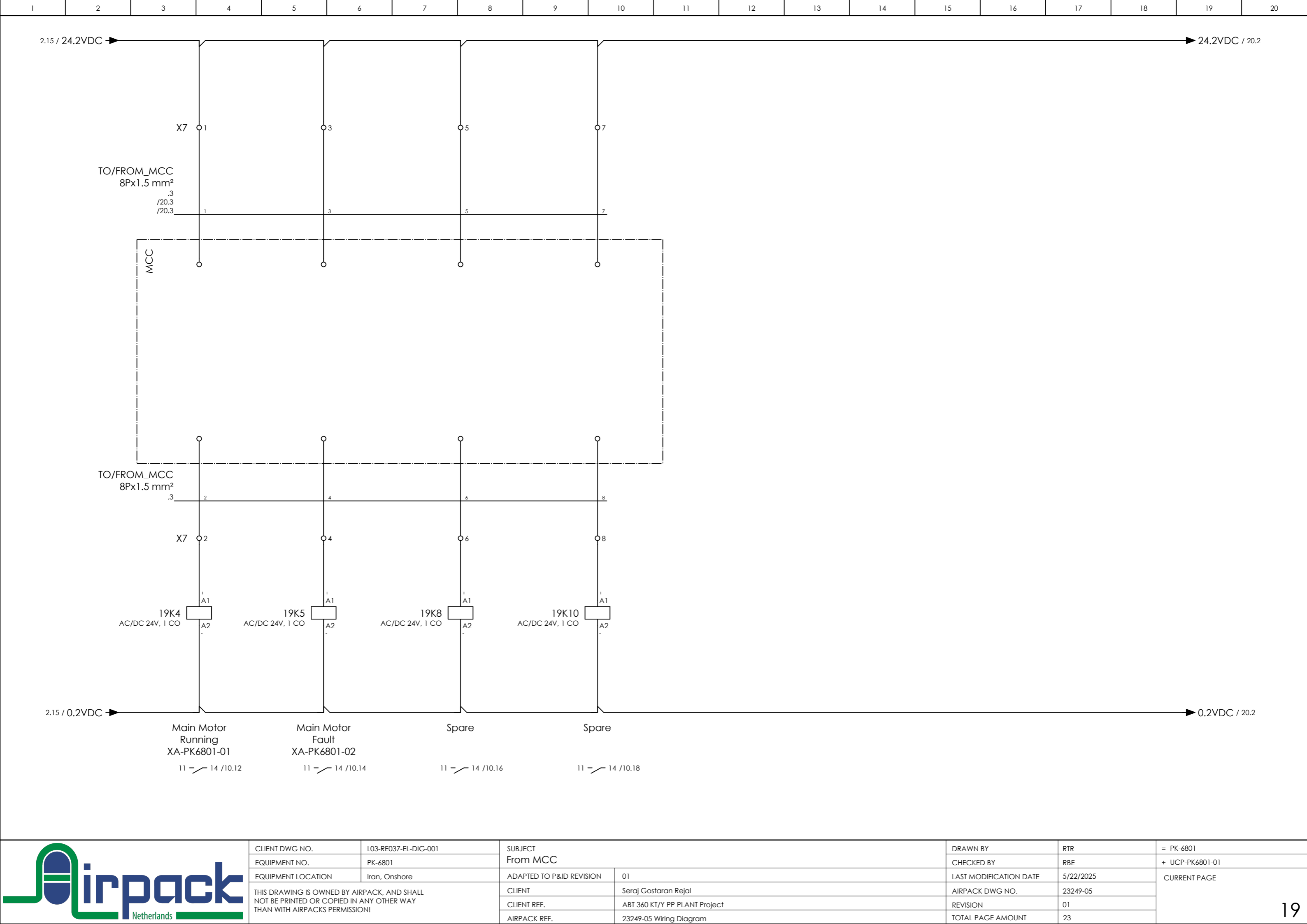


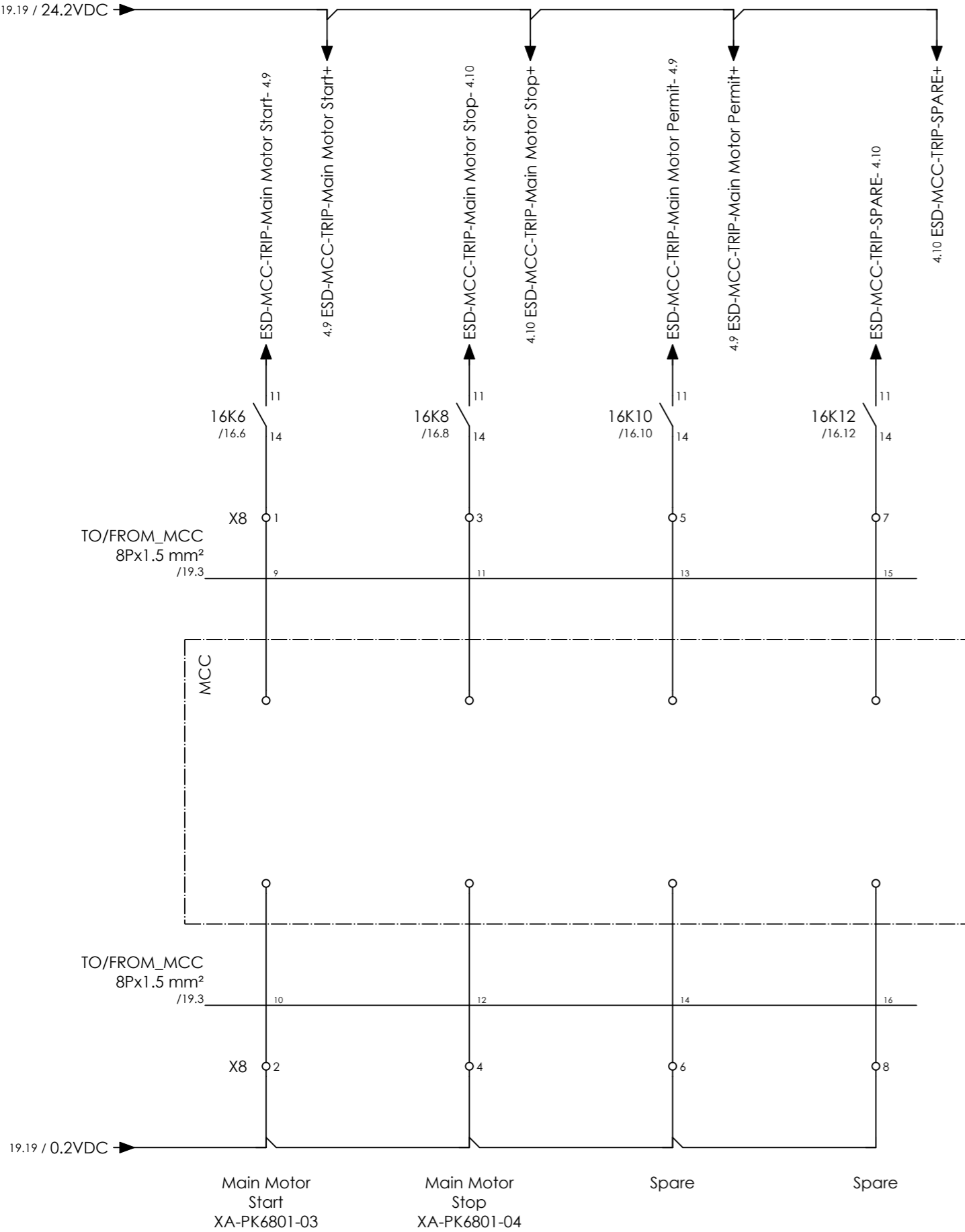


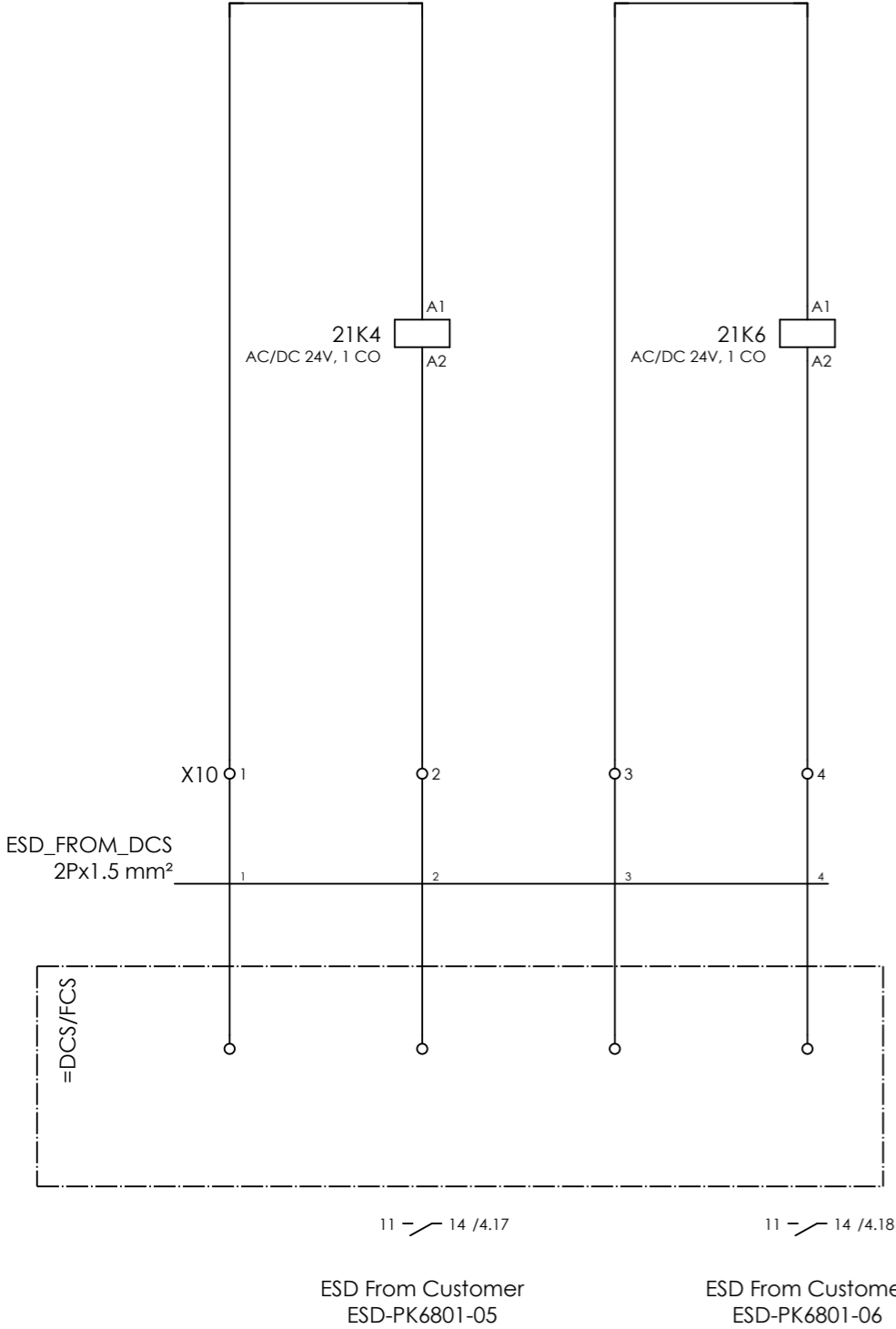




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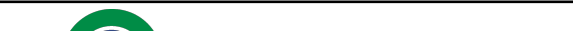


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	CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT Terminal diagram =PK-6801+UCP-PK6801-01-X0		DRAWN BY	RTR	= PK-6801
	EQUIPMENT NO.	PK-6801			CHECKED BY	RBE	+ UCP-PK6801-01
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01		
		AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	28		

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	CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801
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	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
	THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT	Seraj Gostaran Rejal	AIRPACK DWG NO.	23249-05	26
			CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01	
			AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	30	


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[illegible]

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	EQUIPMENT NO.	PK-6801			CHECKED BY	RBE	+ UCP-PK6801-01
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01		
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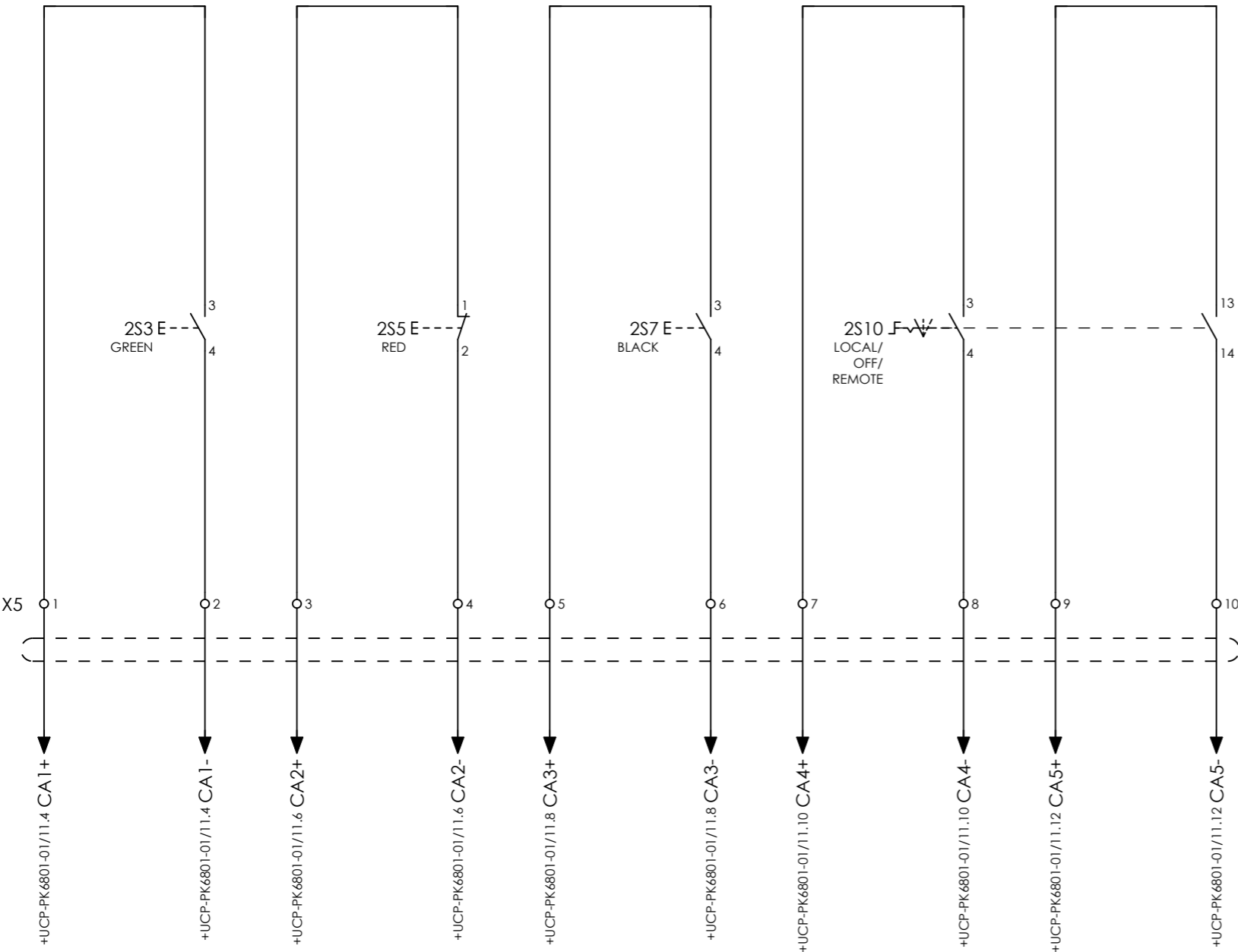
Terminal diagram

Cable name				Cable name																							
Strip =PK-6801+UCP-PK6801-01-X10 FROM DCS ESD				Connection point		Target designation		Jumper		Terminal		Connection point		Target designation													

[illegible]

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TERMINAL STRIP DEFINITION																			
X5 = CONNECTION PUSHBUTTONS & LAMPS COMPRESSOR																			
X6 = CONNECTION SOLENOID VALVES COMPRESSOR																			
X9 = CONNECTION ESD BUTTON COMPRESSOR																			
</																			



Compressor
Start Button LCP
HS-PK6801-01

Compressor
Stop Button LCP
HS-PK6801-02

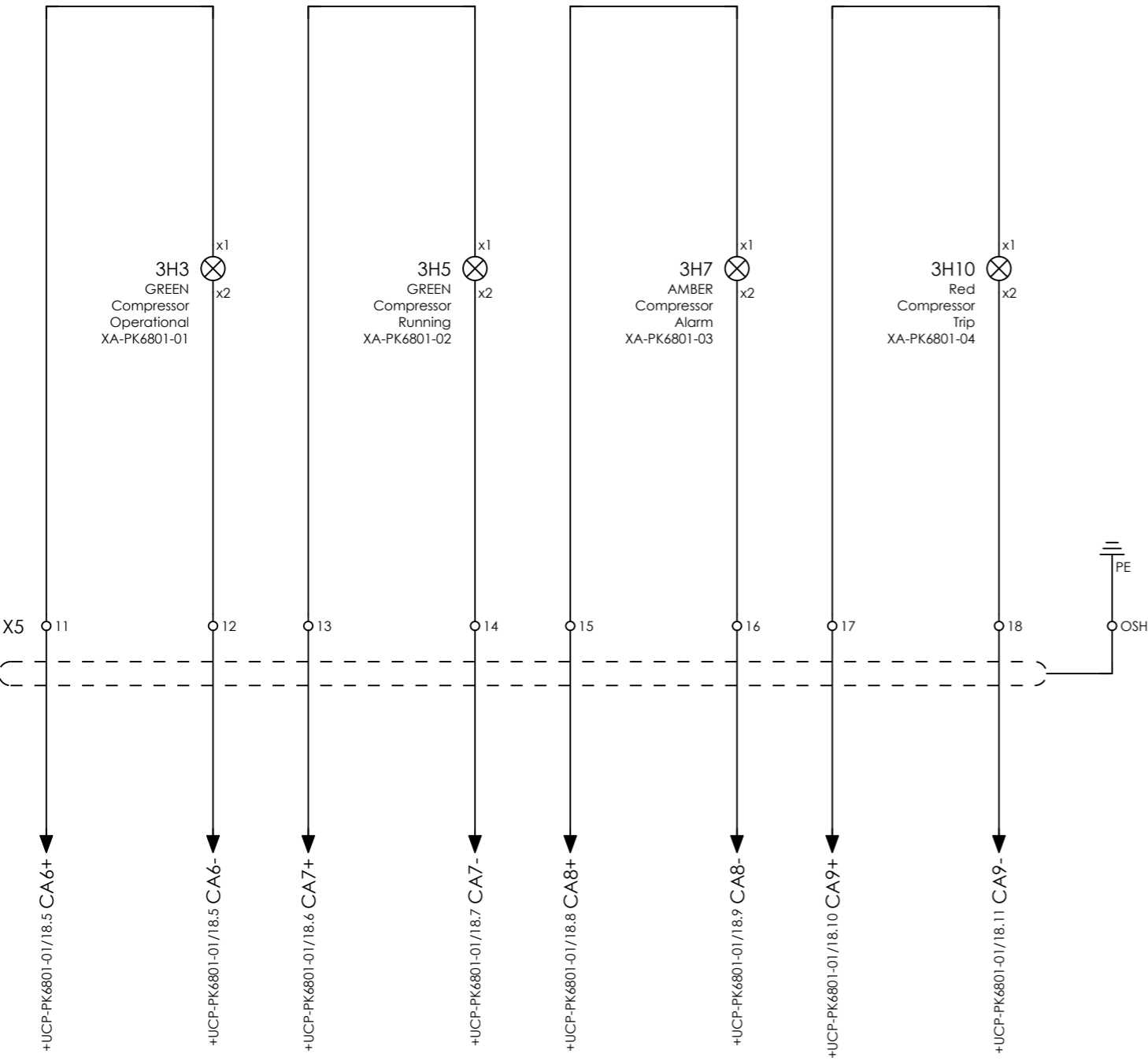
Compressor
Common Lamptest
HS-PK6801-03

Compressor
Local Selector Switch
SW-PK6801-01

Compressor
Remote Selector Switch
SW-PK6801-02



CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801
EQUIPMENT NO.	PK-6801	Local Pushbuttons		CHECKED BY	RBE	+ LCP-PK6801-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01	
		AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	40	



Compressor
Operational
XA-PK6801-01

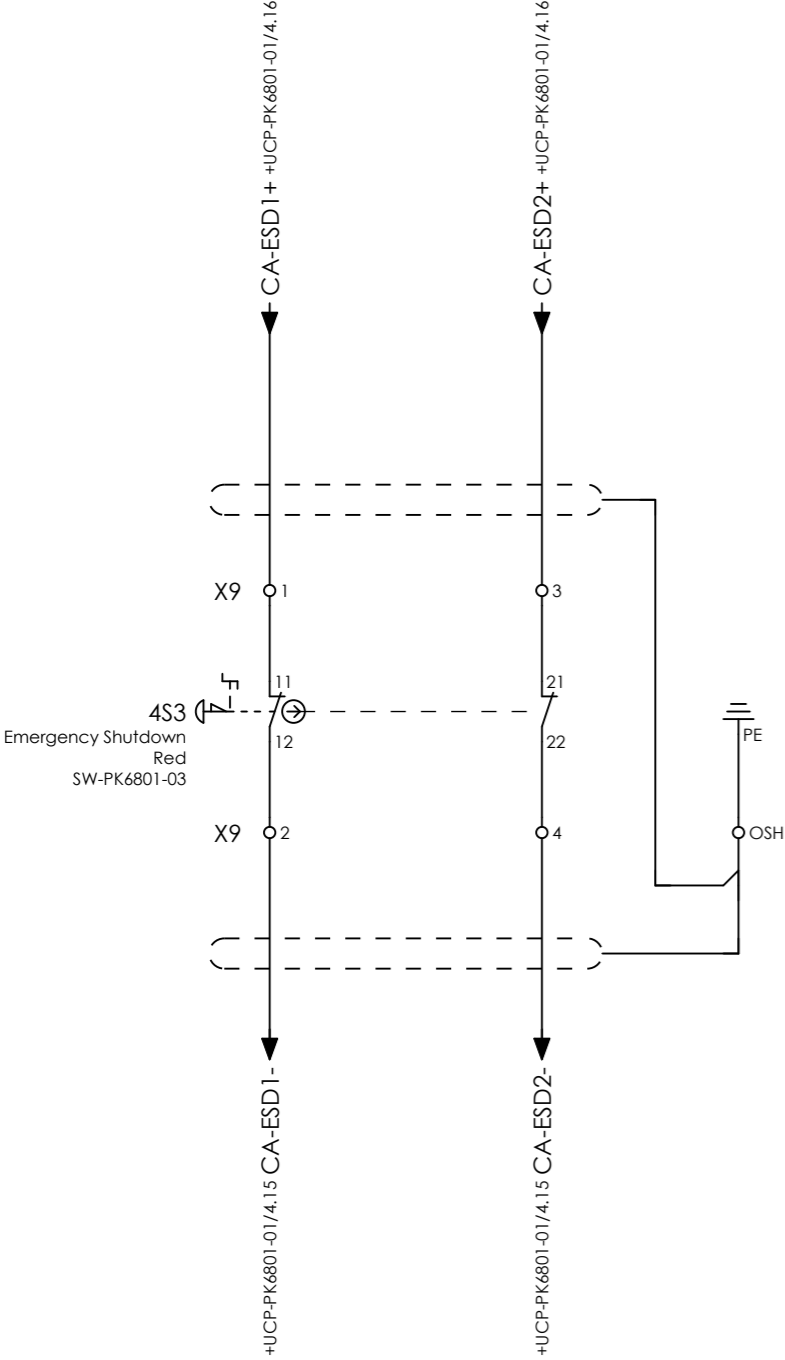
Compressor
Running
XA-PK6801-02

Compressor
Alarm
XA-PK6801-03


Compressor
Trip
XA-PK6801-04



CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT Local Signal Lights		DRAWN BY	RTR	= PK-6801
EQUIPMENT NO.	PK-6801			CHECKED BY	RBE	+ LCP-PK6801-01
EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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		CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01	
		AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	41	



Compressor
Emergency shutdown [LCP]
SW-PK6801-03

	CLIENT DWG NO.	L03-RE037-EL-DIG-001	SUBJECT		DRAWN BY	RTR	= PK-6801
	EQUIPMENT NO.	PK-6801	ESD		CHECKED BY	RBE	+ LCP-PK6801-01
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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			CLIENT REF.	ABT 360 KT/Y PP PLANT Project	REVISION	01	
			AIRPACK REF.	23249-05 Wiring Diagram	TOTAL PAGE AMOUNT	42	



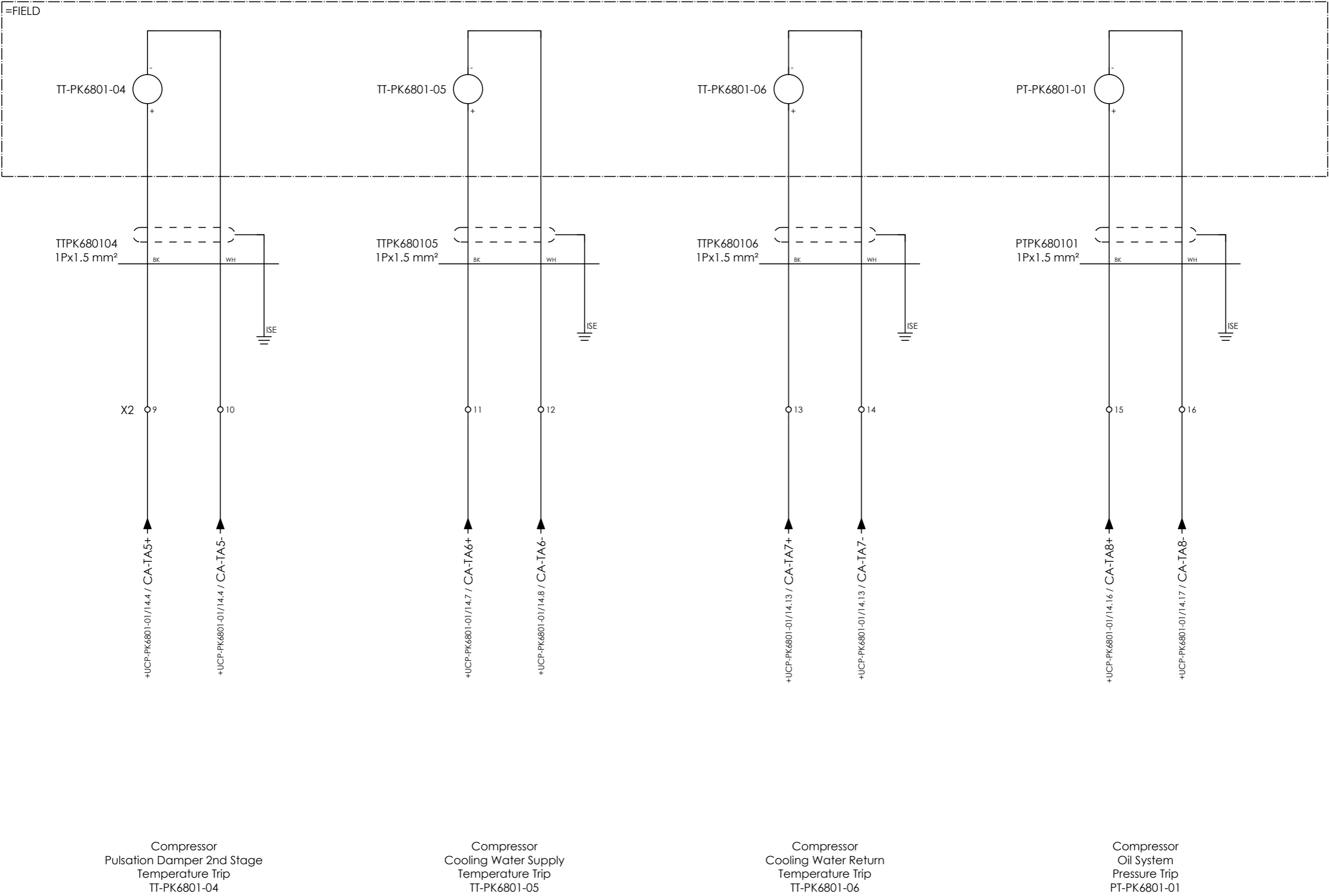
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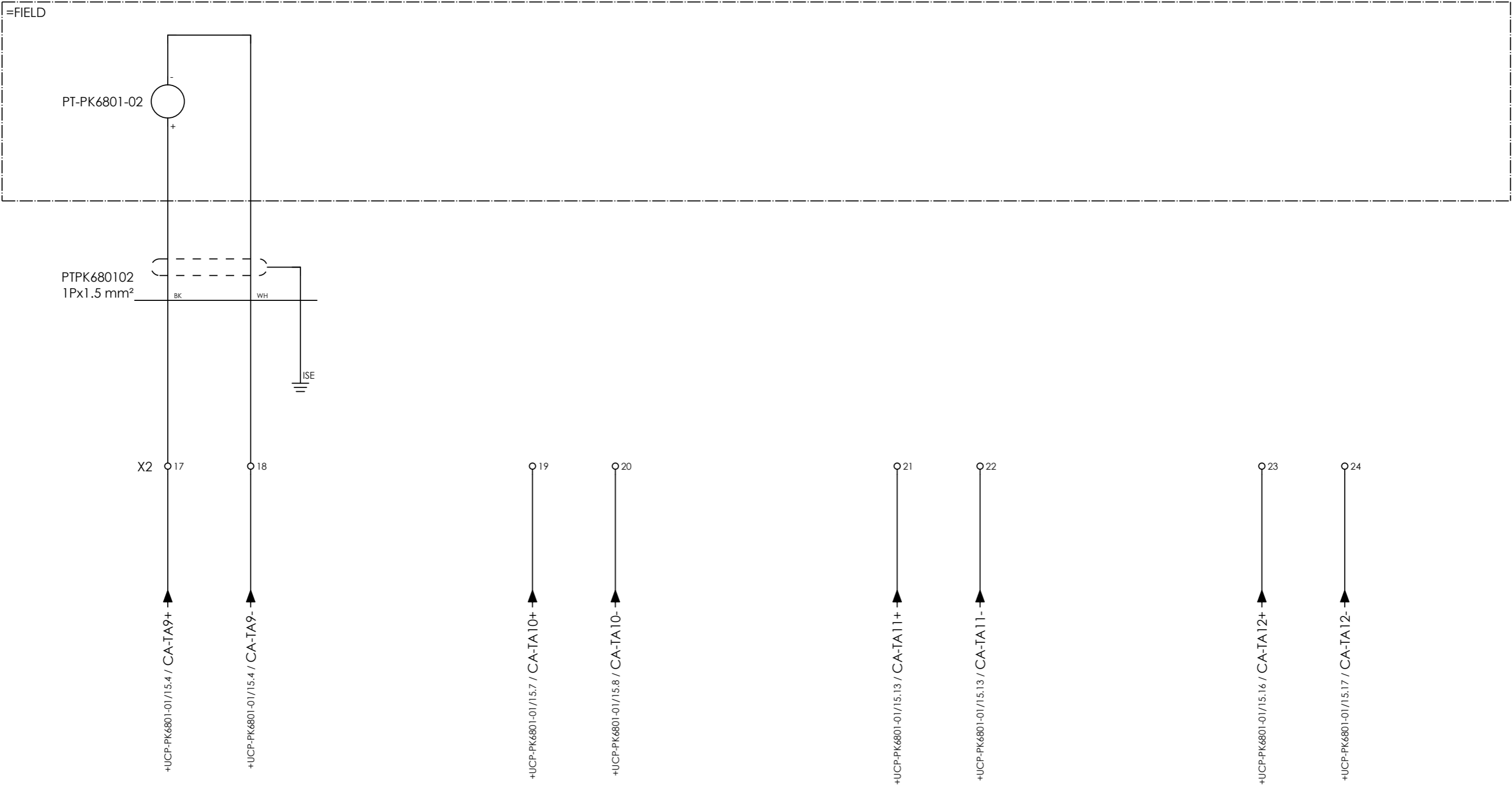
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TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS COMPRESSOR





Compressor
Outlet Pressure Alarm
PT-PK6801-02

Spare

Spare

Spare



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

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