



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

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

ITEM NO. :

TOTAL PAGES : 54

- **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.
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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				

PAGE NO.		CHANGE INDEX DURING FORMAL ISSUE						REASON OF LATEST CHANGE
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		REV.00	REV.01	REV.02	REV.03	REV.04	REV.05	
1		X	X					
2		X	X					
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54		X	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

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.

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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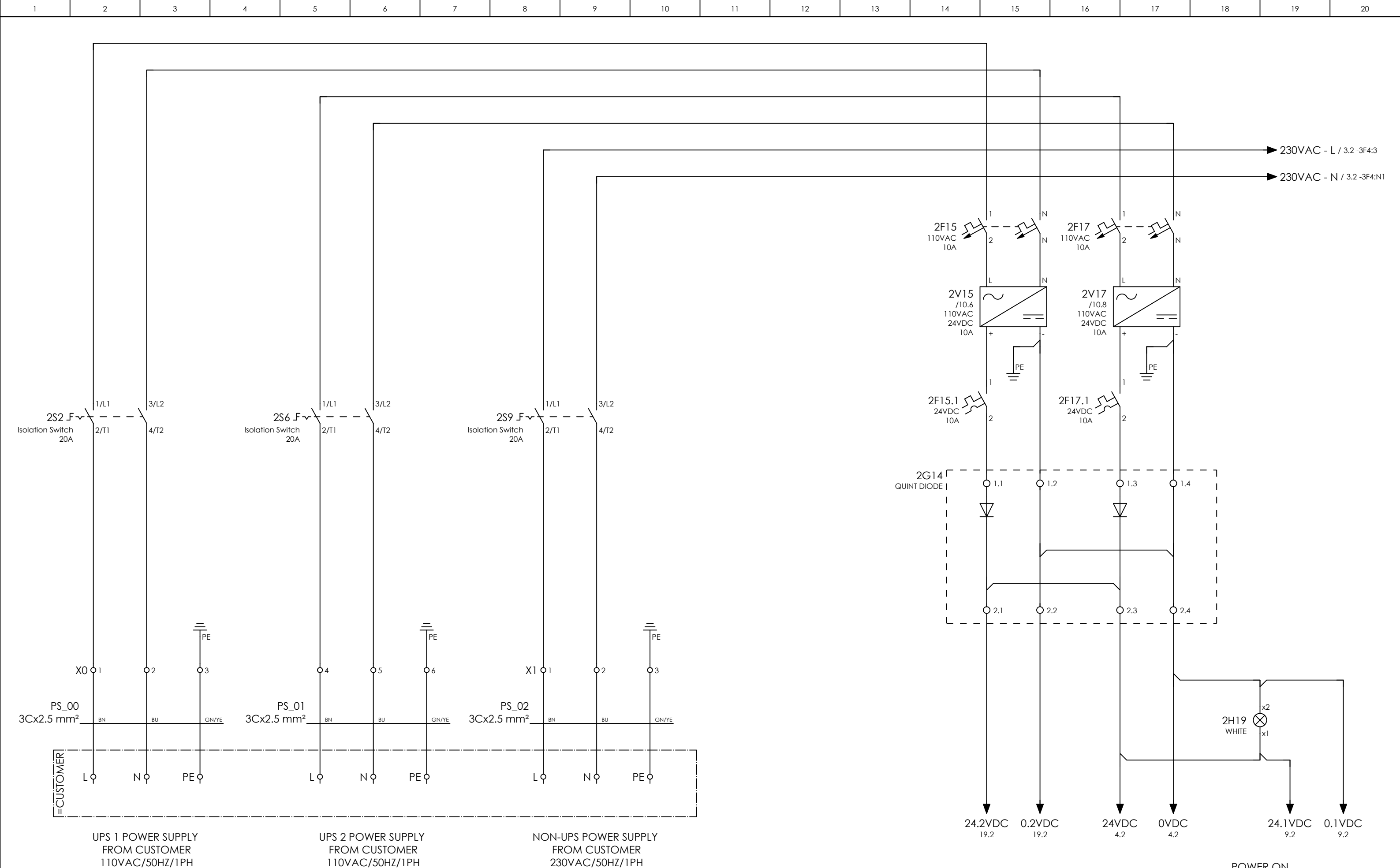
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/2	Project description	2	4/2/2025	rtriegaardt
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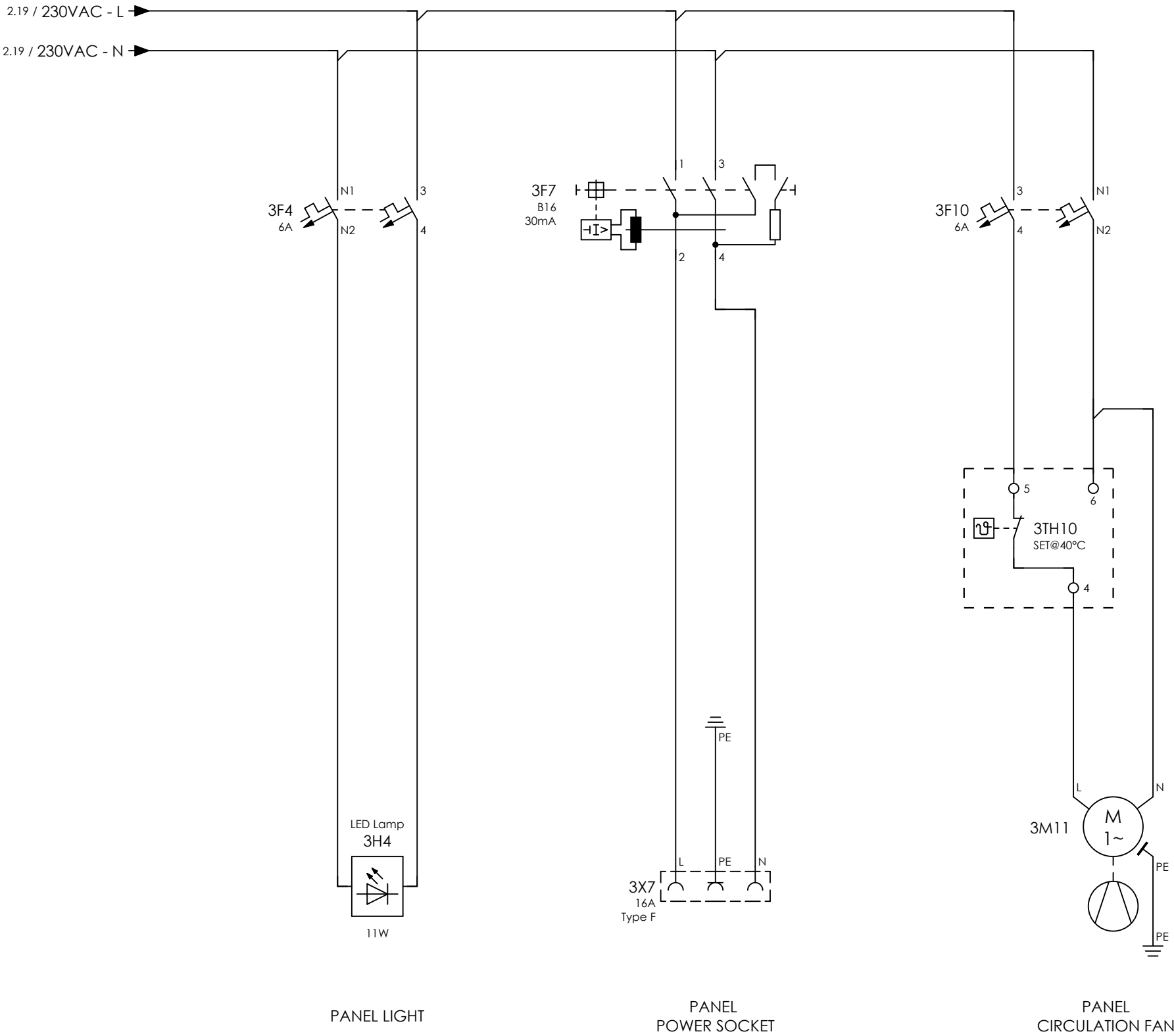
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		AIRPACK REF.	23249-05 Wiring Diagram		TOTAL PAGE AMOUNT	4	

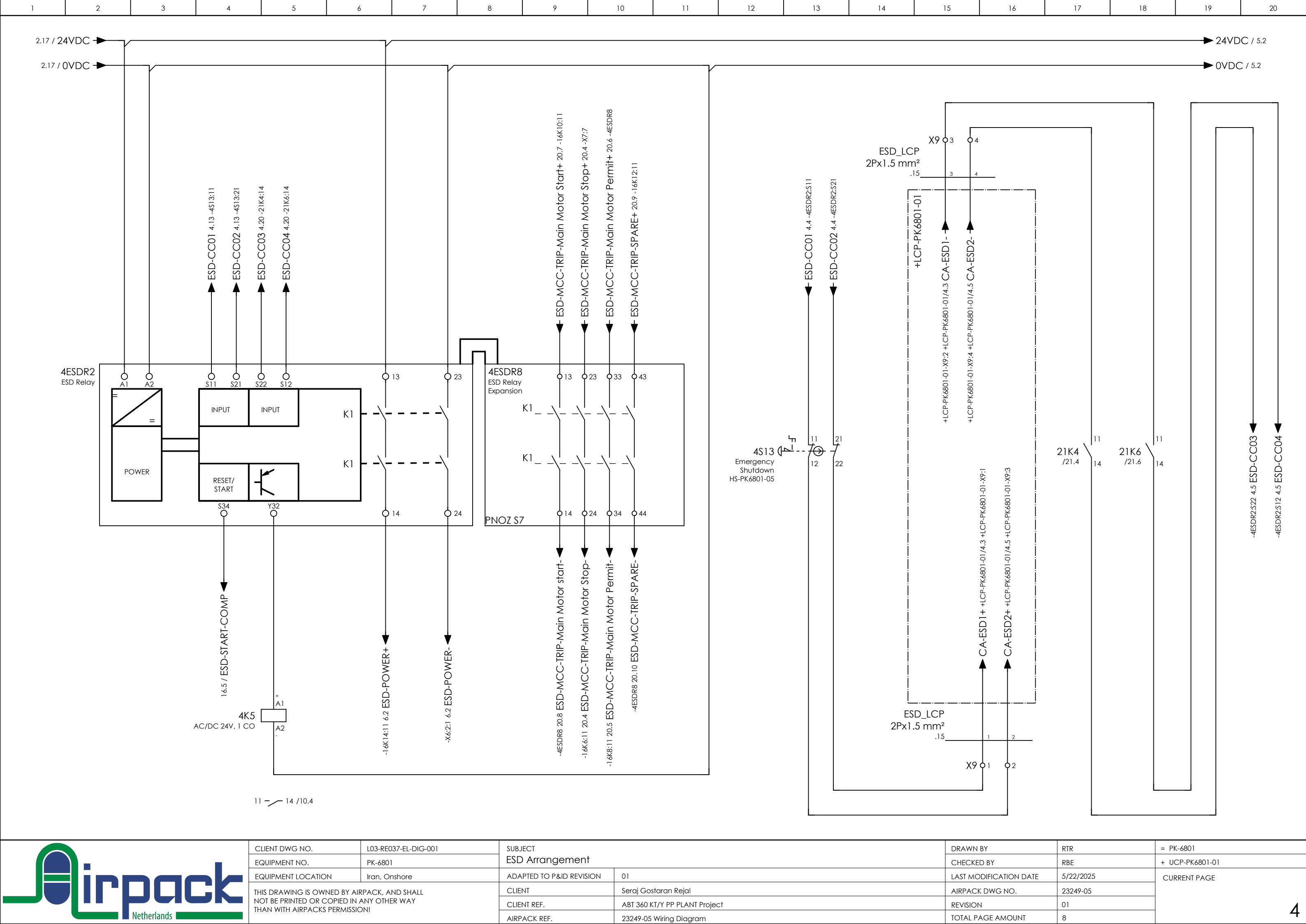
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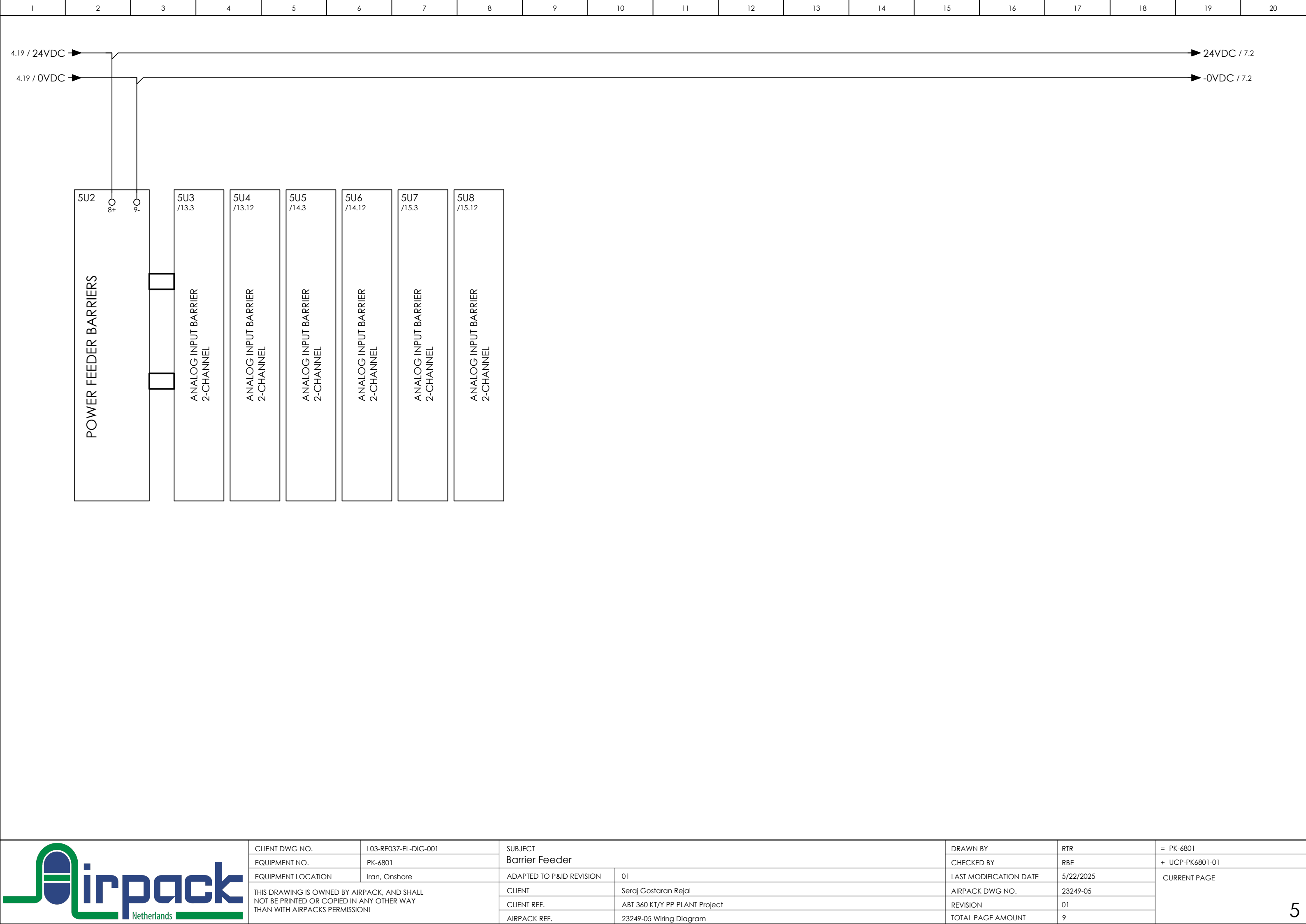
TERMINAL STRIP DEFINITION

- 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









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Netherlands

CLIENT DWG NO.

EQUIPMENT NO.

EQUIPMENT LOCATION

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L03-RE037-EL-DIG-001

PK-6801

Iran, Onshore

SUBJECT

Barrier Feeder

ADAPTED TO P&ID REVISION

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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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23249-05

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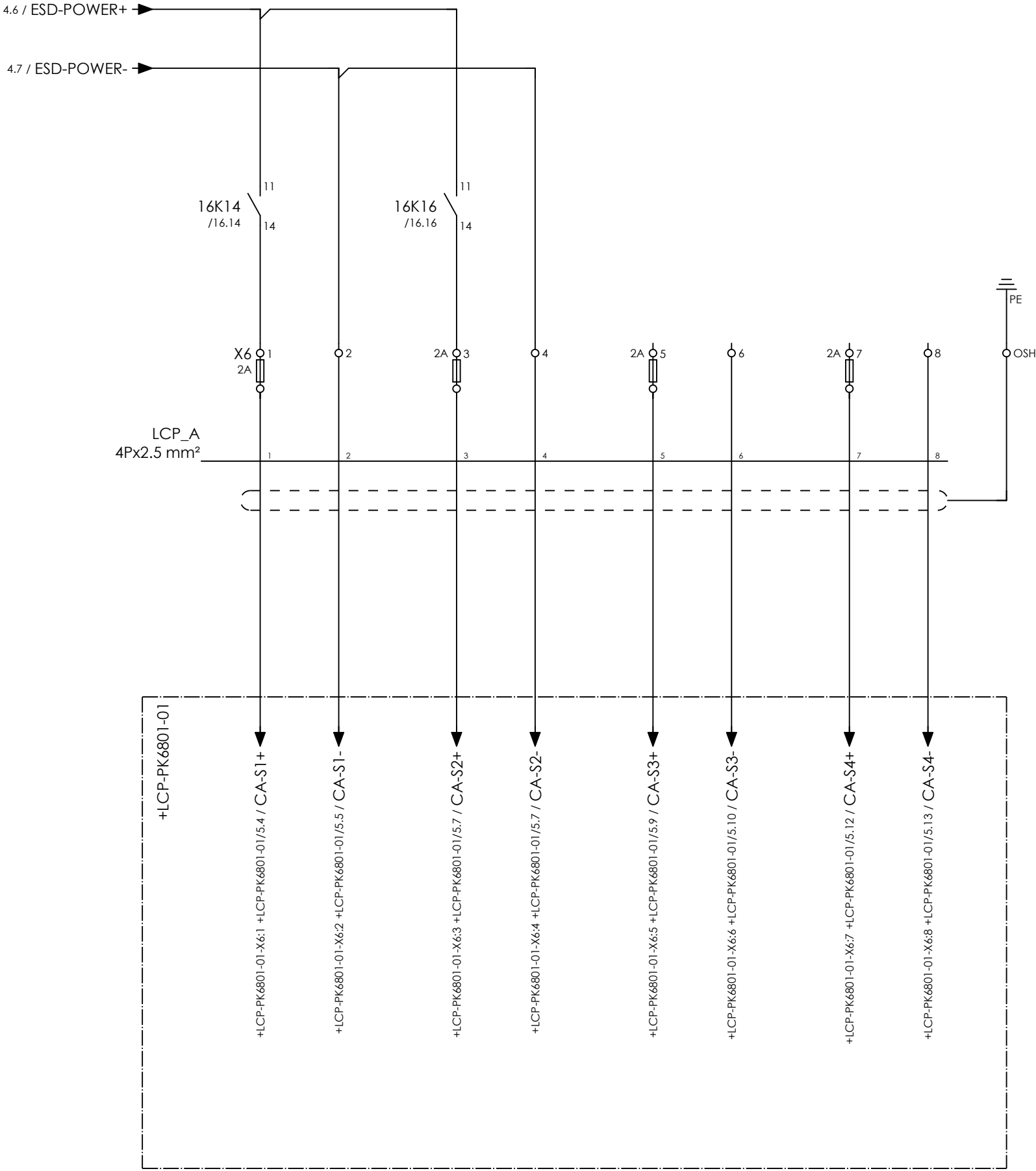
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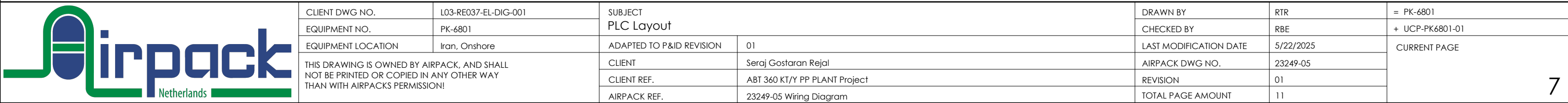
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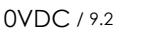
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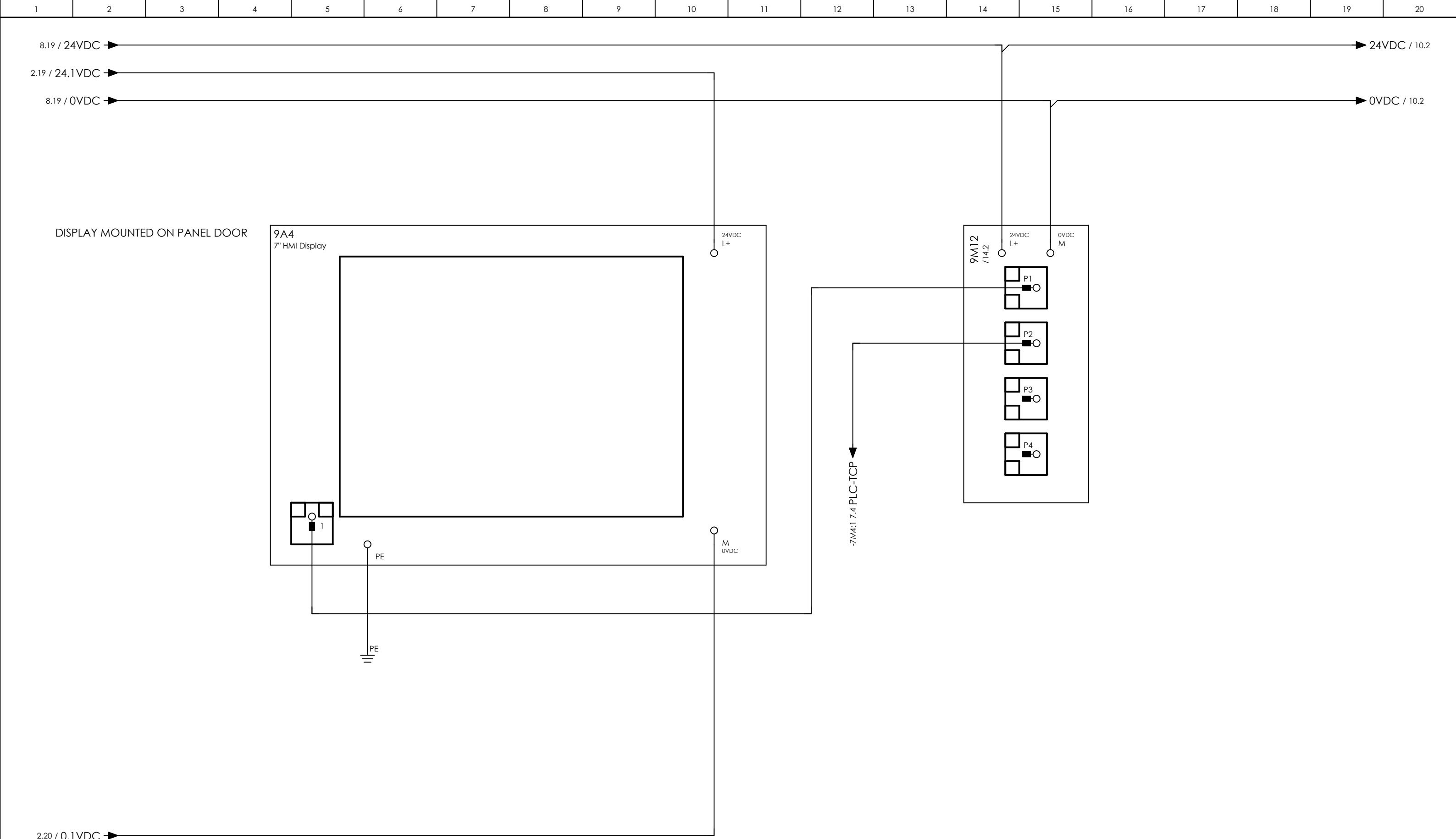
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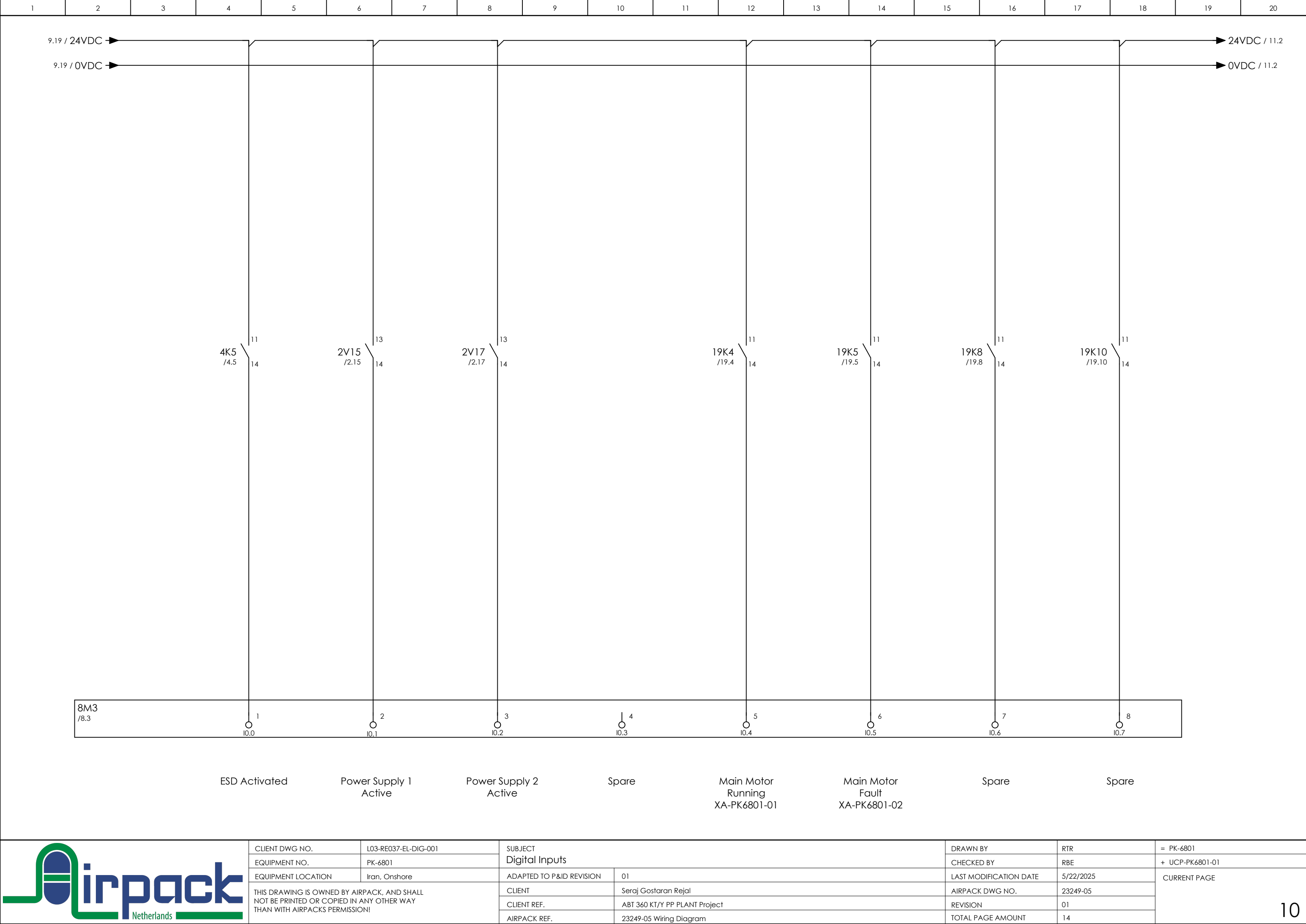
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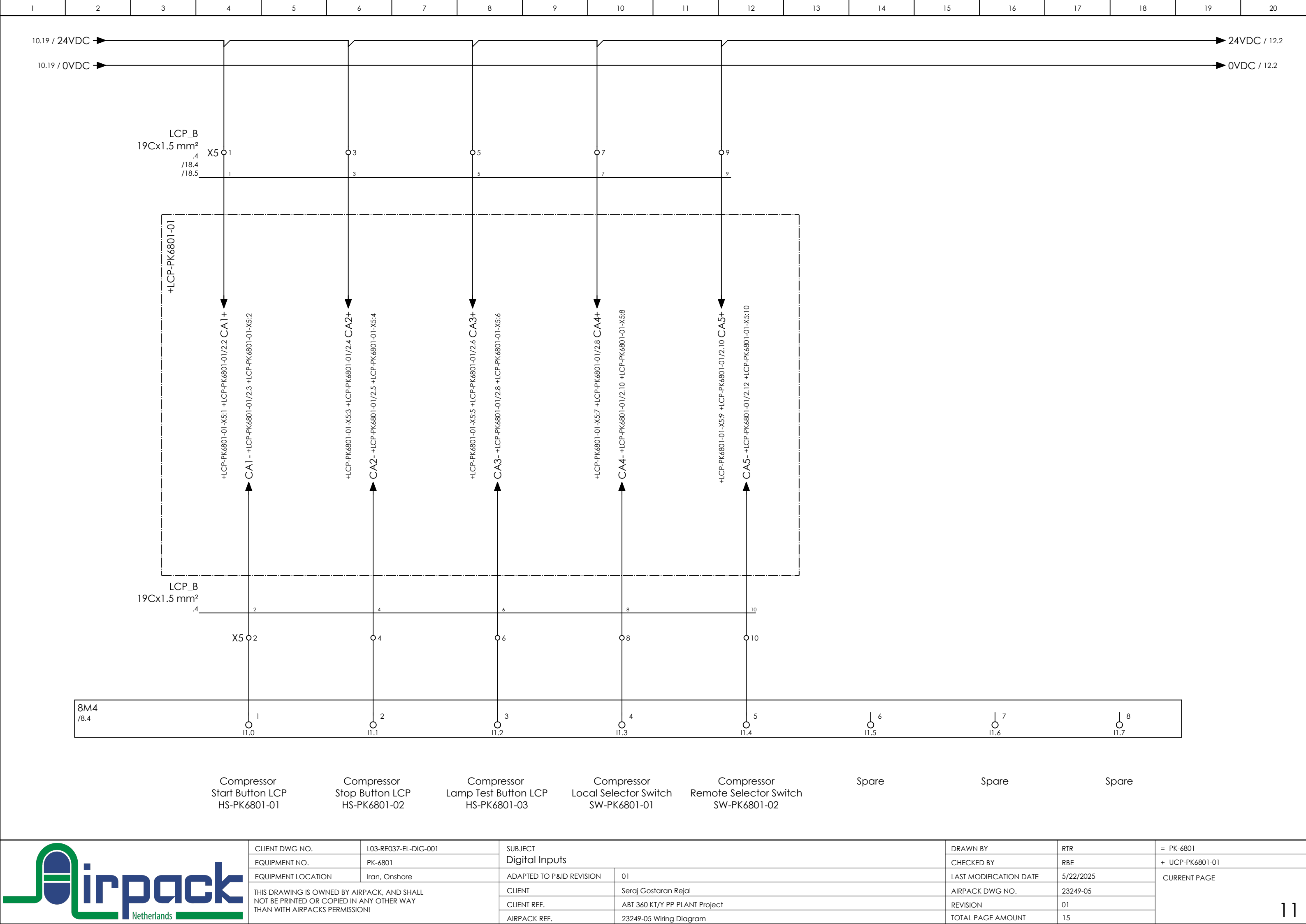


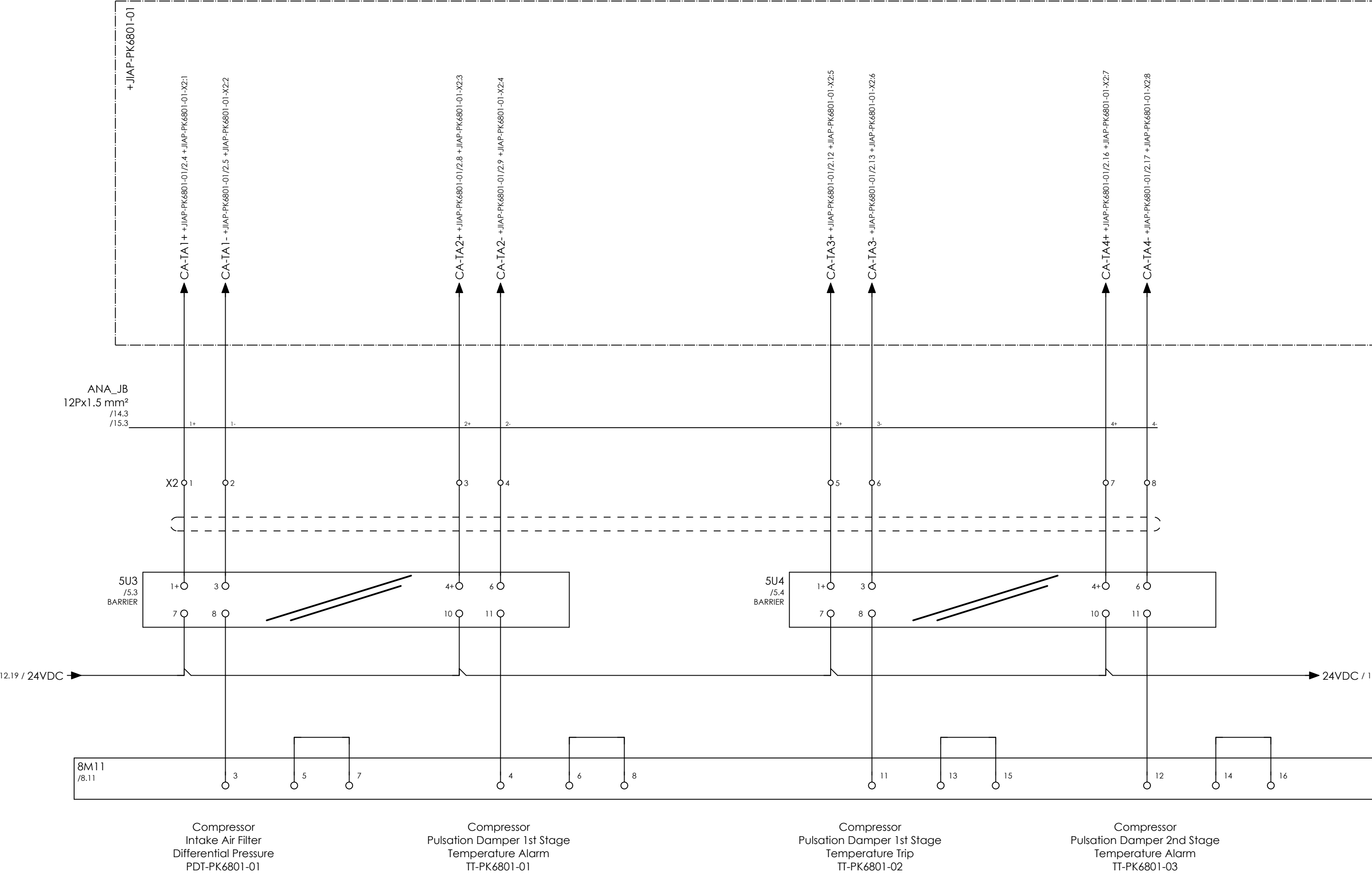


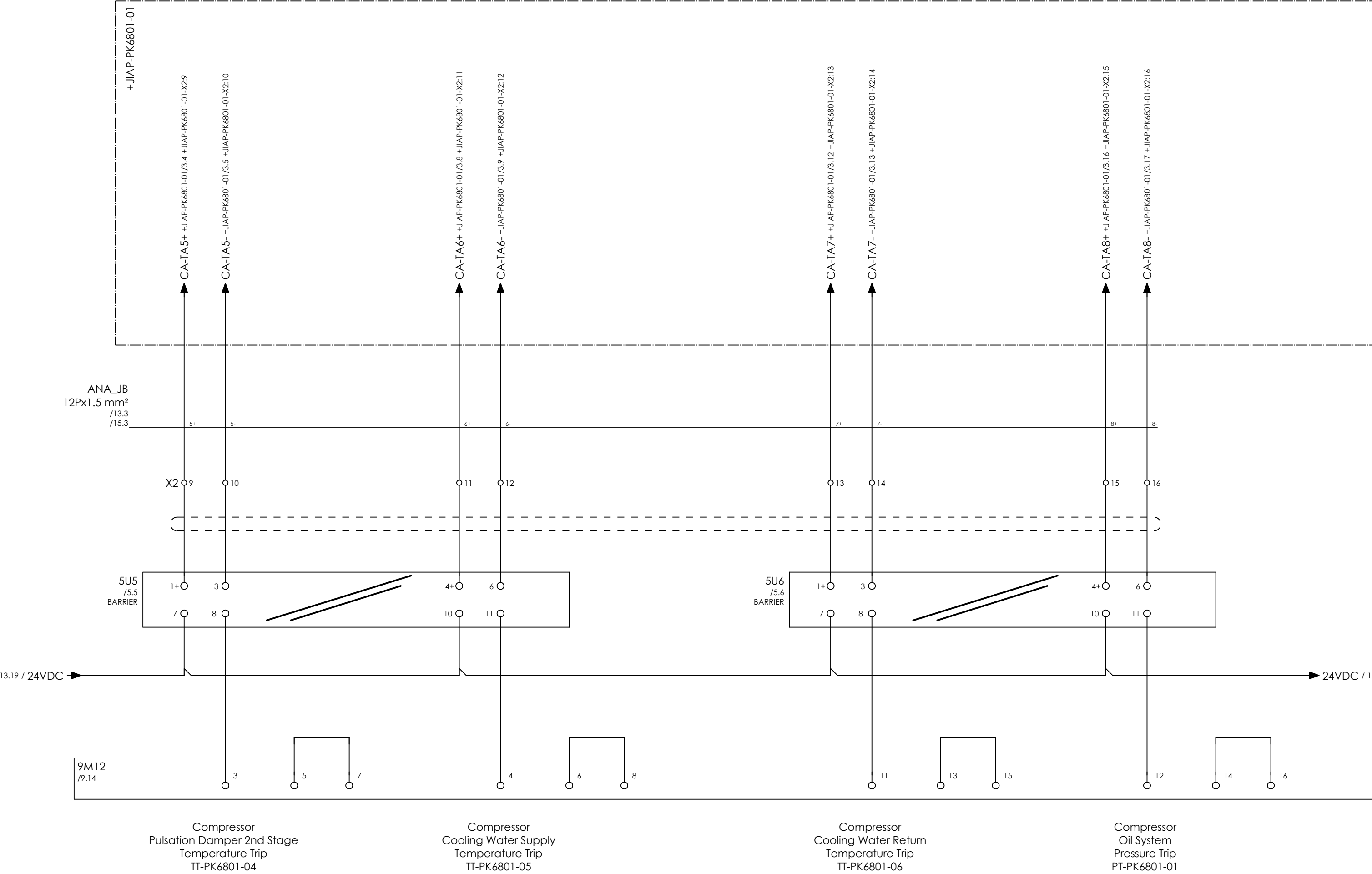


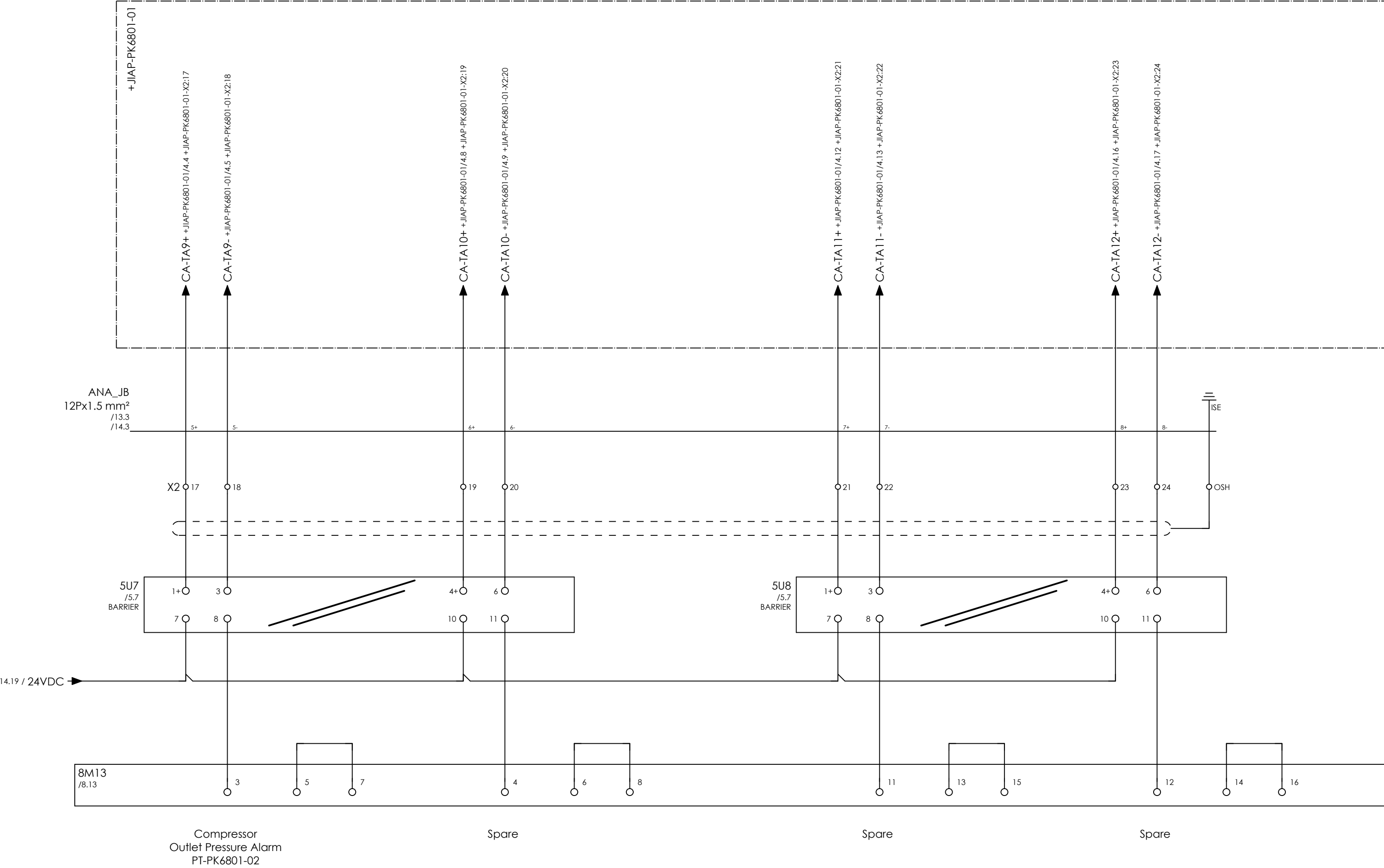




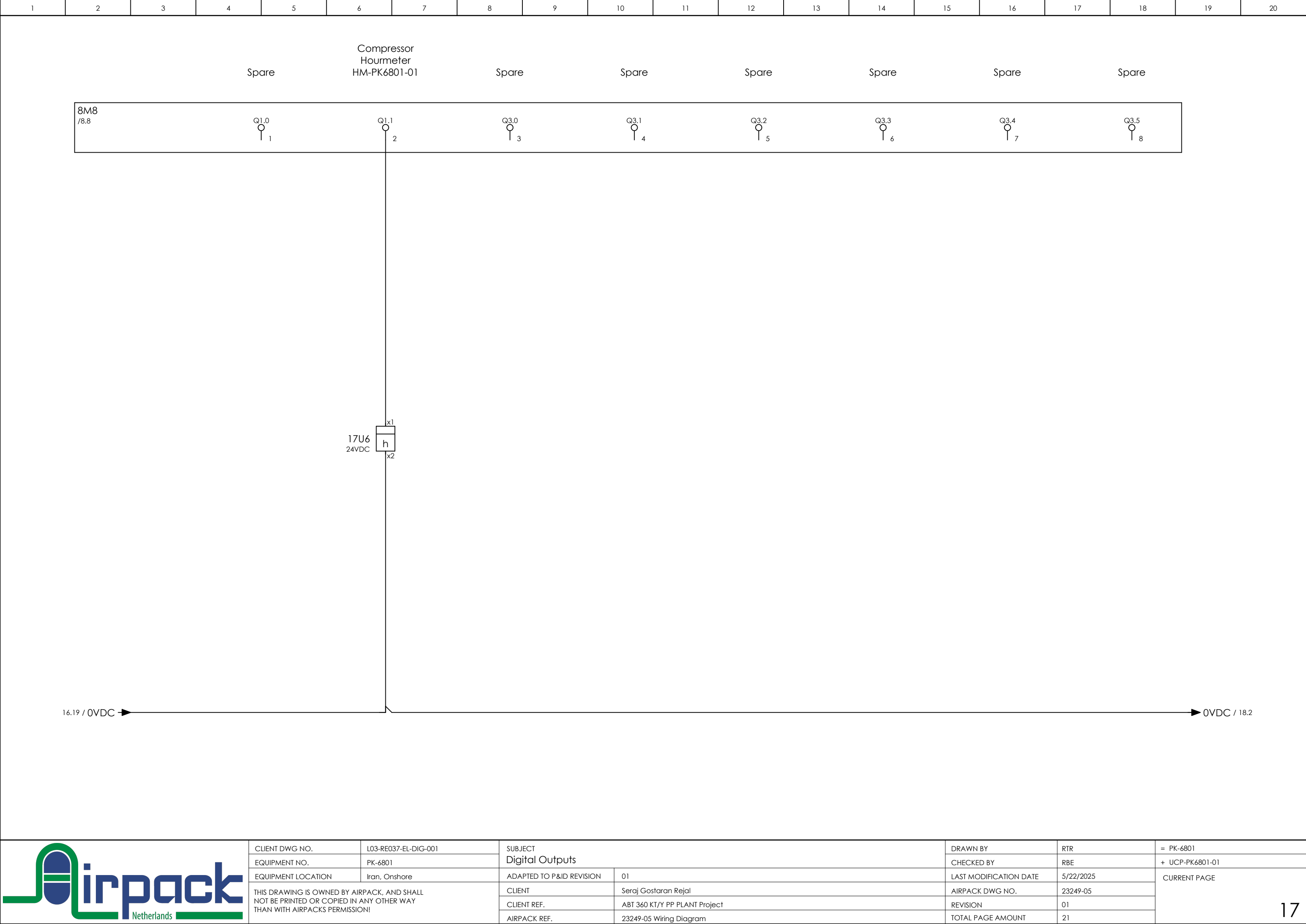


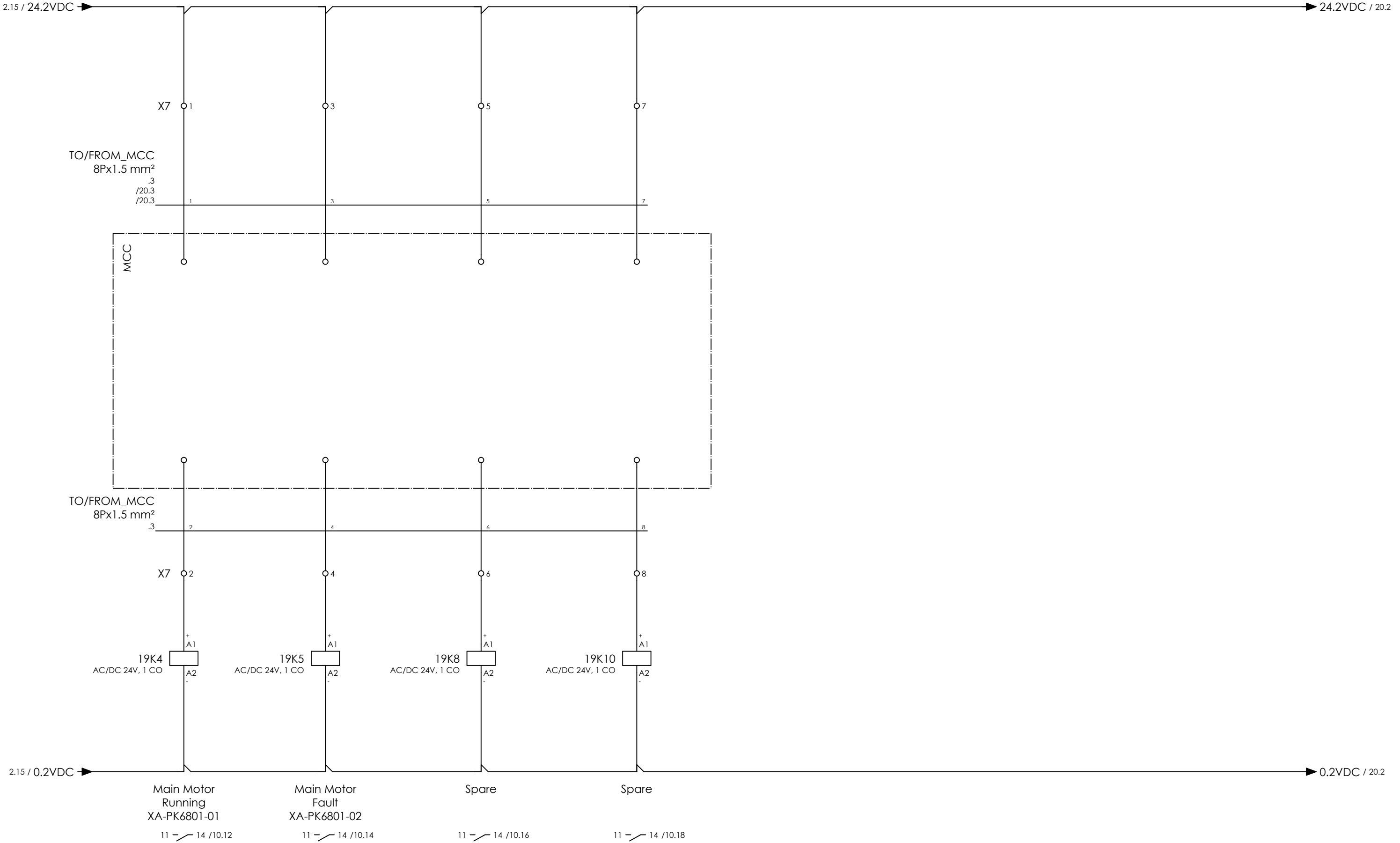


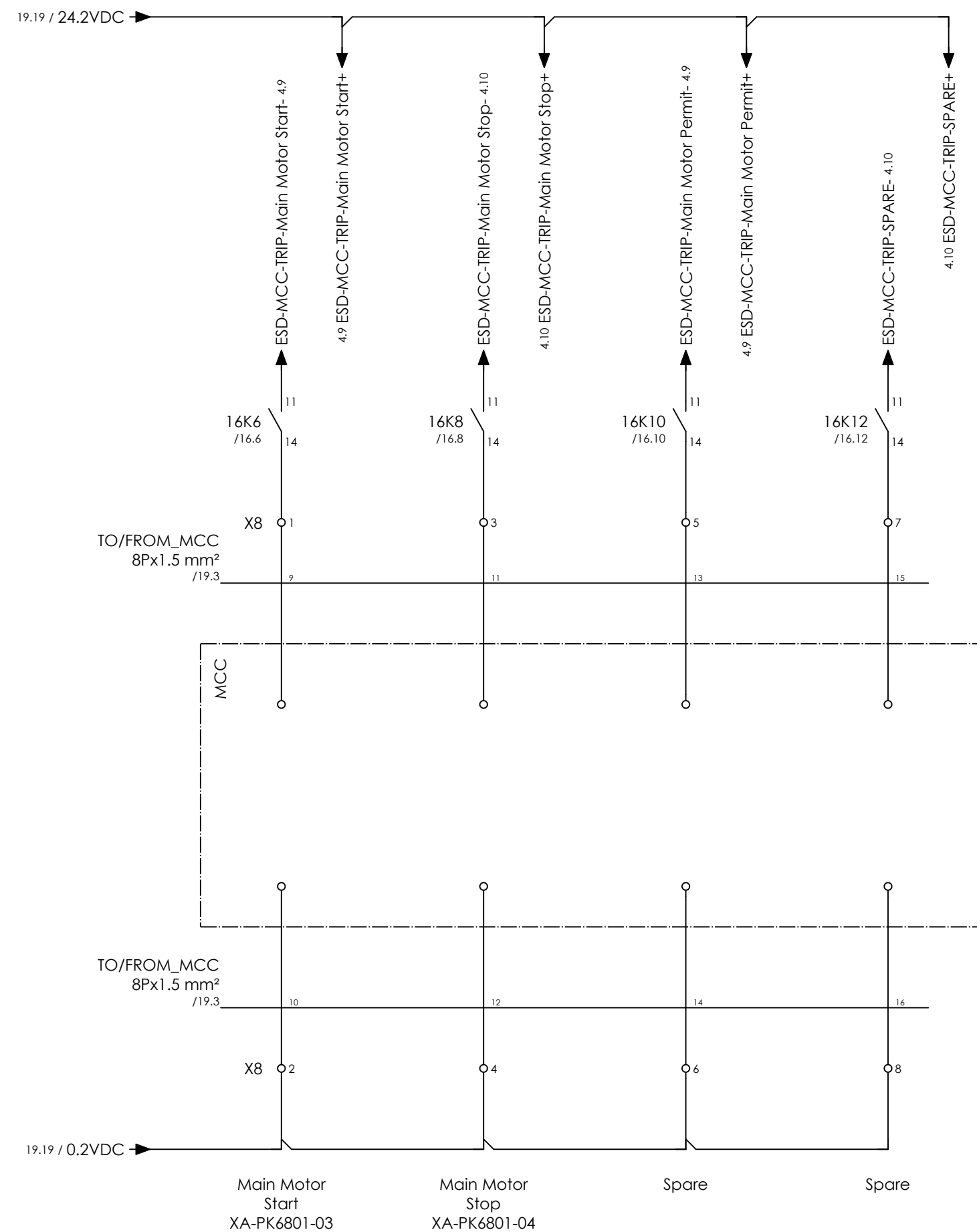


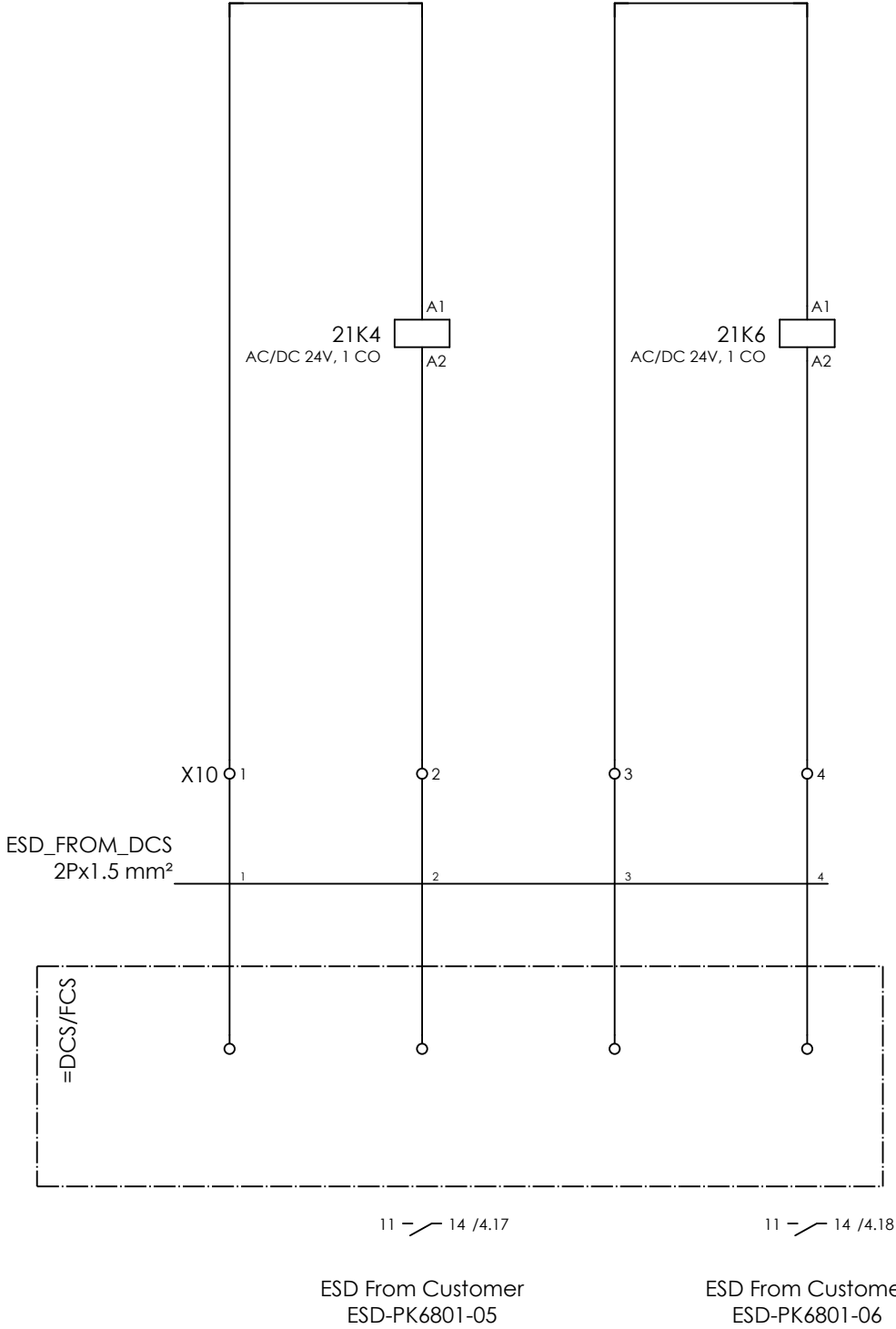


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	EQUIPMENT NO.	PK-6801			CHECKED BY	RBE	+ UCP-PK6801-01
	EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE	5/22/2025	CURRENT PAGE
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			CLIENT REF.	ABT 360 KT/Y PP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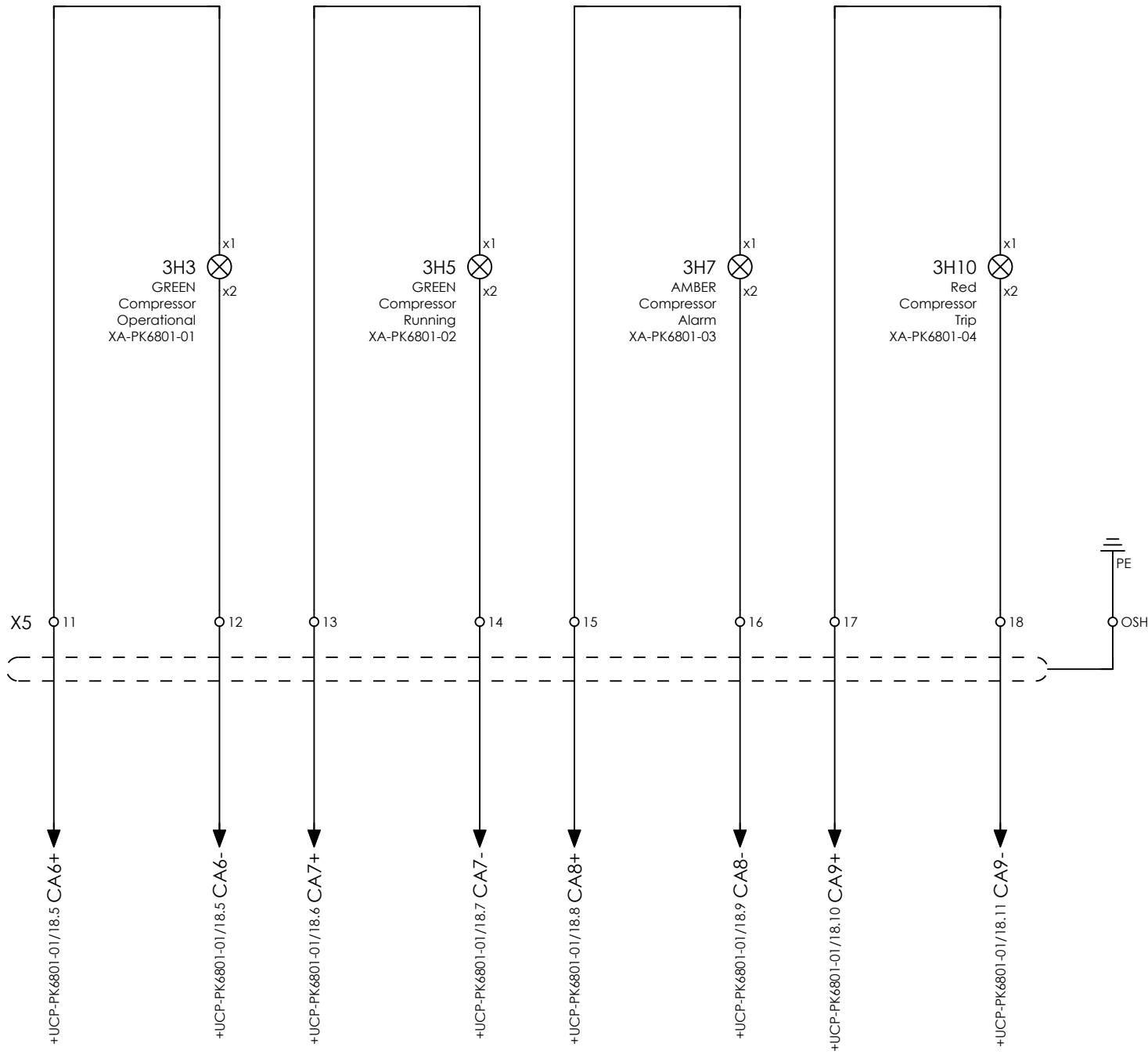
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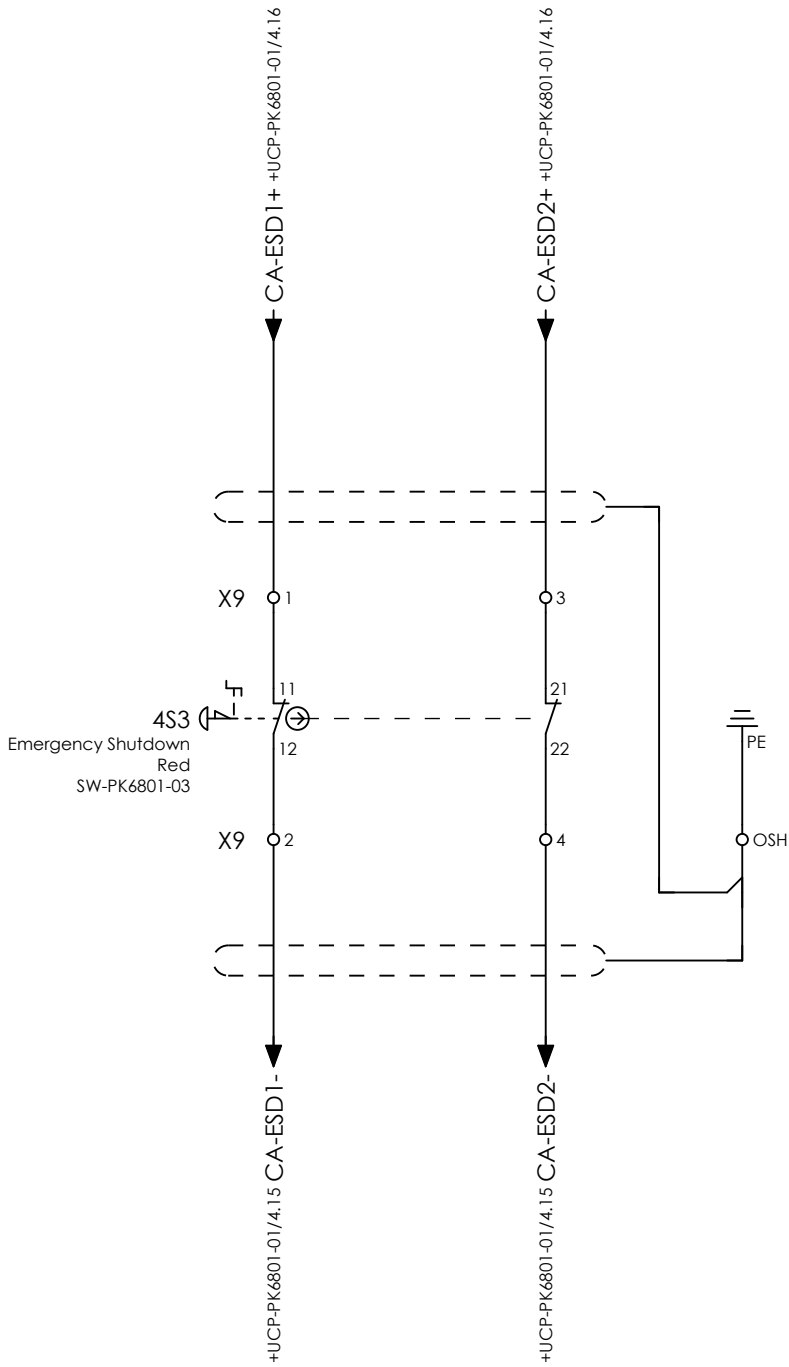


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Operational
XA-PK6801-01

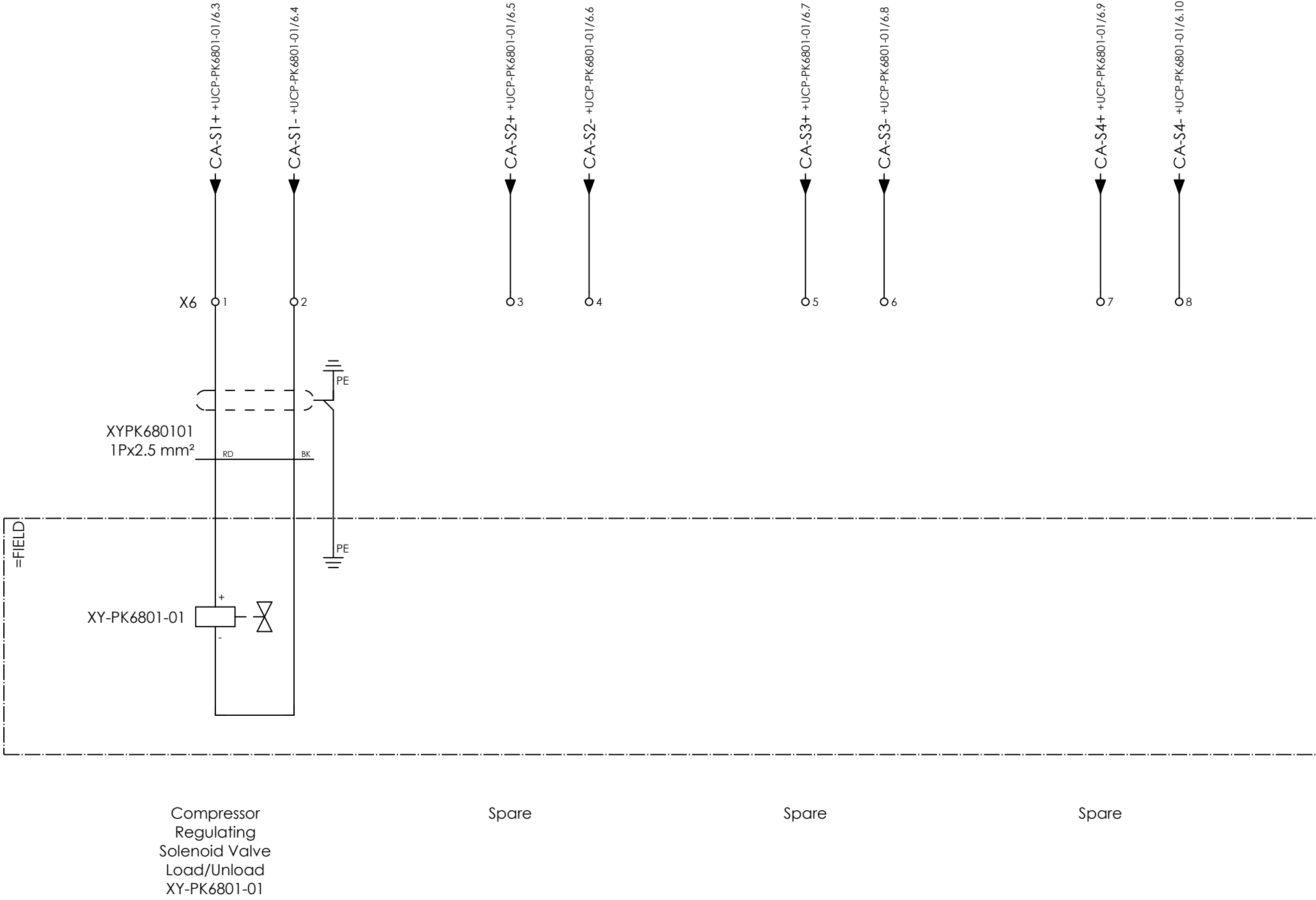
Compressor
Running
XA-PK6801-02

Compressor
Alarm
XA-PK6801-03

Compressor
Trip
XA-PK6801-04



Compressor
Emergency shutdown [LCP]
SW-PK6801-03



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EQUIPMENT NO.	PK-6801
EQUIPMENT LOCATION	Iran, Onshore

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SUBJECT	
Terminal diagram =PK-6801+LCP-PK6801-01-X5	
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

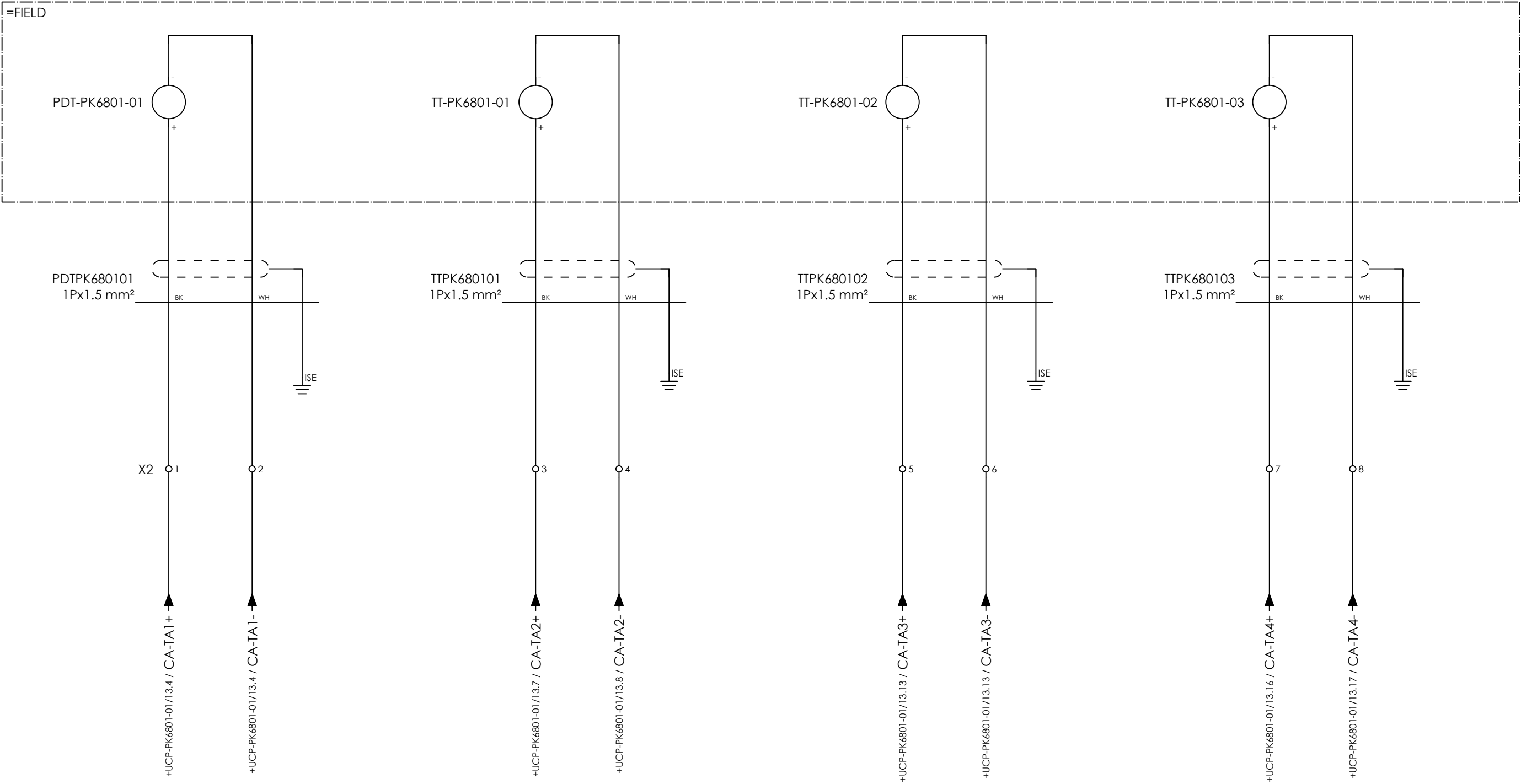
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TERMINAL STRIP DEFINITION

X2 = CONNECTION TRANSMITTERS COMPRESSOR

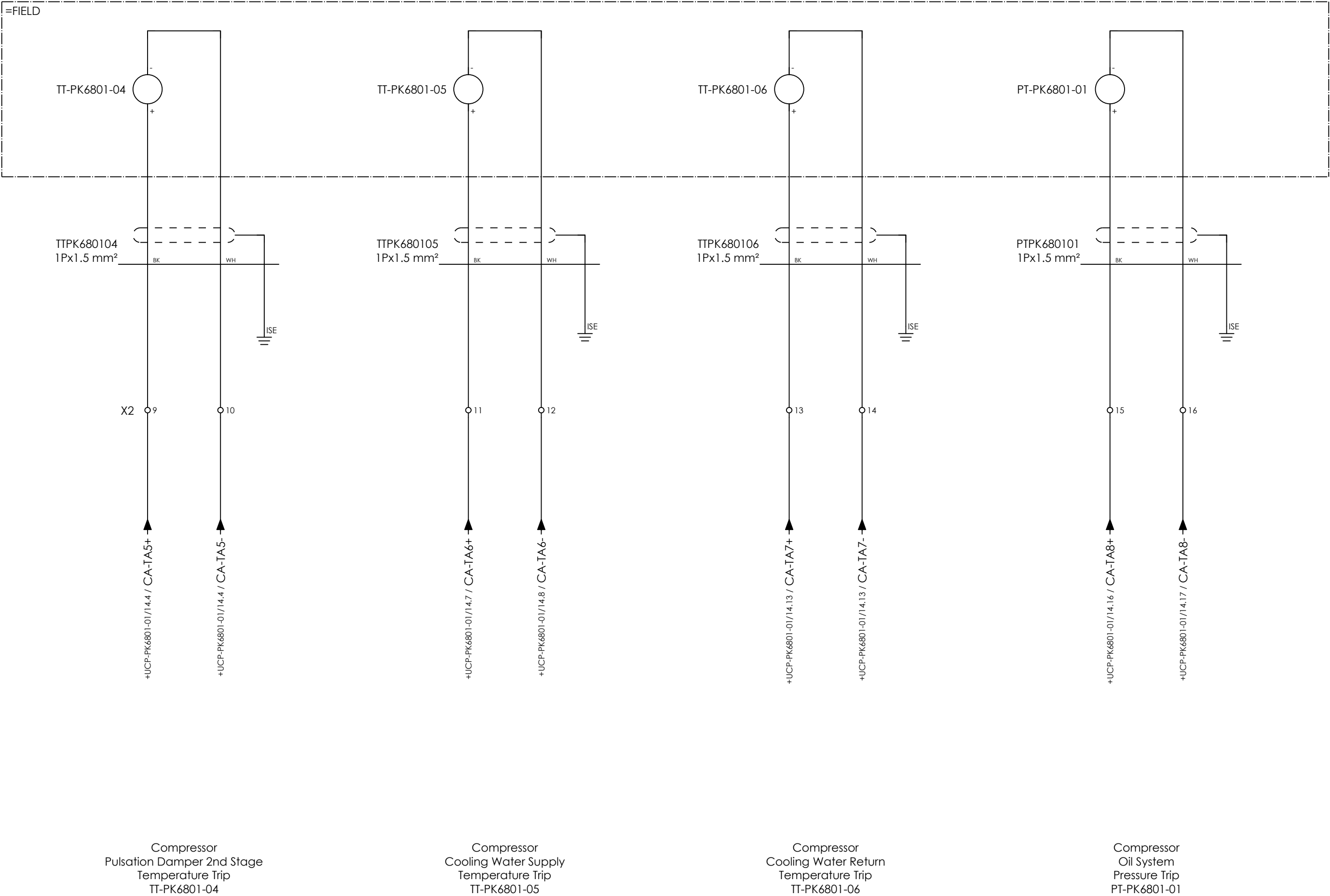


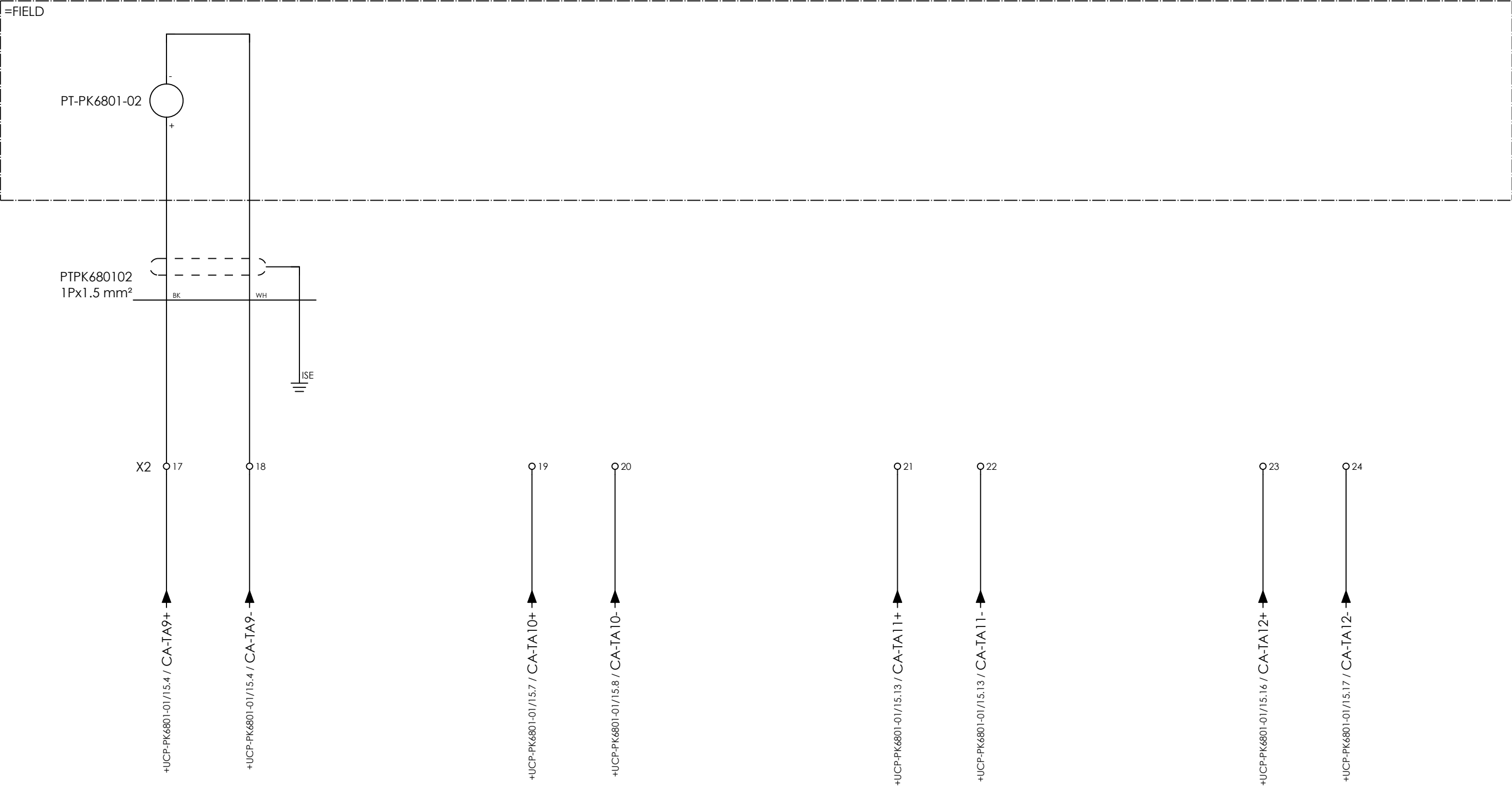
Compressor
Intake Air Filter
Differential Pressure
PDT-PK6801-01

Compressor
Pulsation Damper 1st Stage
Temperature Alarm
TT-PK6801-01

Compressor
Pulsation Damper 1st Stage
Temperature Trip
TT-PK6801-02

Compressor
Pulsation Damper 2nd Stage
Temperature Alarm
TT-PK6801-03





Compressor
Outlet Pressure Alarm
PT-PK6801-02

Spare

Spare

Spare

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