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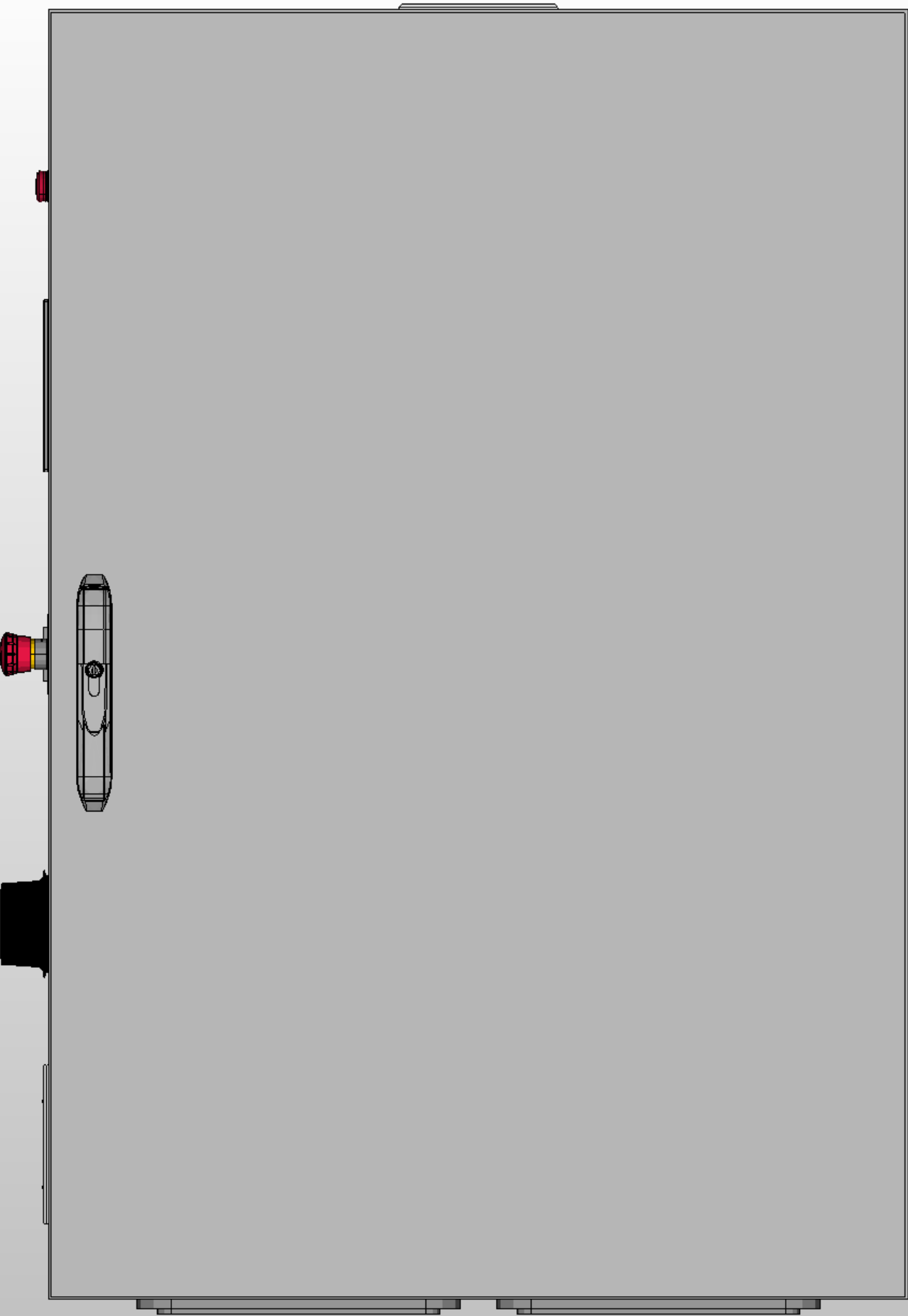
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91	terminal digram	Terminal diagram			HosseinAli Khoshayand	

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Company / customer Company / customer address Project description CommissionIEC Project nameWMPT Project templateIEC_tpl001.ept Number of pages93 Dimensions of enclosureW : 800 mm H : 1200 mm D : 400 mm Input voltage230V Frequency50 Hz Control voltage24V Power supply24V Location Place of installation									
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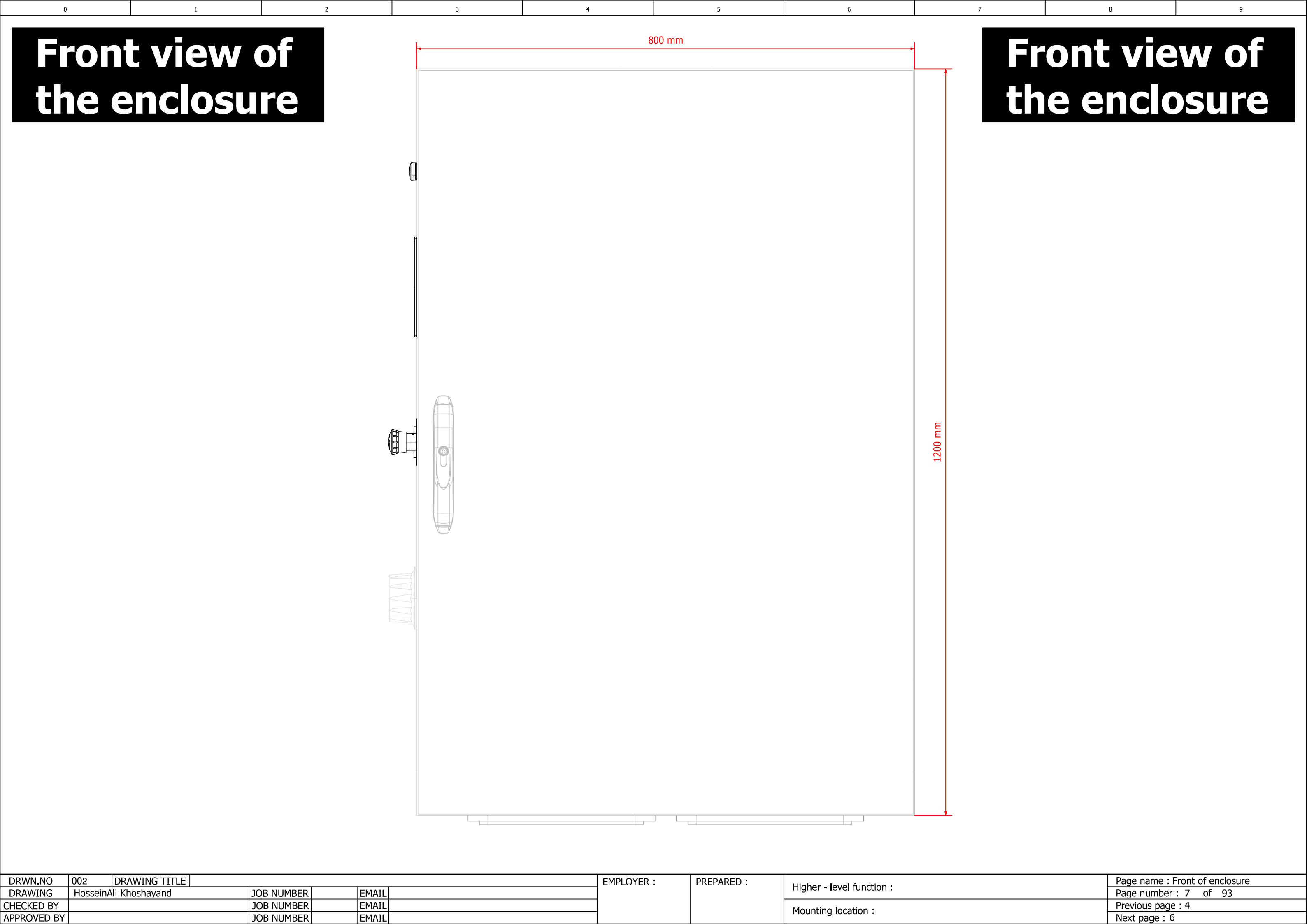
ENCLOSURE

PANEL LAYOUT

Front view of
the enclosure

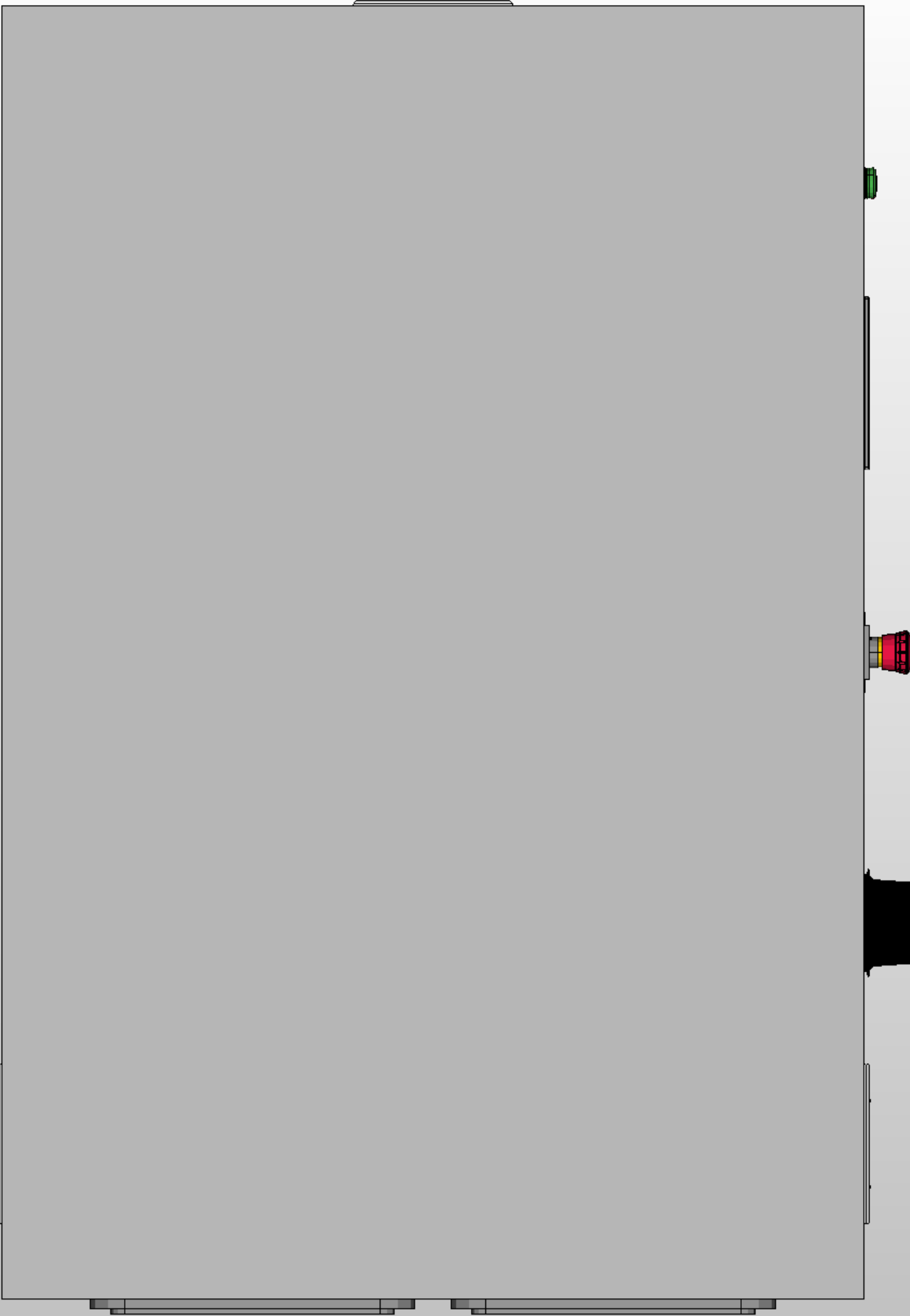


Front view of
the enclosure

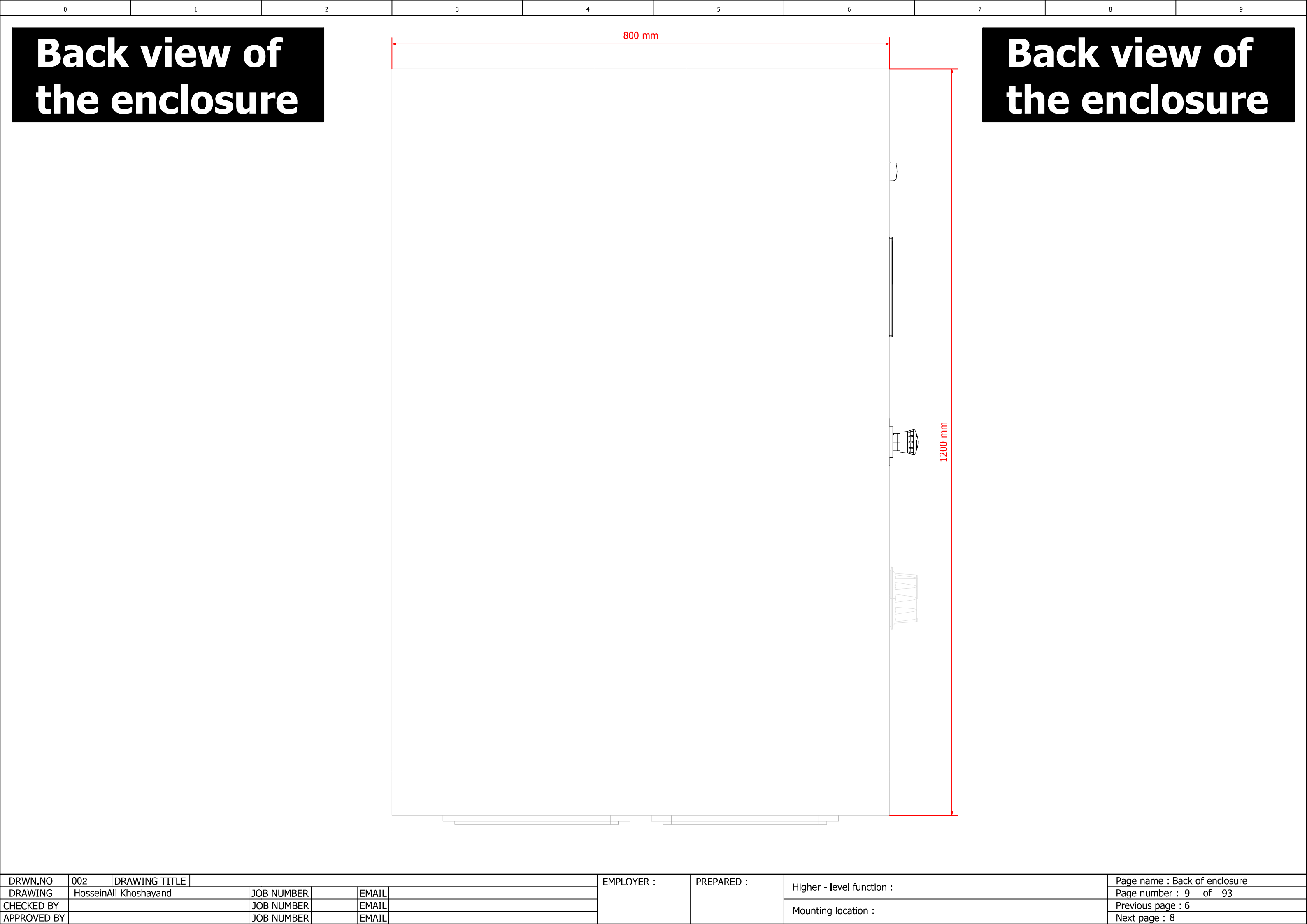


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Back view of
the enclosure

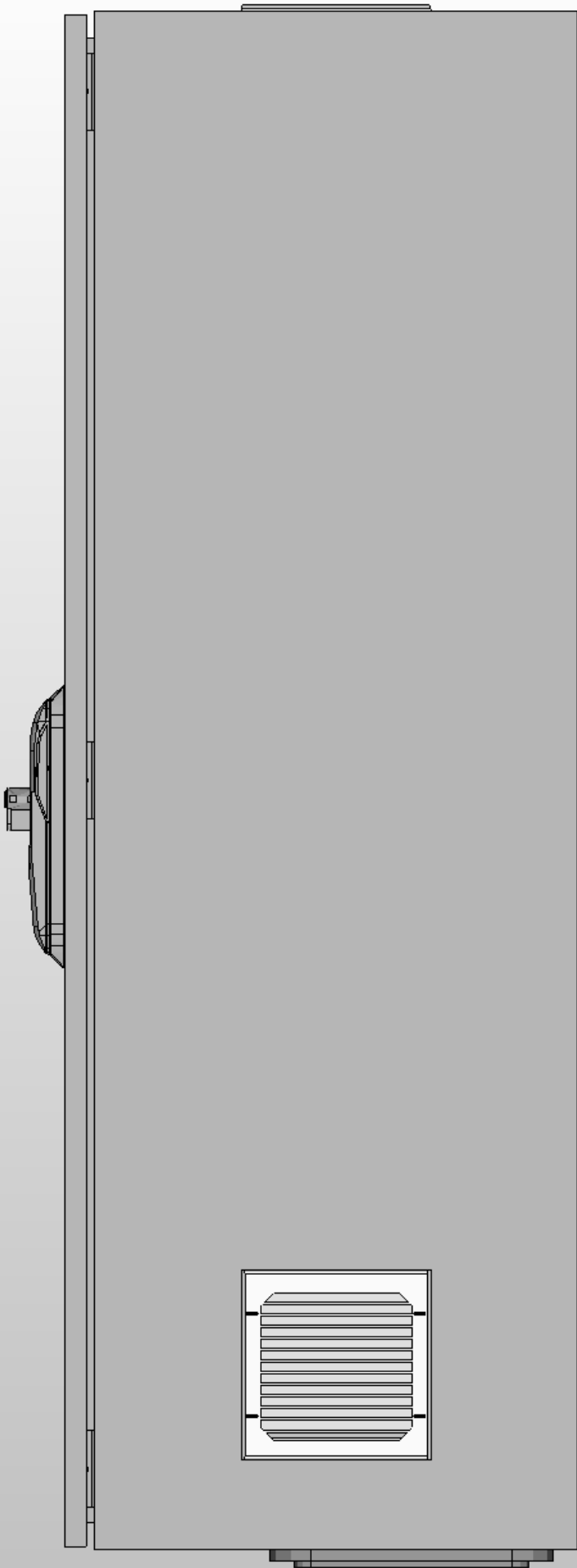


Back view of
the enclosure



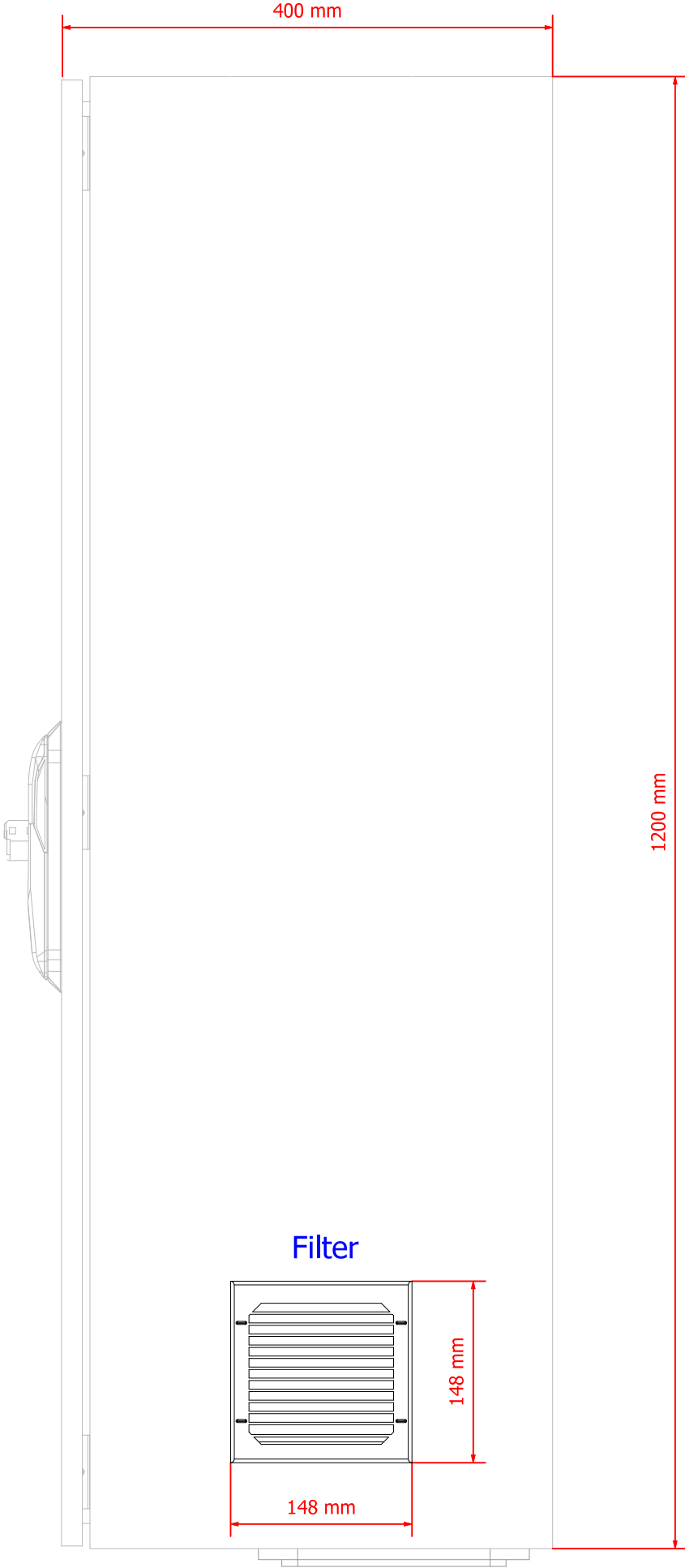
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Right view of
the enclosure



Right view of
the enclosure

Right view of
the enclosure



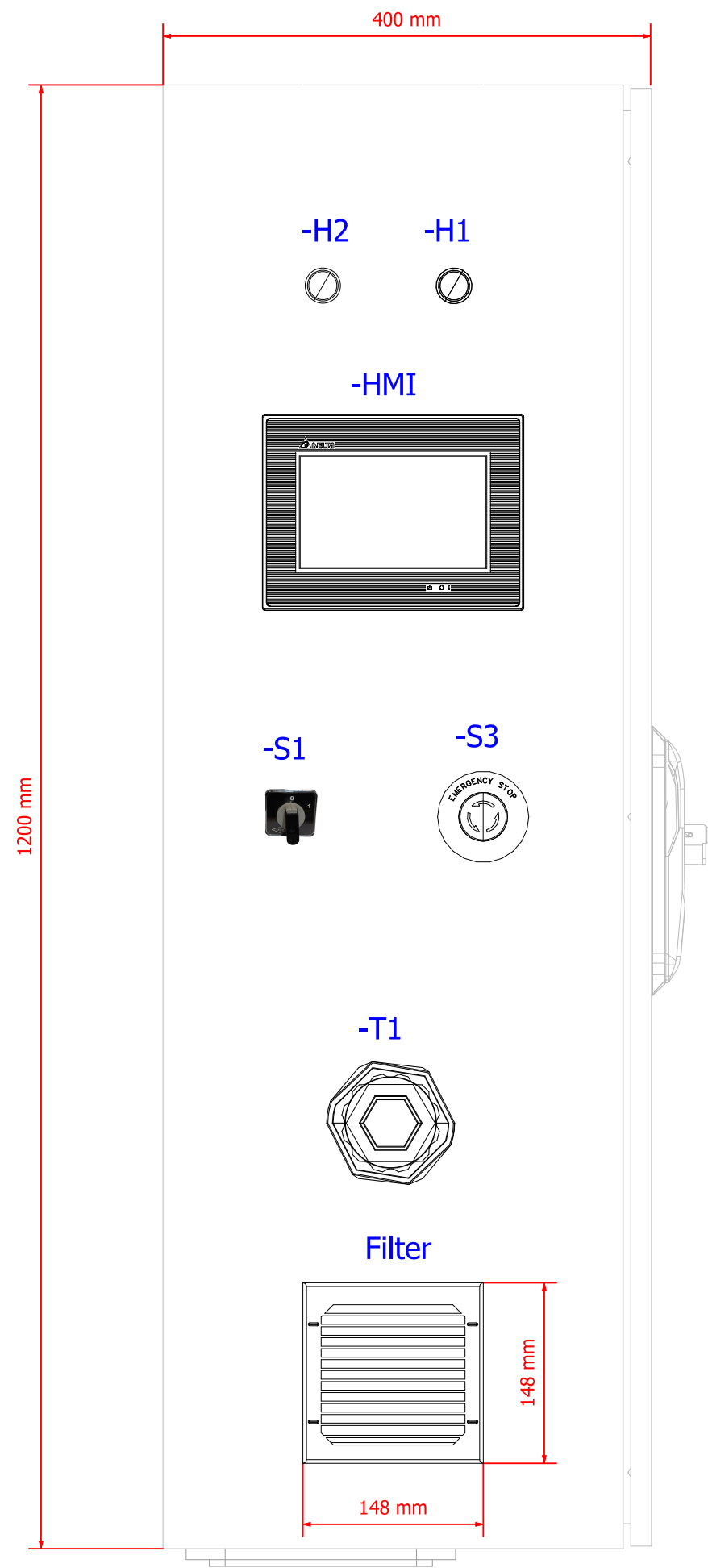
Right view of
the enclosure

Left view of
the enclosure



Left view of
the enclosure

Left view of the enclosure

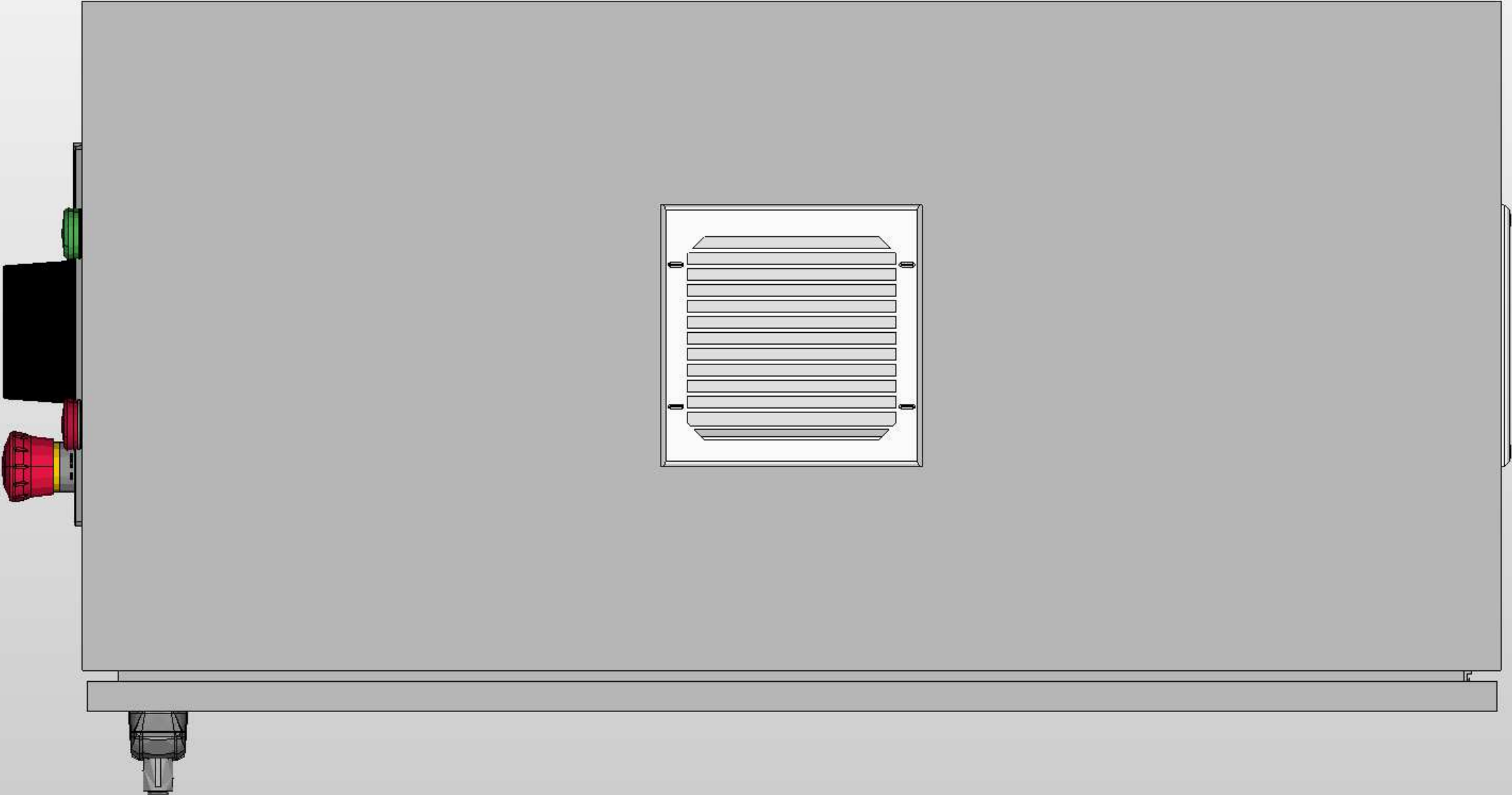


Left view of the enclosure

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Top view of the enclosure

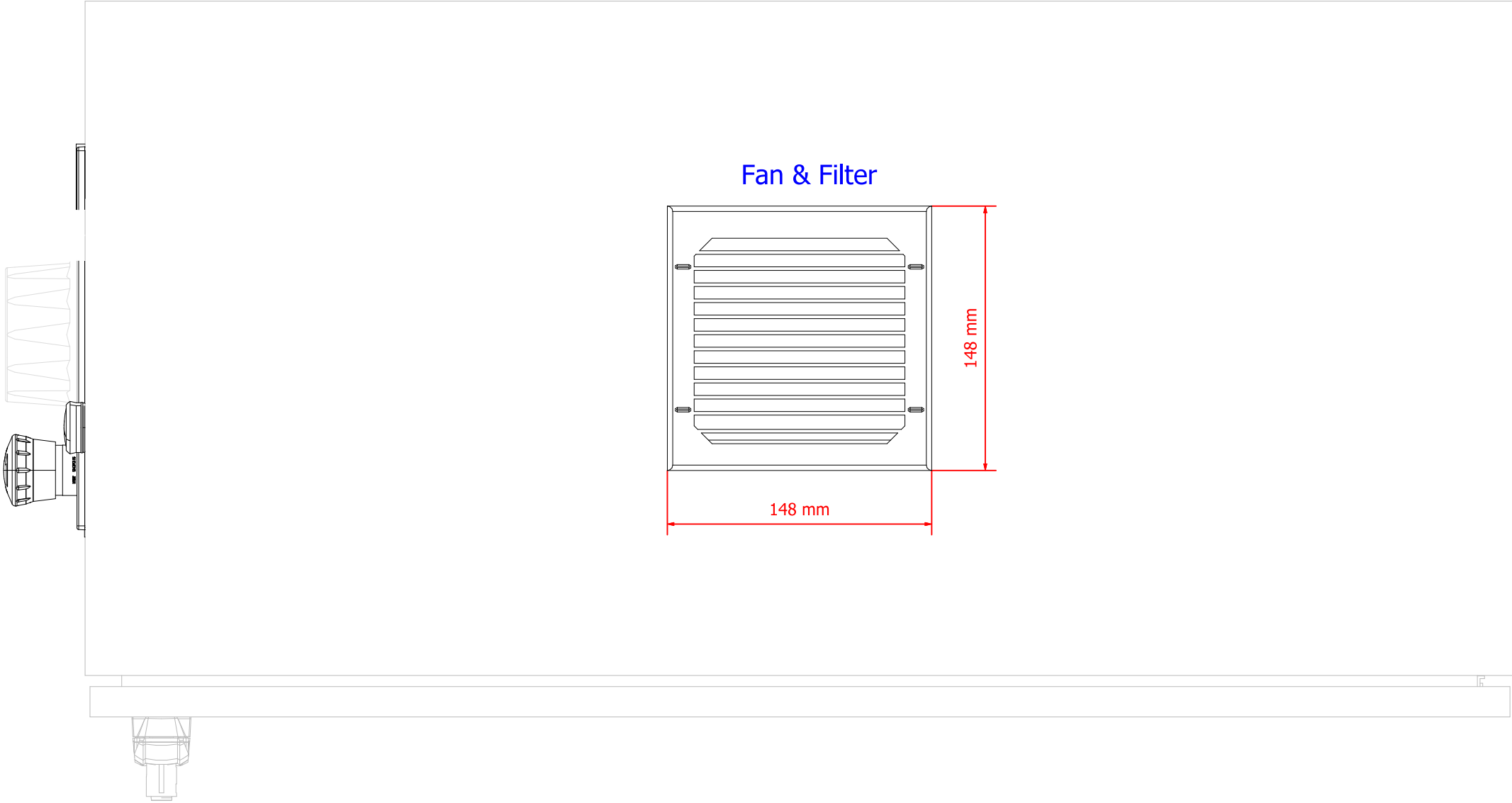
Top view of the enclosure



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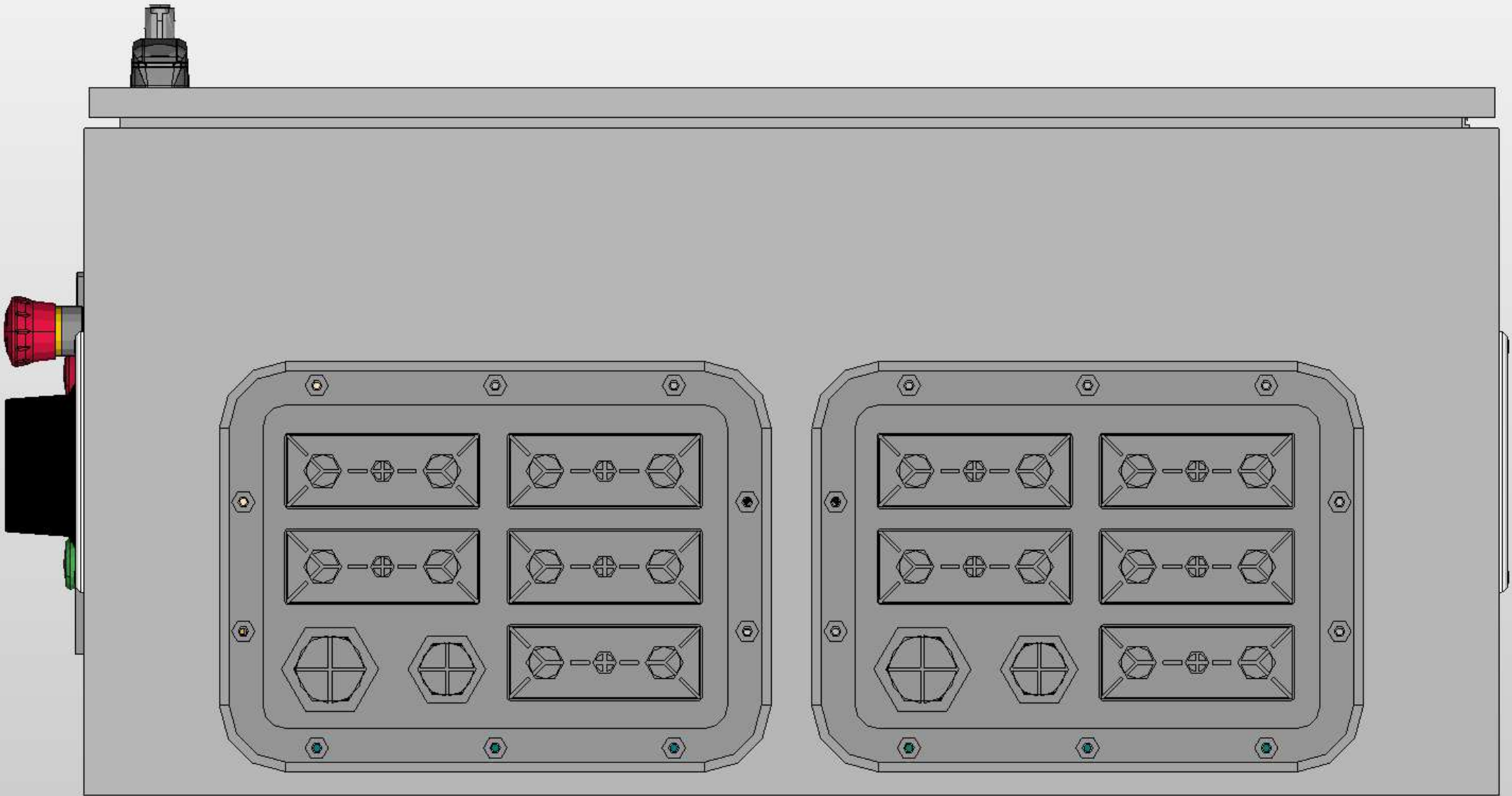
Top view of the enclosure

Top view of the enclosure



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Bottom view of the enclosure



Bottom view of the enclosure

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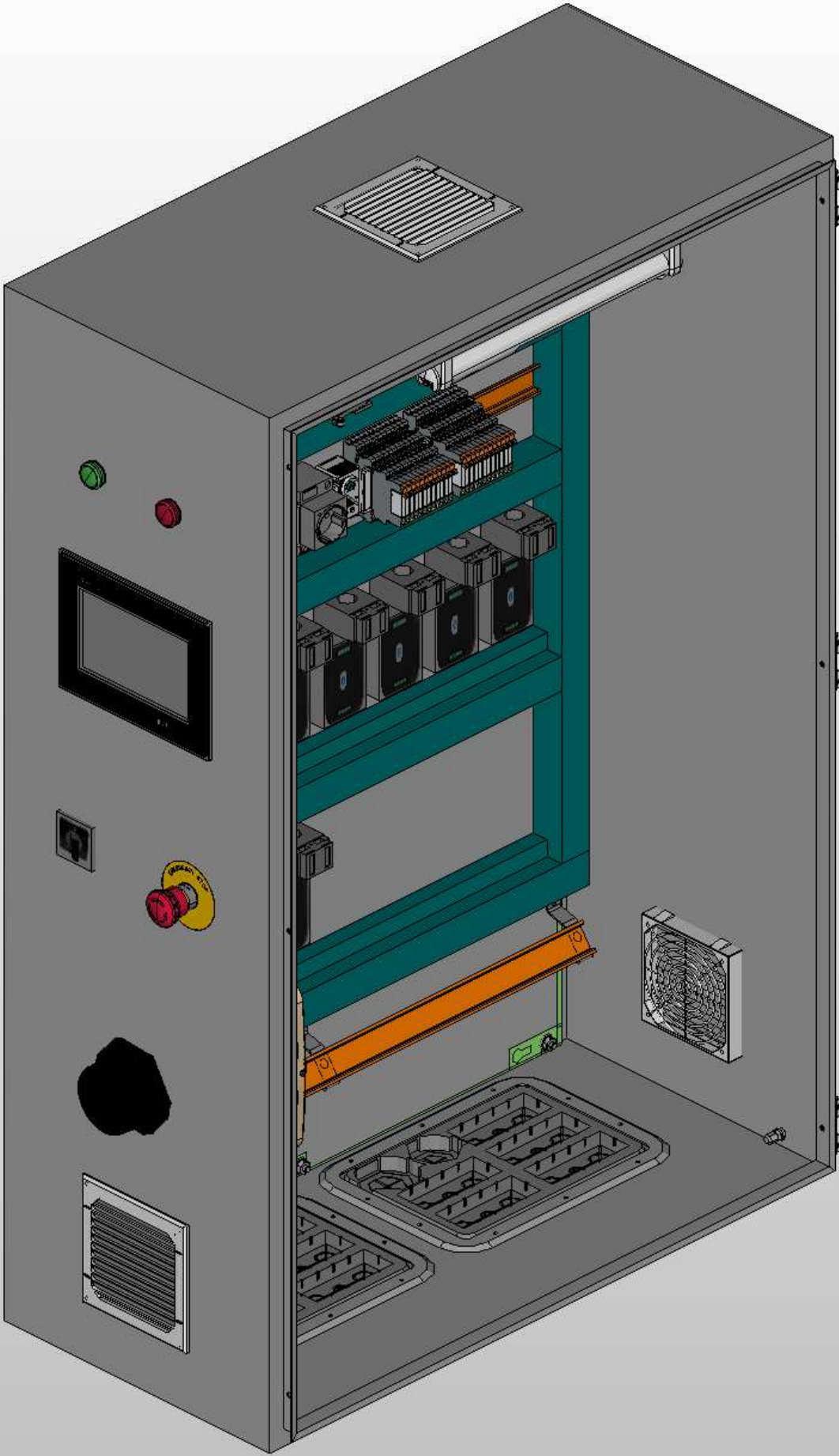
SW view of the enclosure

SW view of the enclosure



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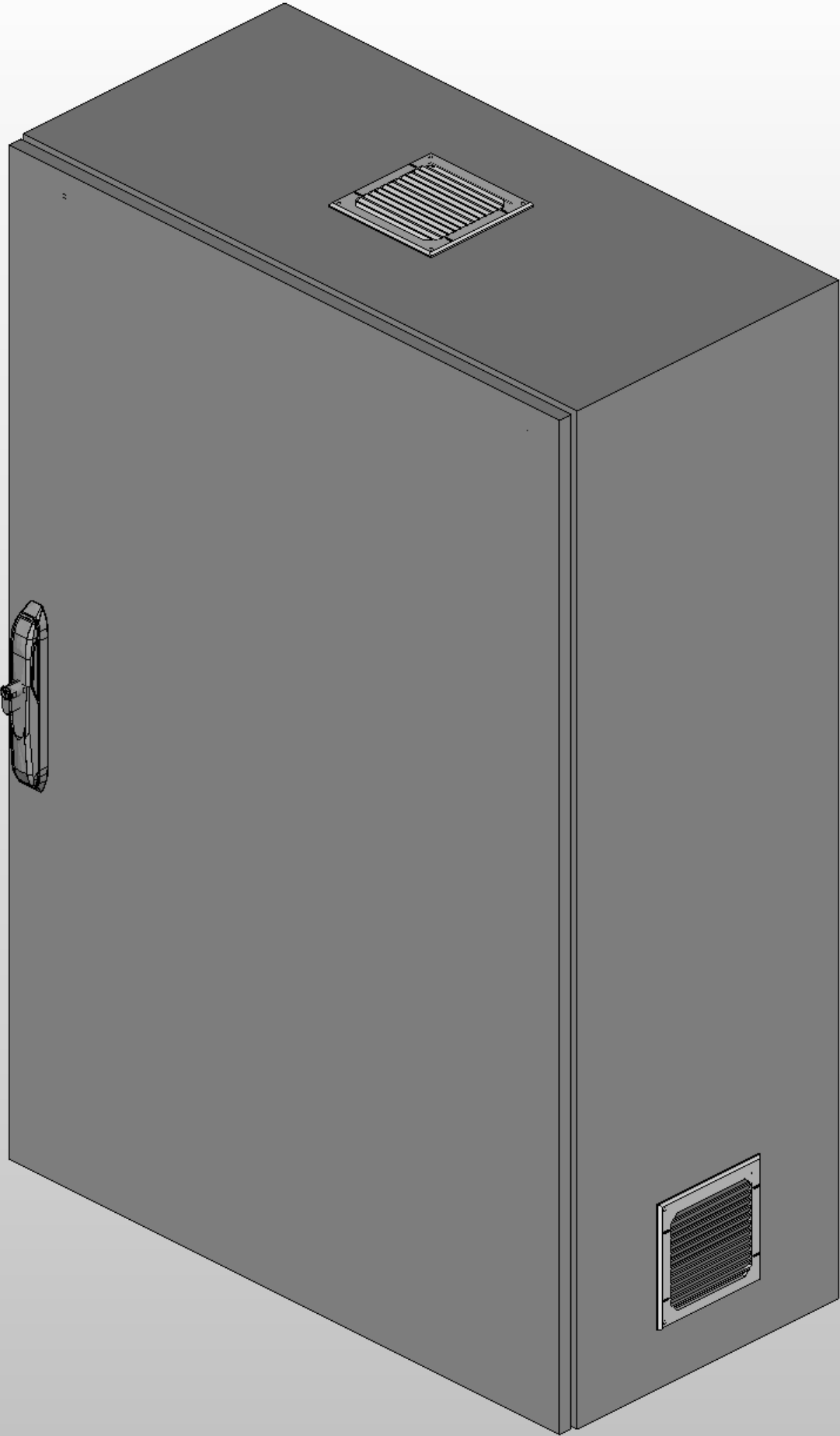
SW view of
the enclosure



SW view of
the enclosure

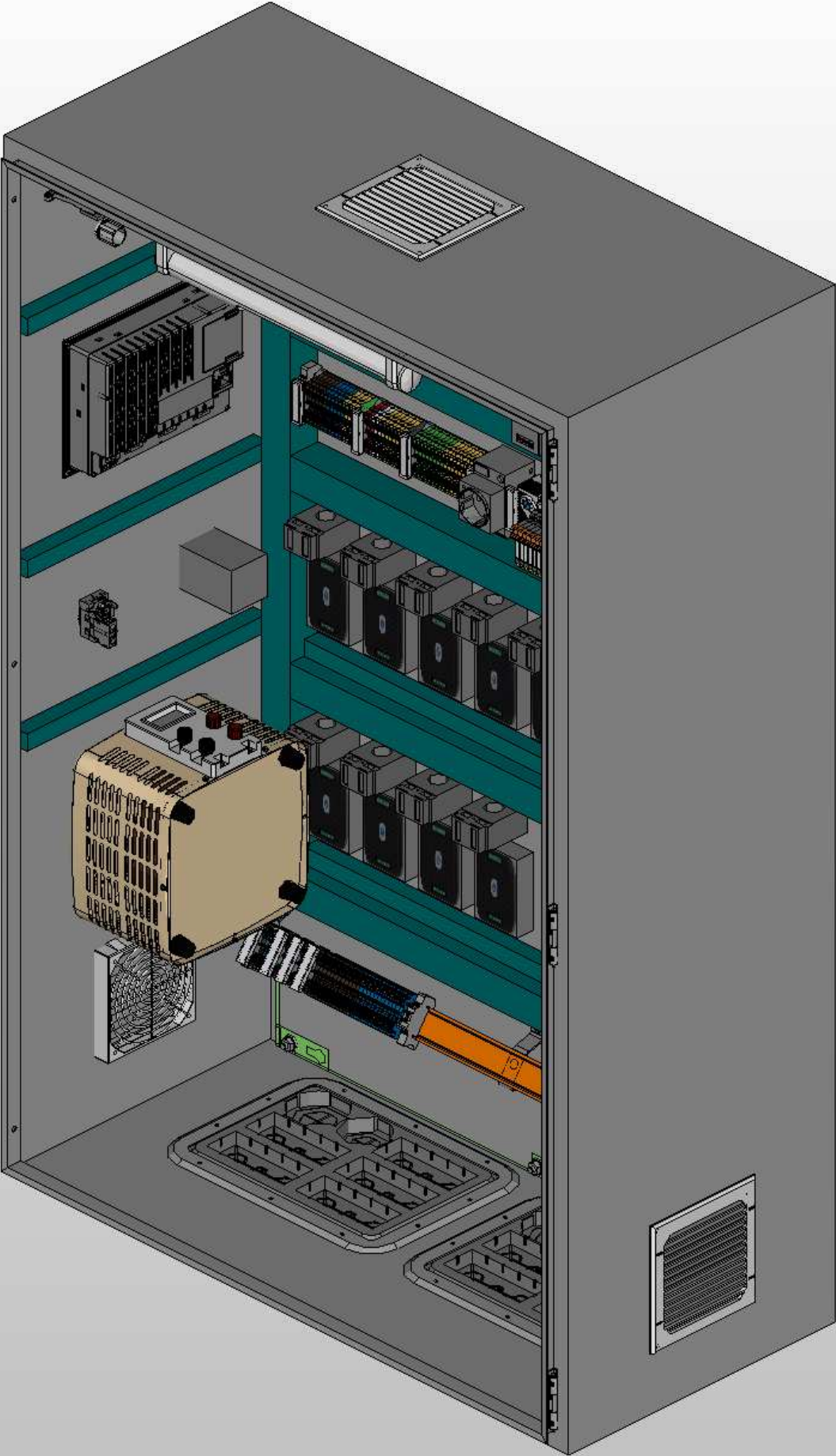
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SE view of the enclosure



SE view of the enclosure

SE view of
the enclosure

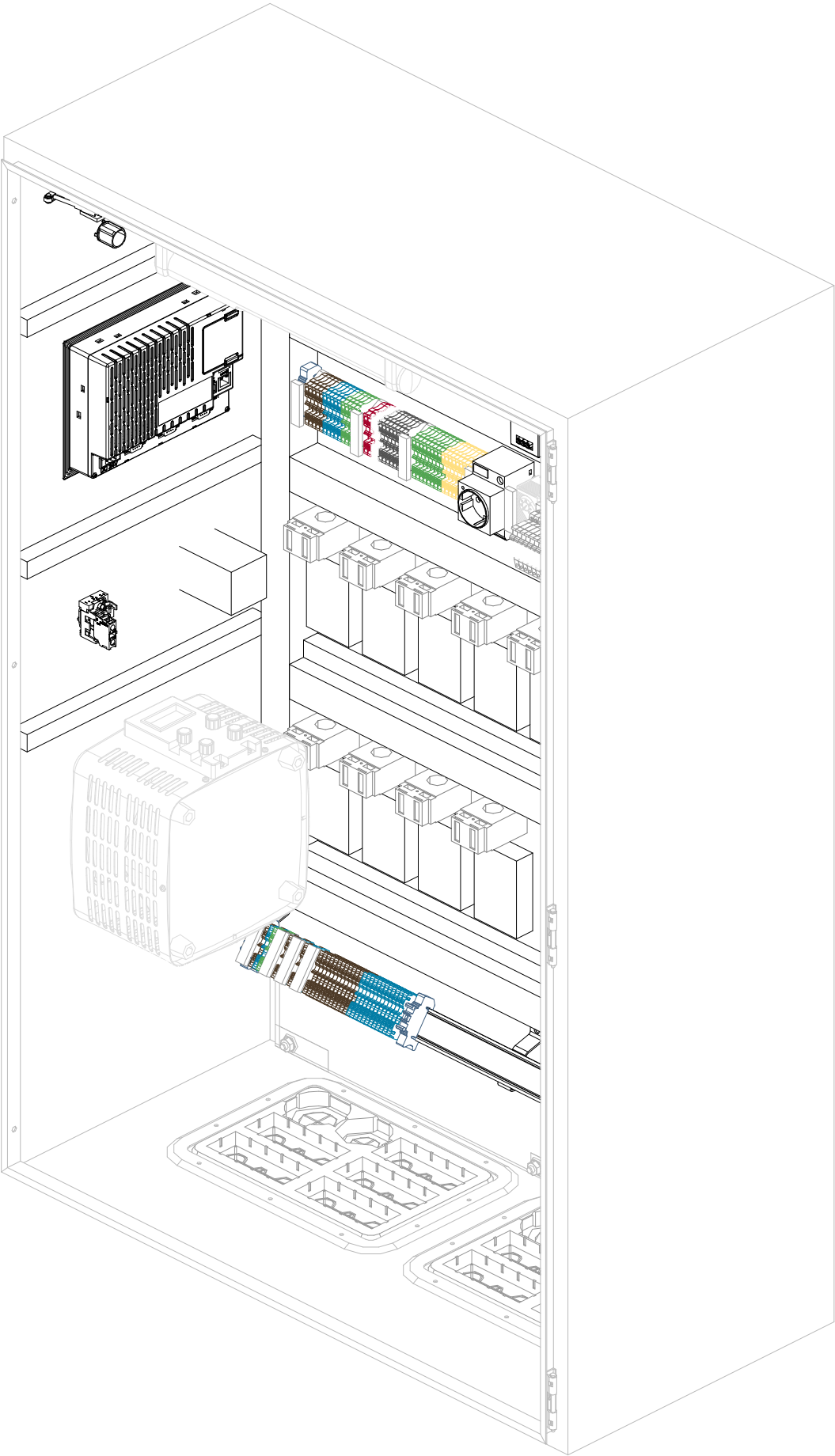


SE view of
the enclosure

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SE view of the enclosure

SE view of the enclosure



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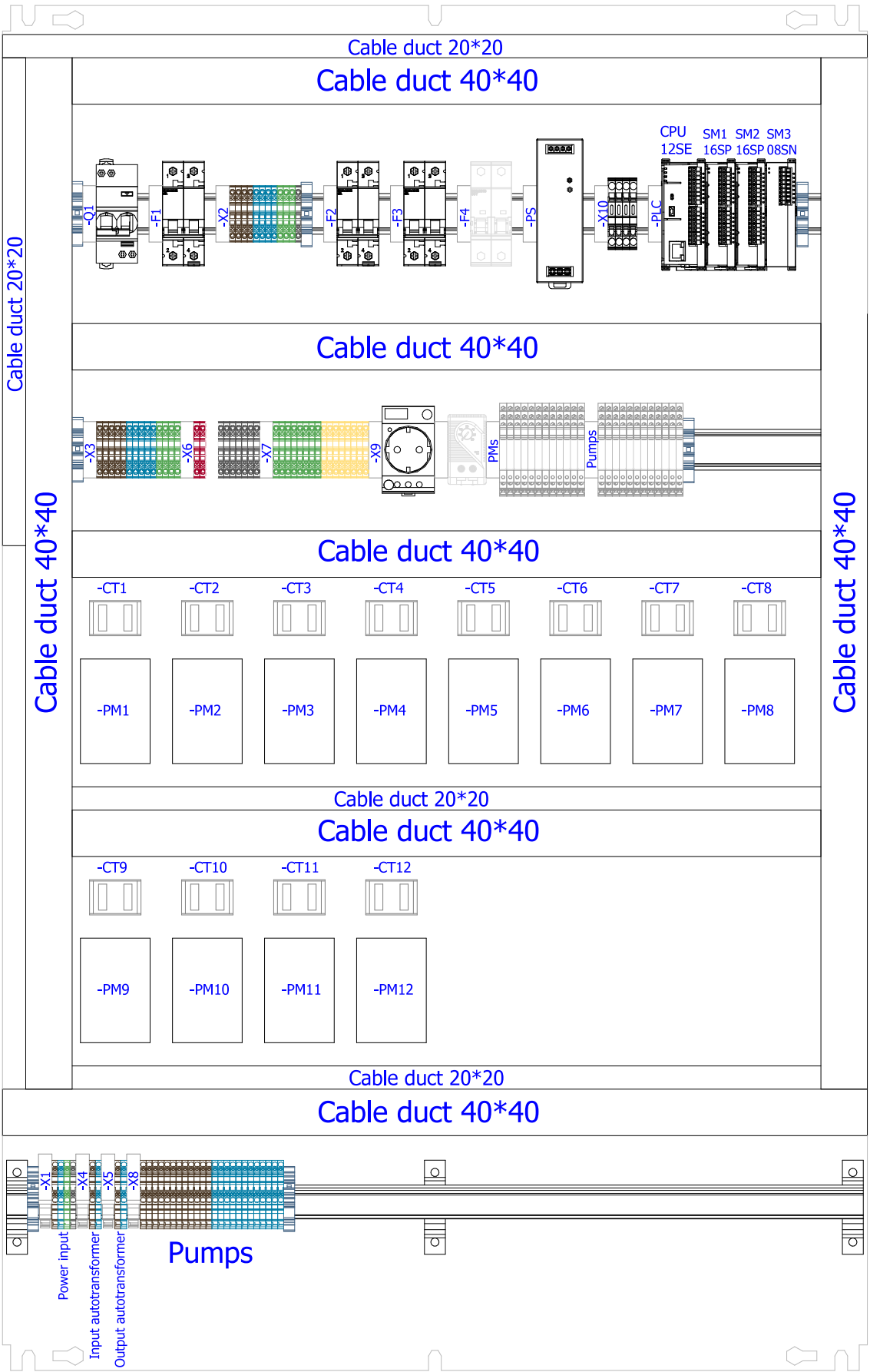
MOUNTING PANEL LAYOUT

Mounting panel

Mounting panel

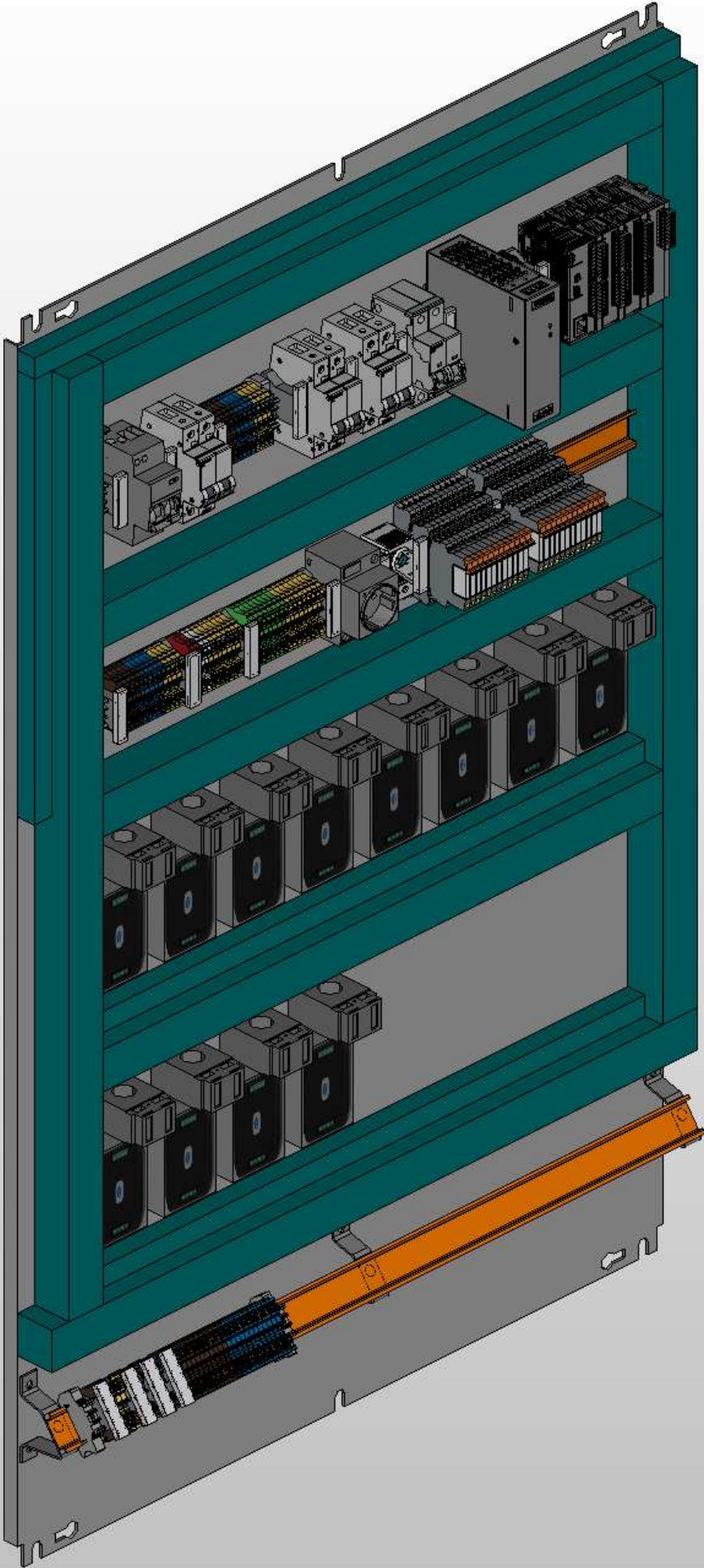


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Mounting panel

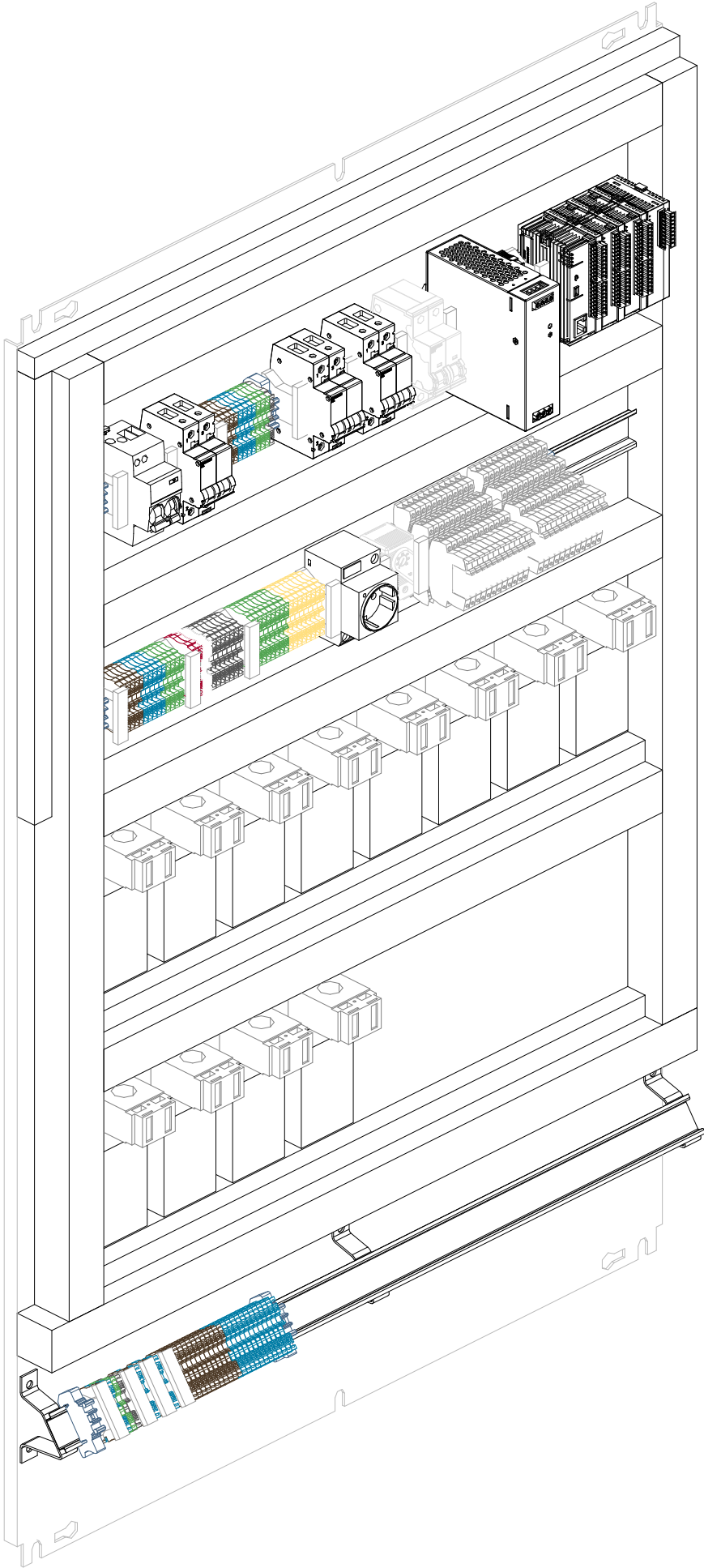
Mounting panel



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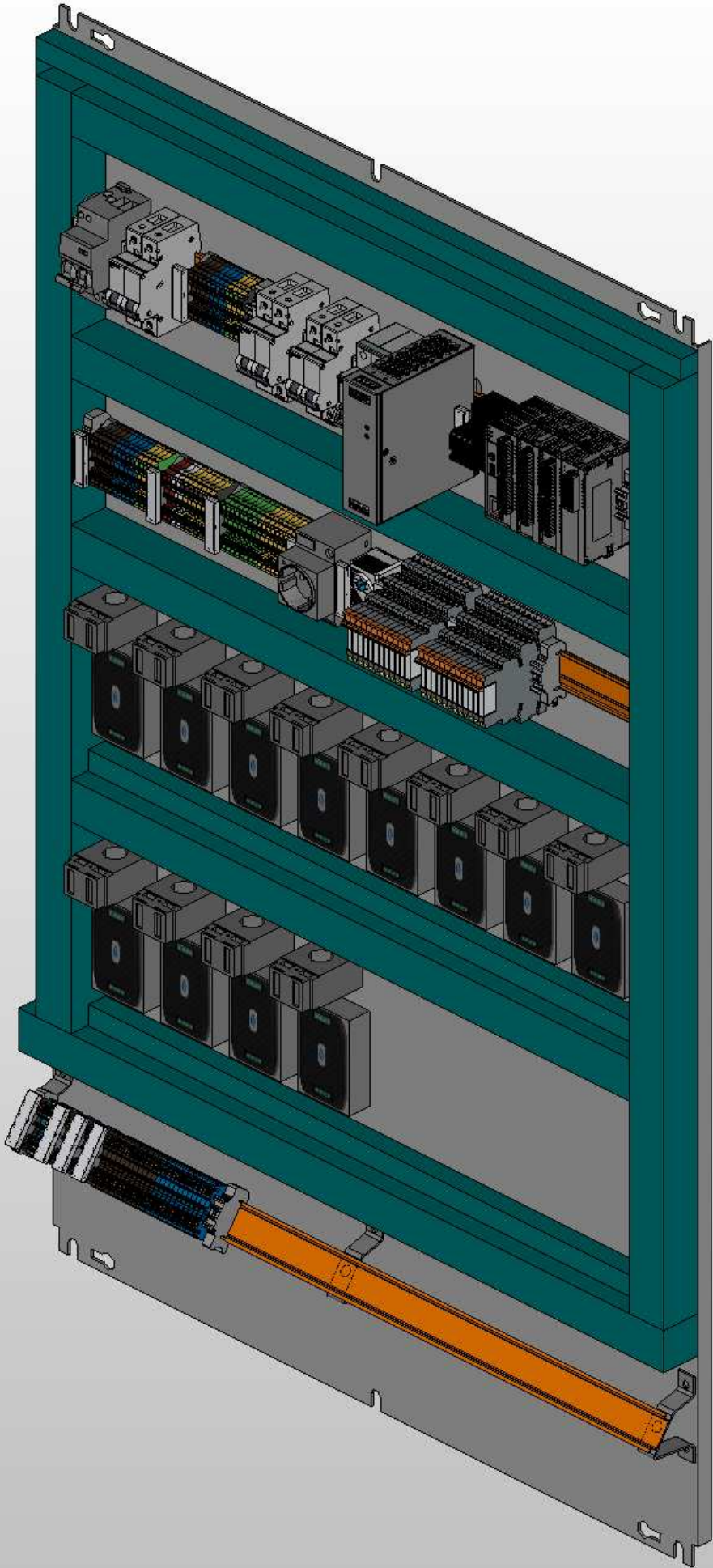
Mounting panel

Mounting panel



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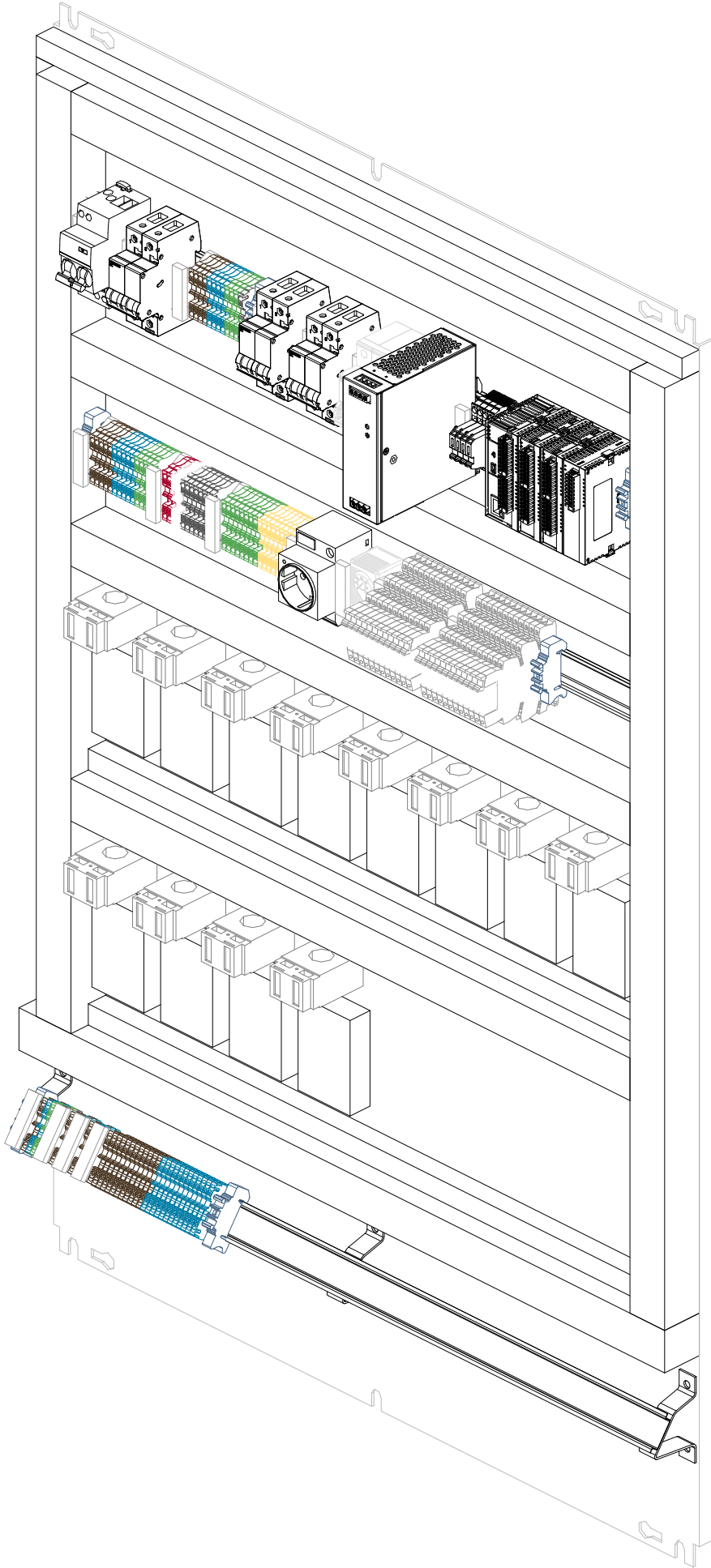
Mounting panel



Mounting panel

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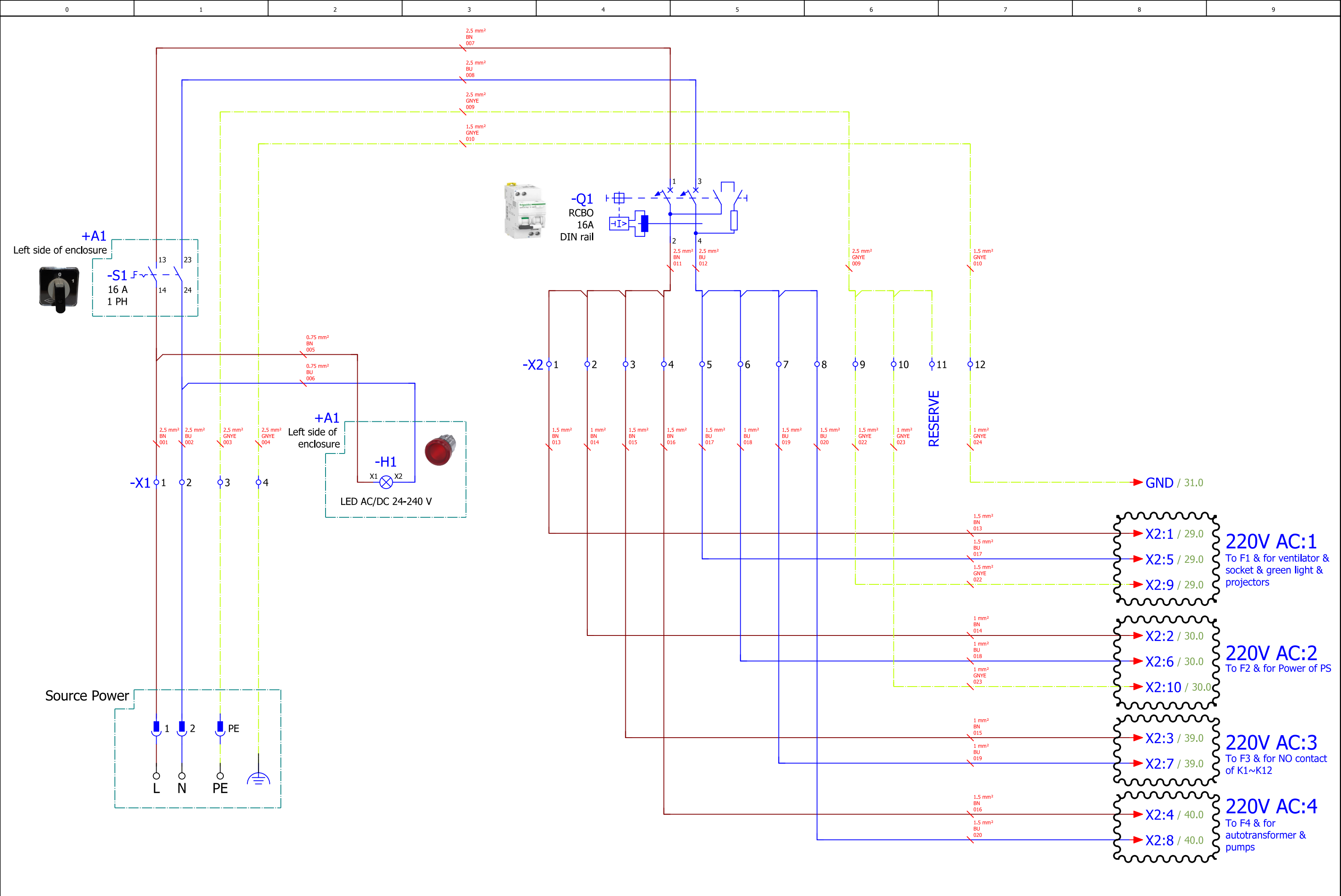
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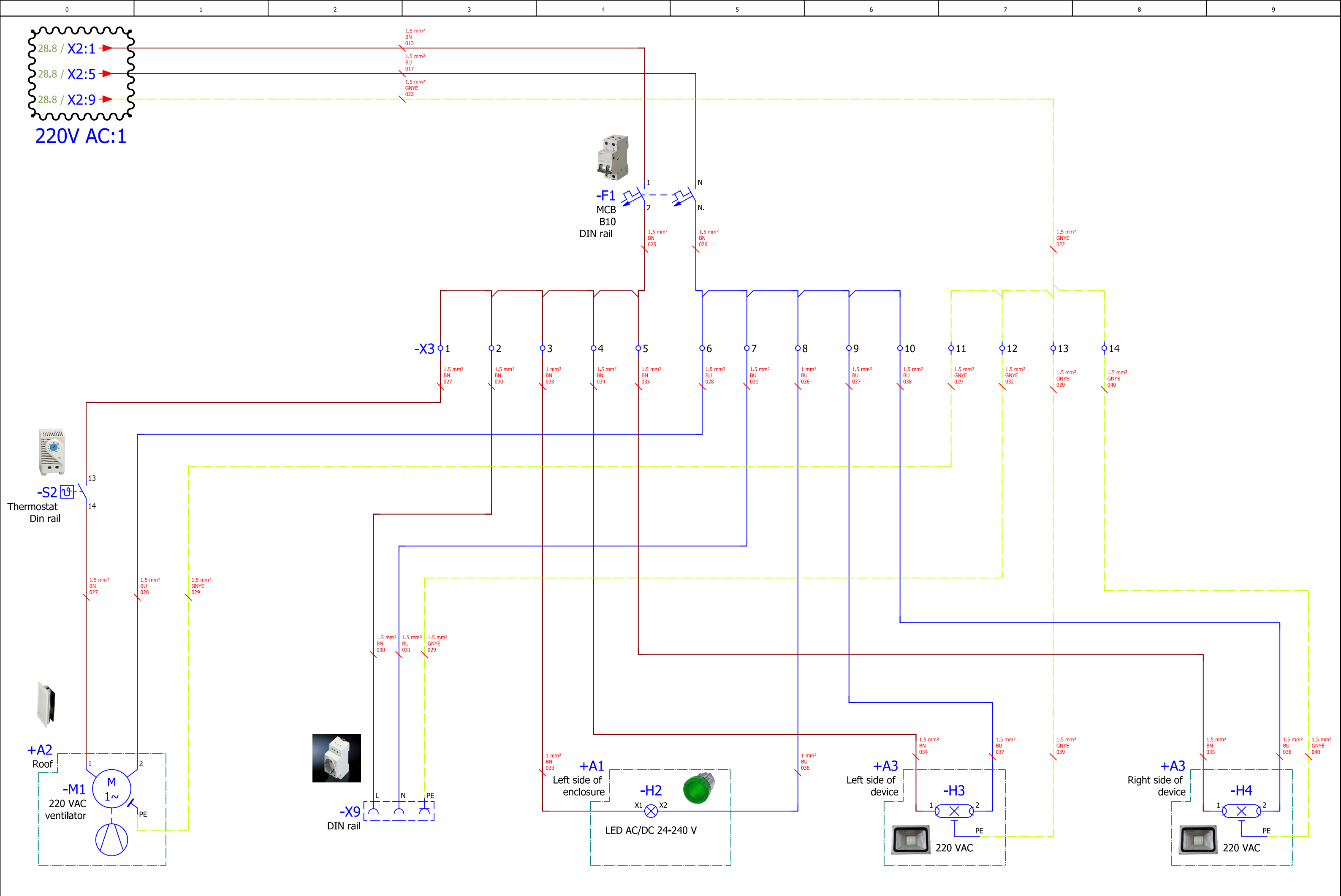


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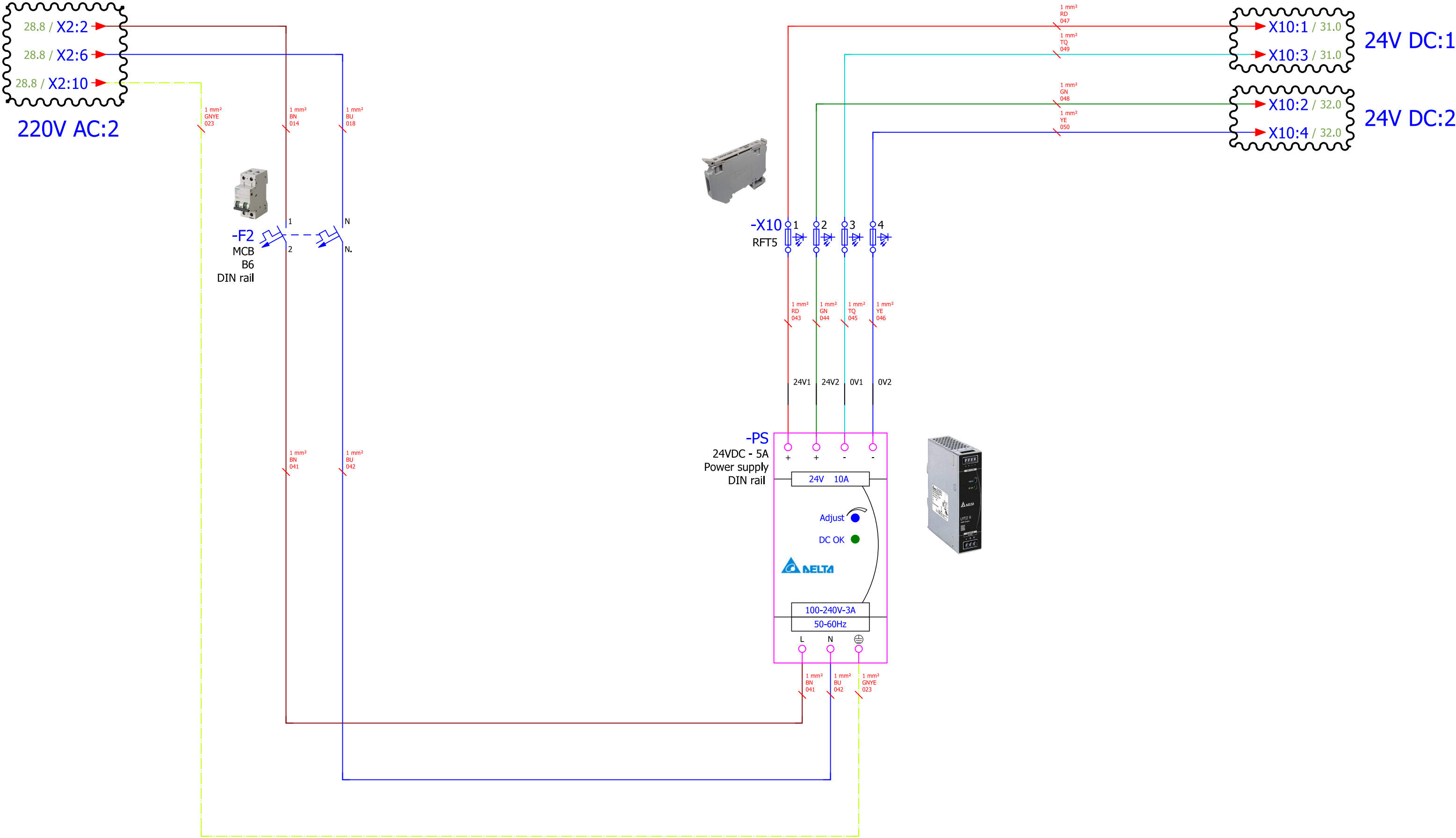
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DRAWING VIEW

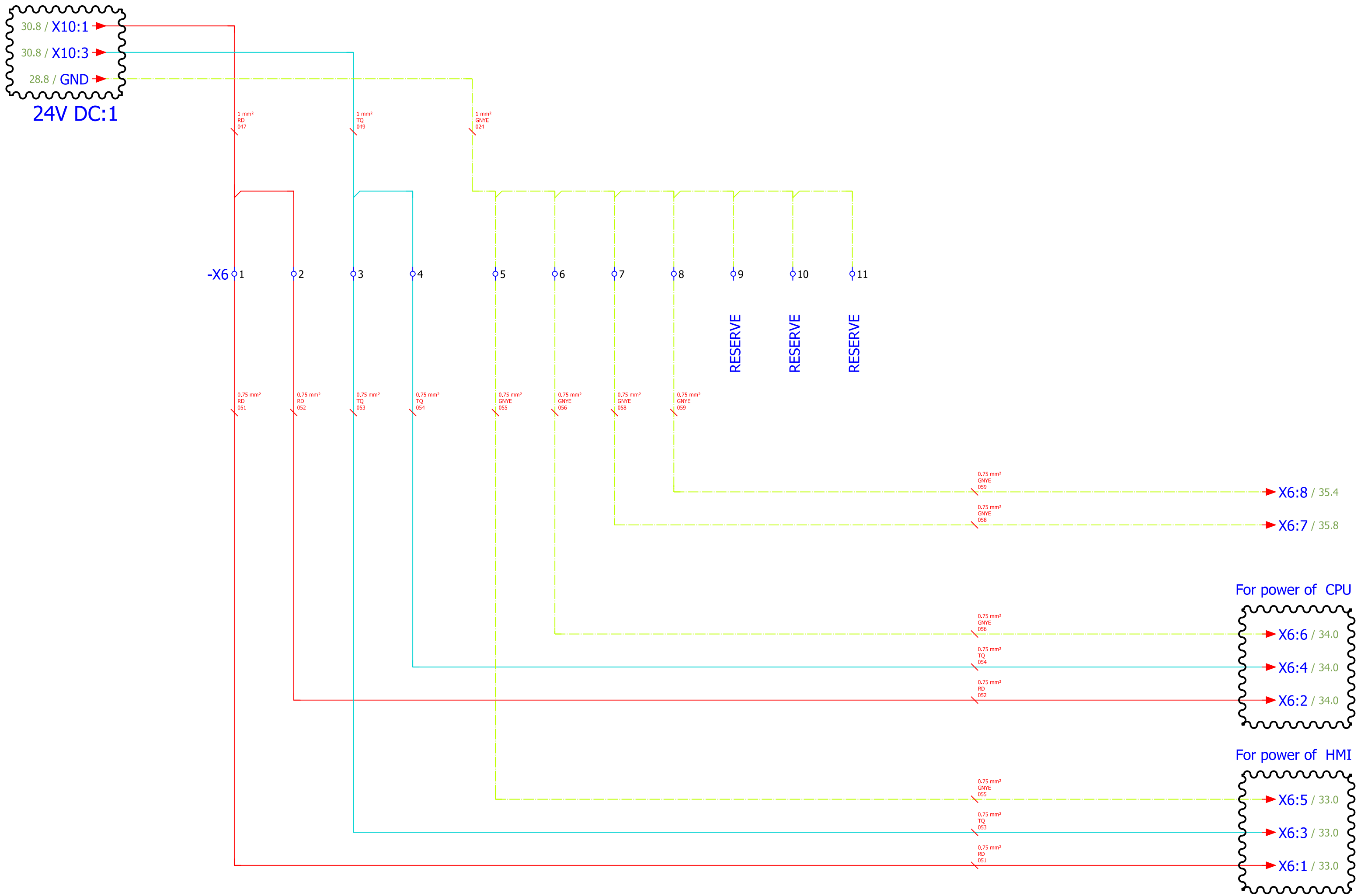




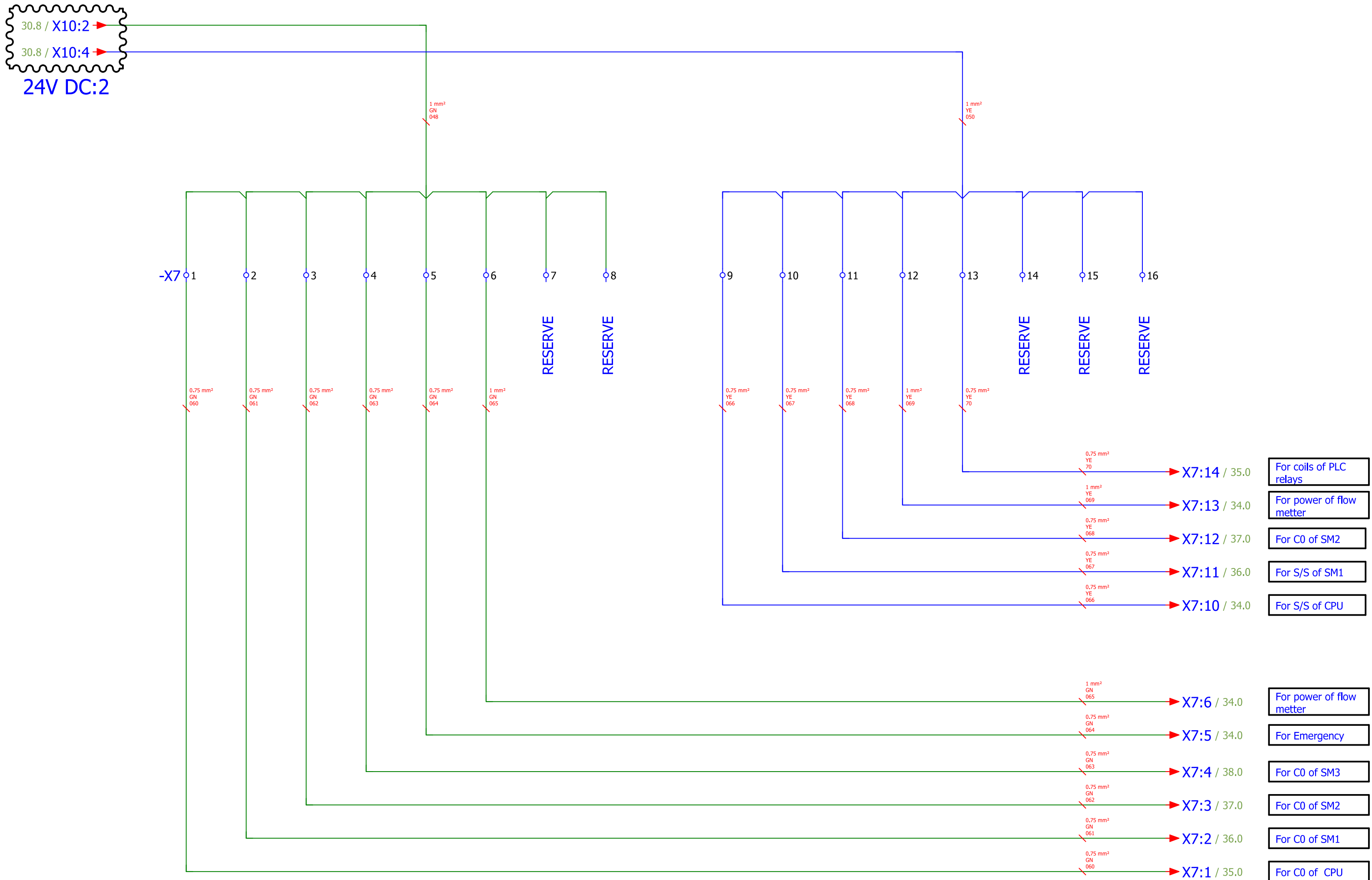
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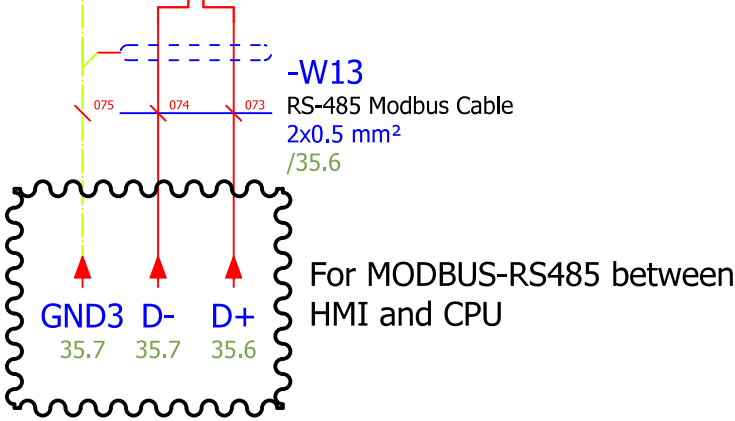
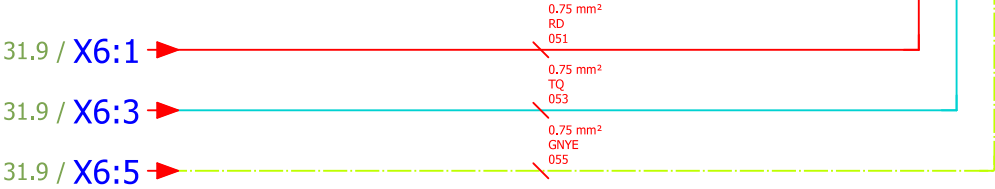
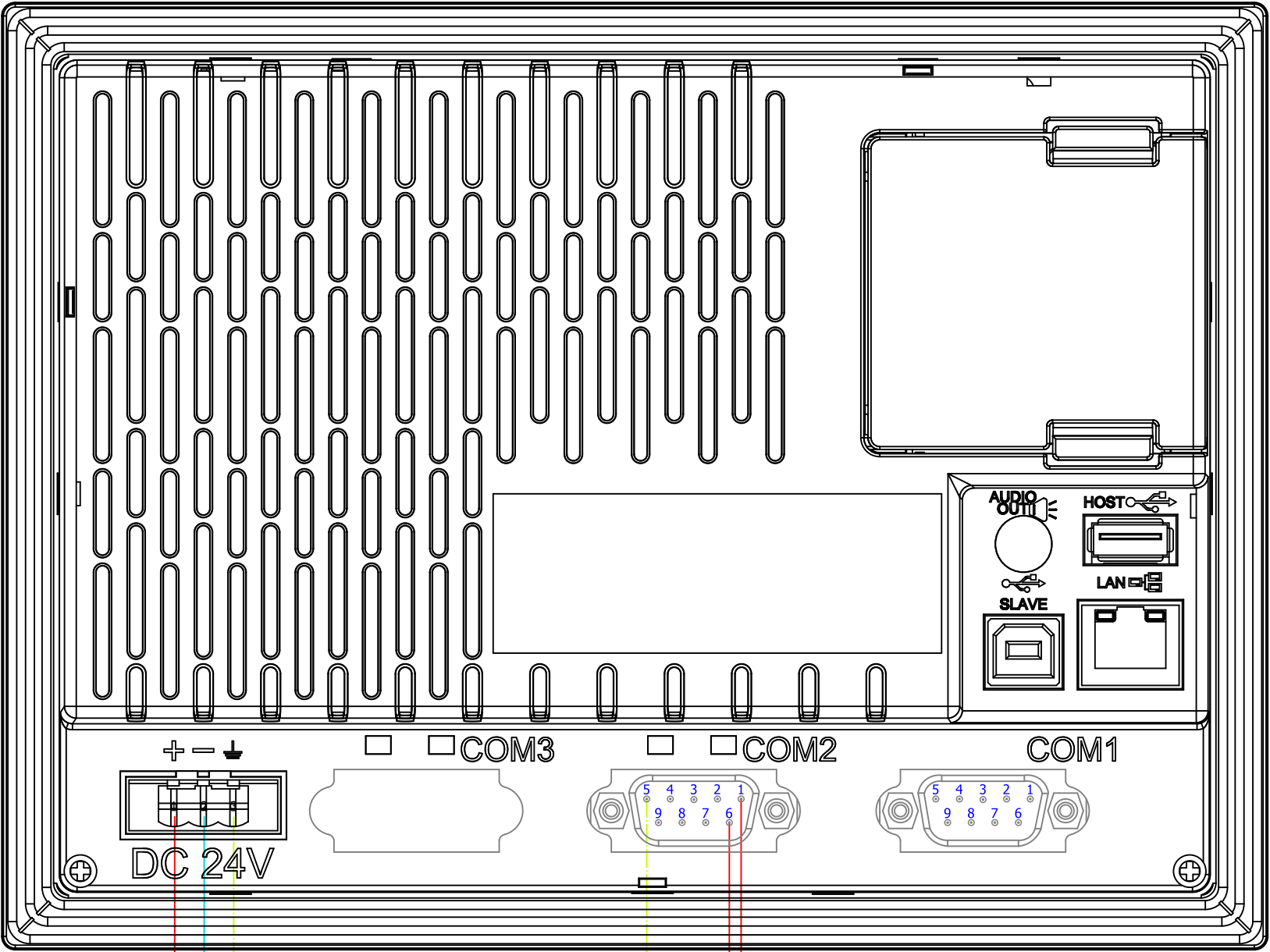


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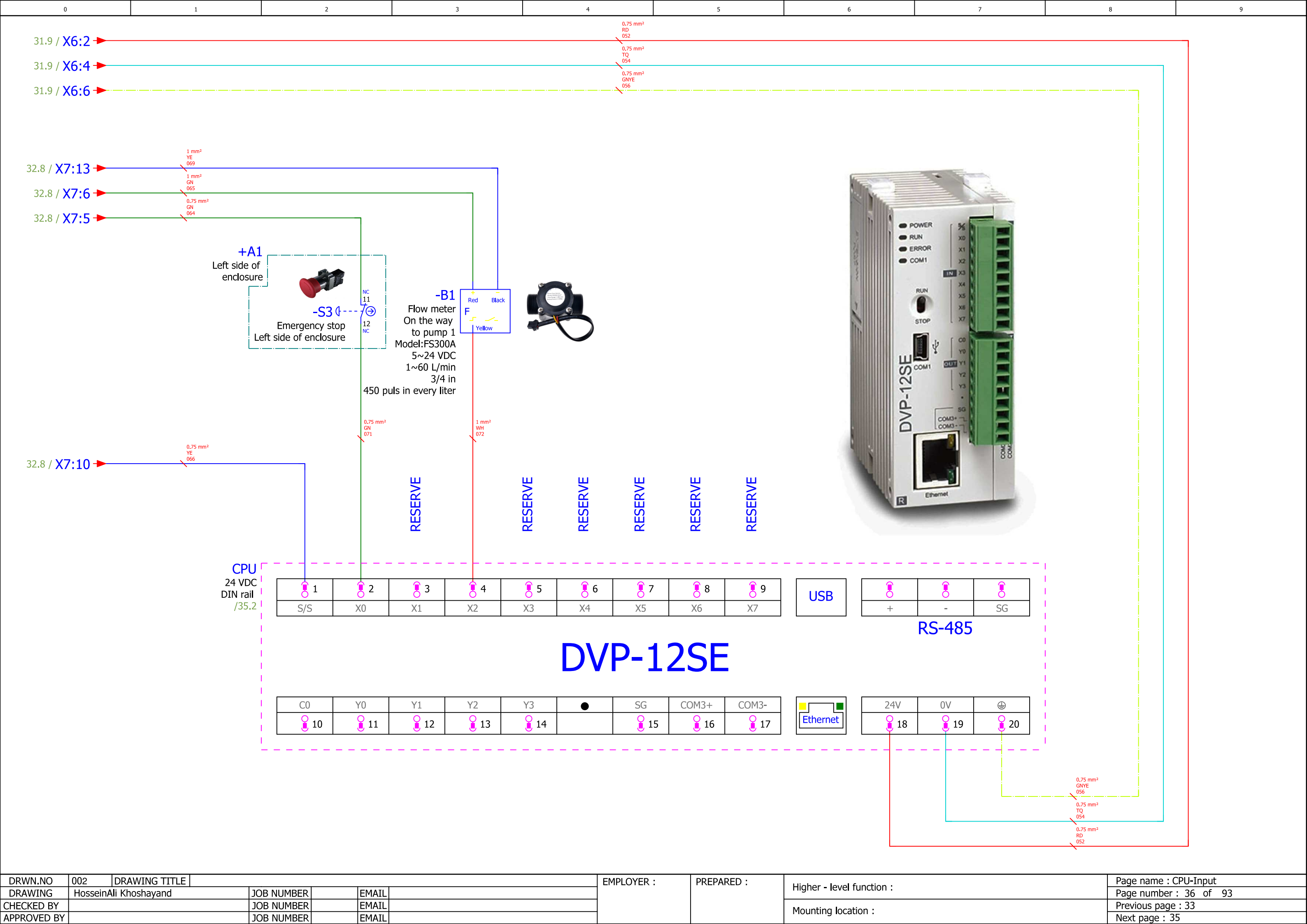


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HMI
DOP-107CV
Left side of enclosure

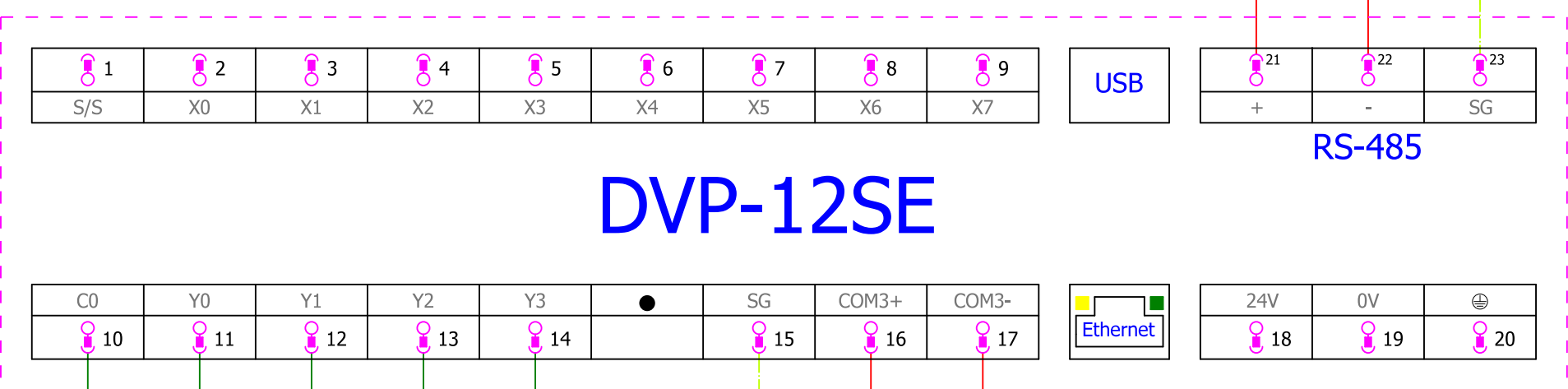


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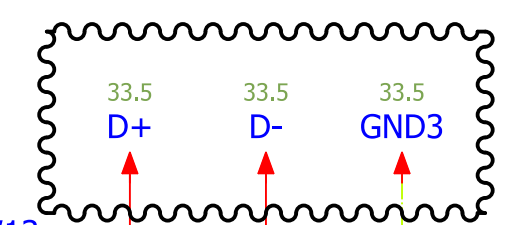




CPU
24 VDC
DIN rail
/34.2



DVP-12SE

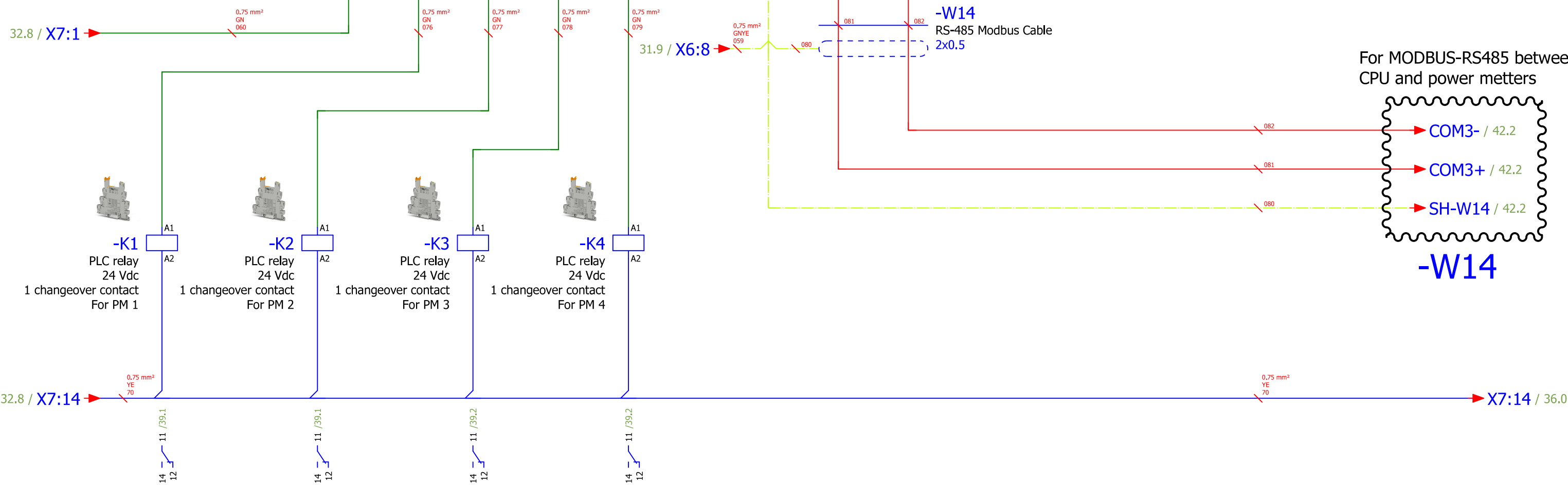


For MODBUS-RS485 between
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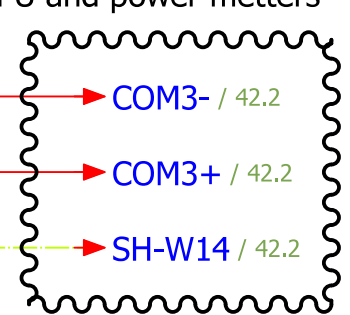
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RS-485 Modbus Cable
2x0.5 mm²
/33.5

RS-485

X6:7 / 31.9

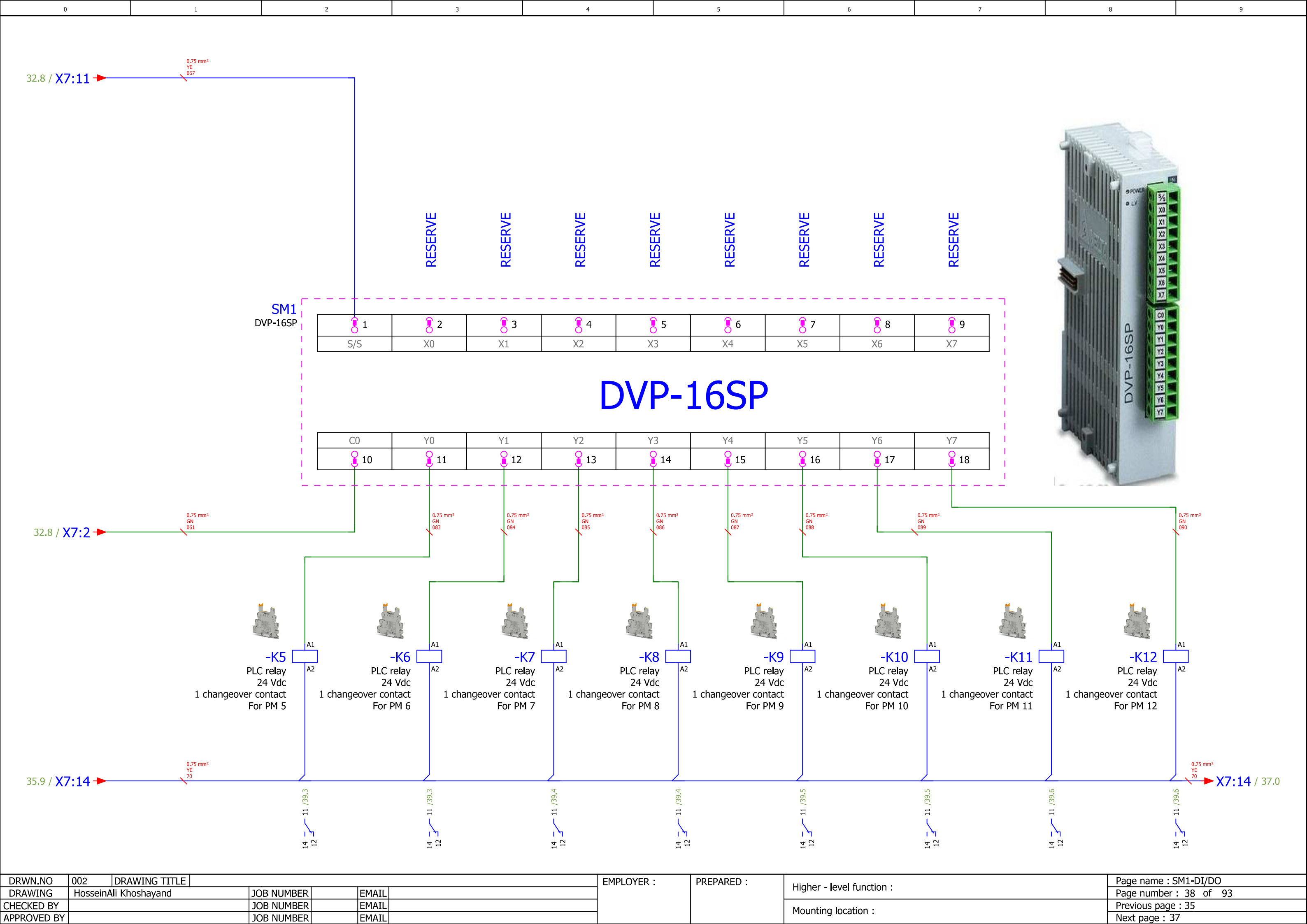


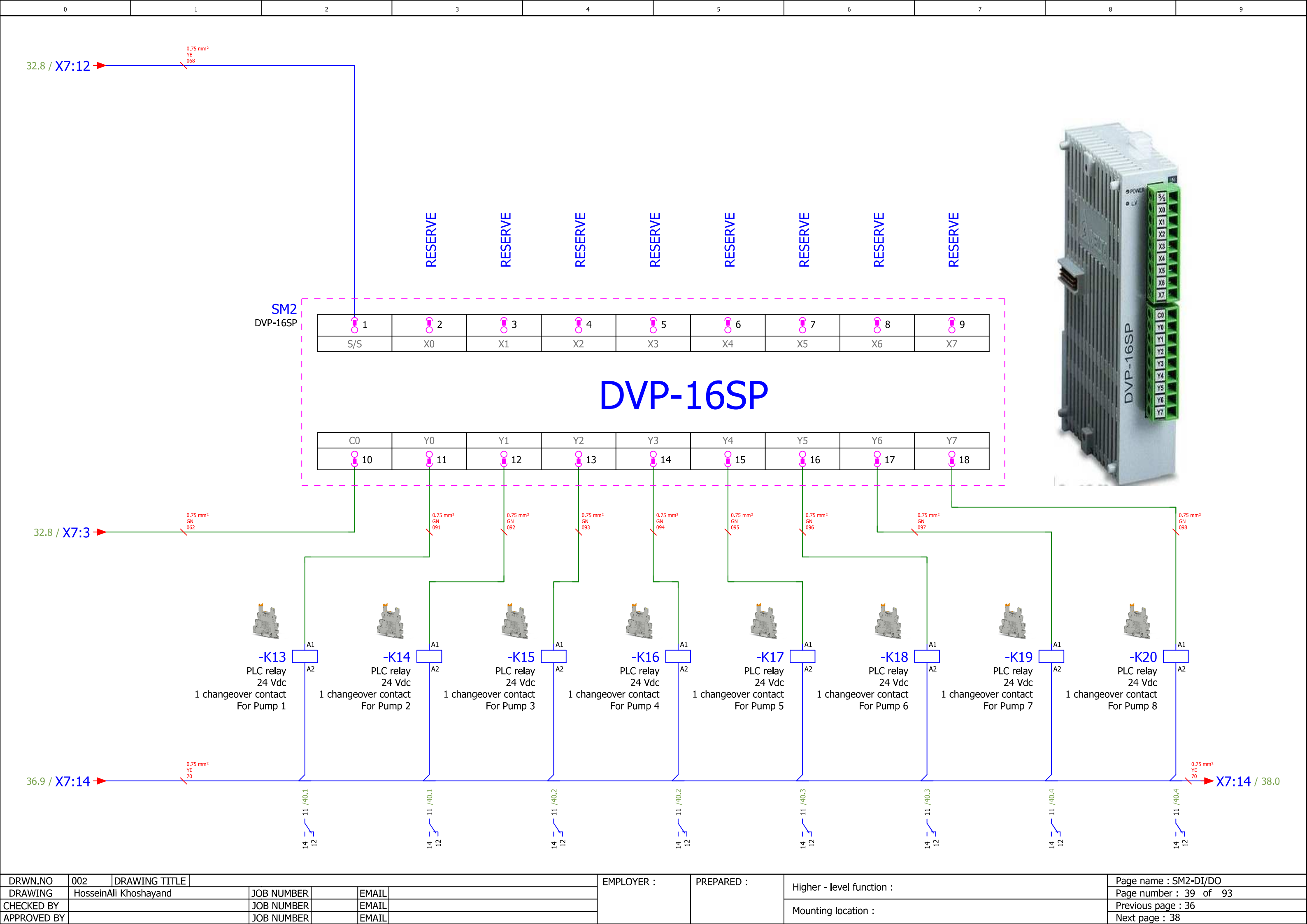
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CPU and power meters

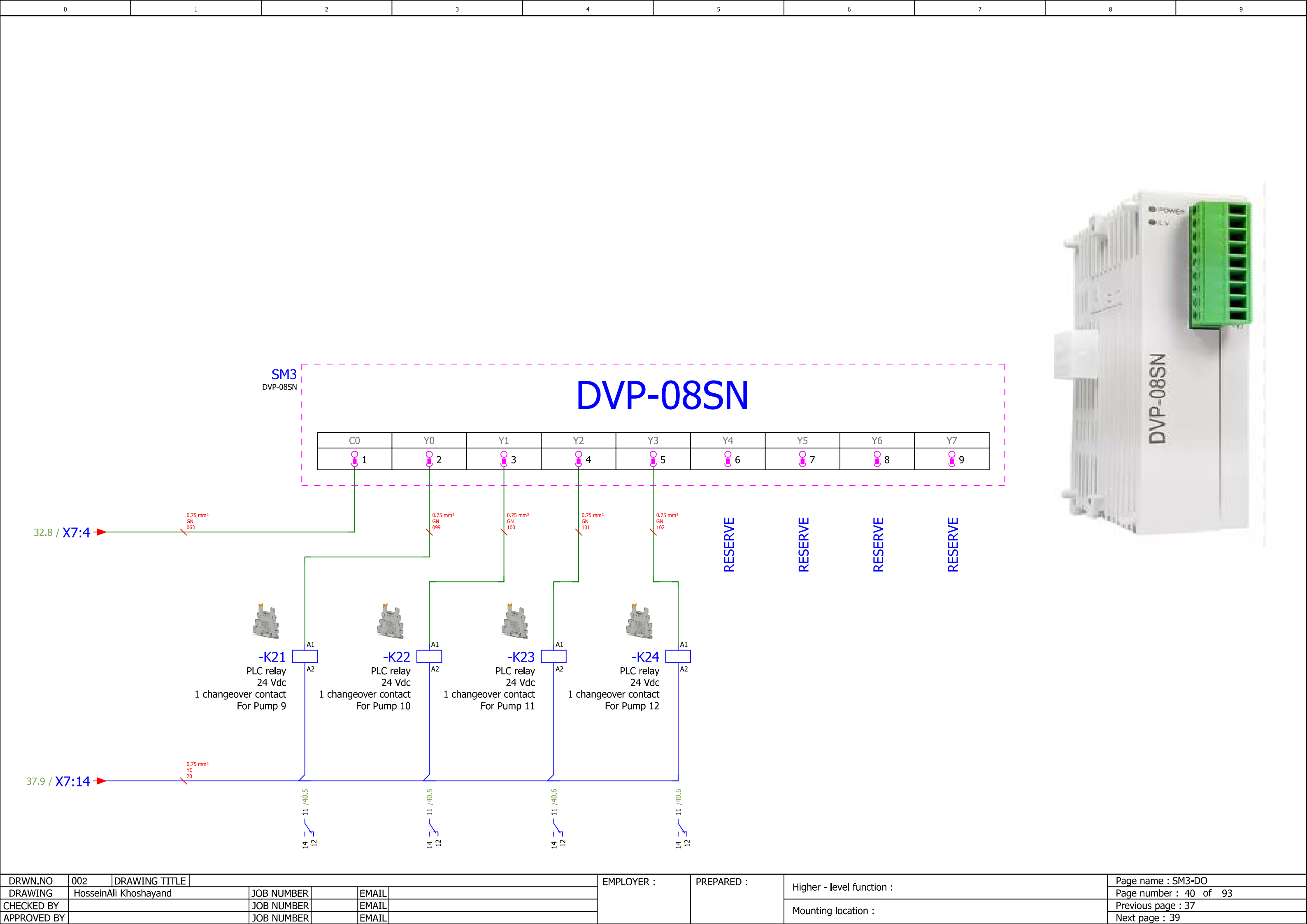


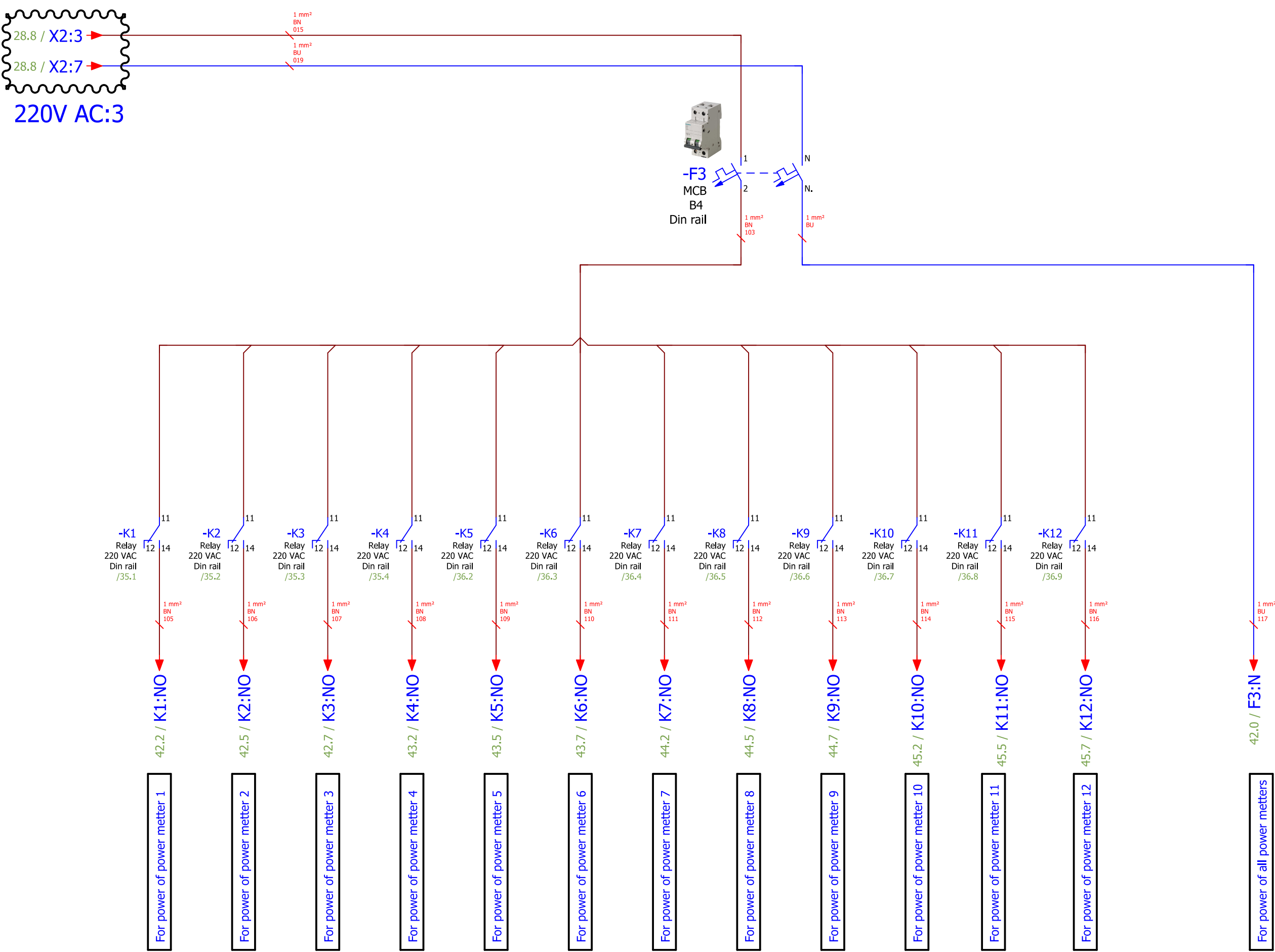
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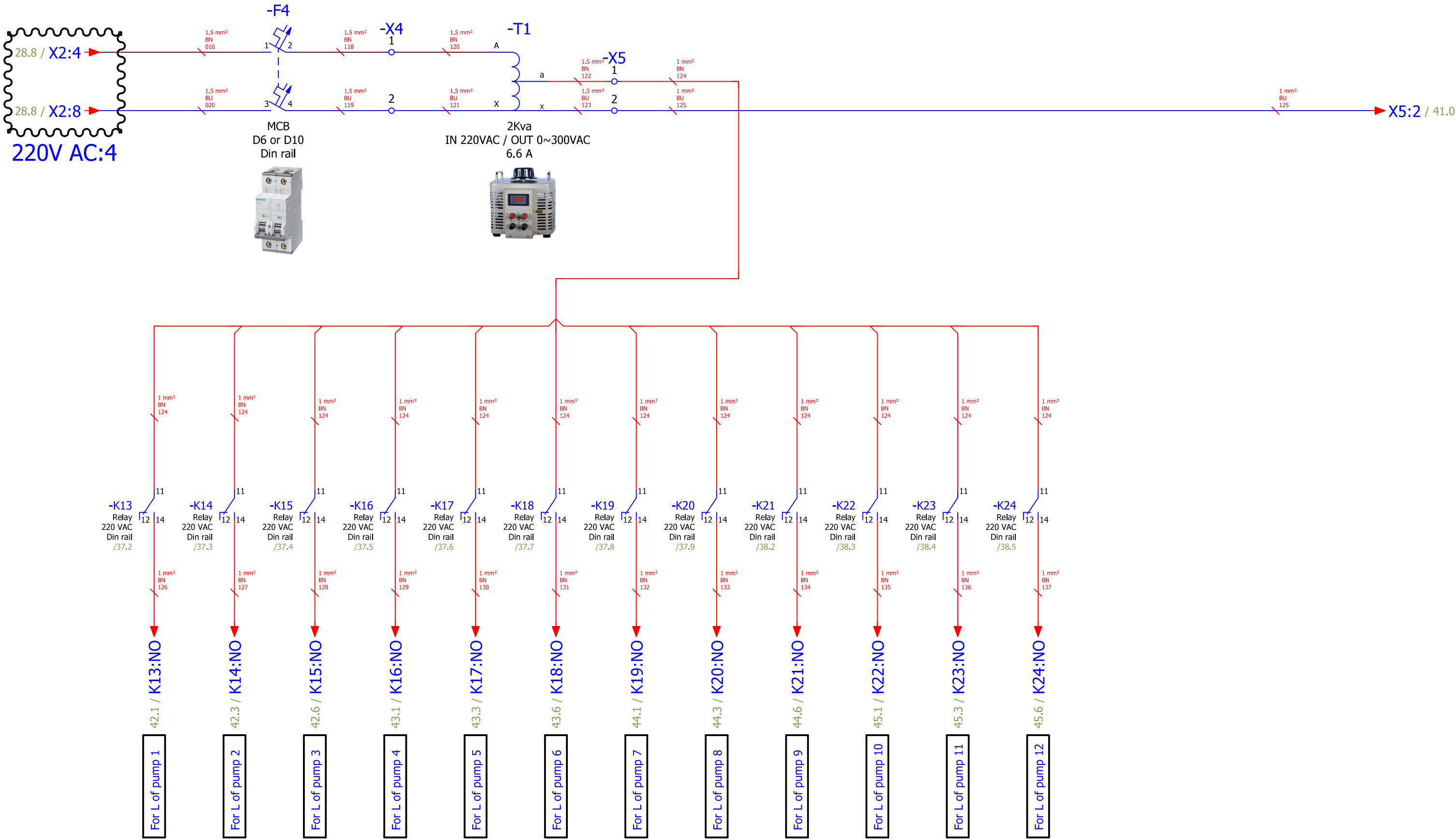






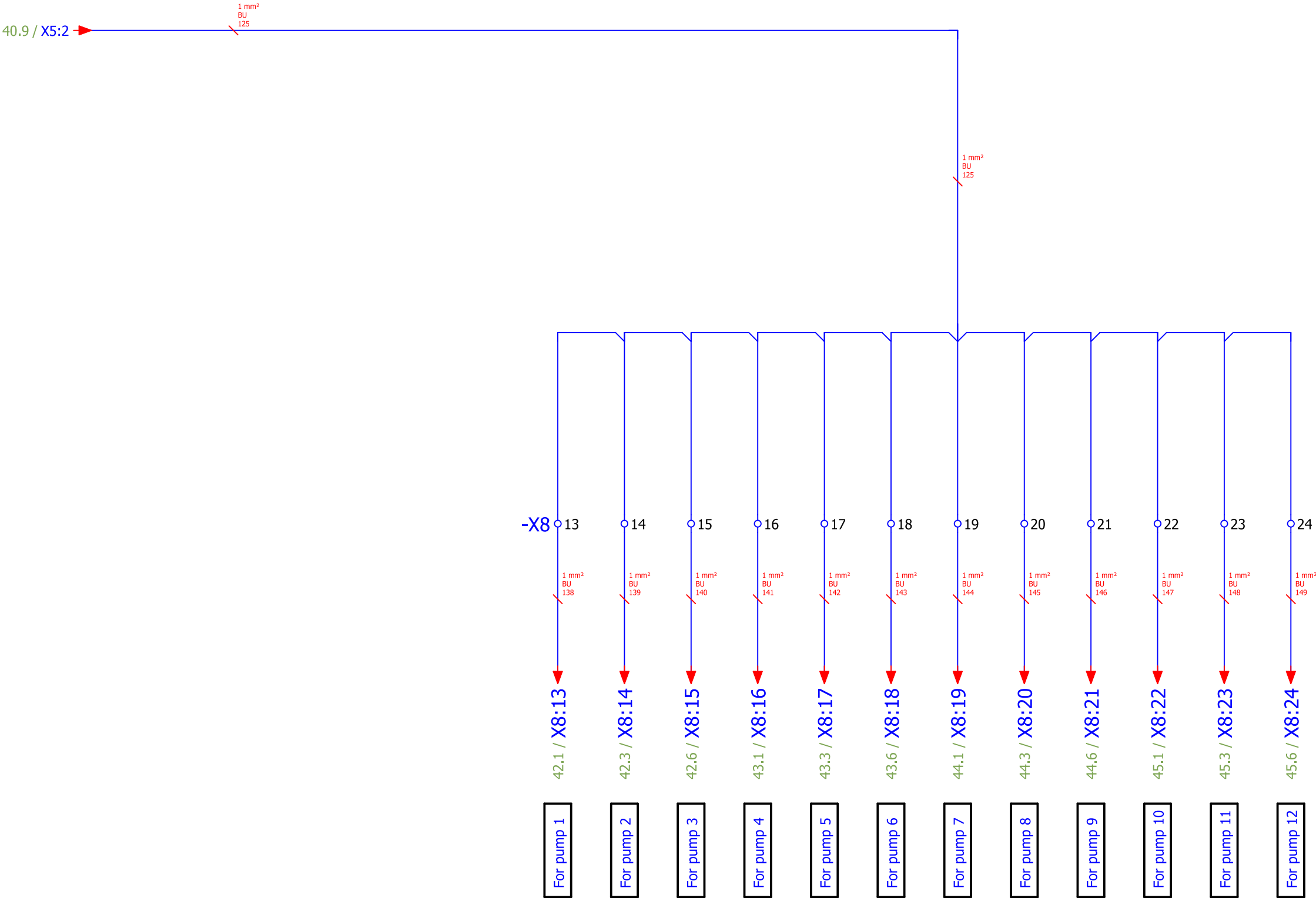


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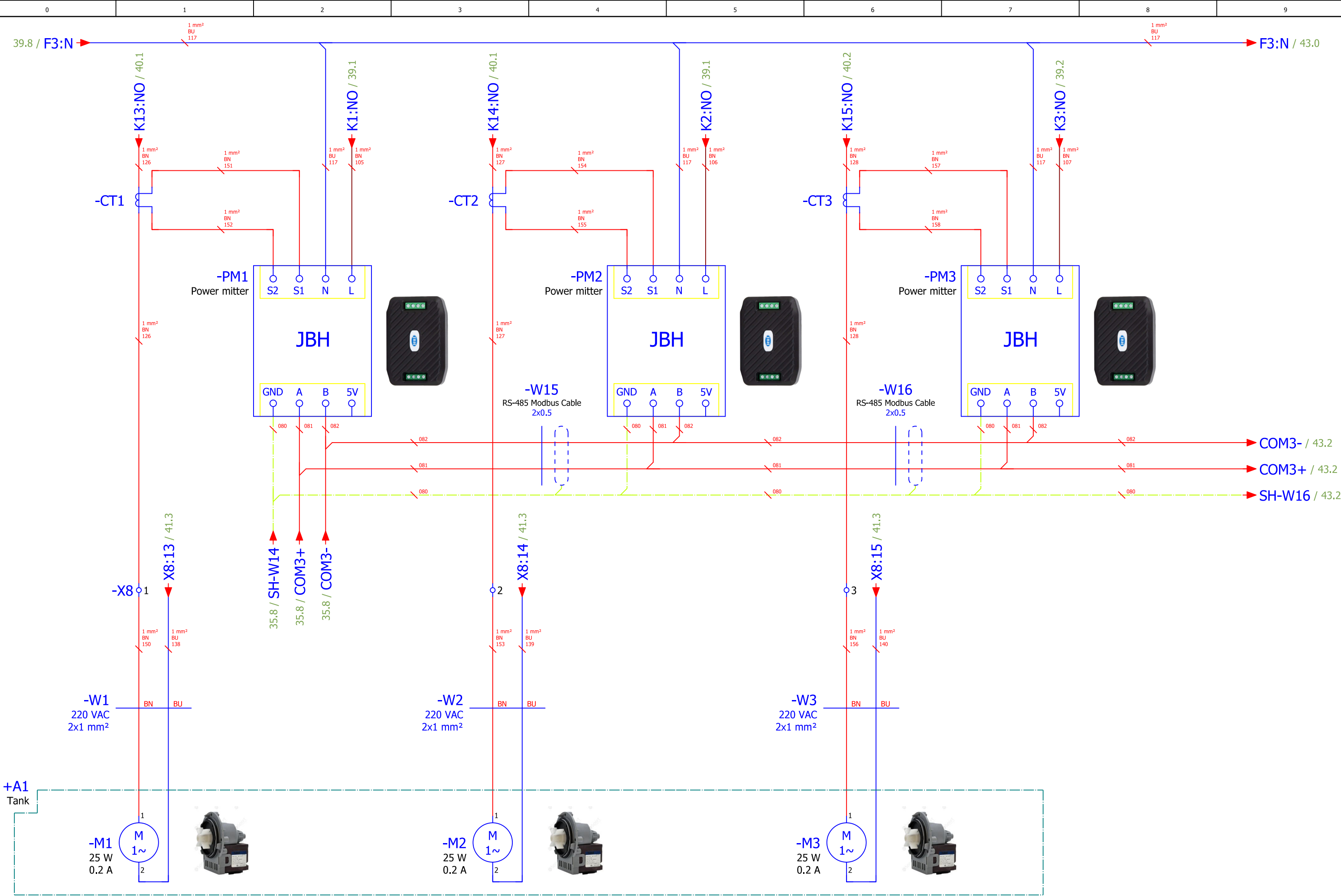


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DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 42 of 93
CHECKED BY			JOB NUMBER		EMAIL				Previous page : 39
APPROVED BY			JOB NUMBER		EMAIL			Mounting location :	Next page : 41

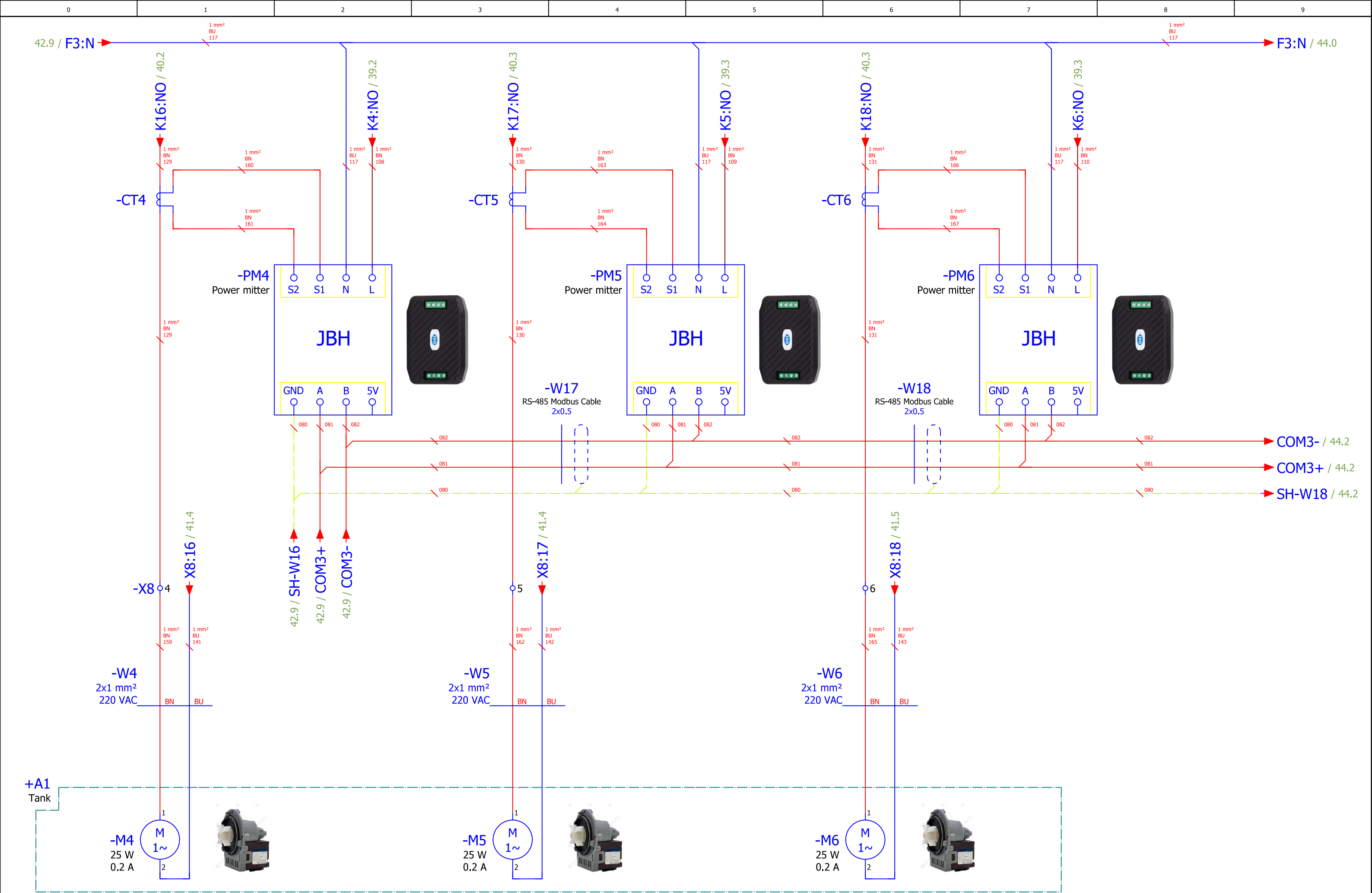
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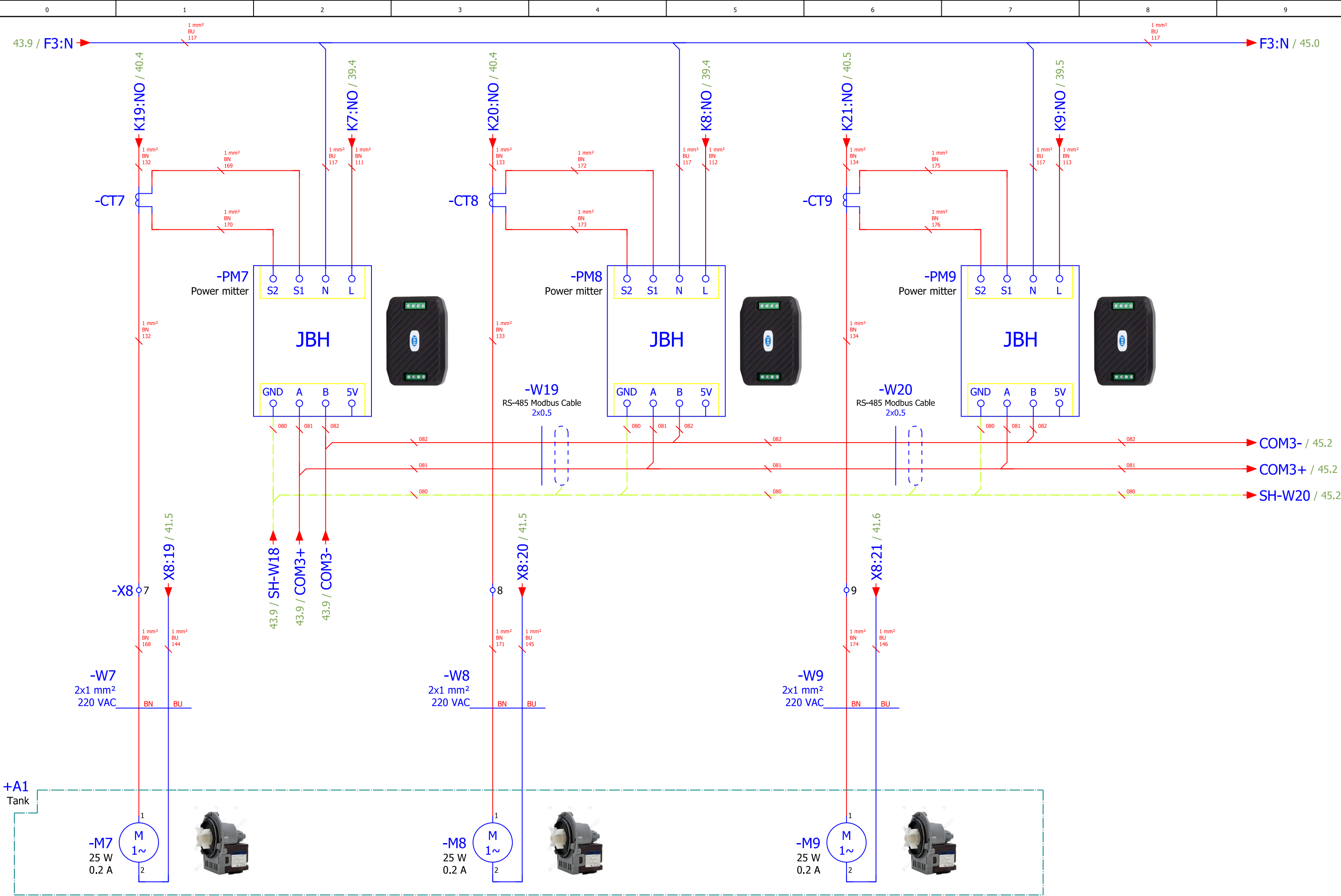
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DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 43 of 93
CHECKED BY			JOB NUMBER		EMAIL			Mounting location :	Previous page : 40
APPROVED BY			JOB NUMBER		EMAIL				Next page : 42



DRWN.NO	002	DRAWING TITLE				EMPLOYER :	PREPARED :	Higher - level function :	Page name : PM 1~3
DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 44 of 93
CHECKED BY			JOB NUMBER		EMAIL				Previous page : 41
APPROVED BY			JOB NUMBER		EMAIL			Mounting location :	Next page : 43



DRWN.NO	002	DRAWING TITLE				EMPLOYER :	PREPARED :	Higher - level function :	Page name : PM 4~6
DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 45 of 93
CHECKED BY			JOB NUMBER		EMAIL				Previous page : 42
APPROVED BY			JOB NUMBER		EMAIL			Mounting location :	Next page : 44



DRWN.NO	002	DRAWING TITLE				EMPLOYER :	PREPARED :	Higher - level function :	Page name : PM 7~9
DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 46 of 93
CHECKED BY			JOB NUMBER		EMAIL				Previous page : 43
APPROVED BY			JOB NUMBER		EMAIL			Mounting location :	Next page : 45

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DEVICE TAG LIST										
DRWN.NO	002	DRAWING TITLE					EMPLOYER :	PREPARED :	Higher - level function :	Page name : Cover sheet
DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL				Page number : 48 of 93	
CHECKED BY			JOB NUMBER		EMAIL				Previous page : 45	
APPROVED BY			JOB NUMBER		EMAIL				Next page : 47	
			JOB NUMBER		EMAIL		Mounting location :			

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-10 PXC.3022218 3022218			
-11 PXC.3022218 3022218			
-12 PXC.3022218 3022218			
-13 PXC.3022218 3022218			
-14 PXC.3022218 3022218			
-15 PXC.3022218 3022218			
-16 PXC.3022218 3022218			
-17 PXC.3022218 3022218			

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-U1			
-U2			
-U3			
-U4			
-U5			
-U6			
-U8	KK4025		Cable duct 40x25
-U9	KK4025		Cable duct 40x25
-U10	KK4025		Cable duct 40x25

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Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-U11 KK4025	Cable duct 40x25		
-U12 TS 35_10	Mounting rail EN 50 022 (35x10)		
-U13 RIT.2366000 SZ.2366000	SZ Rail mounting bracket, tilted		
-U14 RIT.2366000 SZ.2366000	SZ Rail mounting bracket, tilted		
-U15 TS 35_7,5	Mounting rail EN 50 022 (35x7,5)		
-U16 KK4025	Cable duct 40x25		
-U17 TS 35_10	Mounting rail EN 50 022 (35x10)		
-U18 KK4025	Cable duct 40x25		
-U19 KK4025	Cable duct 40x25		

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-U20 KK4025	Cable duct 40x25		
-U21 RIT.2366000 SZ.2366000	SZ Rail mounting bracket, tilted		
-U22 KK2020	Cable duct 20x20		
-U23 KK2020	Cable duct 20x20		
-U24 KK2020	Cable duct 20x20		
-U25 KK2020	Cable duct 20x20		
-U26 KK2020	Cable duct 20x20		
-U27 KK2020	Cable duct 20x20		
-U28 KK2020	Cable duct 20x20		

DRWN.NO	002	DRAWING TITLE					EMPLOYER :	PREPARED :	Higher - level function :	Page name : Device tag list
DRAWING	HosseinAli Khoshayand			JOB NUMBER		EMAIL				
CHECKED BY				JOB NUMBER		EMAIL				Previous page : 47
APPROVED BY				JOB NUMBER		EMAIL				Next page : 49

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-U29 KK4040	Cable duct 40x40		
-U30 KK4040	Cable duct 40x40		
-U31 KK4040	Cable duct 40x40		
-U32 KK4040	Cable duct 40x40		
-U33 KK4040	Cable duct 40x40		
-U34 KK4040	Cable duct 40x40		
-U35 KK4040	Cable duct 40x40		
-U36 KK2020	Cable duct 20x20		
DEL.DVP12SE11R DVP12SE11R	DVP Slim Series CPUs		

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer		
SIE.5SL6510-6 5SL6510-6	SENTRON Miniature circuit breaker		
SIE.5SL6506-6 5SL6506-6	SENTRON Miniature circuit breaker		
SIE.5SL6506-6 5SL6506-6	SENTRON Miniature circuit breaker		
DEL.DOP-107EV,107CV,107IV	DEL.DOP-107EV,107CV,107IV		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		

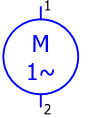
Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
PXC.2966016 2966016	PLC-BSC- 24DC/21 - Relay base		
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			

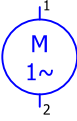
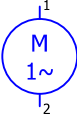
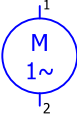
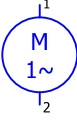
Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
JBH.POWER METTER			
DEL.DRL-24V120W1EN DRL-24V120W1EN	power supply,Input:90~264Vac,Output: 24V/5A		
SE.A9D31610	RCBO		
SIE.8MR2170-2BB 8MR2170-2BB			
SIE.3SU1100-1HB20-1CG0 3SU1100-1HB20-1CG0	EM. STOP MUSHROOM PUSHBUTTON, 40MM, RED		
DEL.DVP16SP11R DVP16SP11R	Digital I/O Modules		

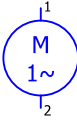
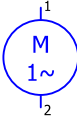
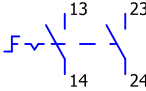
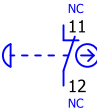
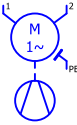
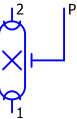
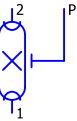
Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
DEL.DVP16SP11R DVP16SP11R	Digital I/O Modules		
PXC.1176299	Feed-through terminal block,BN		
PXC.1176299	Feed-through terminal block,BN		
PXC.1176299	Feed-through terminal block,BN		
PXC.3209510	Feed-through terminal block,GY		
PXC.3036550 ST 4-HESILED 60 (5X20)	Fuse terminal block		
PXC.3209512	Feed-through terminal block,RD		
PXC.3209513	Feed-through terminal block,GN		
PXC.3209523	Feed-through terminal block,BU		

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
RIT.2506100 SZ.2506100	SZ Socket for mounting on support rails, Schuko, CEE 7/4		
SIE.3SU1051-6AA40-0AA0 3SU1051-6AA40-0AA0	INDICATOR LIGHT, GREEN		
KAVEH.A1601	Selector switch		
SIE.8MR2301-1C 8MR2301-1C			
OMR.Z-15GW2255 Z-15GW2255			
RIT.7980100 DK.7980100	Fan expansion kit		
+A1-H1 SIE.3SU1051-6AA20-0AA0 3SU1051-6AA20-0AA0	INDICATOR LIGHT, RED	/28.2	
+A1-H2 SIE.3SU1051-6AA40-0AA0 3SU1051-6AA40-0AA0	INDICATOR LIGHT, GREEN	/29.4	
+A1-M1		/42.1	

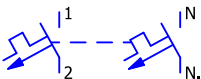
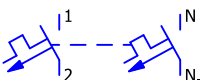
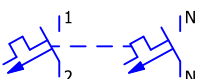
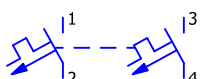
Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
+A1-M2		/42.3	
+A1-M3		/42.6	
+A1-M4		/43.1	
+A1-M5		/43.3	
+A1-M6		/43.6	
+A1-M7		/44.1	
+A1-M8		/44.3	
+A1-M9		/44.6	
+A1-M10		/45.1	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
+A1-M11		/45.3	
+A1-M12		/45.6	
+A1-S1 KAVEH.A1601	1 PH Selector switch	/28.1	
+A1-S3 SIE.3SU1100-1HB20-1CG0 3SU1100-1HB20-1CG0	EM. STOP MUSHROOM PUSHBUTTON, 40MM, RED	/34.2	
+A2-M1 RIT.7980100 DK.7980100	ventilator Fan expansion kit	/29.0	
+A3-H3 SIE.8MR2301-1C 8MR2301-1C		/29.7	
+A3-H4 SIE.8MR2301-1C 8MR2301-1C		/29.9	
-B1	Flow meter	/34.3	
-B1-Yellow		/34.3	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-Black		/34.3	
-CPU DEL.DVP12SE11R DVP12SE11R	DVP Slim Series CPUs	/34.2	
-CT1 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/42.1	
-CT2 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/42.3	
-CT3 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/42.6	
-CT4 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/43.1	
-CT5 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/43.3	
-CT6 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/43.6	
-CT7 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/44.1	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-CT8 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/44.3	
-CT9 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/44.6	
-CT10 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/45.1	
-CT11 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/45.3	
-CT12 PXC.2277019 PACT MCR-V1-21-44- 50-5A-1	Current transformer	/45.6	
-F1 SIE.5SL6510-6 5SL6510-6	MCB SENTRON Miniature circuit breaker	/29.4	
-F2 SIE.5SL6506-6 5SL6506-6	= SENTRON Miniature circuit breaker	/30.2	
-F3 SIE.5SL6506-6 5SL6506-6	= SENTRON Miniature circuit breaker	/39.4	
-F4 SIE.5SY7216-8 5SY7216-8	= SENTRON Miniature circuit breaker	/40.2	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-HMI DEL.DOP-107EV,107CV,107IV	 DEL.DOP-107EV,107CV,107IV	/33.2	
-K1 PXC.2966016 2966016	PLC relay PLC-BSC- 24DC/21 - Relay base	/35.1	
-K2 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/35.2	
-K3 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/35.3	
-K4 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/35.4	
-K5 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.2	
-K6 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.3	
-K7 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.4	
-K8 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.5	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-K9 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.6	
-K10 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.7	
-K11 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.8	
-K12 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/36.9	
-K13 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.2	
-K14 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.3	
-K15 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.4	
-K16 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.5	
-K17 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.6	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-K18 PXC.2966016 2966016	PLC relay PLC-BSC- 24DC/21 - Relay base	/37.7	
-K19 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.8	
-K20 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/37.9	
-K21 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/38.2	
-K22 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/38.3	
-K23 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/38.4	
-K24 PXC.2966016 2966016	= PLC-BSC- 24DC/21 - Relay base	/38.5	
-PM1 JBH.POWER METTER	Power mitter	/42.2	
-PM1-A		/42.2	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM1-B		/42.2	
-PM1-GND		/42.2	
-PM1-L		/42.2	
-PM1-N		/42.2	
-PM1-S1		/42.2	
-PM1-S2		/42.2	
-PM1-5V		/42.2	
-PM2 JBH.POWER METTER	Power mitter	/42.4	
-PM2-A		/42.4	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM2-B	Power mitter	/42.5	
-PM2-GND		/42.4	
-PM2-L		/42.5	
-PM2-N		/42.5	
-PM2-S1		/42.4	
-PM2-S2		/42.4	
-PM2-5V		/42.5	
-PM3 JBH.POWER METTER		/42.7	
-PM3-A		/42.7	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM3-B	Power mitter	/42.7	
-PM3-GND		/42.7	
-PM3-L		/42.7	
-PM3-N		/42.7	
-PM3-S1		/42.7	
-PM3-S2		/42.7	
-PM3-5V		/42.7	
-PM4 JBH.POWER METTER		/43.2	
-PM4-A		/43.2	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM4-B		/43.2	
-PM4-GND		/43.2	
-PM4-L		/43.2	
-PM4-N		/43.2	
-PM4-S1		/43.2	
-PM4-S2		/43.2	
-PM4-5V		/43.2	
-PM5 JBH.POWER METTER	Power mitter	/43.4	
-PM5-A		/43.4	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM5-B		/43.5	
-PM5-GND		/43.4	
-PM5-L		/43.5	
-PM5-N		/43.5	
-PM5-S1		/43.4	
-PM5-S2		/43.4	
-PM5-5V		/43.5	
-PM6 JBH.POWER METTER	Power mitter	/43.7	
-PM6-A		/43.7	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM6-B	Power mitter	/43.7	
-PM6-GND		/43.7	
-PM6-L		/43.7	
-PM6-N		/43.7	
-PM6-S1		/43.7	
-PM6-S2		/43.7	
-PM6-5V		/43.7	
-PM7 JBH.POWER METTER		/44.2	
-PM7-A		/44.2	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM7-B	Power mitter	/44.2	
-PM7-GND		/44.2	
-PM7-L		/44.2	
-PM7-N		/44.2	
-PM7-S1		/44.2	
-PM7-S2		/44.2	
-PM7-5V		/44.2	
-PM8 JBH.POWER METTER		/44.4	
-PM8-A		/44.4	

Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM8-B	Power mitter	/44.5	
-PM8-GND		/44.4	
-PM8-L		/44.5	
-PM8-N		/44.5	
-PM8-S1		/44.4	
-PM8-S2		/44.4	
-PM8-5V		/44.5	
-PM9 JBH.POWER METTER		/44.7	
-PM9-A		/44.7	

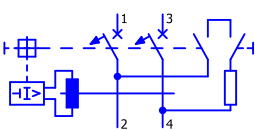
Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM9-B	Power mitter	/44.7	
-PM9-GND		/44.7	
-PM9-L		/44.7	
-PM9-N		/44.7	
-PM9-S1		/44.7	
-PM9-S2		/44.7	
-PM9-5V		/44.7	
-PM10 JBH.POWER METTER		/45.2	
-PM10-A		/45.2	

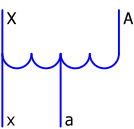
Device tag list

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM10-B	Power mitter	/45.2	
-PM10-GND		/45.2	
-PM10-L		/45.2	
-PM10-N		/45.2	
-PM10-S1		/45.2	
-PM10-S2		/45.2	
-PM10-5V		/45.2	
-PM11 JBH.POWER METTER		/45.4	
-PM11-A		/45.4	

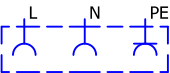
Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM11-B	Power mitter	/45.5	
-PM11-GND		/45.4	
-PM11-L		/45.5	
-PM11-N		/45.5	
-PM11-S1		/45.4	
-PM11-S2		/45.4	
-PM11-5V		/45.5	
-PM12 JBH.POWER METTER		/45.7	
-PM12-A		/45.7	

Device tag list

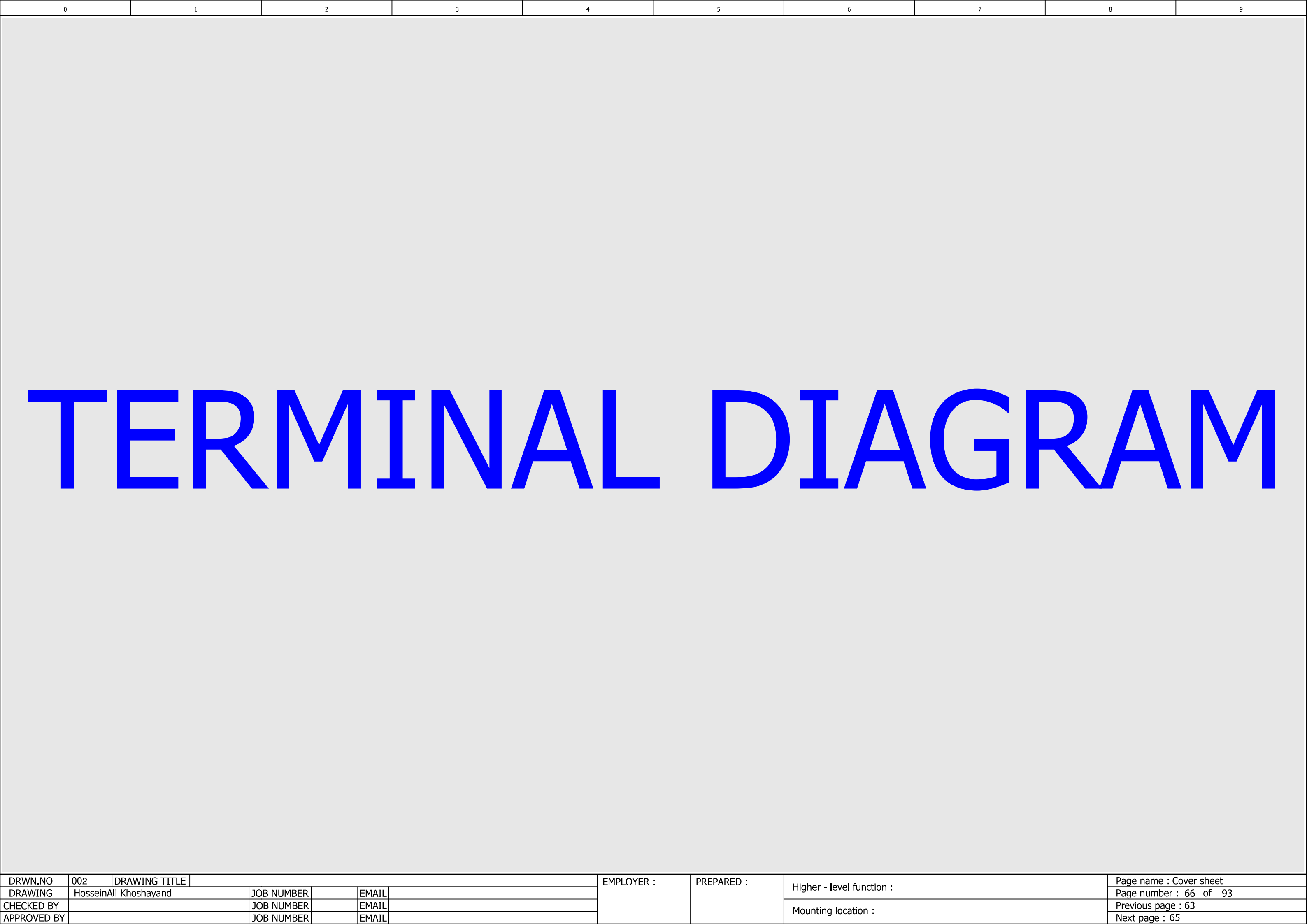
Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-PM12-B		/45.7	
-PM12-GND		/45.7	
-PM12-L		/45.7	
-PM12-N		/45.7	
-PM12-S1		/45.7	
-PM12-S2		/45.7	
-PM12-5V		/45.7	
-PS DEL.DRL-24V120W1EN DRL-24V120W1EN	Power supply power supply,Input:90~264Vac,Output: 24V/5A	/30.5	
-Q1 SE.A9D31610	RCBO RCBO	/28.5	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-R1	Terminator	/35.5	
-R2	=	/45.8	
-Red		/34.3	
-S2 SIE.8MR2170-2BB 8MR2170-2BB	Thermostat	/29.0	
-SM1 DEL.DVP16SP11R DVP16SP11R	DVP-16SP Digital I/O Modules	/36.2	
-SM2 DEL.DVP16SP11R DVP16SP11R	= Digital I/O Modules	/37.2	
-SM3 DEL.DVP-08SN	DVP-08SN Digital output	/38.2	
-T1 OMEGA	2Kva	/40.3	
-X1 PXC.1176299	Feed-through terminal block,BN	/28.1	

Device tag list

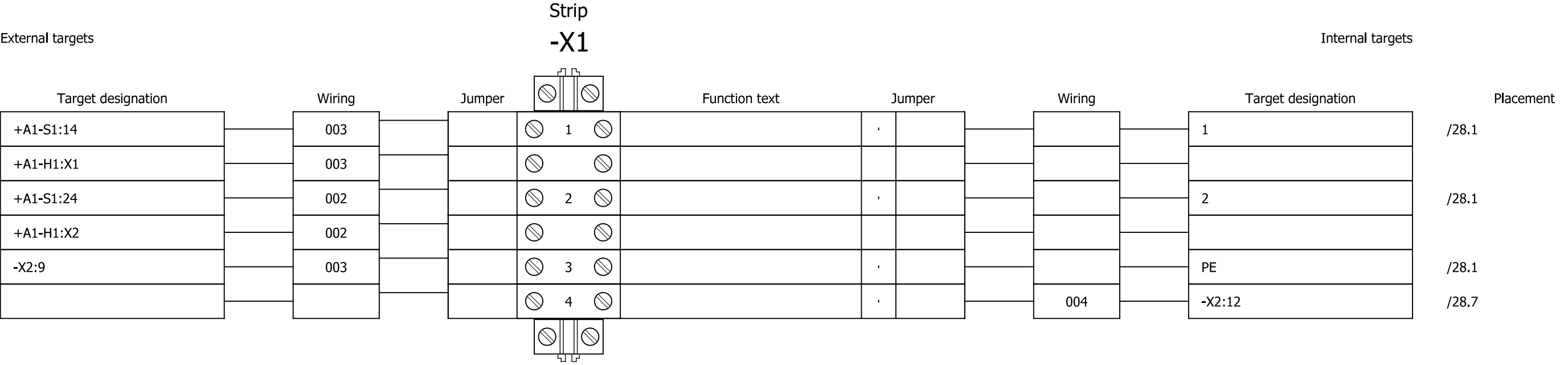
Device tag Part number Type number	Function text Article designation	X-Ref	Symbol
-X2 PXC.1176299	 Feed-through terminal block,BN	/28.4	
-X3 PXC.1176299	 Feed-through terminal block,BN	/29.3	
-X4 PXC.1176299	 Feed-through terminal block,BN	/40.2	
-X5 PXC.1176299	 Feed-through terminal block,BN	/40.4	
-X6 PXC.3209512	 Feed-through terminal block,RD	/31.1	
-X7 PXC.3209513	 Feed-through terminal block,GN	/32.1	
-X8 PXC.3209523	 Feed-through terminal block,BU	/41.3	
-X9 RIT.2506100 SZ.2506100	 SZ Socket for mounting on support rails, Schuko, CEE 7/4	/29.2	
-X10 PXC.3036550 ST 4-HESILED 60 (5X20)	 RFT5 Fuse terminal block	/30.5	

Device tag Part number Type number	Function text Article designation	X-Ref	Symbol

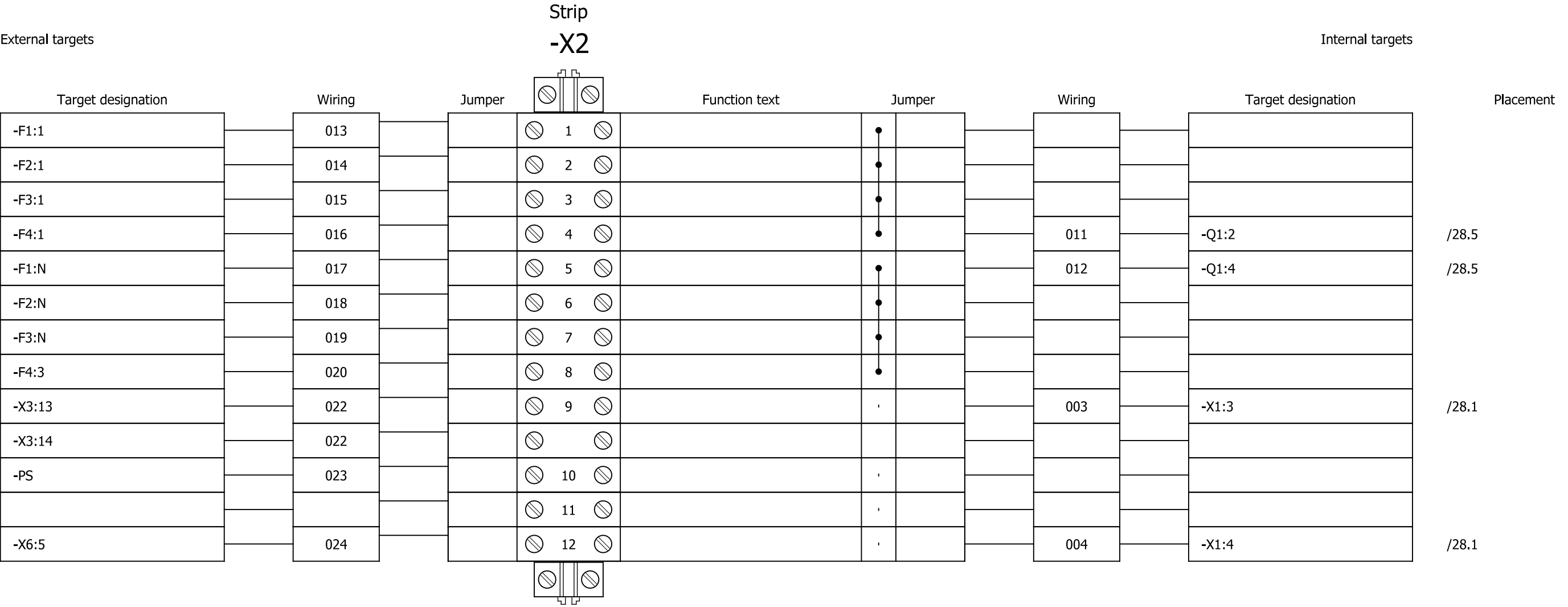


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DRAWING	HosseinAli Khoshayand		JOB NUMBER		EMAIL						Page number : 66 of 93
CHECKED BY			JOB NUMBER		EMAIL						Previous page : 63
APPROVED BY			JOB NUMBER		EMAIL				Mounting location :		Next page : 65

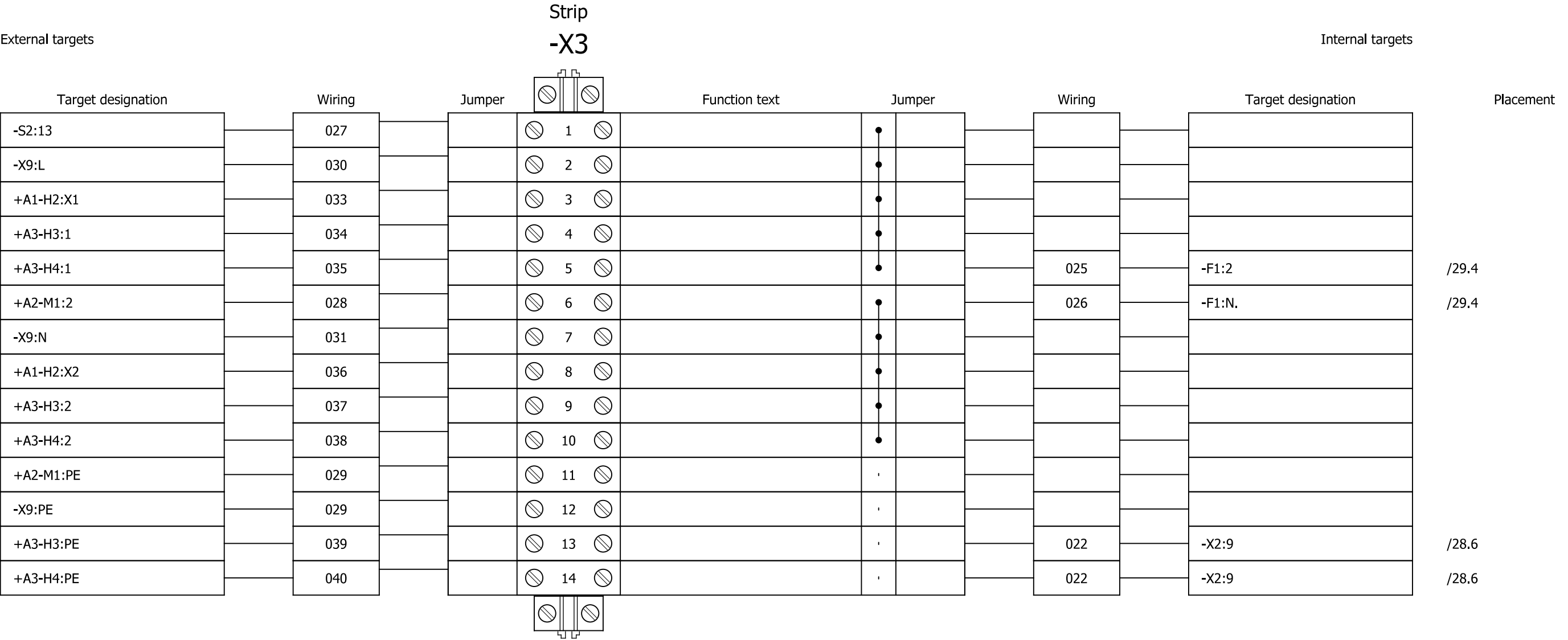
Terminal diagram



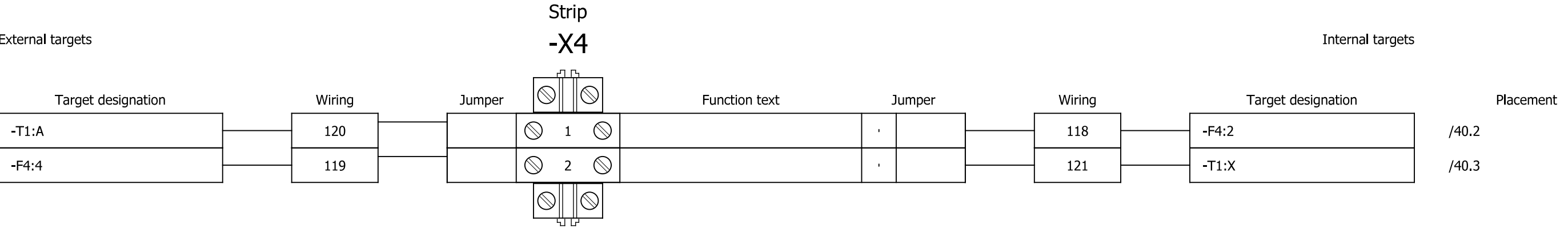
Terminal diagram



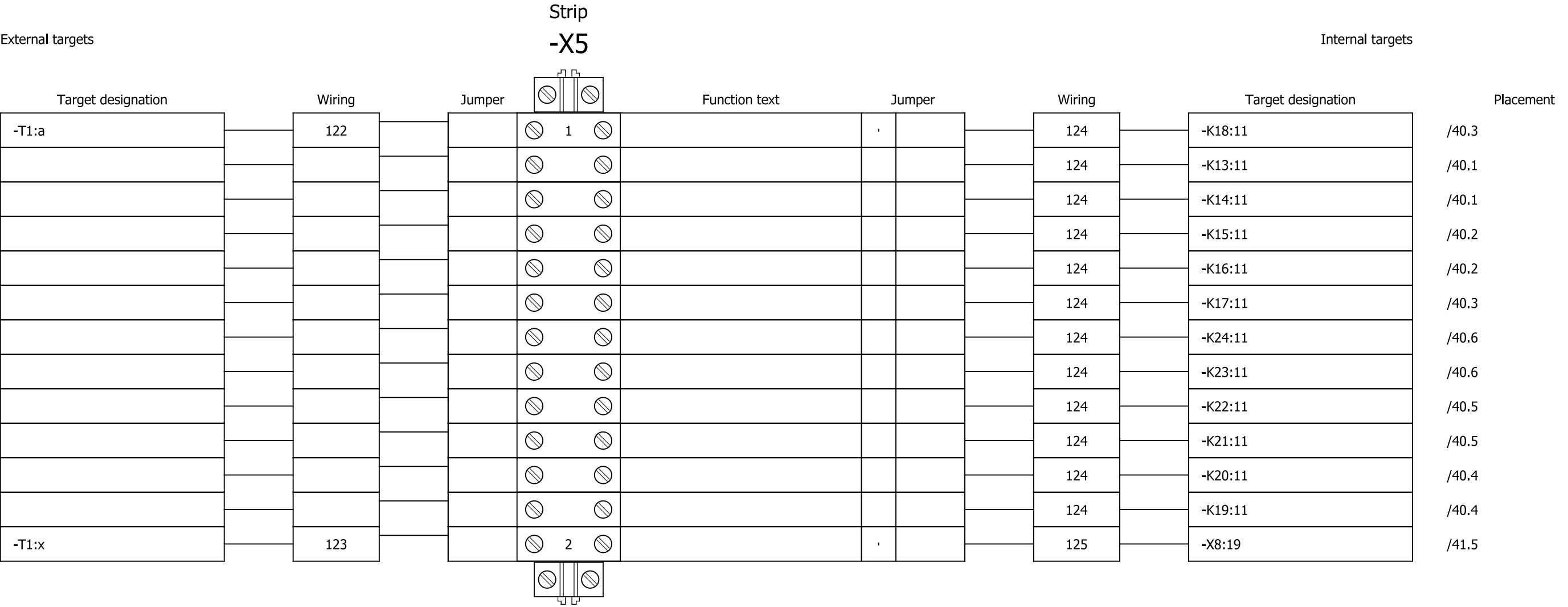
Terminal diagram



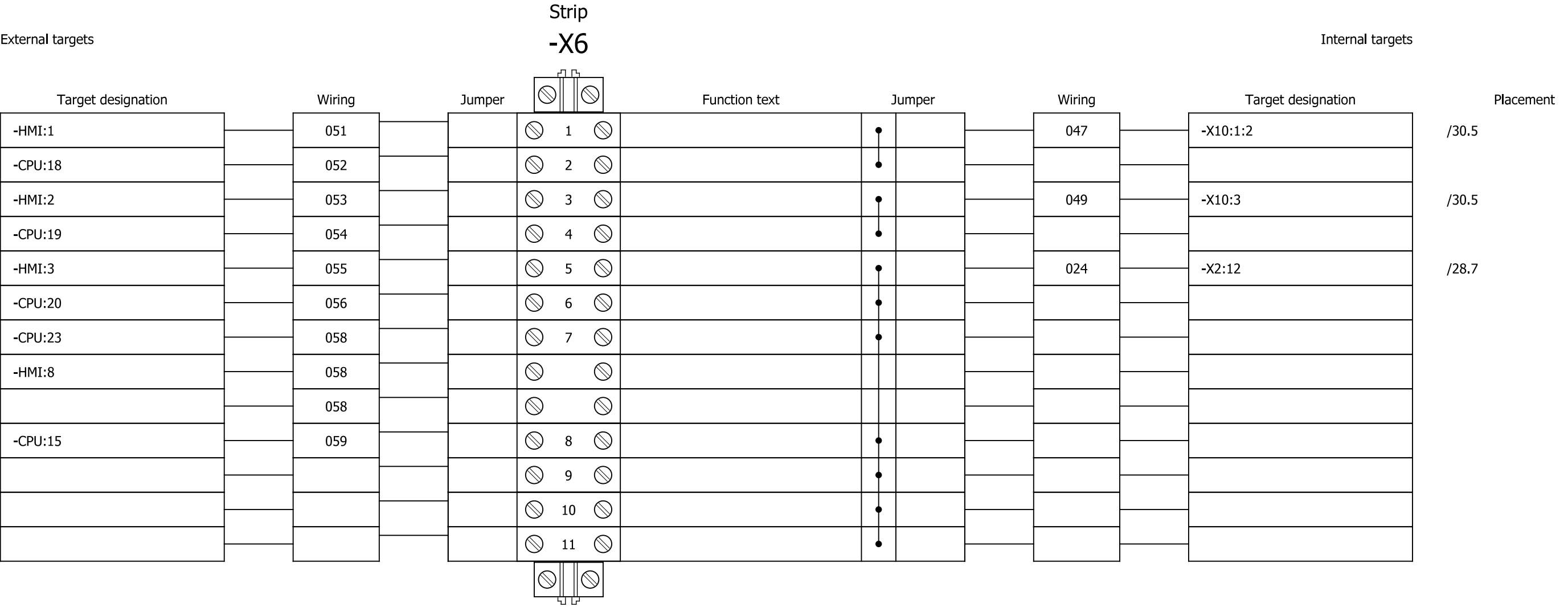
Terminal diagram



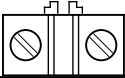
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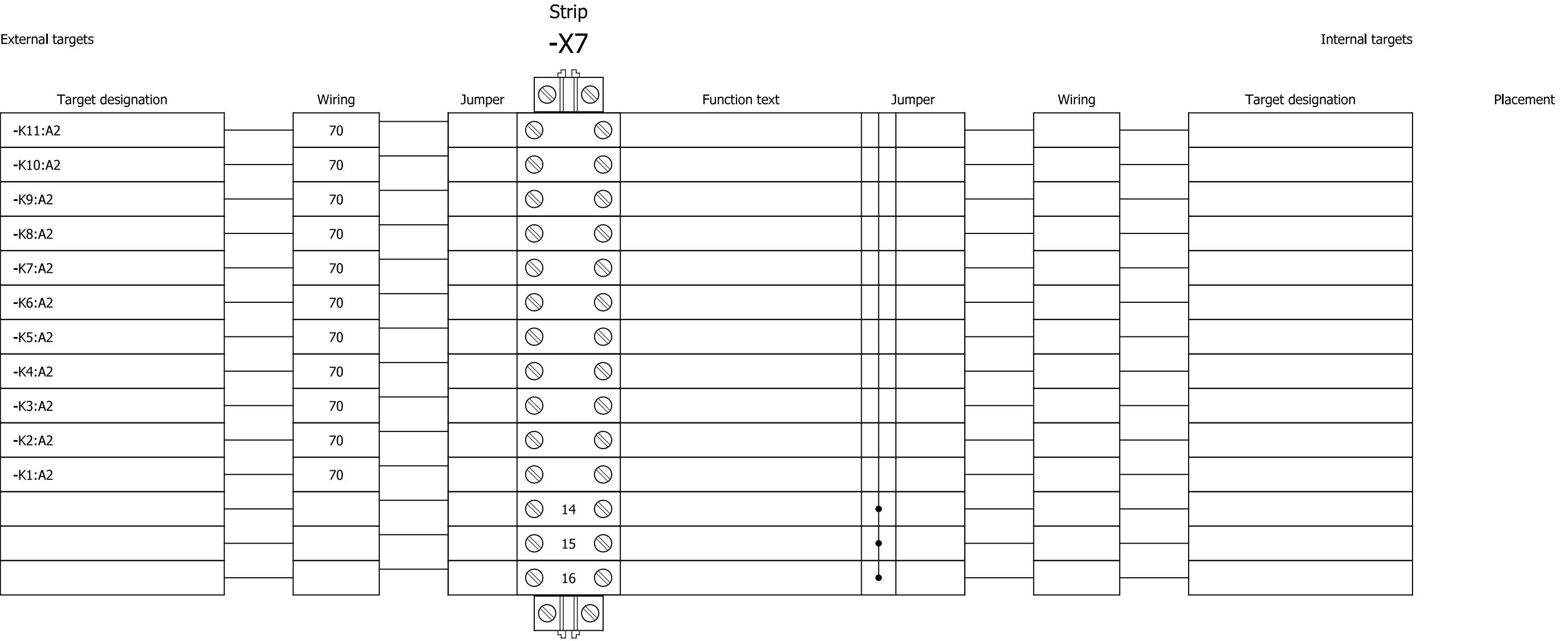
Terminal diagram



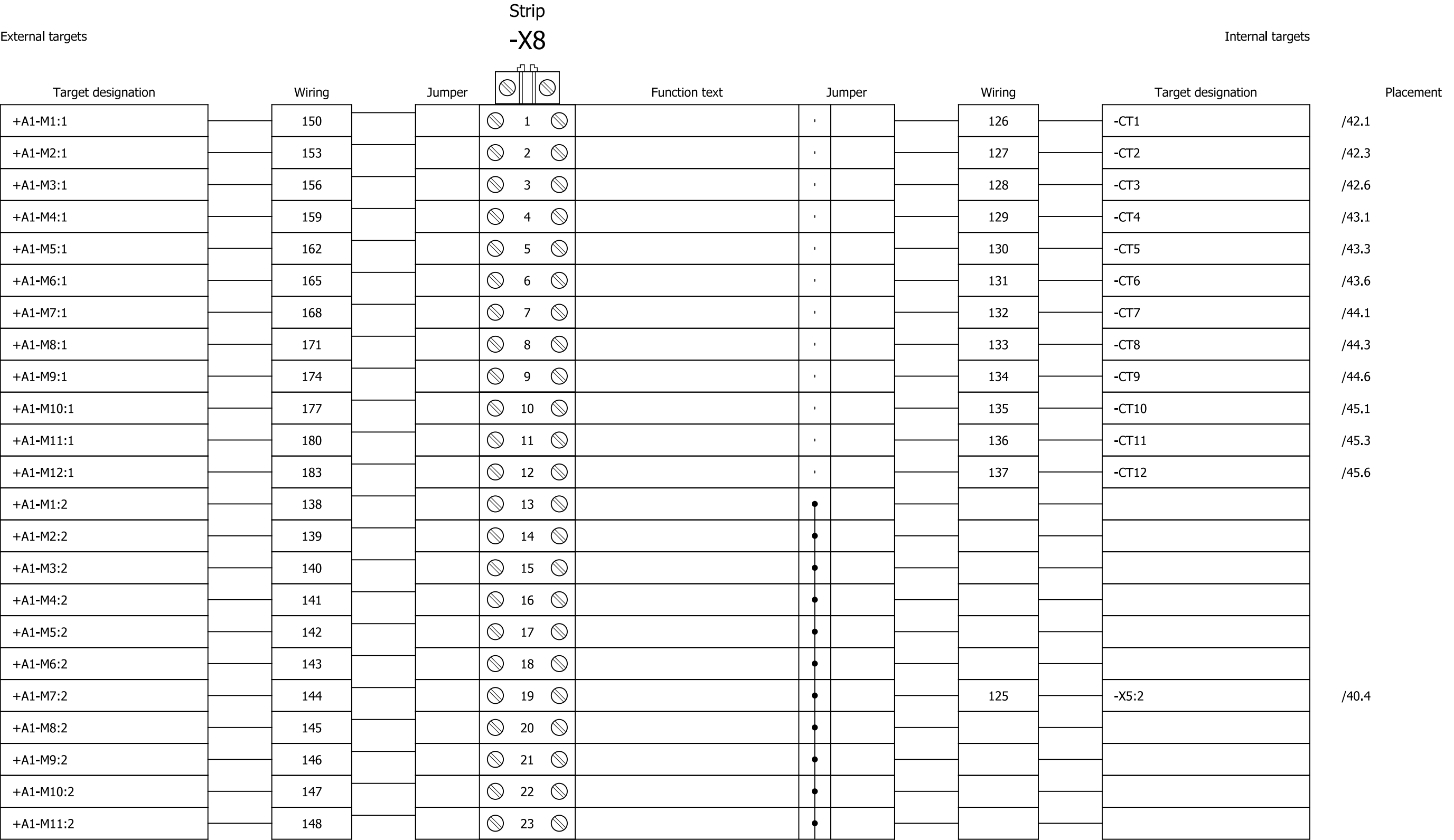
Terminal diagram

Strip									
External targets					Internal targets				
Target designation		Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-CPU:10		060		 1 					/30.5
-SM1:10		061		 2 					
-SM2:10		062		 3 					
-SM3:1		063		 4 					
+A1-S3:11		064		 5 			048	-X10:2	
-Red:1		065		 6 					
				 7 					
				 8 					
-CPU:1		066		 9 					/30.5
-SM1:1		067		 10 					
-SM2:1		068		 11 					
-Black:2		069		 12 					
-K24:A2		70		 13 			050	-X10:4	
-K23:A2		70		 					
-K22:A2		70		 					
-K21:A2		70		 					
-K20:A2		70		 					
-K19:A2		70		 					
-K18:A2		70		 					
-K17:A2		70		 					
-K16:A2		70		 					
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-K12:A2		70		 					

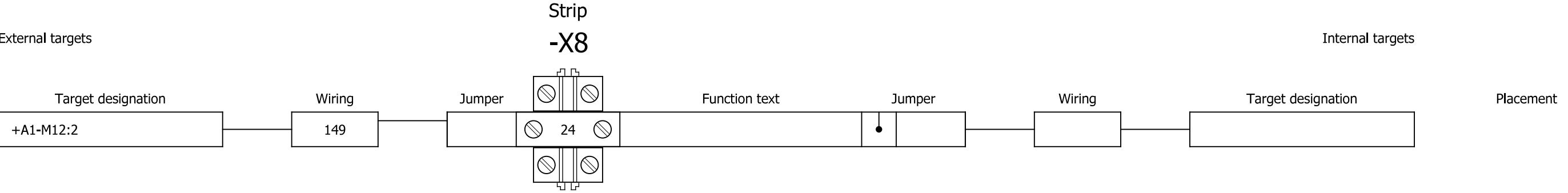
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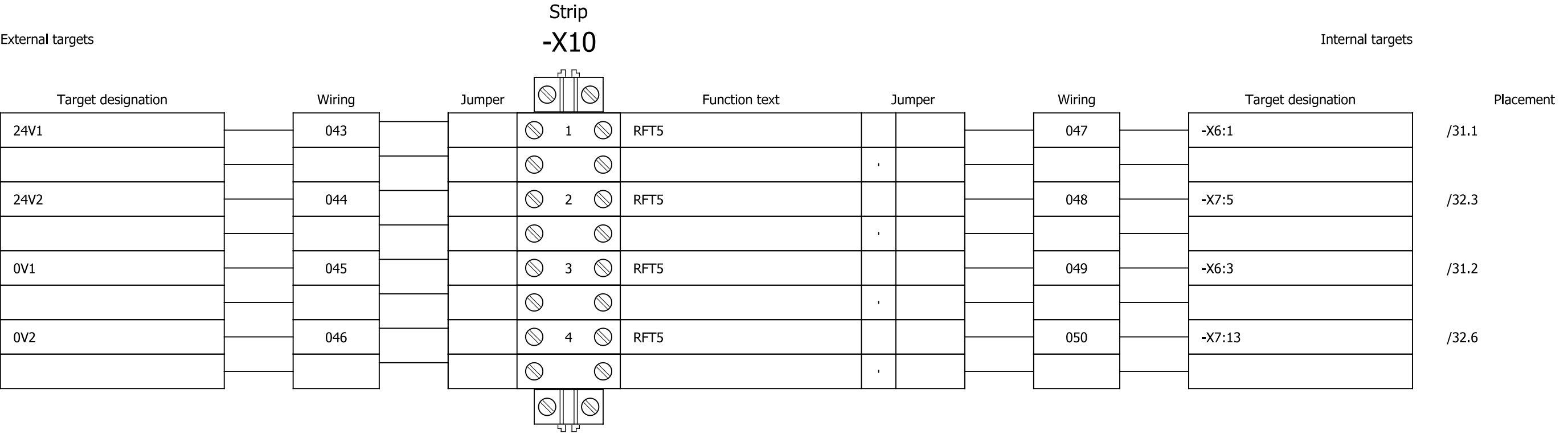
Terminal diagram



Terminal diagram

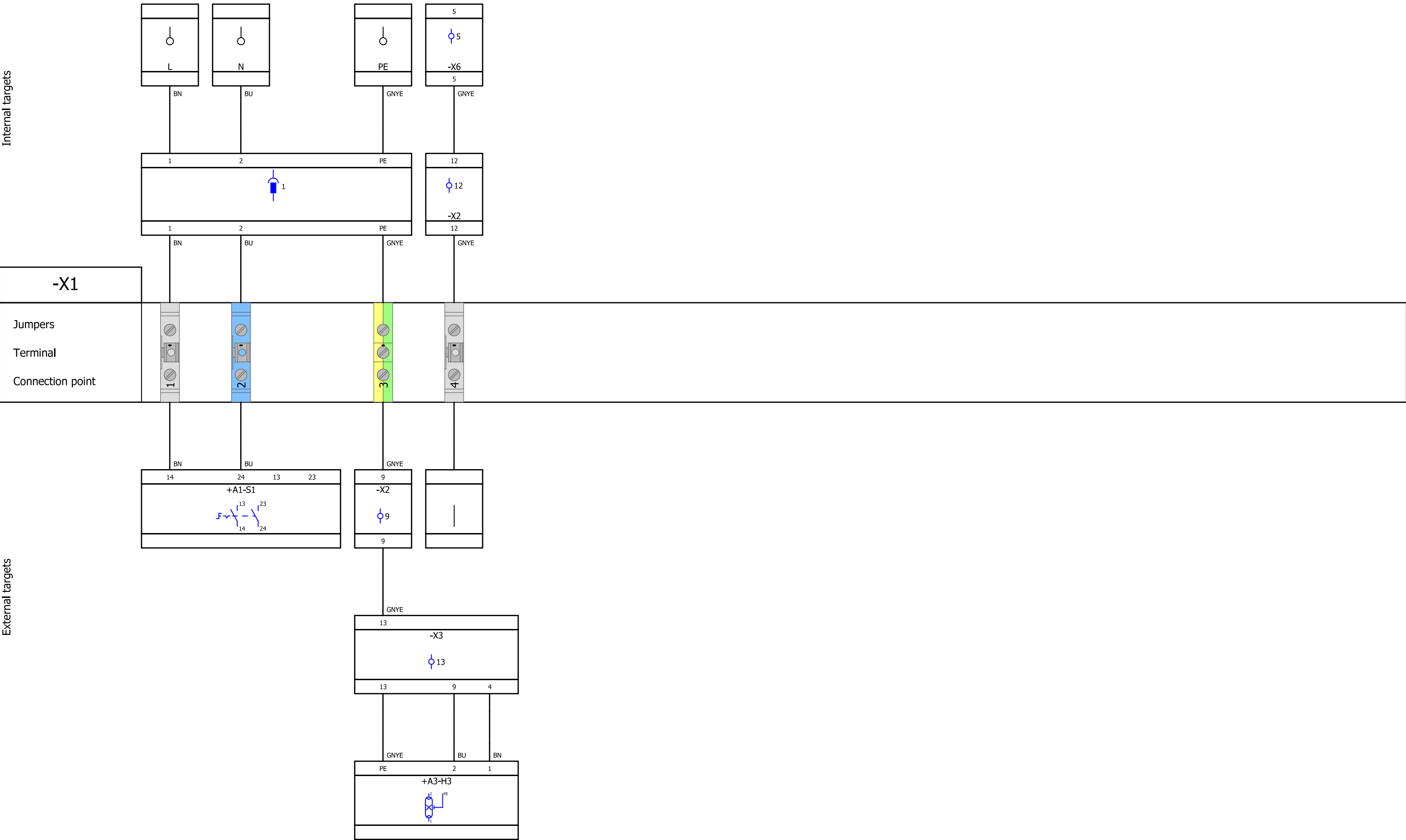


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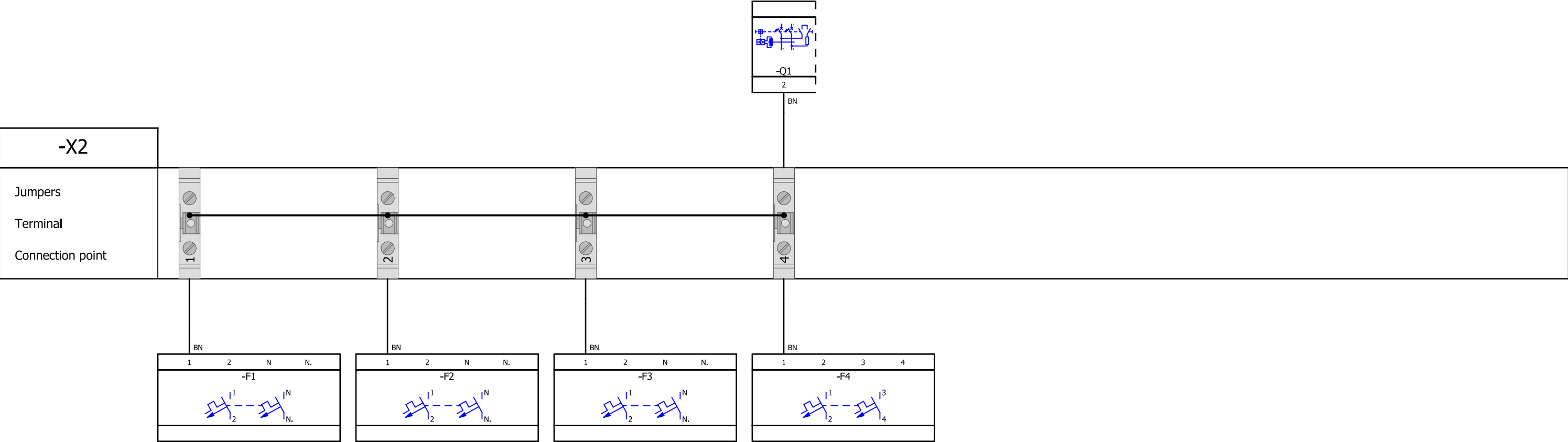
TERMINAL CONNECTION DIAGRAM

Terminal-connection diagram



Terminal-connection diagram

Internal targets

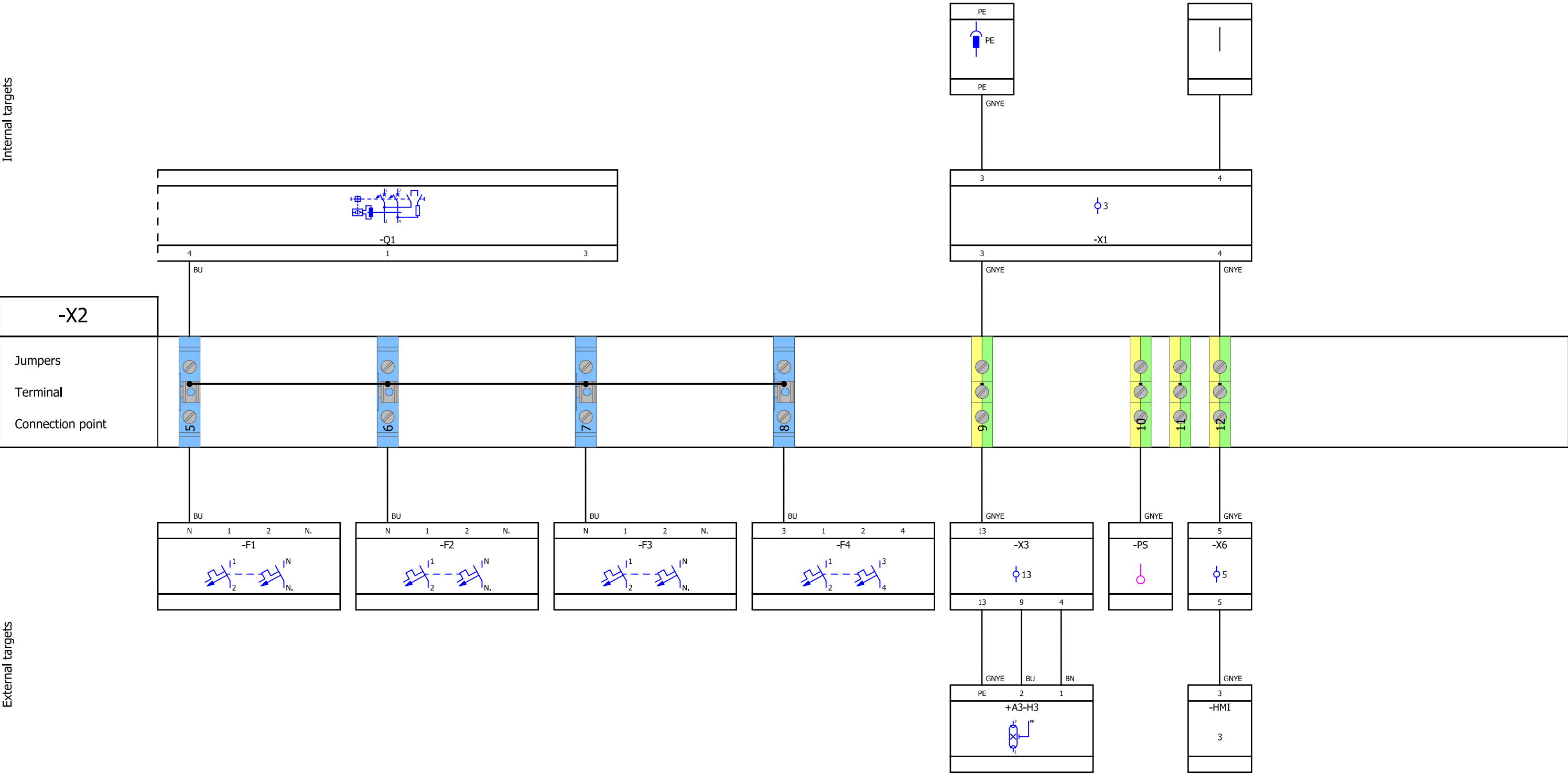


External targets

Terminal-connection diagram

Internal targets

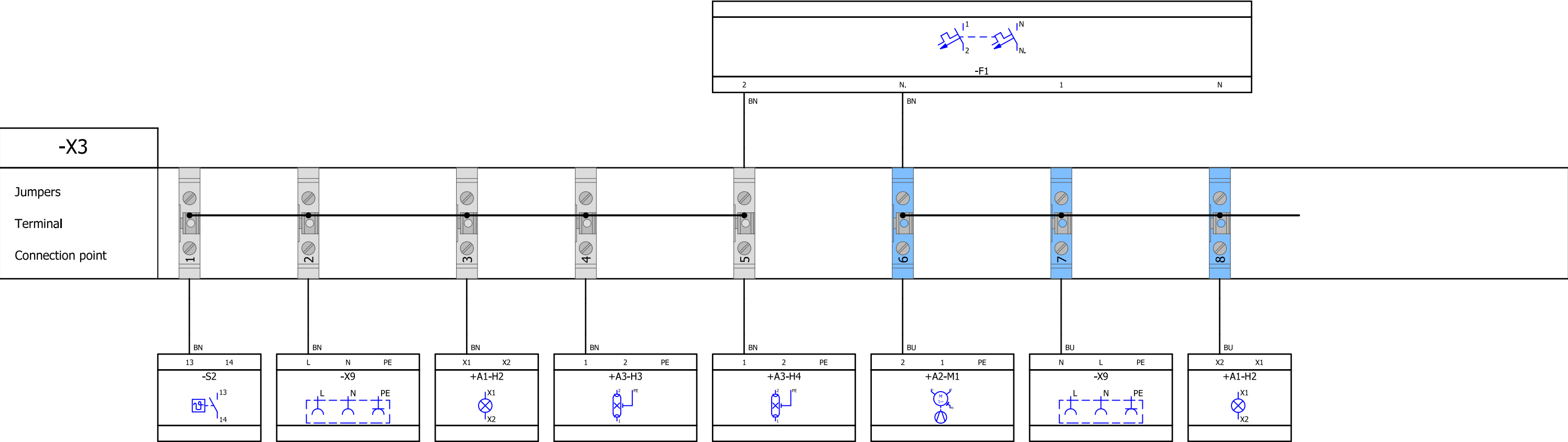
External targets



Terminal-connection diagram

Internal targets

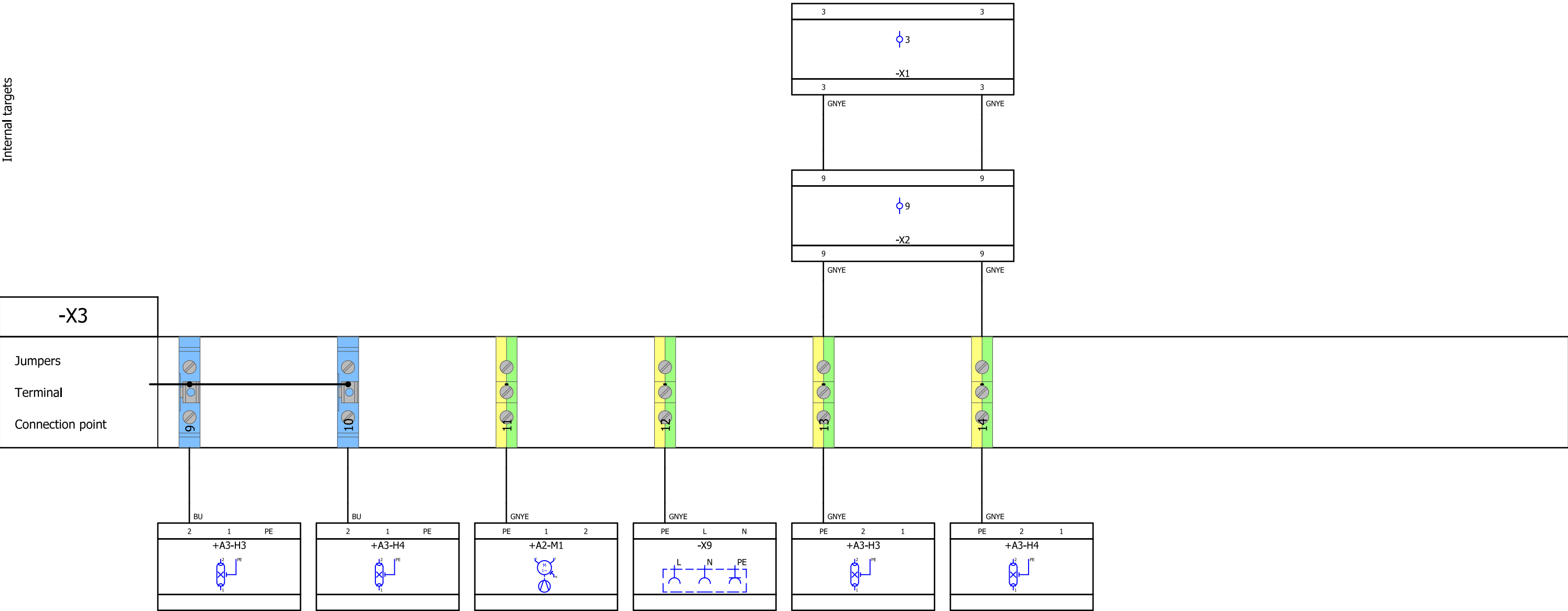
External targets



Terminal-connection diagram

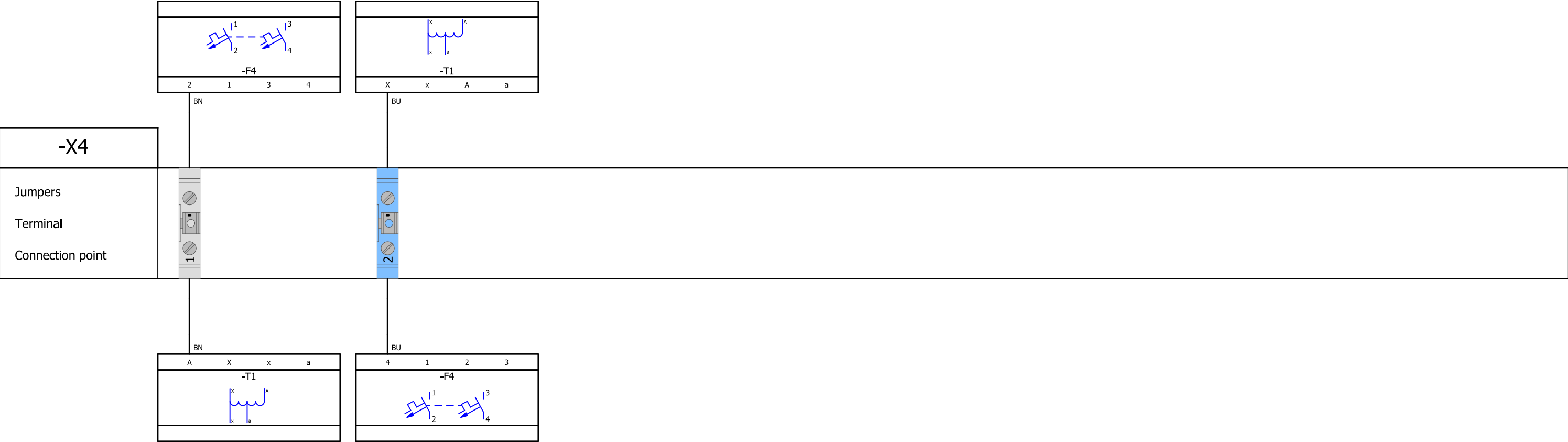
Internal targets

External targets



Terminal-connection diagram

Internal targets



External targets

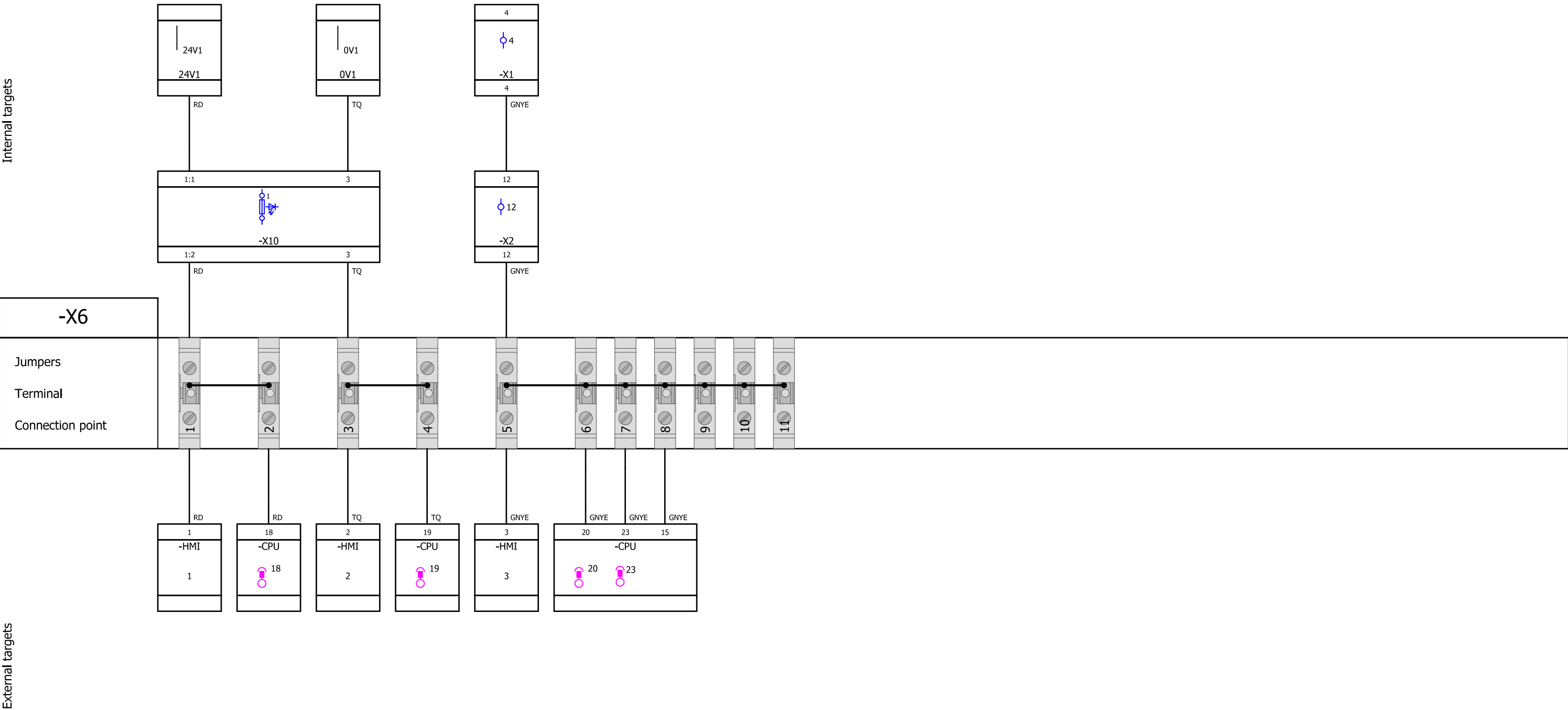
Terminal-connection diagram

Internal targets

External targets



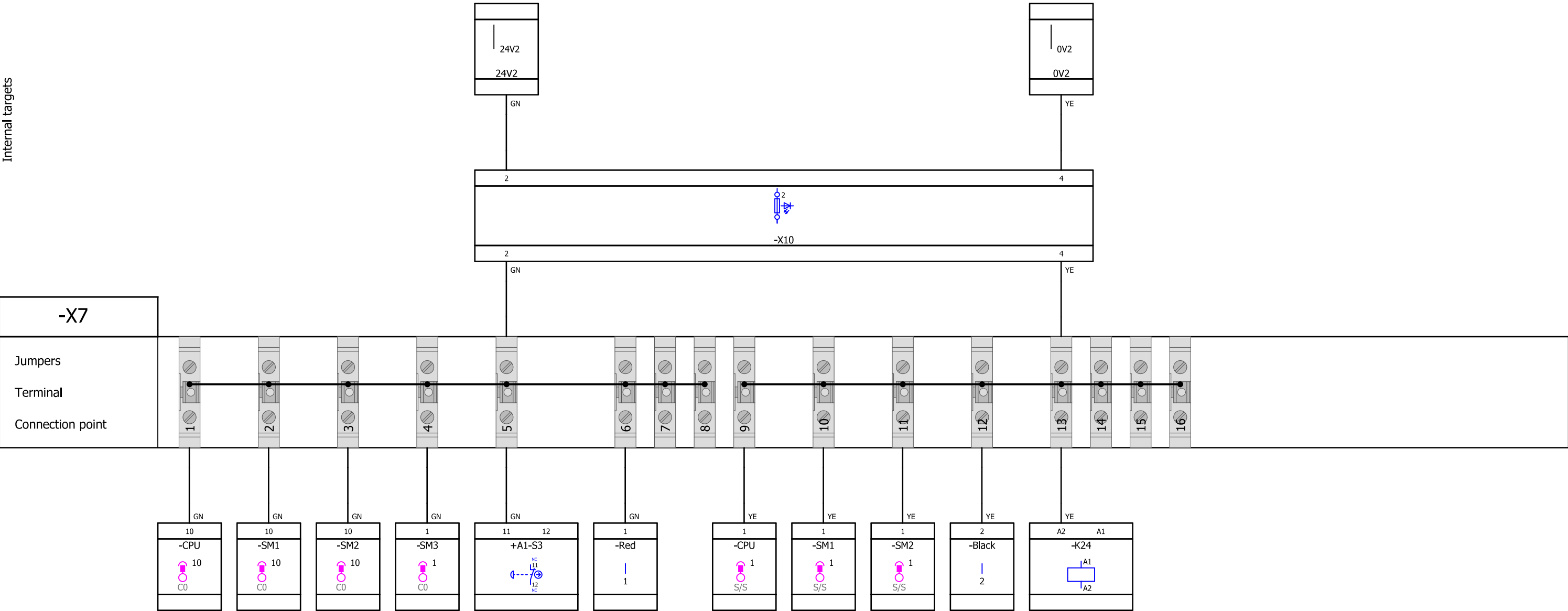
Terminal-connection diagram



Terminal-connection diagram

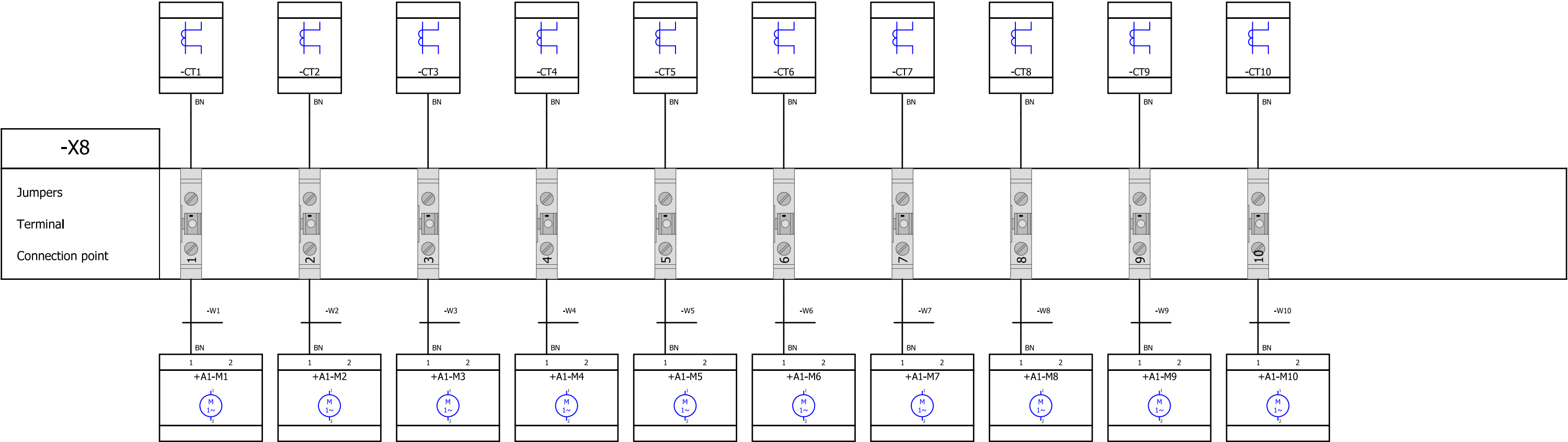
Internal targets

External targets



Terminal-connection diagram

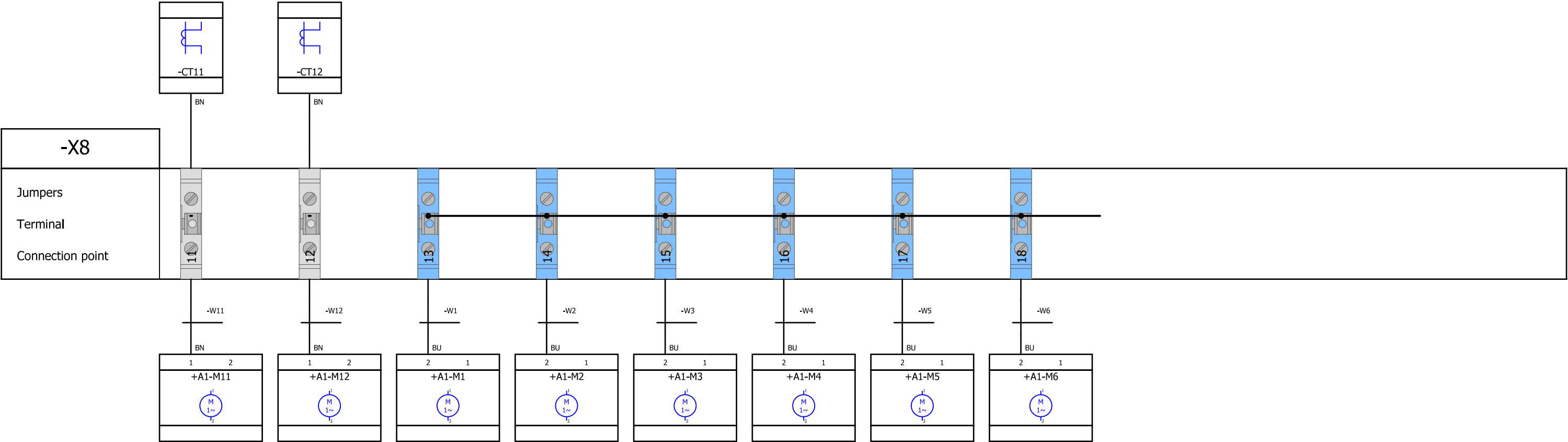
Internal targets



External targets

Terminal-connection diagram

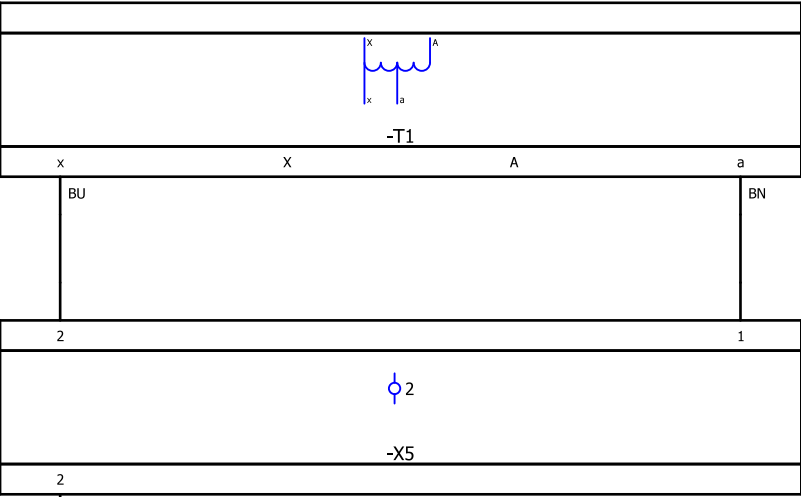
Internal targets



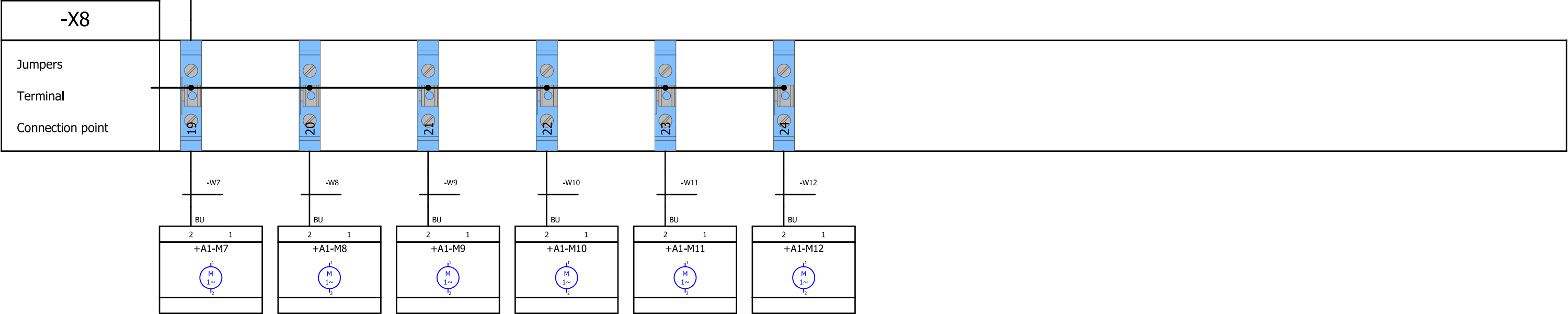
External targets

Terminal-connection diagram

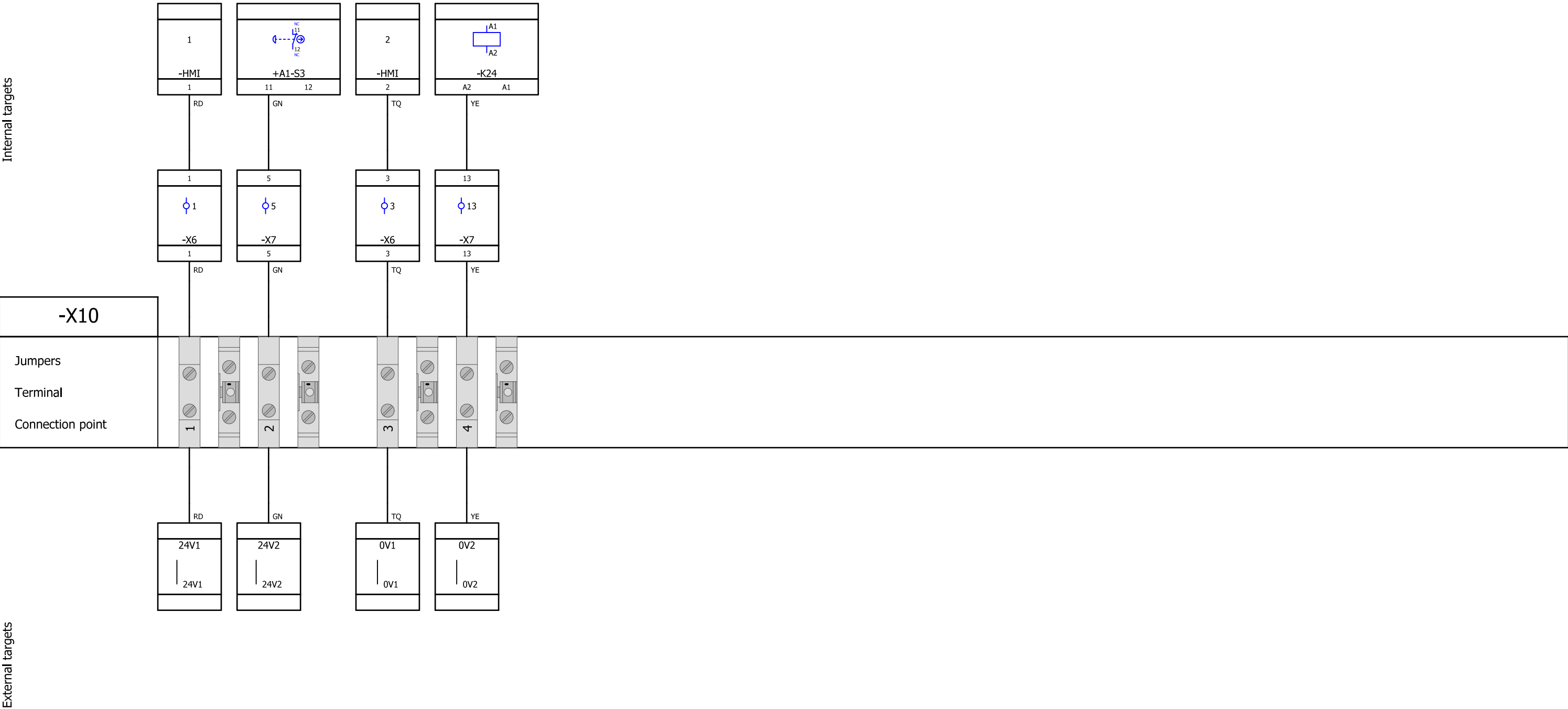
Internal targets



External targets



Terminal-connection diagram



TERMINAL STRIP OVERVIEW

0	1	2	3	4	5	6	7	8	9																																																																																					
Terminal-strip overview <table><tr><th rowspan="2">Terminal strip</th><th rowspan="2">Function text</th><th colspan="5">Terminals</th><th rowspan="2">Terminal diagram page</th></tr><tr><th>first</th><th>last</th><th>Total PE</th><th>Total N</th><th>Total number</th></tr><tr><td>-X1</td><td></td><td>1</td><td>4</td><td>1</td><td>1</td><td>4</td><td>65</td></tr><tr><td>-X2</td><td></td><td>1</td><td>12</td><td>4</td><td>4</td><td>12</td><td>66</td></tr><tr><td>-X3</td><td></td><td>1</td><td>14</td><td>4</td><td>5</td><td>14</td><td>67</td></tr><tr><td>-X4</td><td></td><td>1</td><td>2</td><td>0</td><td>1</td><td>2</td><td>68</td></tr><tr><td>-X5</td><td></td><td>1</td><td>2</td><td>0</td><td>0</td><td>2</td><td>69</td></tr><tr><td>-X6</td><td></td><td>1</td><td>11</td><td>0</td><td>0</td><td>11</td><td>70</td></tr><tr><td>-X7</td><td></td><td>1</td><td>16</td><td>0</td><td>0</td><td>16</td><td>71</td></tr><tr><td>-X8</td><td></td><td>1</td><td>24</td><td>0</td><td>12</td><td>24</td><td>73</td></tr><tr><td>-X10</td><td></td><td>1</td><td>4</td><td>0</td><td>0</td><td>8</td><td>75</td></tr></table>										Terminal strip	Function text	Terminals					Terminal diagram page	first	last	Total PE	Total N	Total number	-X1		1	4	1	1	4	65	-X2		1	12	4	4	12	66	-X3		1	14	4	5	14	67	-X4		1	2	0	1	2	68	-X5		1	2	0	0	2	69	-X6		1	11	0	0	11	70	-X7		1	16	0	0	16	71	-X8		1	24	0	12	24	73	-X10		1	4	0	0	8	75
Terminal strip	Function text	Terminals					Terminal diagram page																																																																																							
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-X3		1	14	4	5	14	67																																																																																							
-X4		1	2	0	1	2	68																																																																																							
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