

KETIPLA

Document book

0	03/06/2024	F.Marchini		
REV.	DATE	NAME	CHANGES	
				REVISION 0
			CONTRACT :	User data 1 User data 2 SCHEME 01

1-Document book

Drawing	Description	Function	Location	Revision	Date	Created by	Folder	Folder description
01	Cover page	=F1	+L1	0	03/06/2024	F.Marchini		
02	Drawings list	=F1	+L1	0	03/06/2024	F.Marchini		
27	Locations list 1/1	=F1	+L1	0	03/06/2024	F.Marchini		
05	Power IN & Power OUT	=F1	+L1	0	03/06/2024	F.Marchini		
06	Control Power OUT	=F1	+L1	0	03/06/2024	F.Marchini		
07	Control Poewr OUT	=F1	+L1	0	03/06/2024	F.Marchini		
08	Start & Stop	=F1	+L1	0	03/06/2024	F.Marchini		
09	DEDITEC	=F1	+L1	0	03/06/2024	F.Marchini		
10	16 Ch Switch	=F1	+L1	0	03/06/2024	F.Marchini		
15	Rack Air Ventilation	=F1	+L1	0	03/06/2024	F.Marchini		
16	List of wires by line style	=F1	+L1	0	03/06/2024	F.Marchini		
17	List of wires by line style	=F1	+L1	0	03/06/2024	F.Marchini		
24	List of wires by line style	=F1	+L1	0	03/06/2024	F.Marchini		
25	List of wires by line style	=F1	+L1	0	03/06/2024	F.Marchini		
20	X1-N(1/1)	=F1	+L1	0	03/06/2024	F.Marchini		
19	X2-L1(1/1)	=F1	+L1	0	03/06/2024	F.Marchini		
21	-PE Rack1--PE1	=F1	+L1	0	03/06/2024	F.Marchini		
22	-X4--X5-1	=F1	+L1	0	03/06/2024	F.Marchini		
23	X3-OVDC(1/1)	=F1	+L1	0	03/06/2024	F.Marchini		
26	Bill Of Materials grouped by manufacturer	=F1	+L1	0	03/06/2024	F.Marchini		
28	Bill Of Materials grouped by manufacturer	=F1	+L1	0	03/06/2024	F.Marchini		

SOLIDWORKS Electrical

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					02	
			User data 1	User data 2		

Location Mark	Description
+L1	Power BOX
+L2	RACK

Document book

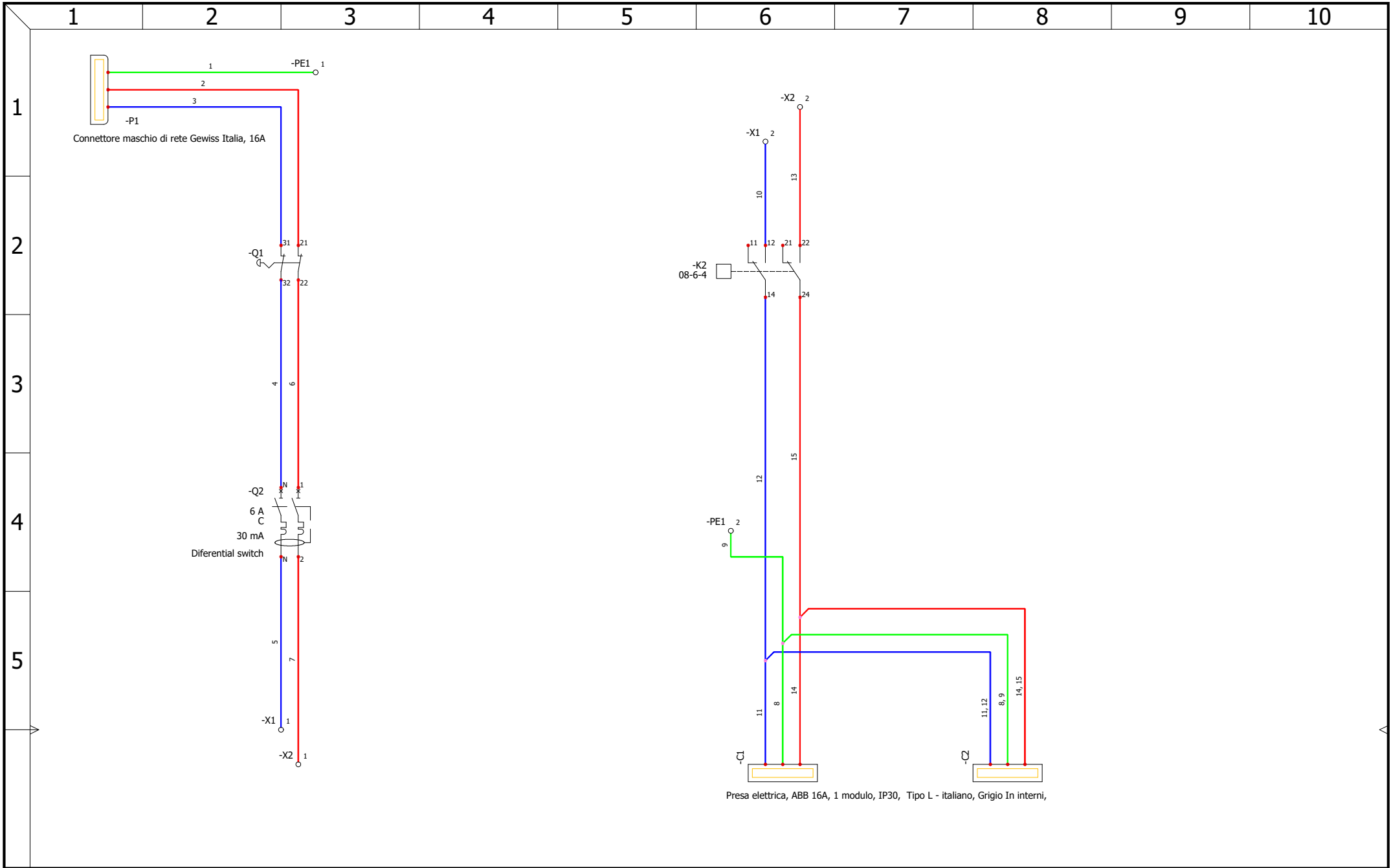
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0	03/06/2024	F.Marchini		
REV.	DATE	NAME	CHANGES	SCHEME
				27
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CONTRACT:

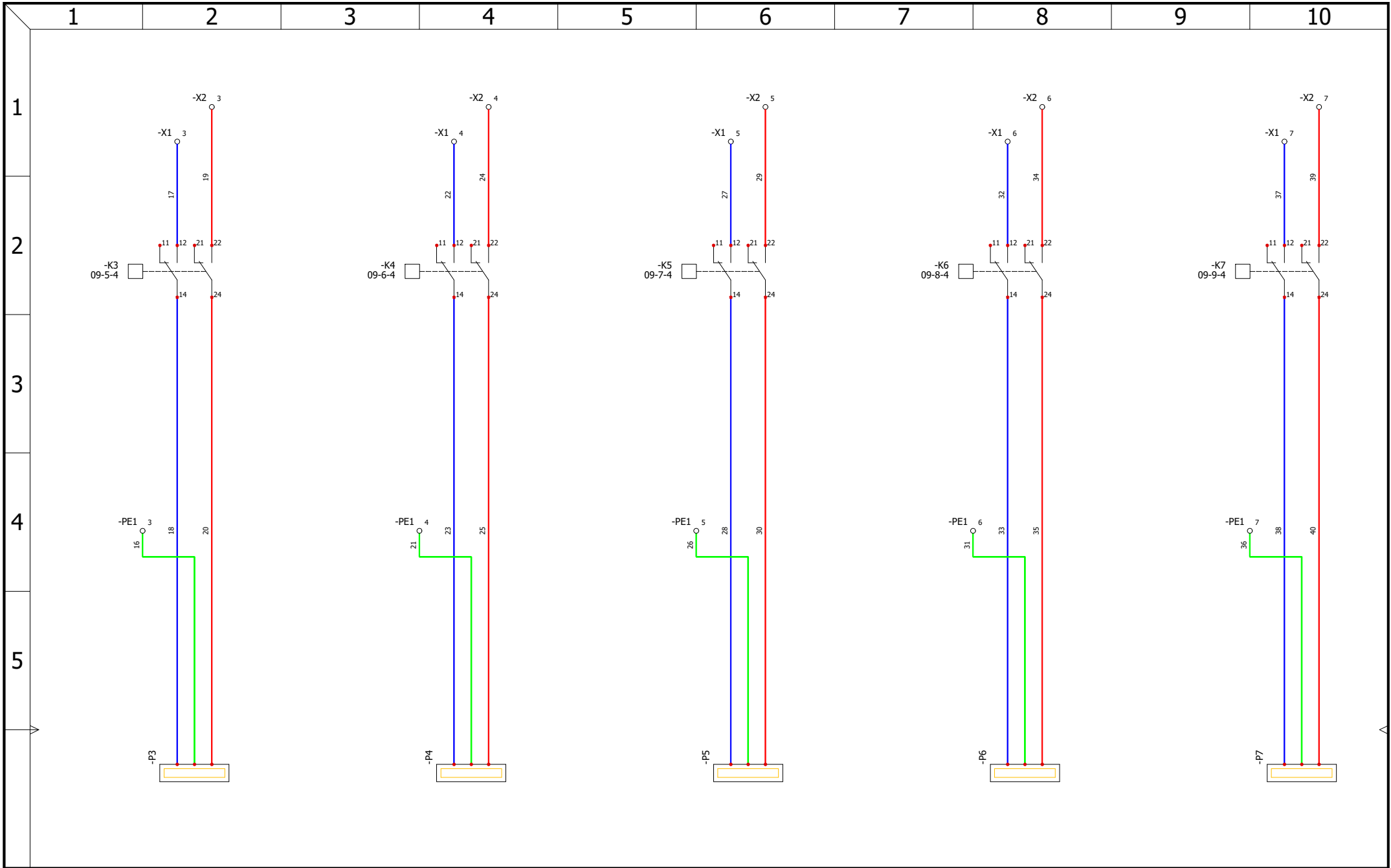
LOCATION:

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Power BOX



CONTRACT:		LOCATION: +L1		Power BOX		REVISION	
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REV.		DATE		NAME		CHANGES	
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User data 1						User data 2	
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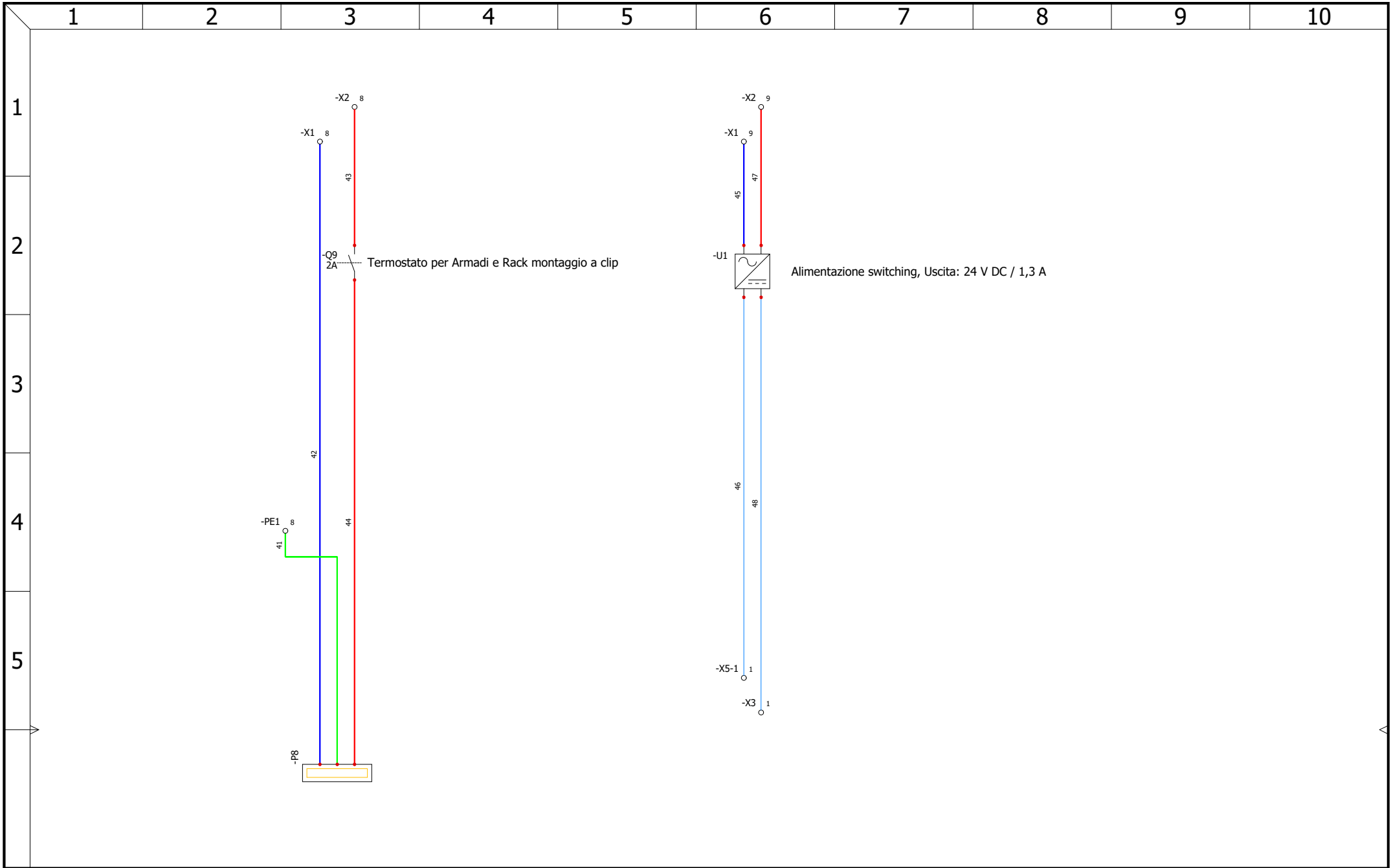
Control Power OUT

CONTRACT:

LOCATION: +L1 Power BOX

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Control Poewr OUT

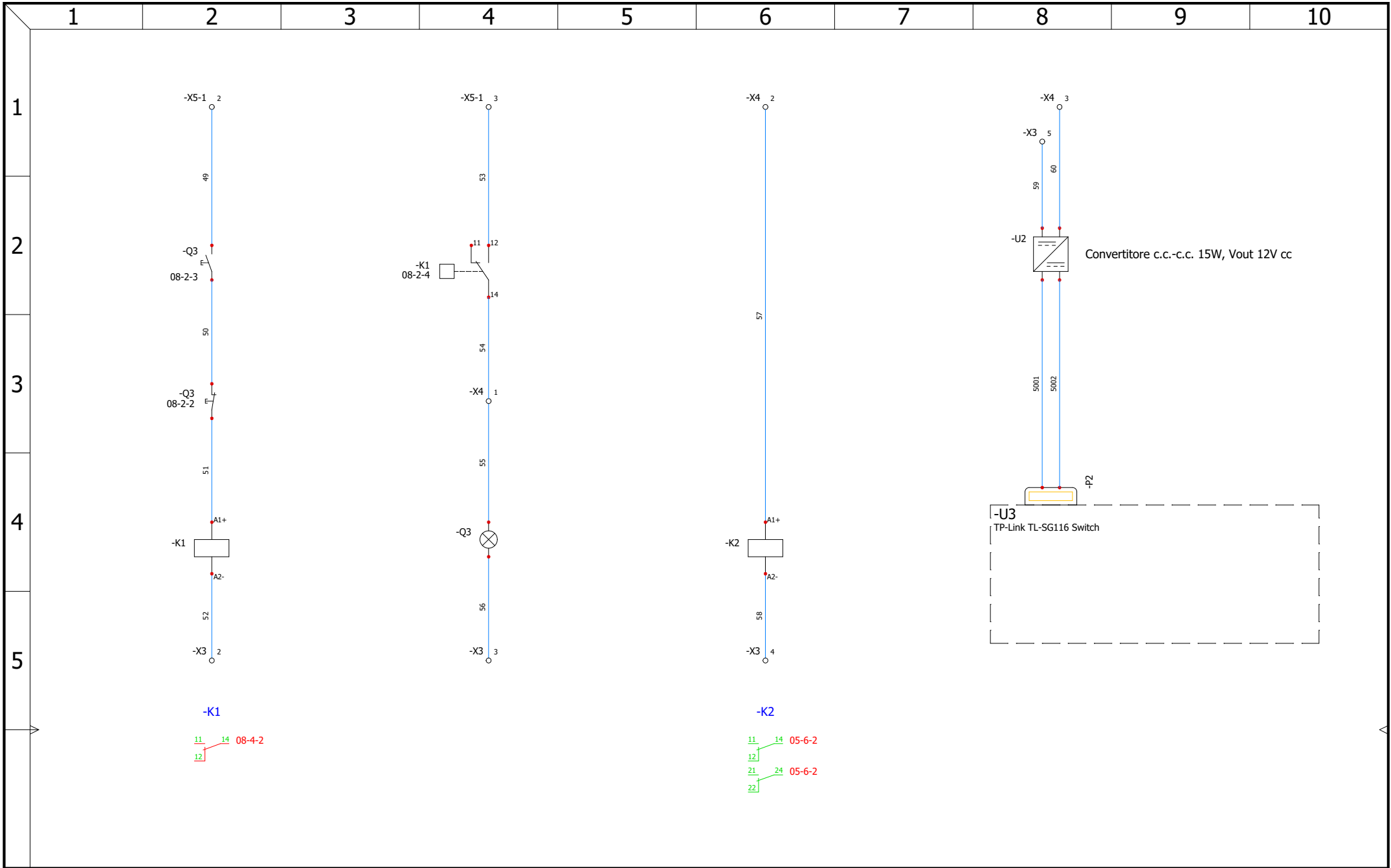
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0	03/06/2024	F.Marchini		
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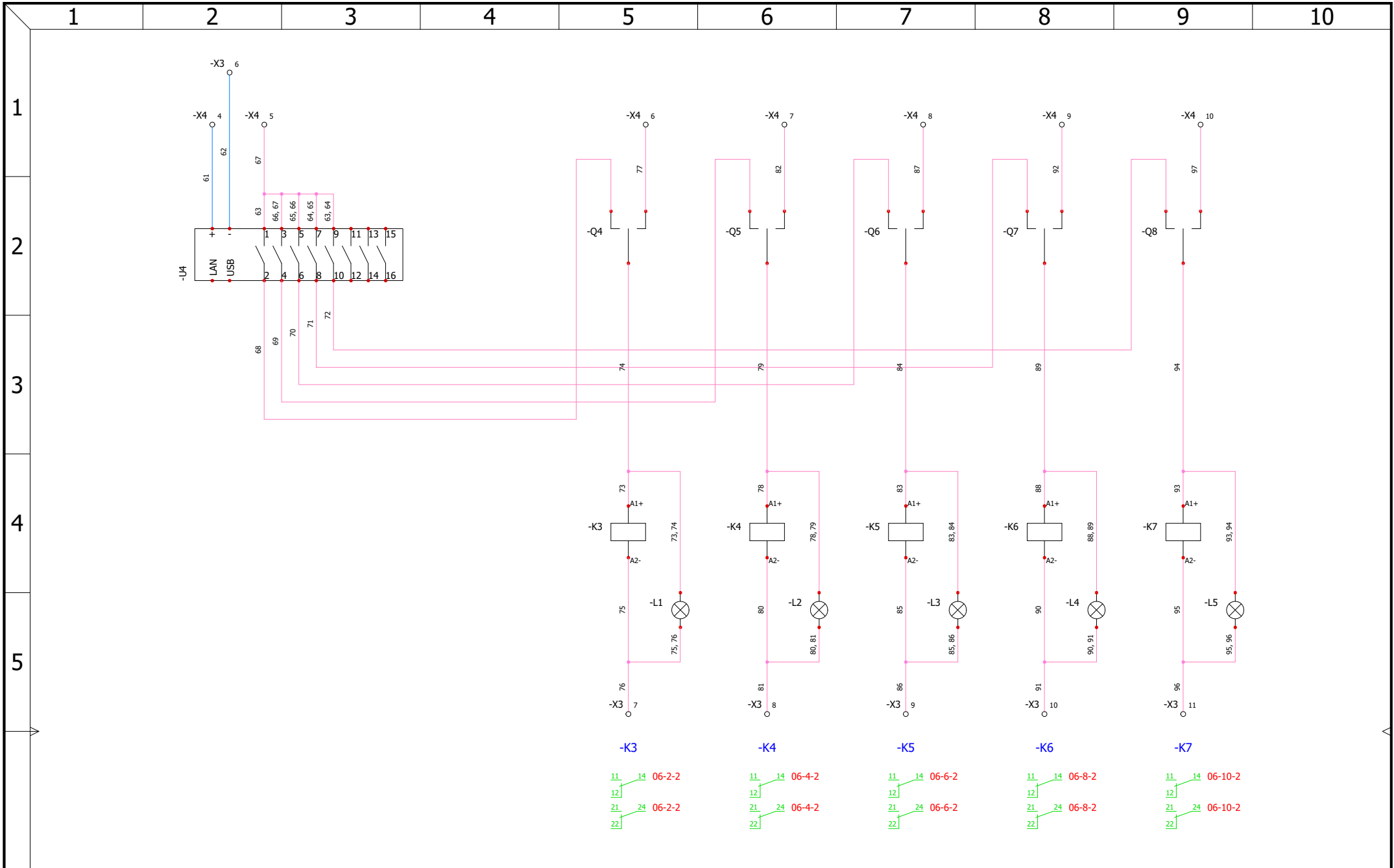
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+L1

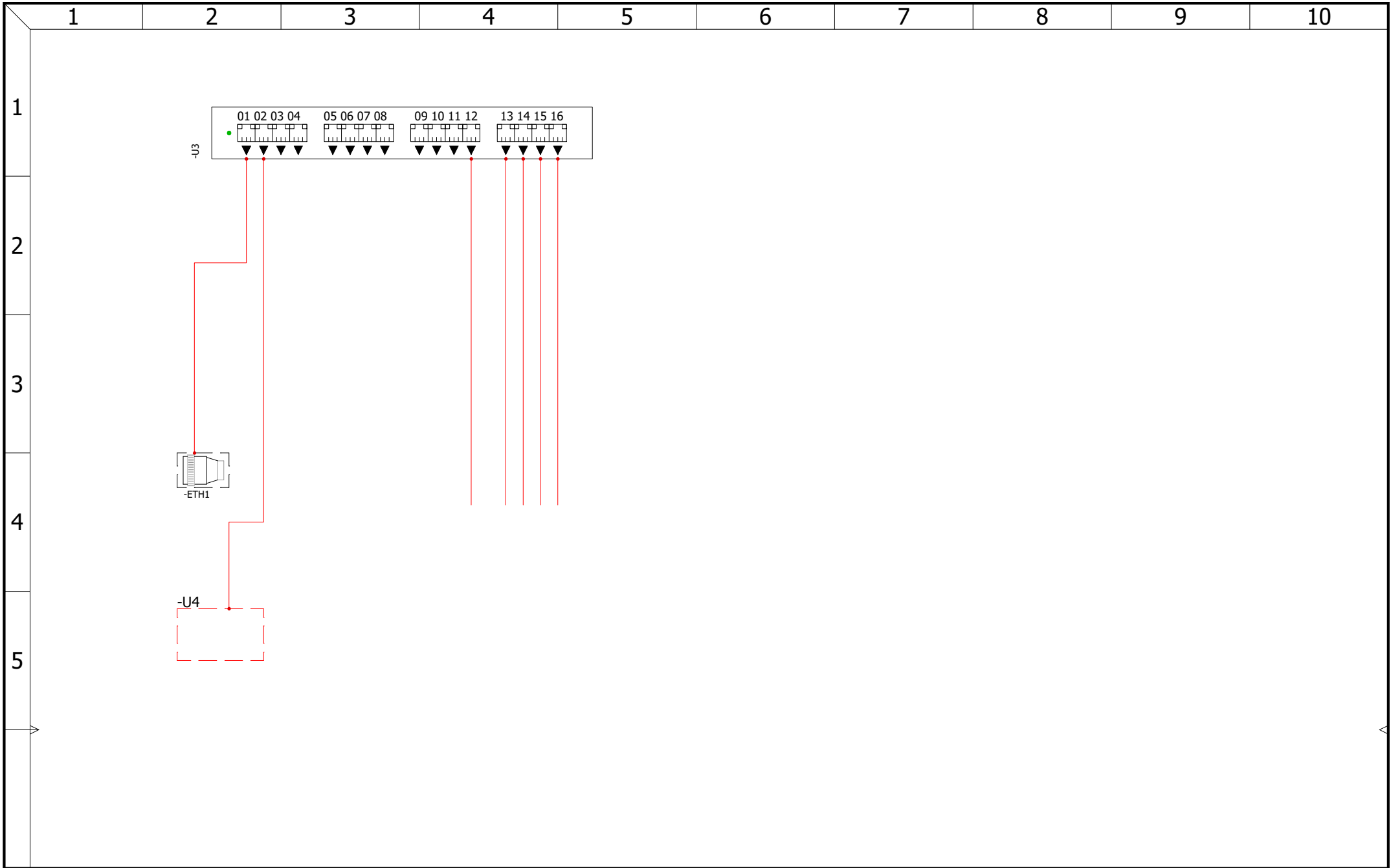
Power BOX



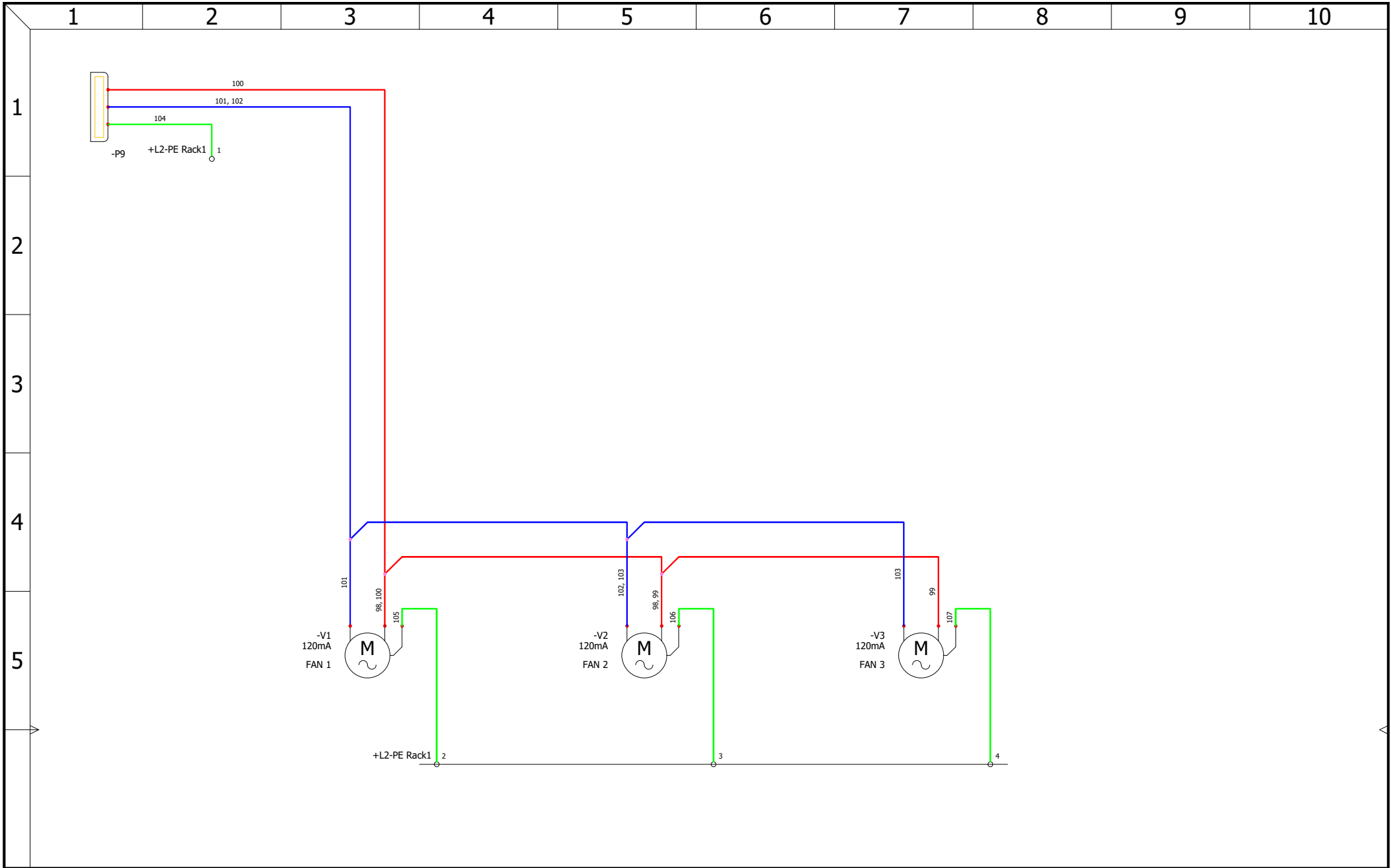
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CONTRACT:		LOCATION: +L1			Power BOX	
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		16 Ch Switch			REVISION	
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CONTRACT:		LOCATION: +L1			Power BOX	
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		0	03/06/2024	F.Marchini		10



Rack Air Ventilation

				REVISION
				0
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CONTRACT:

LOCATION: +L1 Power BOX

SOLIDWORKS Electrical

= 24V

Origin	Destination	Wire number	Section	Length (mm)	Reference	Line style
=F1+L1-K1:A1+	=F1+L1-Q3	51	1 (mm2)	0		= 24V
=F1+L1-K1:A2-	=F1+L1-X3-2	52	1 (mm2)	0		= 24V
=F1+L1-K1:14	=F1+L1-X4-1	54	1 (mm2)	0		= 24V
=F1+L1-K1:12	=F1+L1-X5-1-3	53	1 (mm2)	0		= 24V
=F1+L1-K2:A2-	=F1+L1-X3-4	58	1 (mm2)	0		= 24V
=F1+L1-K2:A1+	=F1+L1-X4-2	57	1 (mm2)	0		= 24V
=F1+L1-K3:A1+	=F1+L1-L1	73	0.5 (mm2)	0		= 24V
=F1+L1-K3:A2-	=F1+L1-L1	75	0.5 (mm2)	0		= 24V
=F1+L1-K4:A1+	=F1+L1-L2	78	0.5 (mm2)	0		= 24V
=F1+L1-K4:A2-	=F1+L1-L2	80	0.5 (mm2)	0		= 24V
=F1+L1-K5:A1+	=F1+L1-L3	83	0.5 (mm2)	0		= 24V
=F1+L1-K5:A2-	=F1+L1-L3	85	0.5 (mm2)	0		= 24V
=F1+L1-K6:A1+	=F1+L1-L4	88	0.5 (mm2)	0		= 24V
=F1+L1-K6:A2-	=F1+L1-L4	90	0.5 (mm2)	0		= 24V
=F1+L1-K7:A1+	=F1+L1-L5	93	0.5 (mm2)	0		= 24V
=F1+L1-K7:A2-	=F1+L1-L5	95	0.5 (mm2)	0		= 24V
=F1+L1-L1	=F1+L1-Q4	74	0.5 (mm2)	0		= 24V
=F1+L1-L1	=F1+L1-X3-7	76	0.5 (mm2)	0		= 24V
=F1+L1-L2	=F1+L1-Q5	79	0.5 (mm2)	0		= 24V
=F1+L1-L2	=F1+L1-X3-8	81	0.5 (mm2)	0		= 24V
=F1+L1-L3	=F1+L1-Q6	84	0.5 (mm2)	0		= 24V
=F1+L1-L3	=F1+L1-X3-9	86	0.5 (mm2)	0		= 24V
=F1+L1-L4	=F1+L1-Q7	89	0.5 (mm2)	0		= 24V
=F1+L1-L4	=F1+L1-X3-10	91	0.5 (mm2)	0		= 24V
=F1+L1-L5	=F1+L1-Q8	94	0.5 (mm2)	0		= 24V
=F1+L1-L5	=F1+L1-X3-11	96	0.5 (mm2)	0		= 24V
=F1+L1-P2	=F1+L1-U2	5001	1 (mm2)	0		= 24V
=F1+L1-P2	=F1+L1-U2	5002	1 (mm2)	0		= 24V
=F1+L1-Q3	=F1+L1-Q3	50	1 (mm2)	0		= 24V
=F1+L1-Q3	=F1+L1-X3-3	56	1 (mm2)	0		= 24V
=F1+L1-Q3	=F1+L1-X5-1-2	49	1 (mm2)	0		= 24V
=F1+L1-Q4	=F1+L1-U4	68	0.5 (mm2)	0		= 24V
=F1+L1-Q4	=F1+L1-X4-6	77	0.5 (mm2)	0		= 24V

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-> = 24V

Origin	Destination	Wire number	Section	Length (mm)	Reference	Line style
=F1+L1-Q5	=F1+L1-U4	69	0.5 (mm2)	0		= 24V
=F1+L1-Q5	=F1+L1-X4-7	82	0.5 (mm2)	0		= 24V
=F1+L1-Q6	=F1+L1-U4	70	0.5 (mm2)	0		= 24V
=F1+L1-Q6	=F1+L1-X4-8	87	0.5 (mm2)	0		= 24V
=F1+L1-Q7	=F1+L1-U4	71	0.5 (mm2)	0		= 24V
=F1+L1-Q7	=F1+L1-X4-9	92	0.5 (mm2)	0		= 24V
=F1+L1-Q8	=F1+L1-U4	72	0.5 (mm2)	0		= 24V
=F1+L1-Q8	=F1+L1-X4-10	97	0.5 (mm2)	0		= 24V
=F1+L1-U1	=F1+L1-X3-1	48	1 (mm2)	0		= 24V
=F1+L1-U1	=F1+L1-X5-1-1	46	1 (mm2)	0		= 24V
=F1+L1-U2	=F1+L1-X3-5	59	1 (mm2)	0		= 24V
=F1+L1-U2	=F1+L1-X4-3	60	1 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-U4	63	0.5 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-U4	64	0.5 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-U4	65	0.5 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-U4	66	0.5 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-X3-6	62	1 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-X4-4	61	1 (mm2)	0		= 24V
=F1+L1-U4	=F1+L1-X4-5	67	0.5 (mm2)	0		= 24V
=F1+L1-X4-1	=F1+L1-Q3	55	1 (mm2)	0		= 24V
				0		

N L1 L2 L3

Origin	Destination	Wire number	Section	Length (mm)	Reference	Line style
=F1+L1-P9	=F1+L1-V1	101	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P9	=F1+L1-V1	100	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-Q1:22	=F1+L1-Q2:1	6	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-Q1:32	=F1+L1-Q2:N	4	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-Q2:N	=F1+L1-X1-1	5	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-Q2:2	=F1+L1-X2-1	7	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V1	=F1+L1-V2	98	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V2	=F1+L1-P9	102	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V2	=F1+L1-V3	99	1.5 (mm2)	0		N L1 L2 L3

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-> N L1 L2 L3

Origin	Destination	Wire number	Section	Length (mm)	Reference	Line style
=F1+L1-V2	=F1+L1-V3	103	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-Q9	=F1+L1-X2-8	43	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-U1	=F1+L1-X1-9	45	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-U1	=F1+L1-X2-9	47	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P3	=F1+L1-PE1-3	16	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P4	=F1+L1-PE1-4	21	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P5	=F1+L1-PE1-5	26	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P6	=F1+L1-PE1-6	31	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P7	=F1+L1-PE1-7	36	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P8	=F1+L1-PE1-8	41	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P8	=F1+L1-Q9	44	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P8	=F1+L1-X1-8	42	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P1	=F1+L1-PE1-1	1	1.5 (AWG)	0		N L1 L2 L3
=F1+L1-P1	=F1+L1-Q1:21	2	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P1	=F1+L1-Q1:31	3	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K7:14	=F1+L1-P7	38	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K7:24	=F1+L1-P7	40	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K7:12	=F1+L1-X1-7	37	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K7:22	=F1+L1-X2-7	39	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K6:14	=F1+L1-P6	33	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K6:24	=F1+L1-P6	35	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K6:12	=F1+L1-X1-6	32	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K6:22	=F1+L1-X2-6	34	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K5:14	=F1+L1-P5	28	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K5:24	=F1+L1-P5	30	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K5:12	=F1+L1-X1-5	27	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K5:22	=F1+L1-X2-5	29	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K4:14	=F1+L1-P4	23	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K4:24	=F1+L1-P4	25	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K4:12	=F1+L1-X1-4	22	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K4:22	=F1+L1-X2-4	24	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K3:14	=F1+L1-P3	18	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K3:24	=F1+L1-P3	20	1.5 (mm2)	0		N L1 L2 L3

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-> N L1 L2 L3

Origin	Destination	Wire number	Section	Length (mm)	Reference	Line style
=F1+L1-K3:12	=F1+L1-X1-3	17	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K3:22	=F1+L1-X2-3	19	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K2:12	=F1+L1-X1-2	10	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-K2:22	=F1+L1-X2-2	13	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C1	=F1+L1-C2	11	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C1	=F1+L1-C2	14	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C1	=F1+L1-C2	8	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C2	=F1+L1-K2:14	12	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C2	=F1+L1-K2:24	15	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-C2	=F1+L1-PE1-2	9	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-P9	=F1+L2-PE Rack1-1	104	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V3	=F1+L2-PE Rack1-4	107	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V2	=F1+L2-PE Rack1-3	106	1.5 (mm2)	0		N L1 L2 L3
=F1+L1-V1	=F1+L2-PE Rack1-2	105	1.5 (mm2)	0		N L1 L2 L3
				0		

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REV.	DATE	NAME	CHANGES	25
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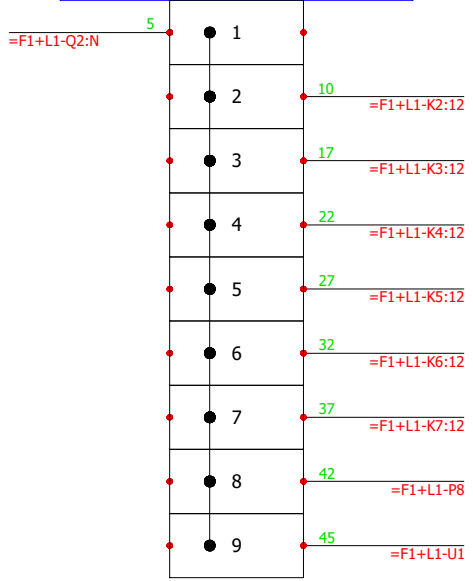
CONTRACT:

LOCATION:

+L1

Power BOX

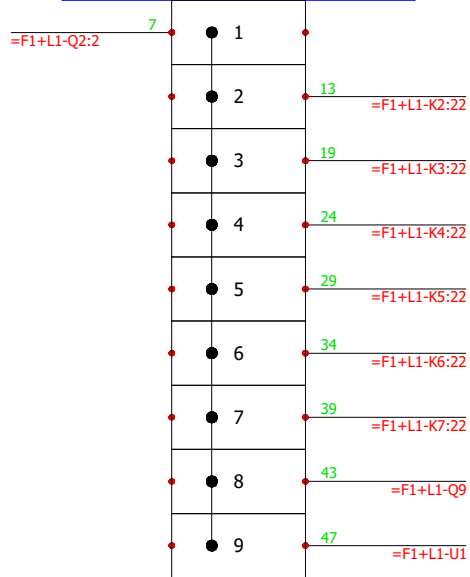
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SOLIDWORKS Electrical

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		Power BOX		20	

-X2
L1



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0	03/06/2024	F.Marchini		0
				SCHEME
				19

CONTRACT:

LOCATION:

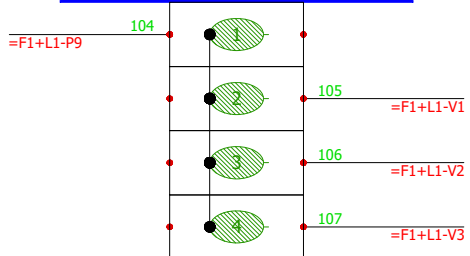
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Power BOX

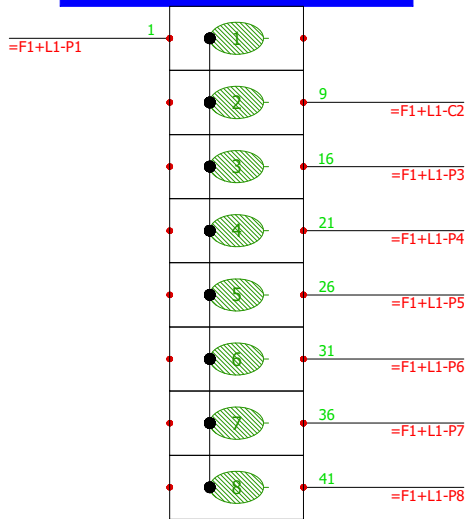
User data 1

User data 2

**+L2
+L2-PE Rack1**



-PE1



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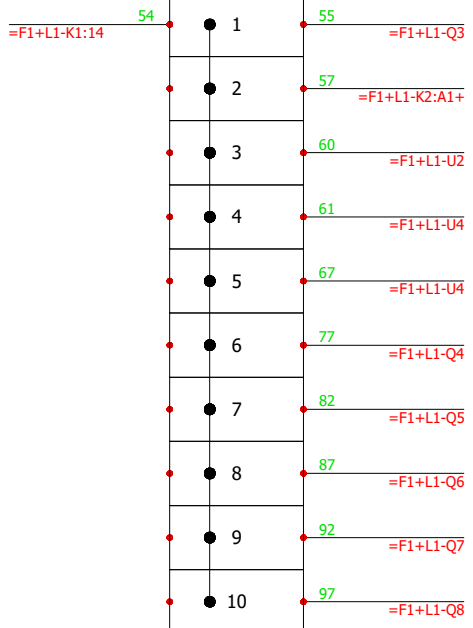
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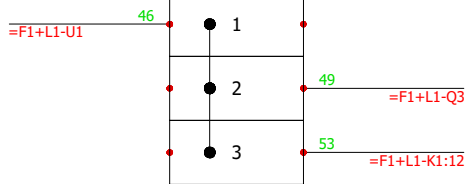
+L1

Power BOX

-X4
24VDC



-X5-1
24VDC

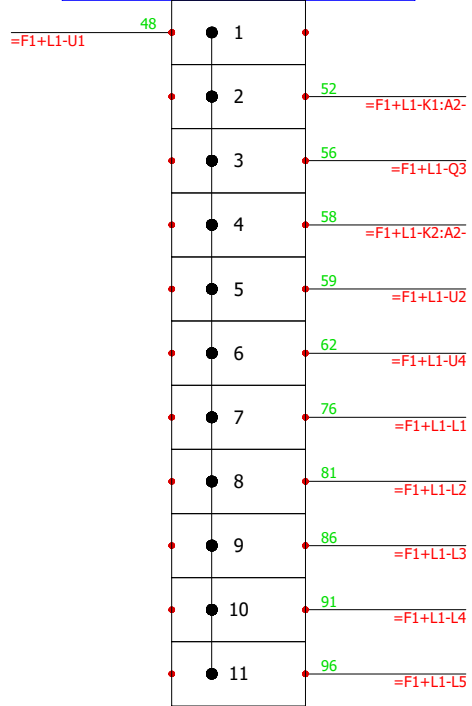


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		User data 1	User data 2	SCHEME
				22

SOLIDWORKS Electrical

**-X3
OVDC**



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CONTRACT:

LOCATION:

+L1

Power BOX

User data 1

User data 2

ABB

	Reference	Mark	Description	Quantity
1	2CSM210000R0701 M1170	-C1, -C2	Presa elettrica, ABB 2CSM210000R0701 M1170, 16A, 1 modulo, IP20, IP30, presa Tipo L - italiano, Grigio In interni,	2
2	DS201M-C6 AC30	-Q2	Diferential switch, In 6 A, 1P + N, Icc= 10 kA, Ith 30 mA	1

DEDITEC

	Reference	Mark	Description	Quantity
1	DEDITEC BSW-M16	-U4	Matrice di relè controllabile da remoto	1

Eaton

	Reference	Mark	Description	Quantity
1	Blocco contatti con supporto Eaton	-Q3		1
2	M22-DDL-GR-X1/X0	-Q3	Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, green, red, inscribed, Bezel: titanium	1

EATON

	Reference	Mark	Description	Quantity
1	M22-PV-K02	-Q1	Emergency-stop pushbutton, non-illuminated, Button color Red, 2NC	1

GEWISS

	Reference	Mark	Description	Quantity
1	GW28005	-P1	Connettore maschio di rete Gewiss Maschio, Italia, 16A	1

MEAN WELL

	Reference	Mark	Description	Quantity
1	DDR-15G-12	-U2	Convertitore c.c.-c.c. 15W, Vout 12V cc	1

Phoenix Contact

	Reference	Mark	Description	Quantity
1	2903334	-K2, -K3, -K4, -K5, -K6, -K7	Relay module RIF-1-RPT-LDP-24DC/2X21	6
2	2903370	-K1	Pre-assembled relay module with push-in connection, consisting of: relay base with ejector and power contact relay. Contact type: 1 PDT. Input voltage: 24 V DC	1
3	STEP3-PS/1AC/24DC/1.3/PT -	-U1	Alimentazione switching, STEP POWER, Connessione Push-in, Montaggio su guida DIN o diretto, ingresso: 1 fase, uscita: 24 V DC / 1,3 A	1

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CONTRACT:	LOCATION: +L1	Power BOX					REVISION
							0
			0	03/06/2024	F.Marchini		SCHEME
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RS

	Reference	Mark	Description	Quantity
1	810-4591	-P2	Connettore di alimentazione c.c. RS PRO, 16 V, 2A, Ø int. 2.1mm, Ø est. 5.5mm, Montaggio su cavo	1
2	Cable Mount IEC	-P9	RS PRO C14 Cable Mount IEC	1
3	RS PRO Verde	-L1, -L2, -L3, -L4, -L5	Indicatore da pannello RS PRO Verde a LED, 24V cc, Sporgente, foro da 6mm	6

Schurter

	Reference	Mark	Description	Quantity
1	6600.3300	-P3, -P4, -P5, -P6, -P7, -P8	IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	7

TE Connectivity

	Reference	Mark	Description	Quantity
1	Power Rocker Switches	-Q4, -Q5, -Q6, -Q7, -Q8	Power Rocker Switches 3 positions 1-OFF-2,	5

TECHLY PROFESSIONAL

	Reference	Mark	Description	Quantity
1	ICOOL-220-1238Z	-V1, -V2, -V3	Ventola per PC 120x120x38 220V	3
2	Termostato per Armadi e Rack montaggio a clip	-Q9	Termostato per Armadi e Rack montaggio a clip	1

TP-LINK

	Reference	Mark	Description	Quantity
1	TP-Link TL-SG116 Switch	-U3	16 porte RJ45 10/100/1000Mbps Auto-MDI/MDIX per negoziazione automatica della velocità	1

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REV.	DATE	NAME	CHANGES	REVISION
0	03/06/2024	F.Marchini		0
				SCHEME
				28

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LOCATION:

+L1

Power BOX

User data 1

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