

Companie / client Descriere proiect Număr proiect	COMVEX SRL Scheme tip Tablou MCC20.4
Număr de pagini 71	



# Cuprins

Coloana X: O pagină generată automat a fost editată

Pagina	Descriere pagină	Câmp suplimentar pagină	Data	Editat de	
=GPD+MCC20.4/1	Pagina de titlu		1/9/2024	ROIH0388	X
=GPD+MCC20.4/2	Cuprins		1/9/2024	ROIH0388	
=GPD+MCC20.4/3	Cuprins		1/9/2024	ROIH0388	
=GPD+MCC20.4/4	Cuprins		1/9/2024	ROIH0388	
=GPD+MCC20.4/5	Datele sistemului		1/9/2024	ROIH0388	
=PG+MCC20.4/6	Schema tip Alimentare generala 400 Vac		1/9/2024	ROIH0388	
=PG+MCC20.4/7	Schema tip Monitorizare protectii		1/9/2024	ROIH0388	
=PG+MCC20.4/8	Schema tip Alimentare generala iluminat, ventilatie, UPS si tensiune de comanda stabilizata		1/9/2024	ROIH0388	
=LHV+MCC20.4/9	Schema tip Iluminat Dulap		1/9/2024	ROIH0388	
=LHV+MCC20.4/10	Schema tip Iluminat si ventilatie Dulap		1/9/2024	ROIH0388	
=UPS+MCC20.4/11	Schema tip UPS		1/9/2024	ROIH0388	
=CV230+MCC20.3.4/12	Schema tip Tensiune comanda 230V ca		1/9/2024	ROIH0388	
=CV230+MCC20.3.4/13	Schema tip Tensiune comanda 230V ca		1/9/2024	ROIH0388	
=CV24+MCC20.3.4/14	Schema tip Tensiune comanda 24 V cc		1/9/2024	ROIH0388	
=CV24+MCC20.3.4/15	Schema tip Distributie 24V cc sursa G1		1/9/2024	ROIH0388	
=CV24+MCC20.3.4/16	Schema tip Distributie 24V cc sursa G2		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/17	Schema tip Alimentare IM155		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/18	Schema tip Alimentare module Rack		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/19	Schema tip Vedere Rack PLC		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/20	Schema tip Arhitectura sistem		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/21	Schema tip Arhitectura sistem		1/9/2024	ROIH0388	
=PLC+MCC20.3.2/22	Schema tip Arhitectura sistem		1/9/2024	ROIH0388	
=PLC+MCC20.3.4/23	Schema tip Alimentare IM155		1/9/2024	ROIH0388	
=PLC+MCC20.3.4/24	Schema tip Alimentare module Rack		1/9/2024	ROIH0388	
=PLC+MCC20.3.4/25	Schema tip Vedere Rack PLC		1/9/2024	ROIH0388	
=BE51+MCC20.4/26	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/27	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/28	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/29	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/30	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/31	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/32	Schema tip Elevator BE51		1/9/2024	ROIH0388	
=BE51+MCC20.4/33	Schema tip Elevator BE51		1/9/2024	ROIH0388	



# Cuprins

Coloana X: O pagină generată automat a fost editată

Pagina	Descriere pagină	Câmp suplimentar pagină	Data	Editat de
=BE51+MCC20.4/34	Schema tip Elevator BE51		1/9/2024	ROIH0388
=BE51+MCC20.4/35	Schema tip Elevator BE51		1/9/2024	ROIH0388
=SF1BE51+MCC20.4/36	Schema tip Filtru SF1BE51		1/9/2024	ROIH0388
=SF1BE51+MCC20.4/37	Schema tip Filtru SF1BE51		1/9/2024	ROIH0388
=SF1BE51+MCC20.4/38	Schema tip Filtru SF1BE51		1/9/2024	ROIH0388
=SF2BE51+MCC20.4/39	Schema tip Filtru SF2BE51		1/9/2024	ROIH0388
=SF2BE51+MCC20.4/40	Schema tip Filtru SF2BE51		1/9/2024	ROIH0388
=SF2BE51+MCC20.4/41	Schema tip Filtru SF2BE51		1/9/2024	ROIH0388
=CC51.1+MCC20.4/42	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=CC51.1+MCC20.4/43	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=CC51.1+MCC20.4/44	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=CC51.1+MCC20.4/45	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=CC51.1+MCC20.4/46	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=CC51.1+MCC20.4/47	Schema tip Redler CC51.1		1/9/2024	ROIH0388
=BC51+MCC20.4/48	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/49	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/50	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/51	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/52	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/53	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/54	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/55	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/56	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/57	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/58	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/59	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/60	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/61	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=BC51+MCC20.4/62	Schema tip Banda transportoare BC51		1/9/2024	ROIH0388
=VA52+MCC20.4/63	Schema tip Deviator VA52		1/9/2024	ROIH0388
=VA52+MCC20.4/64	Schema tip Deviator VA52		1/9/2024	ROIH0388
=VA52+MCC20.4/65	Schema tip Deviator VA52		1/9/2024	ROIH0388
=VA52+MCC20.4/66	Schema tip Deviator VA52		1/9/2024	ROIH0388



Coloana X: O pagină generată automat a fost editată

3



Date tehnice sistem

Date electrice generale

Tensiune alimentare	400V AC
Frecventa nominala	50 Hz (+-5%)
Putere instalata	650 kW
Putere absorbita	600 kW
Intreruptor principal	800A
Tipul retelei	TNC
Standard de proiectare	SR EN 61439-1/2
Tipul de separare	2A

Date mecanice

Dimensiuni tablou	Inaltime Latime Adancime	2170mm 5600mm 600mm
Greutate totala	kg	
Tip tablou	Rittal	
Grad de protectie tablou	IP 20	
Culoare tablou	RAL 7035	
Unghi deschidere usa	130°	

Conditii ambientale

Temperatura de depozitare	-25...+55°C
Temperatura de lucru	5...+35°C
Altitudine (deasupra nivelului marii)	max. 1000 m

Racire tablou

Sistem de racire	Fortata
Temperatura mediu	5...+35°C

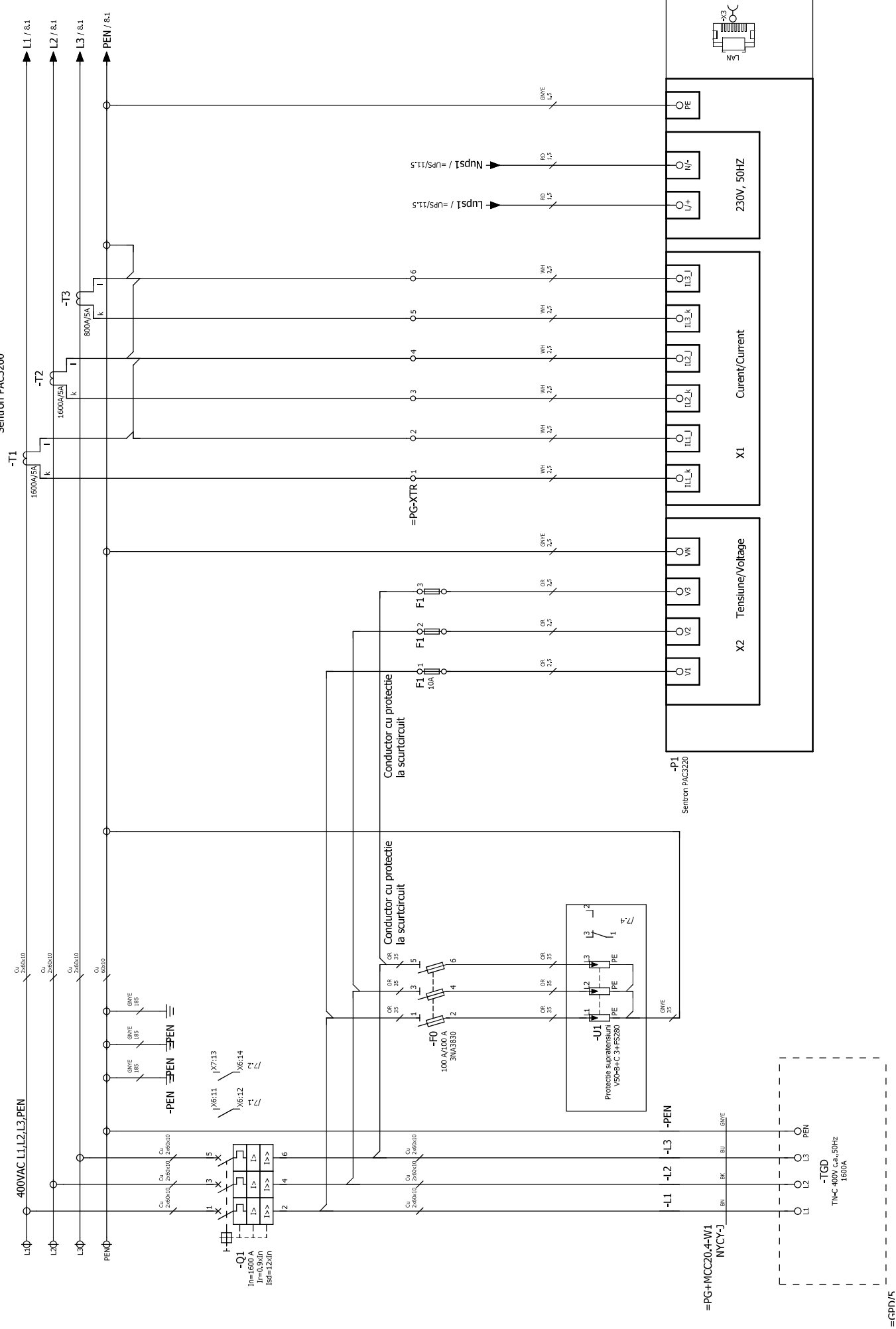
Nota:

Sectiunea cablurilor se va verifica in functie de conditiile de montaj si de lungime!

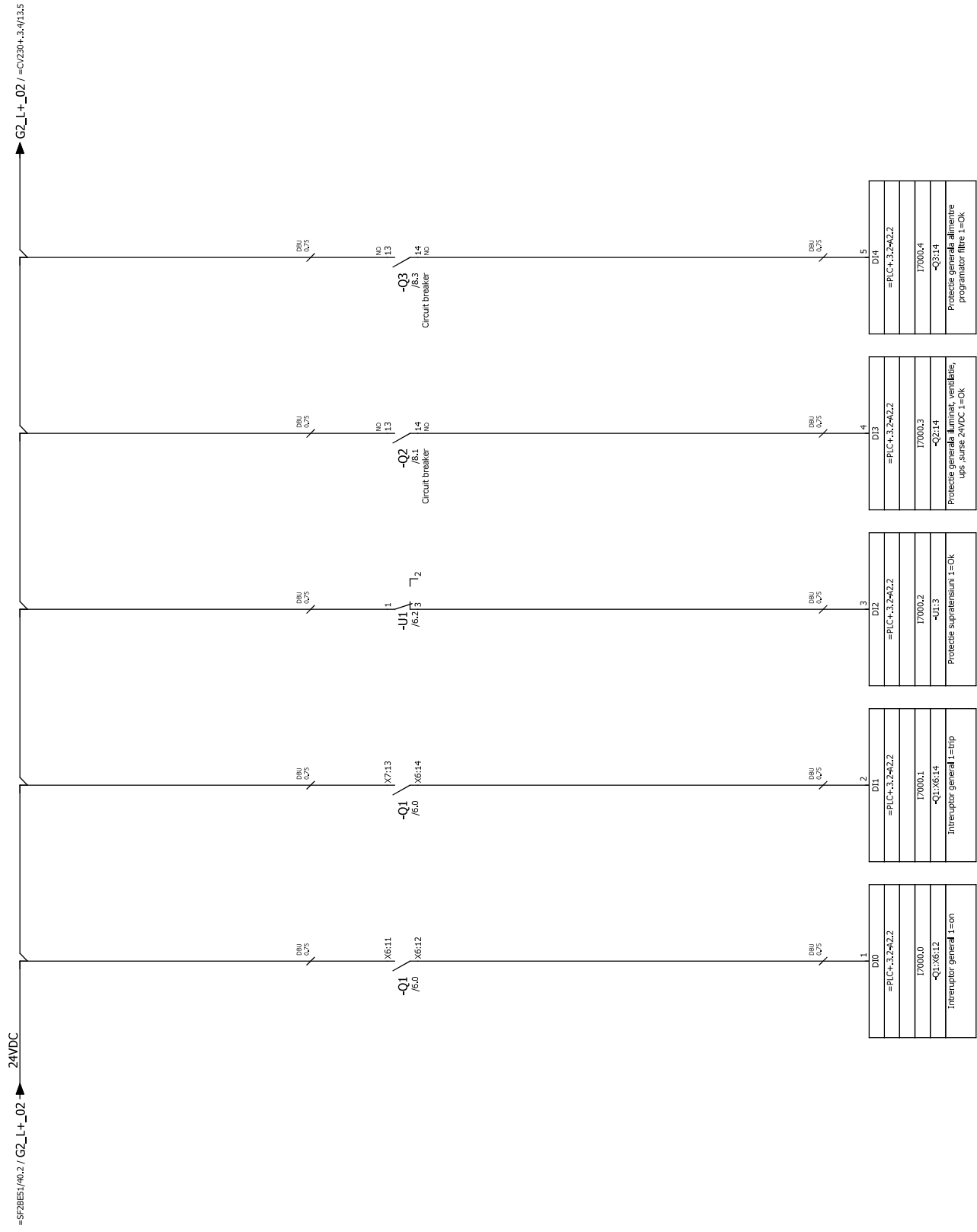
Cablare interna tablou

Potential	Conductor	Culoare
L1 Faza 1 - circuit de forta c.a.	sectiune minima :1.5mm²	Negru (BK)
L2 Faza 2 - circuit de forta c.a.	sectiune minima :1.5mm²	Negru (BK)
L3 Faza 3 - circuit de forta c.a.	sectiune minima :1.5mm²	Negru (BK)
N Nulul de lucru din circuitul de forta c.a.	sectiune minima :1.5mm²	Albastru deschis (LBU)
PE Nulul de protectie (incluzand pamantarea)	sectiune minima :1.5mm²	Galben / Verde (GNVE)
Masura	2.5 mm²	Alb(WH)
L tensiunea de comanda 230V c.a.	1.5 mm²	Rosu (RD)
N tensiunea de comanda 230V c.a.	1.5 mm²	Rosu(RD)
L+ (plus) tensiunea de comanda 24V c.c.	0.75 mm²	Albastru inchis (DBU)
M- (minus) tensiunea de comanda 24V c.c.	0.75 mm²	Albastru inchis (DBU)
Tensiuni nespecificate, Contacte libere de potential Tensiune inainte de intreruptorul principal	sectiune minima: 1 mm²	Oranj (OR)

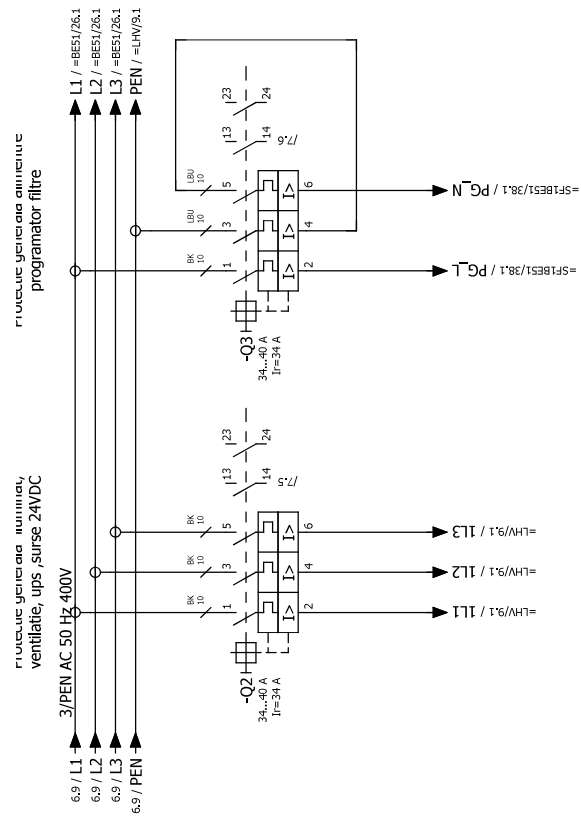












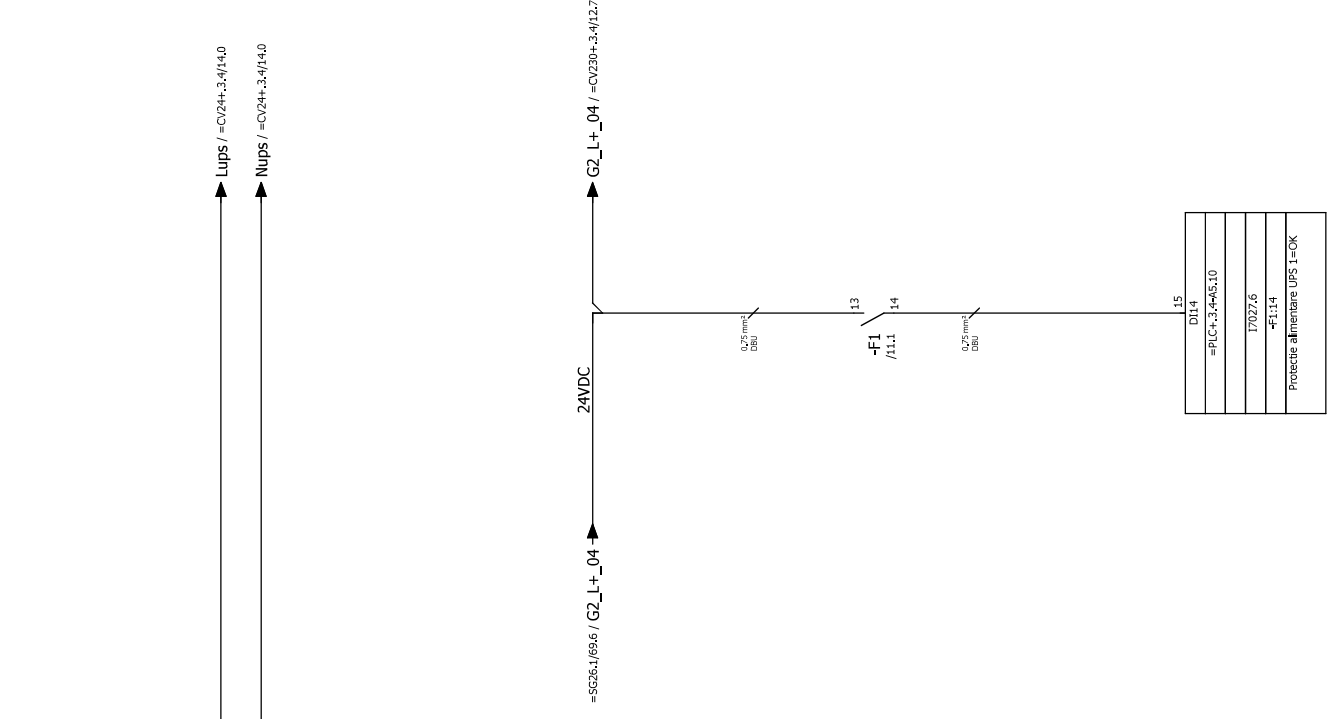
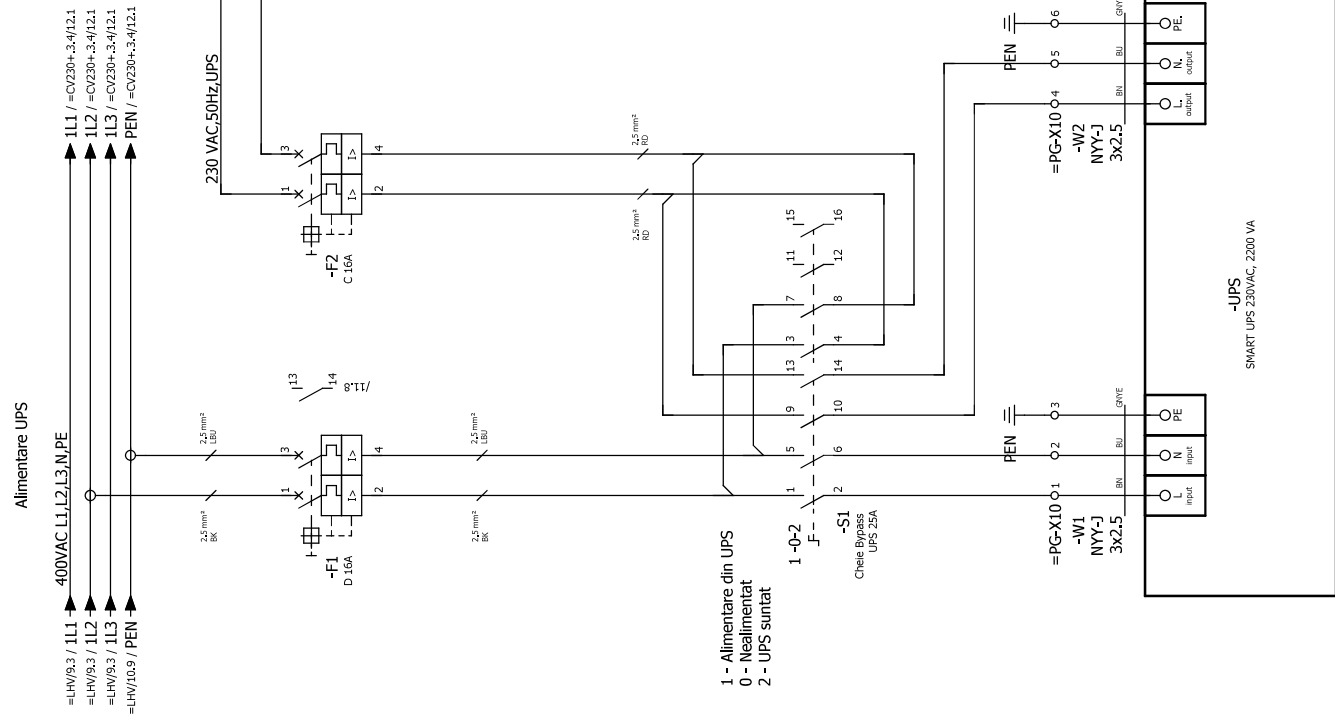




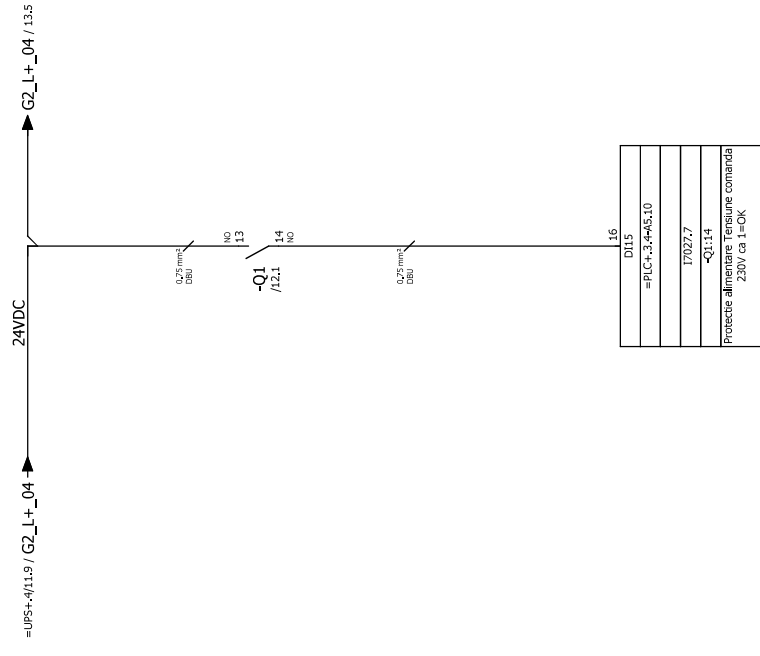
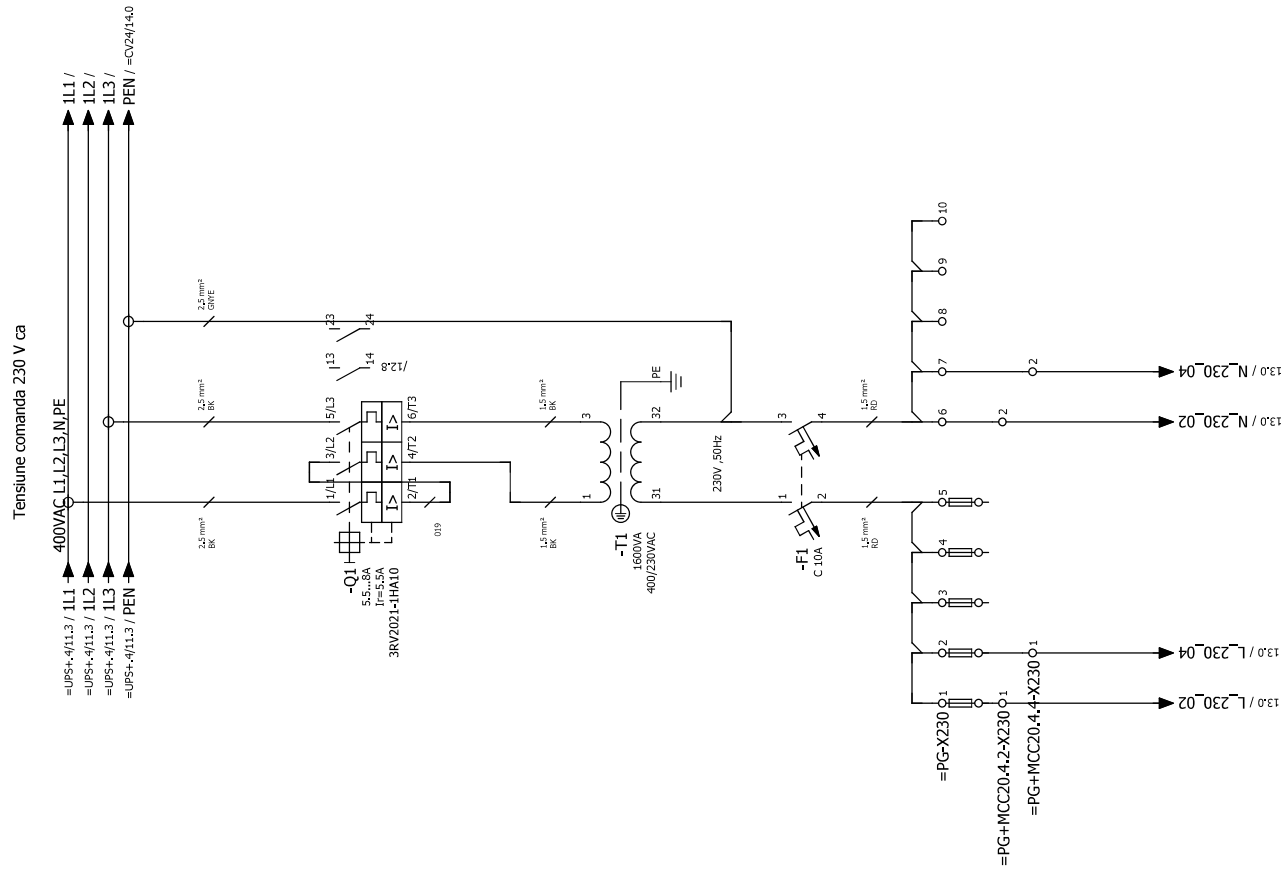




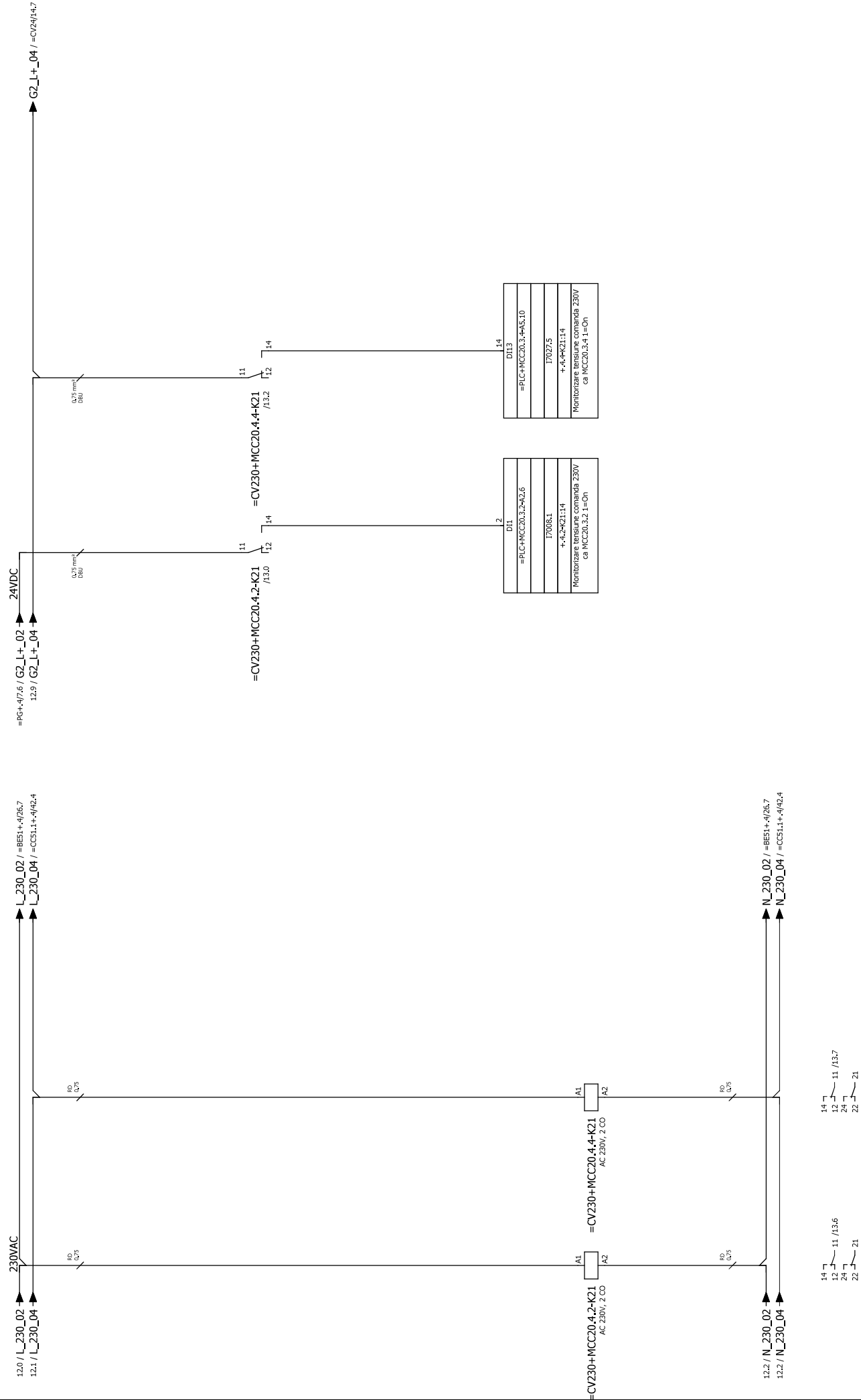








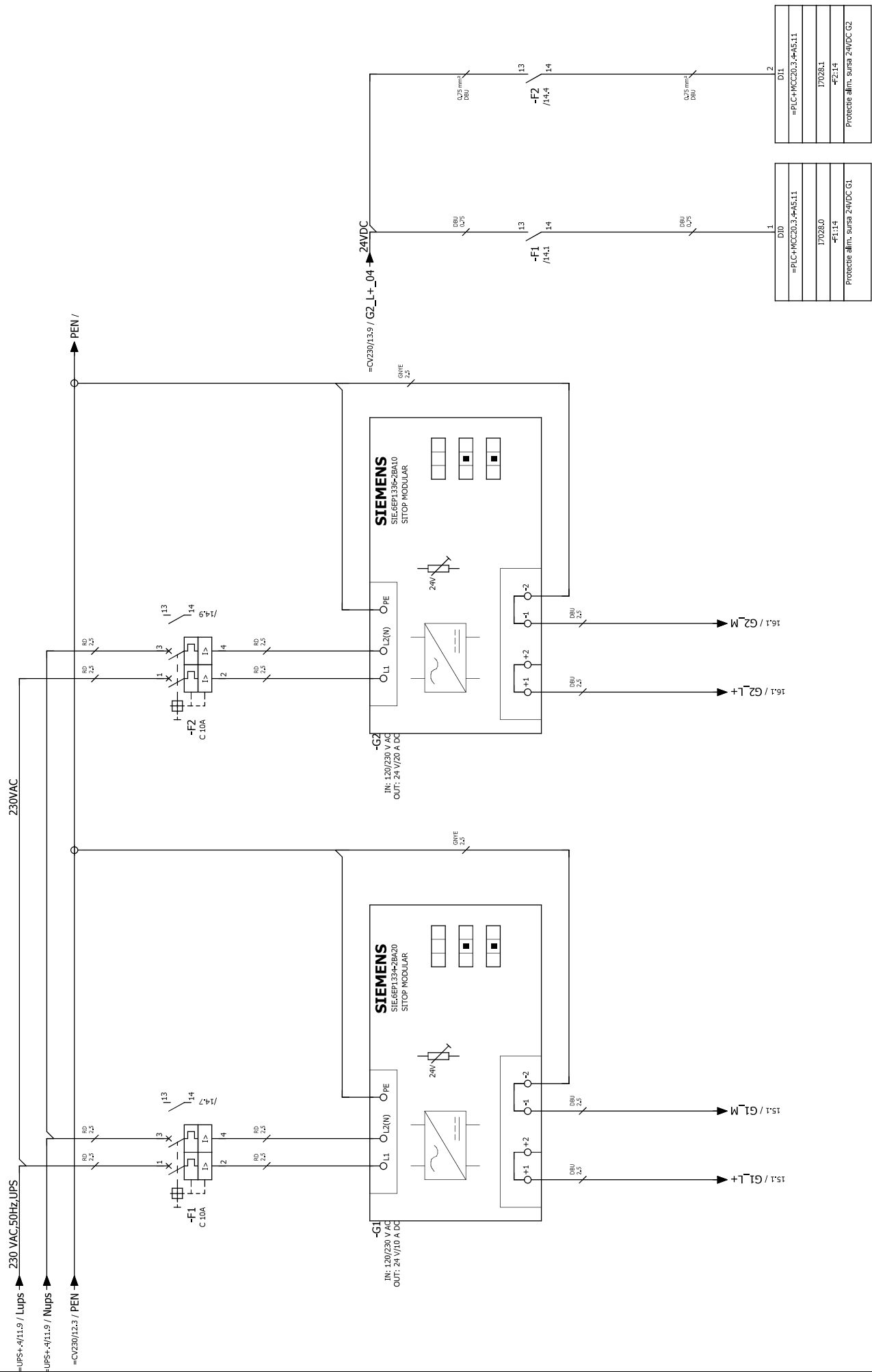




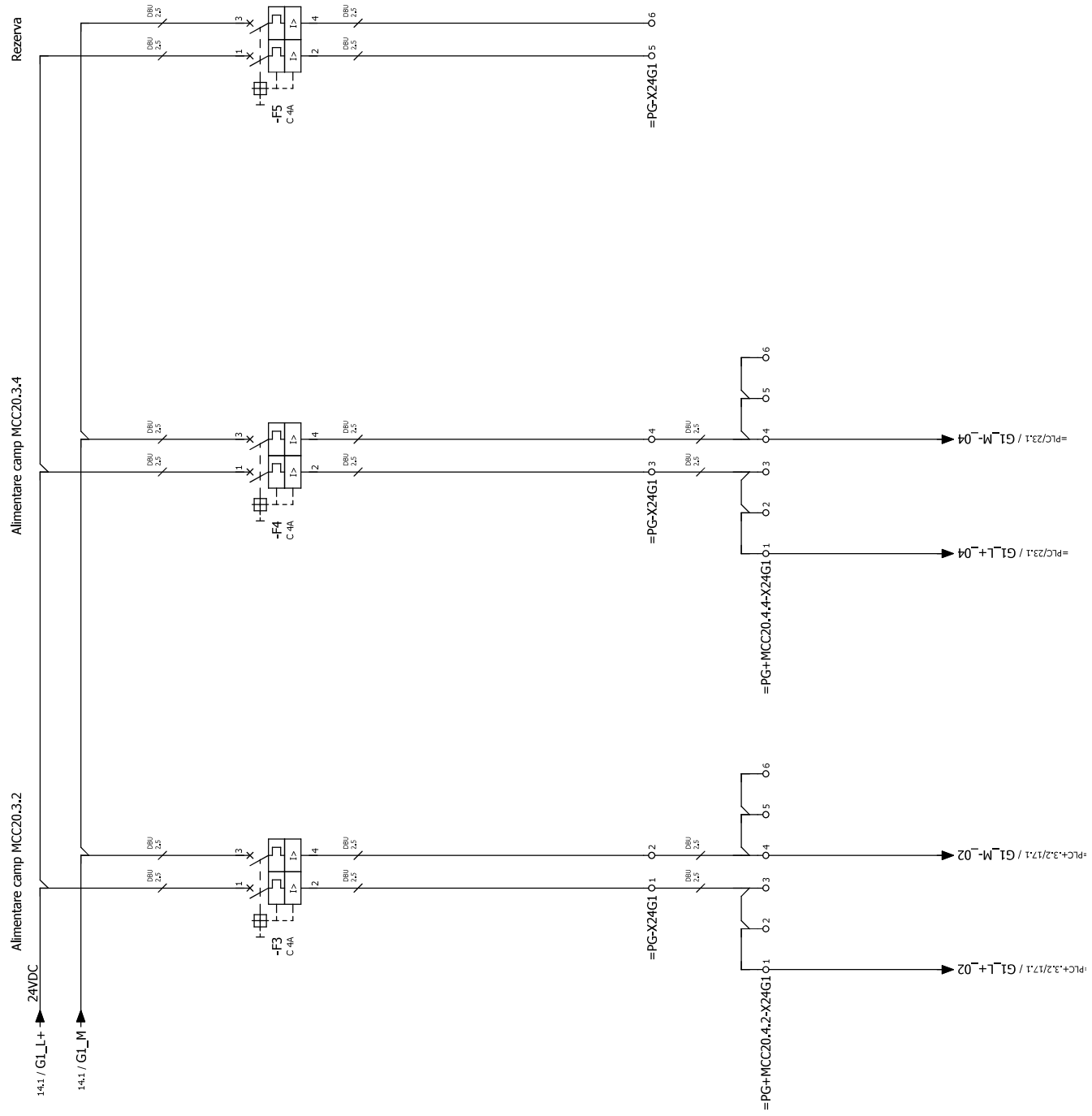


Tensiune comanda 24 V cc de pe UPS

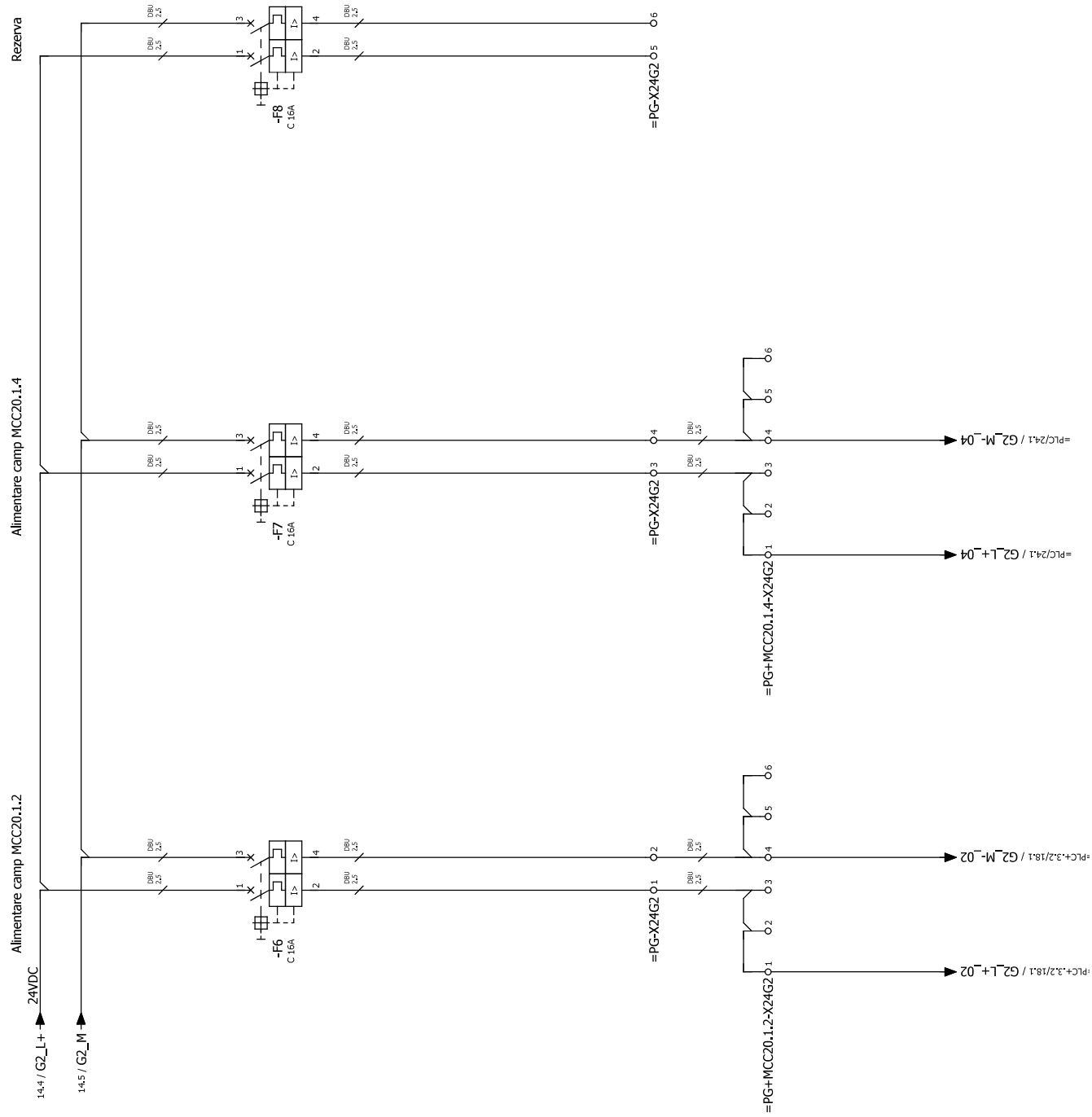
Tensiune comanda 24 V cc de pe UPS



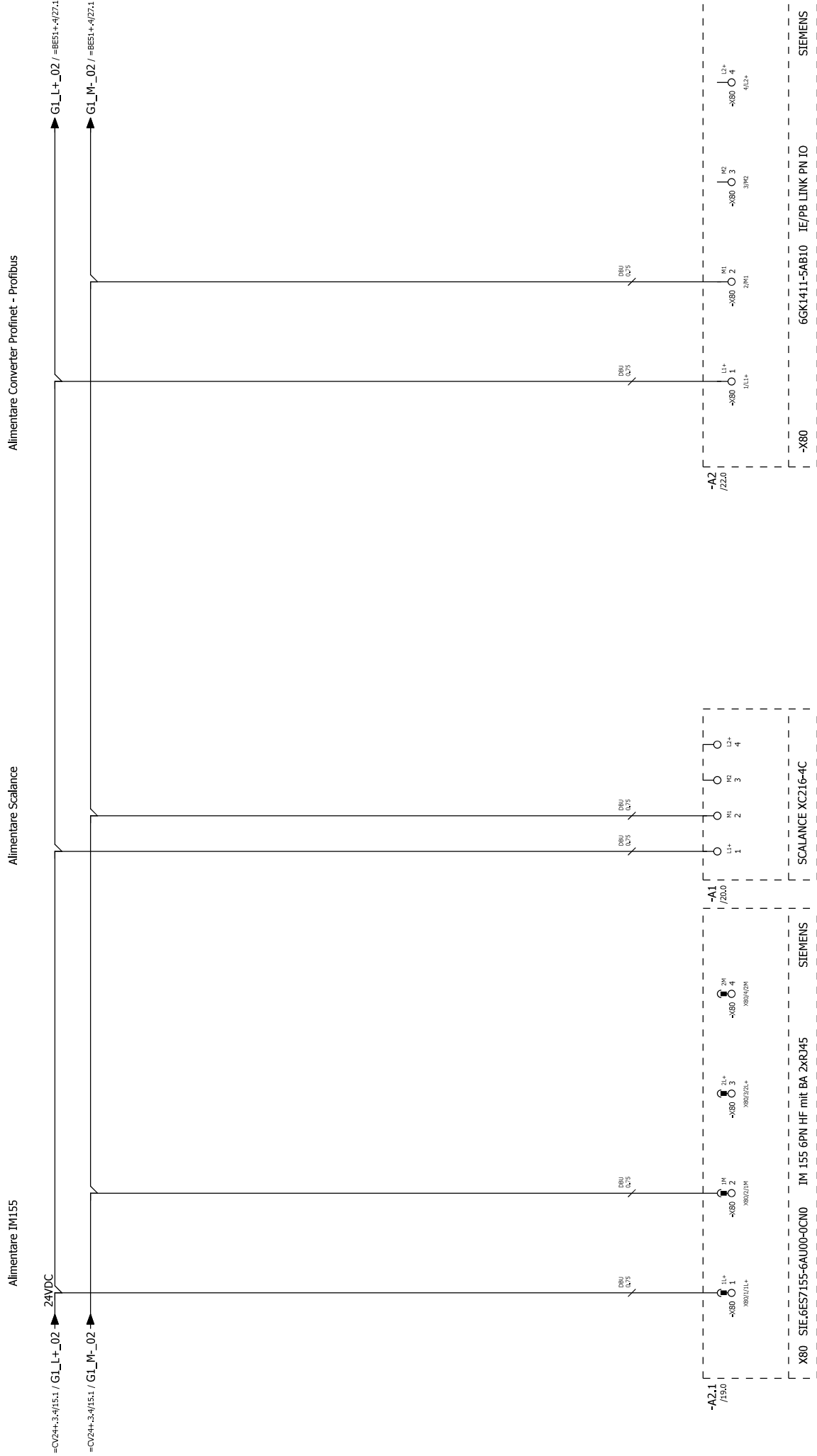






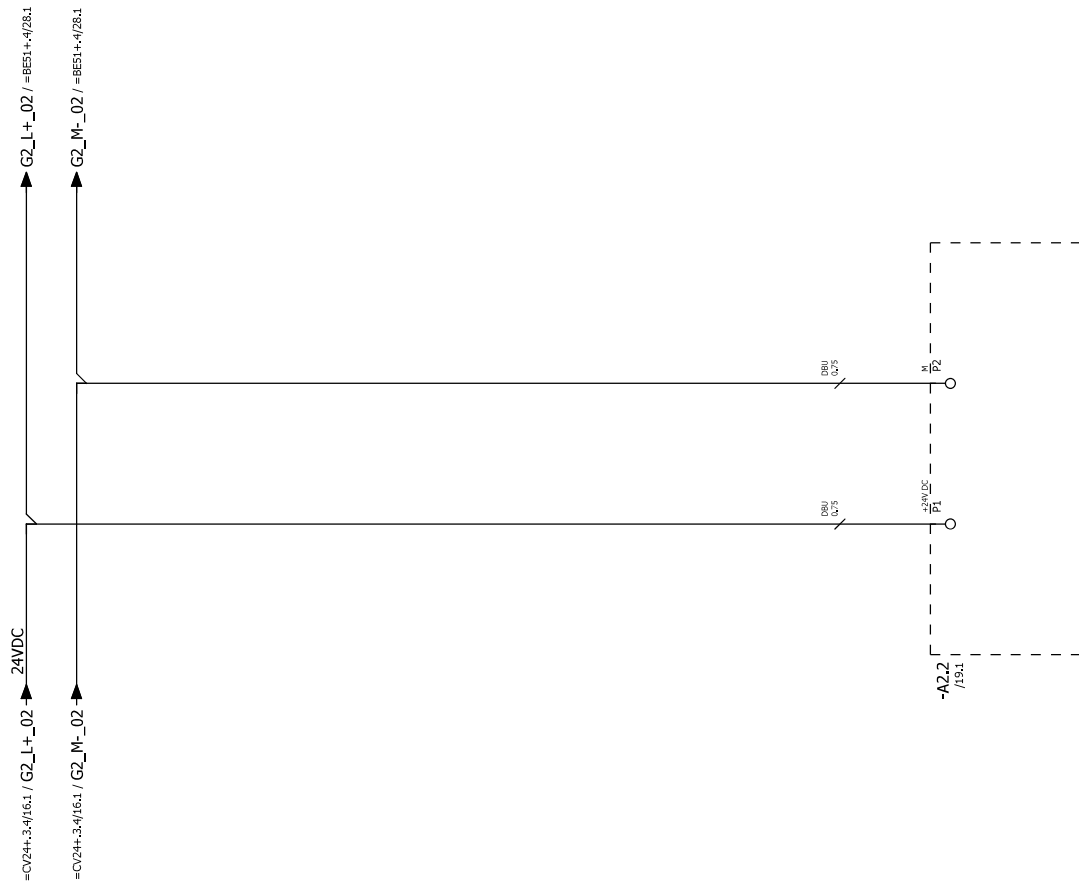








# Alimentare module Rack



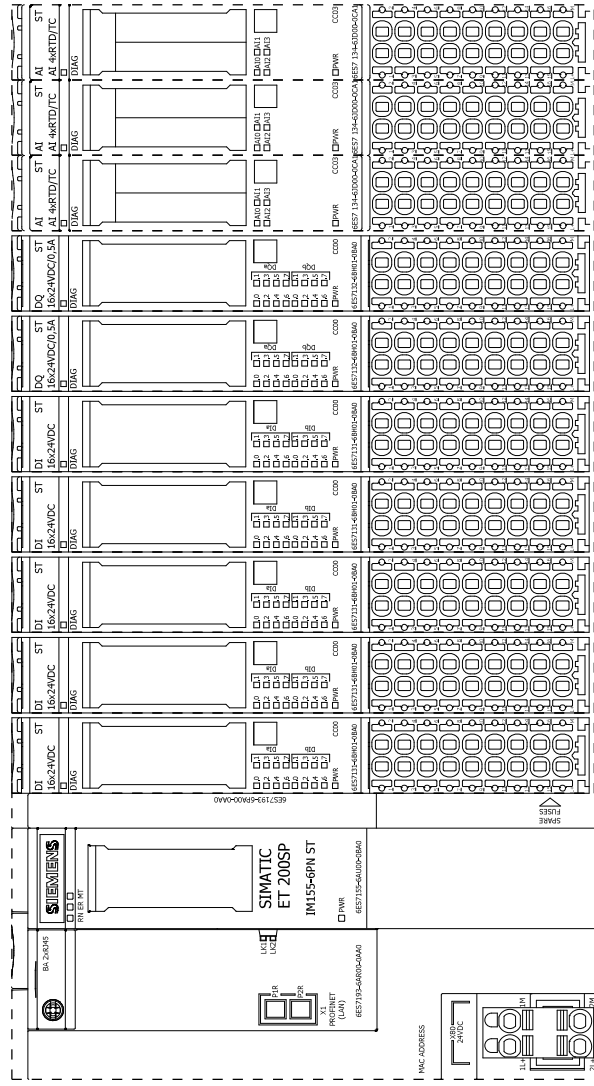


-A2.1

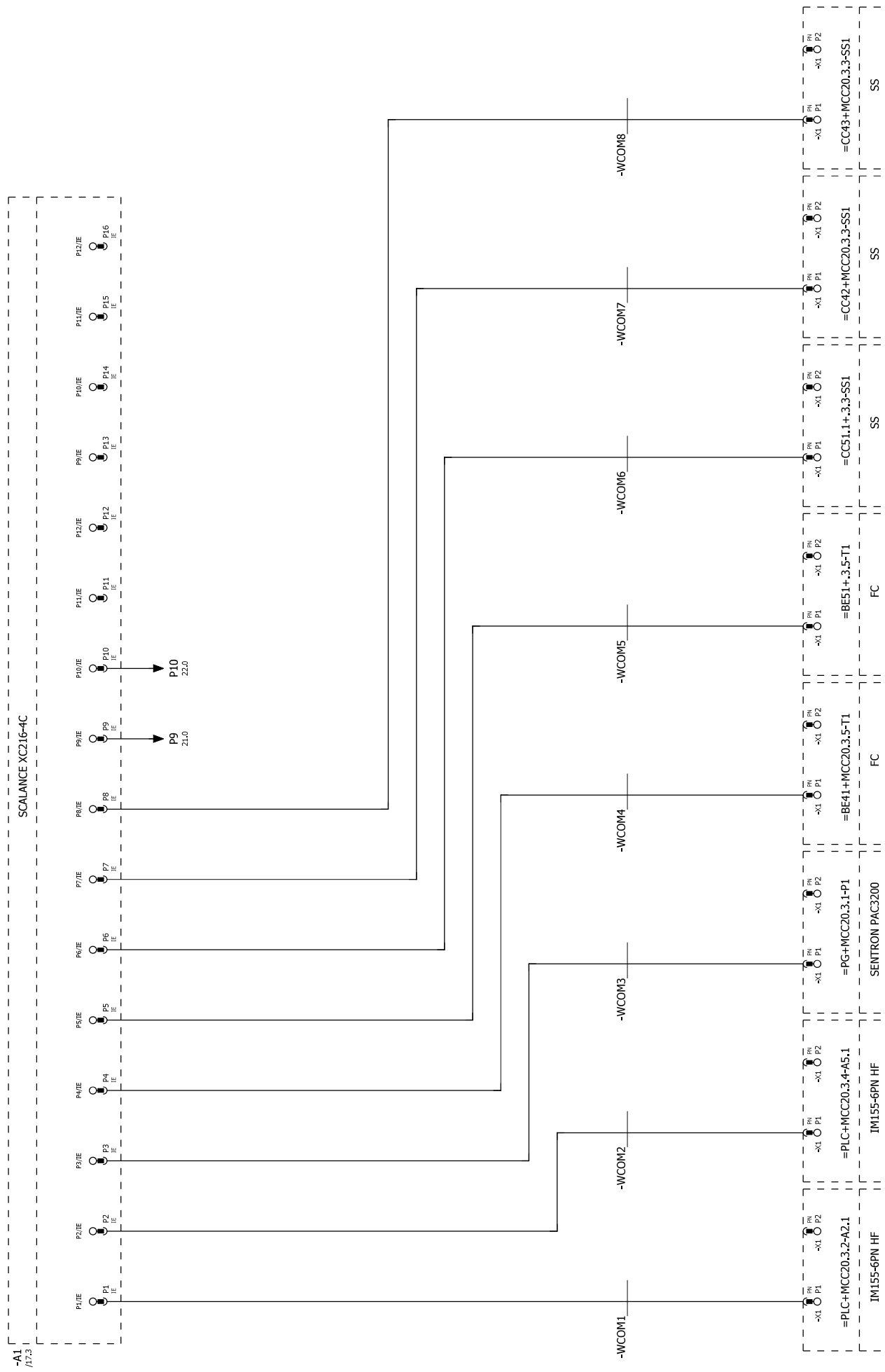
-17.0  
-A2.1

17.0  
SIE.6ES7155-6AU01-0CN0

SIE.6ES7155-6AU01-0CNO  
SIE.6ES7193-6AR00-0AA0



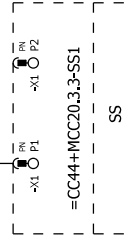




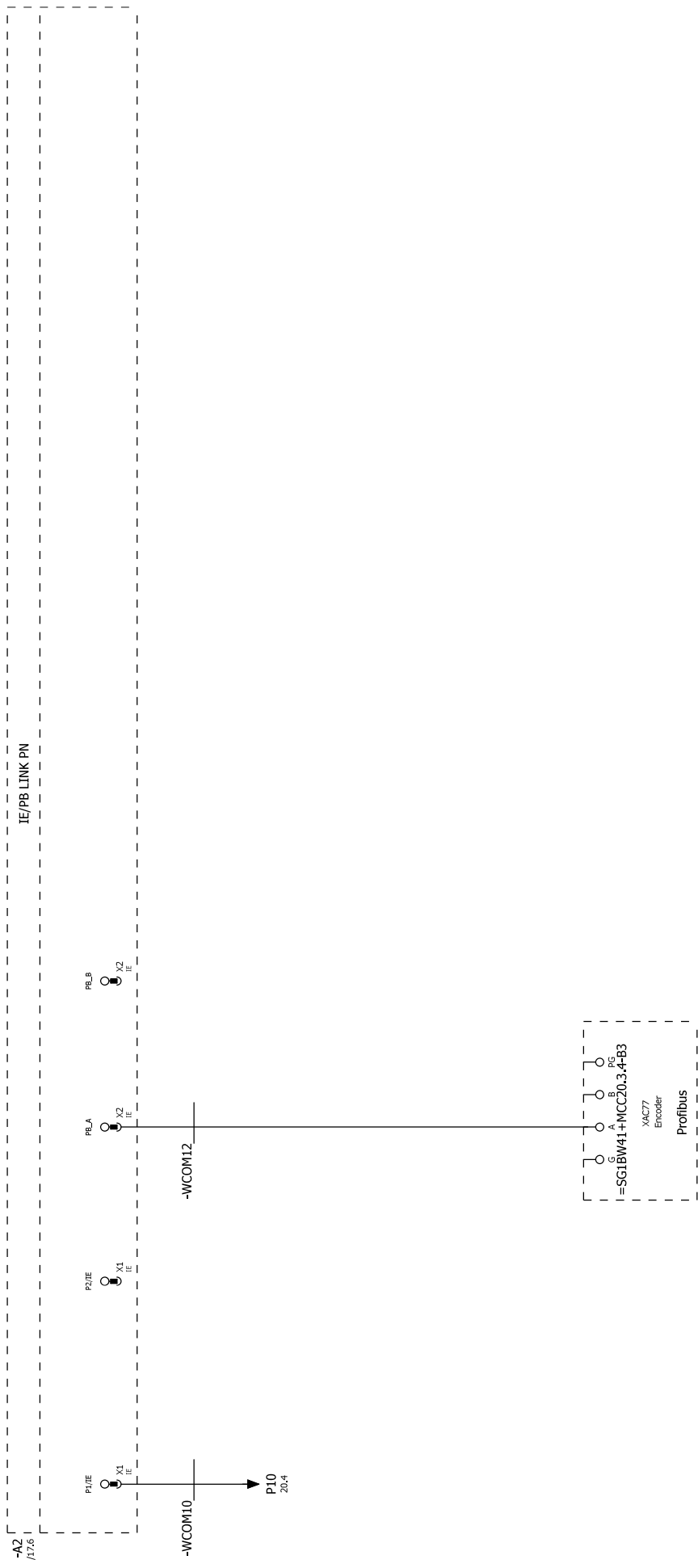


20.4  
p9

-WCOM9

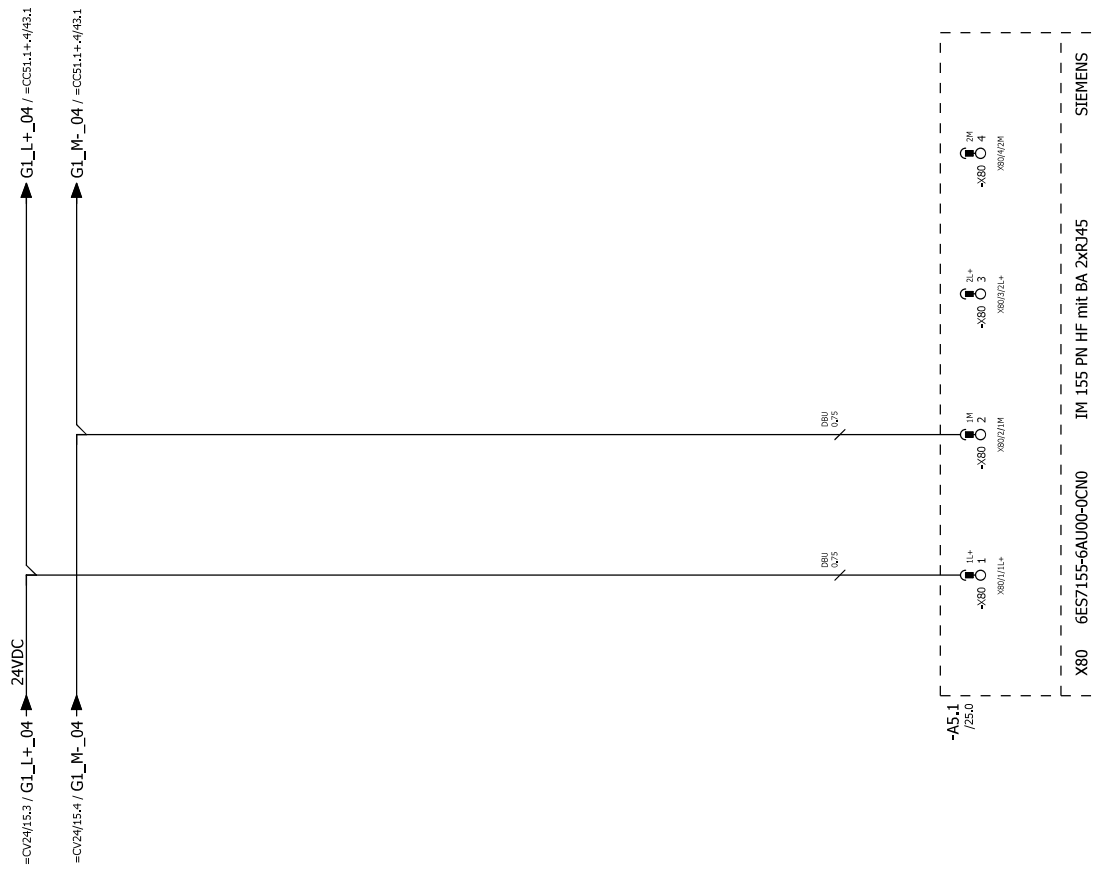






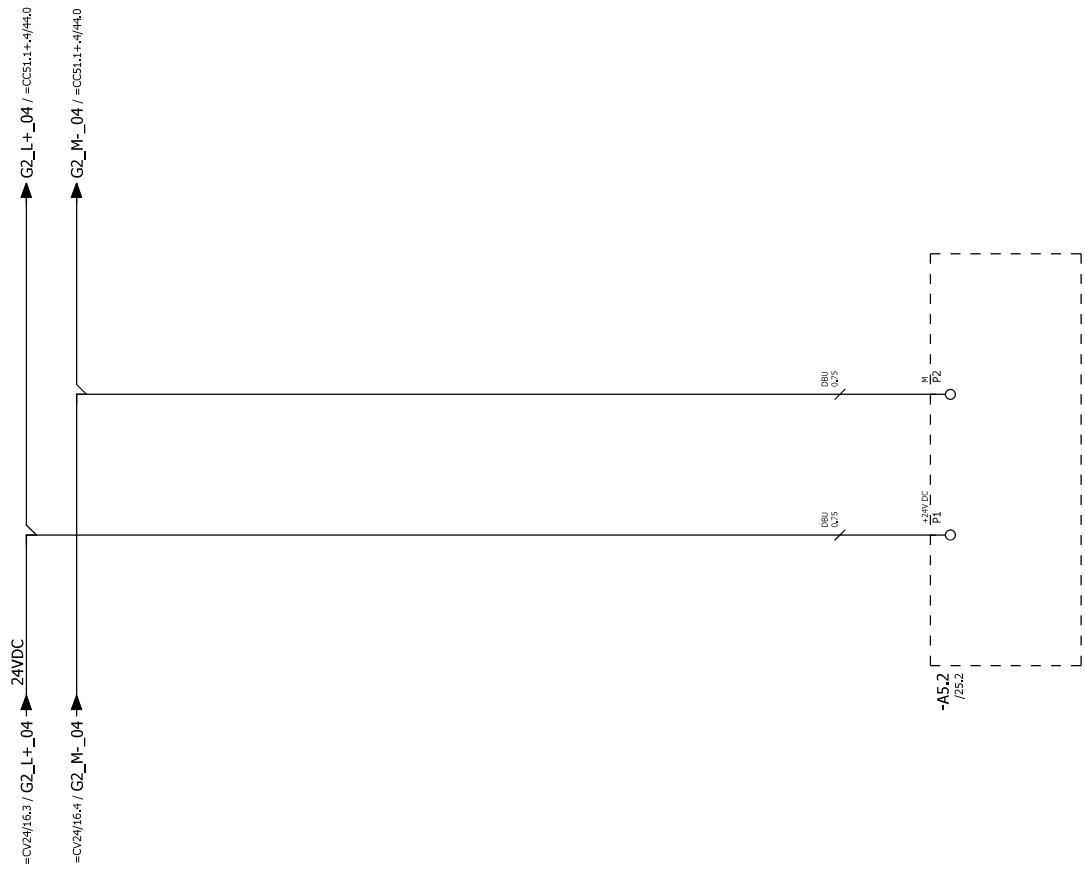


# Alimentare IM155





Alimentare module Rack



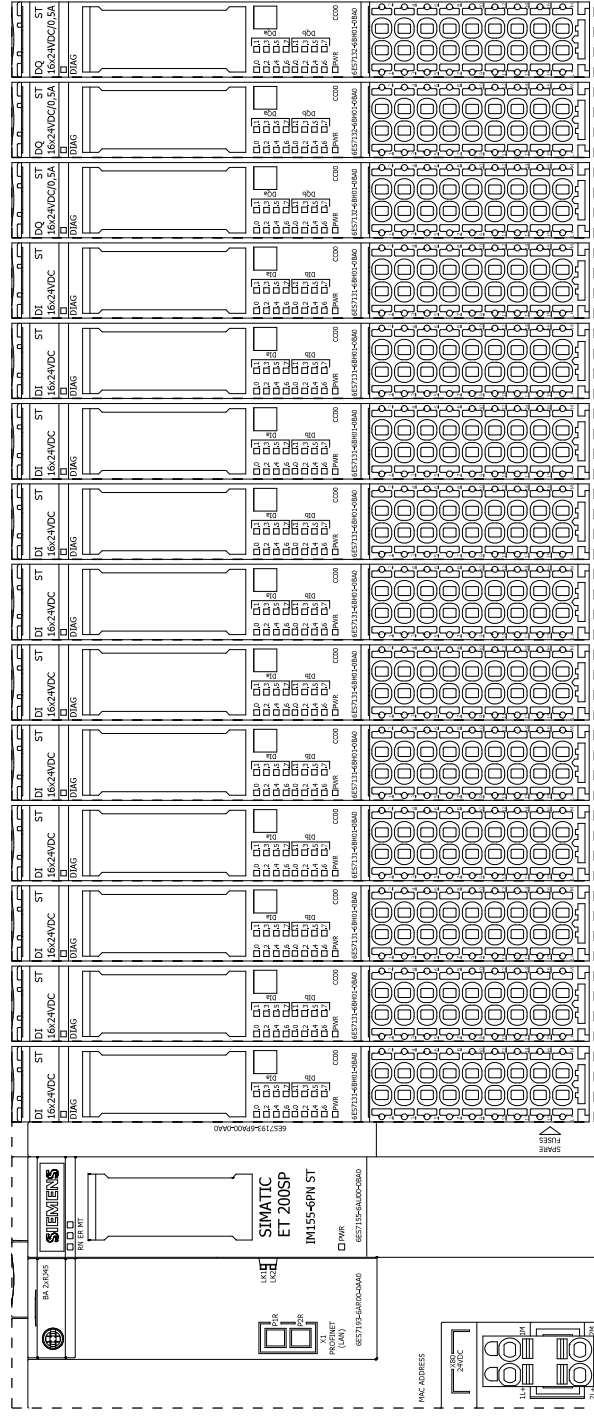


-A5.1

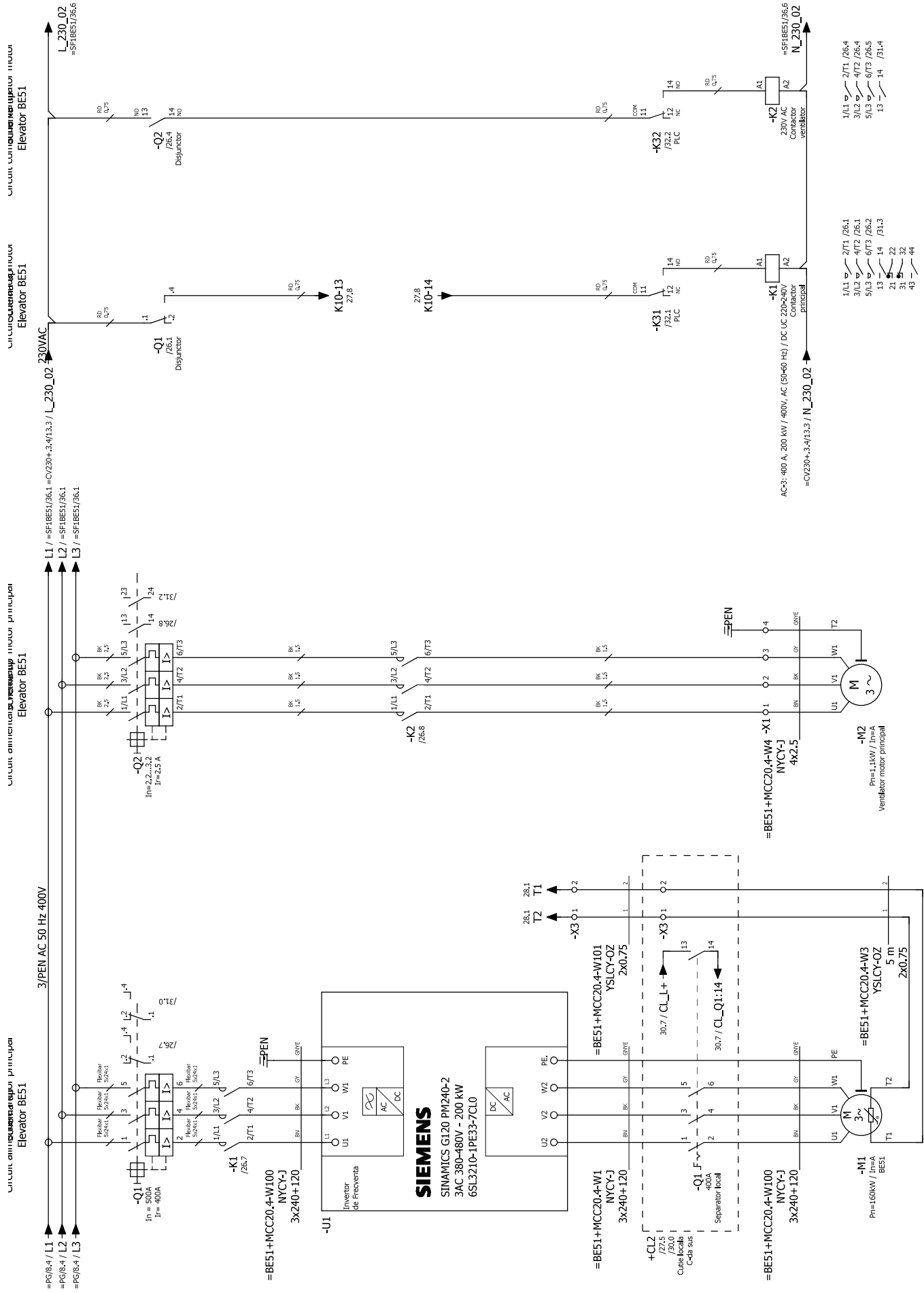
/23.1

SIE.6ES715-6AU01-0CNO

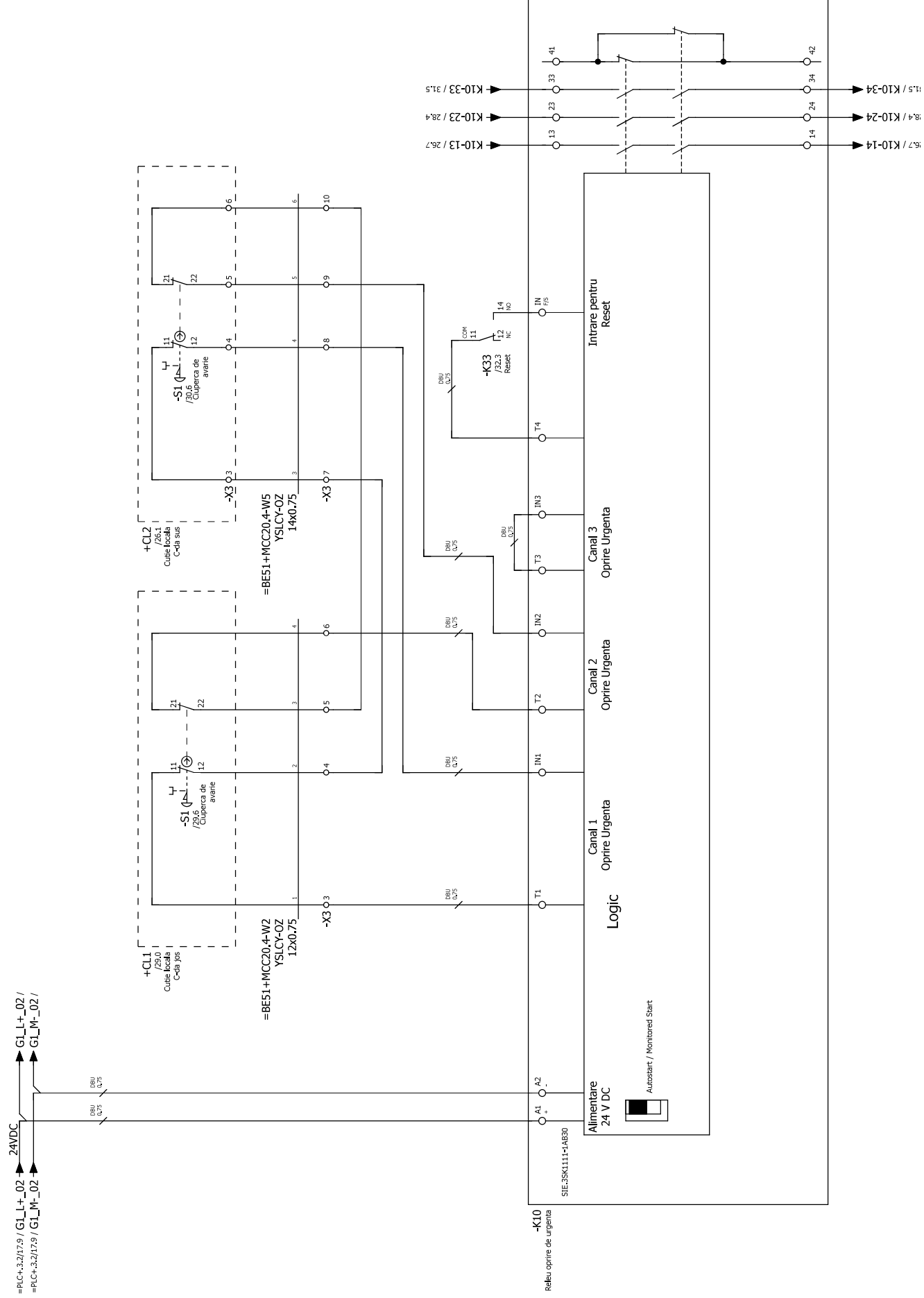
SIE.6ES715-6AU00-0AA0

















28.2 L+ → 24VDC

DSU  
(0.75)

=BE51+MCC20.4-W2 -X3 11

YSLCY-OZ  
150 m  
12x0.75

5

+CL1

/27.2

Cutie locala

Cota jos

13

-S3 F

Negru

L=0

14

23

24

11

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50

=BE51+MCC20.4-W2

YSLCY-OZ

150 m

12x0.75

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D15	=PLC+.3.2x0.3
17003.7	
+CL1-S3:14	
Regim local Elevator BE51 - Cutie CL1	
Jos 1=local	

D10	=PLC+.3.2x0.4
17004.0	
+CL1-S4:14	
Start in regim local Elevator BE51 -	
Cutie CL1 Jos 1=start	

D11	=PLC+.3.2x0.4
17004.1	
+CL1-S5:12	
Stop in regim local Elevator BE51 -	
Cutie CL1 Jos 0=stop	

D12	=PLC+.3.2x0.4
17004.2	
+CL1-S6:14	
Viteza mica Elevator BE51 - Cutie CL1	
Jos 1=viteza mica	

D13	=PLC+.3.2x0.4
17004.3	
+CL1-S3:24	
Regim automat Elevator BE51 - Cutie	
CL1 Jos 1=automat	

D14	=PLC+.3.2x0.4
17004.4	
+CL1-S1:32	
Cuiperca oprire urgenta cutie jos	
Elevator BE51, 1=ok	

-S1  
/27.3  
Cuiperca  
avarie

-S6 F  
Viteza mica

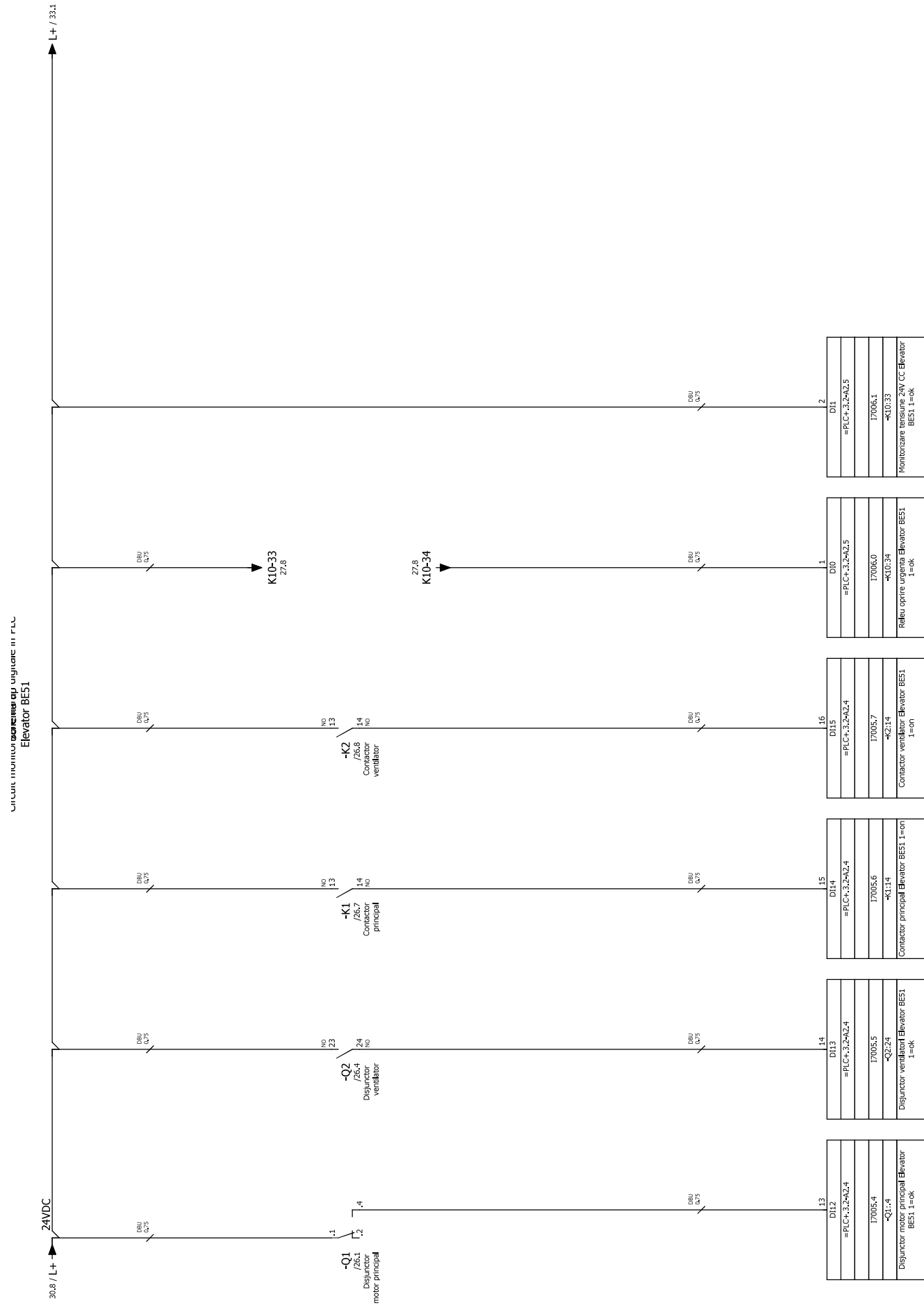
-S5 E  
Rosu  
Stop

-S4 E  
Verde  
Start



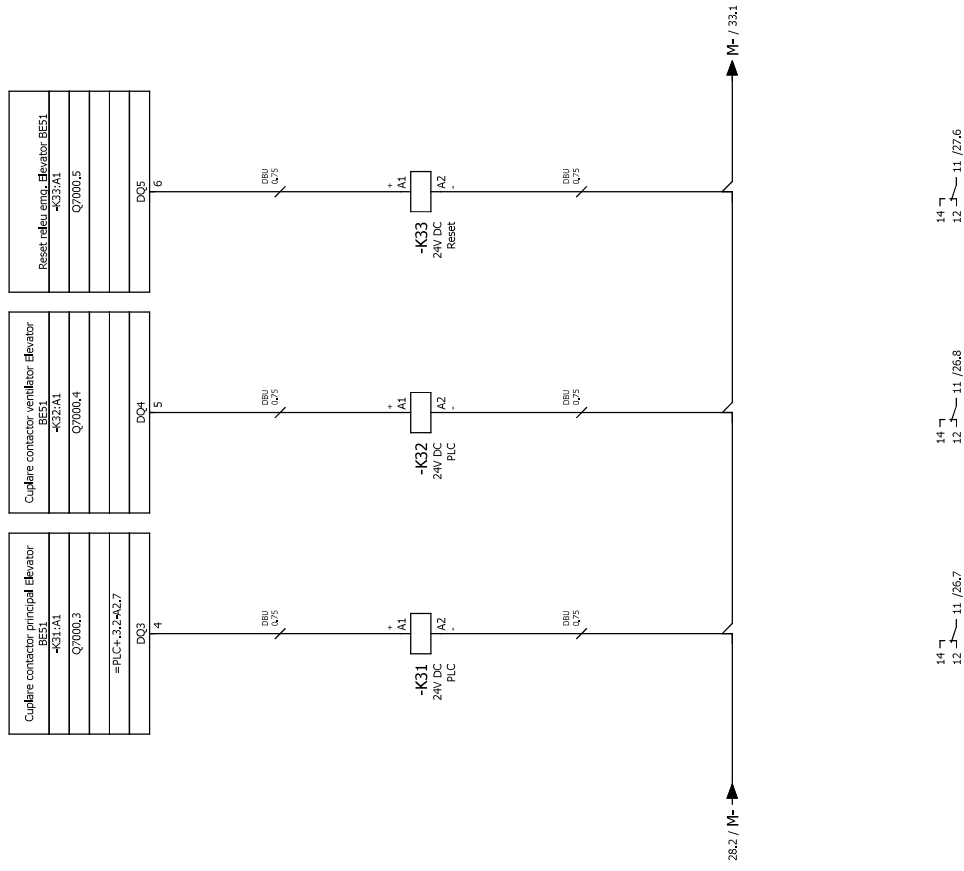








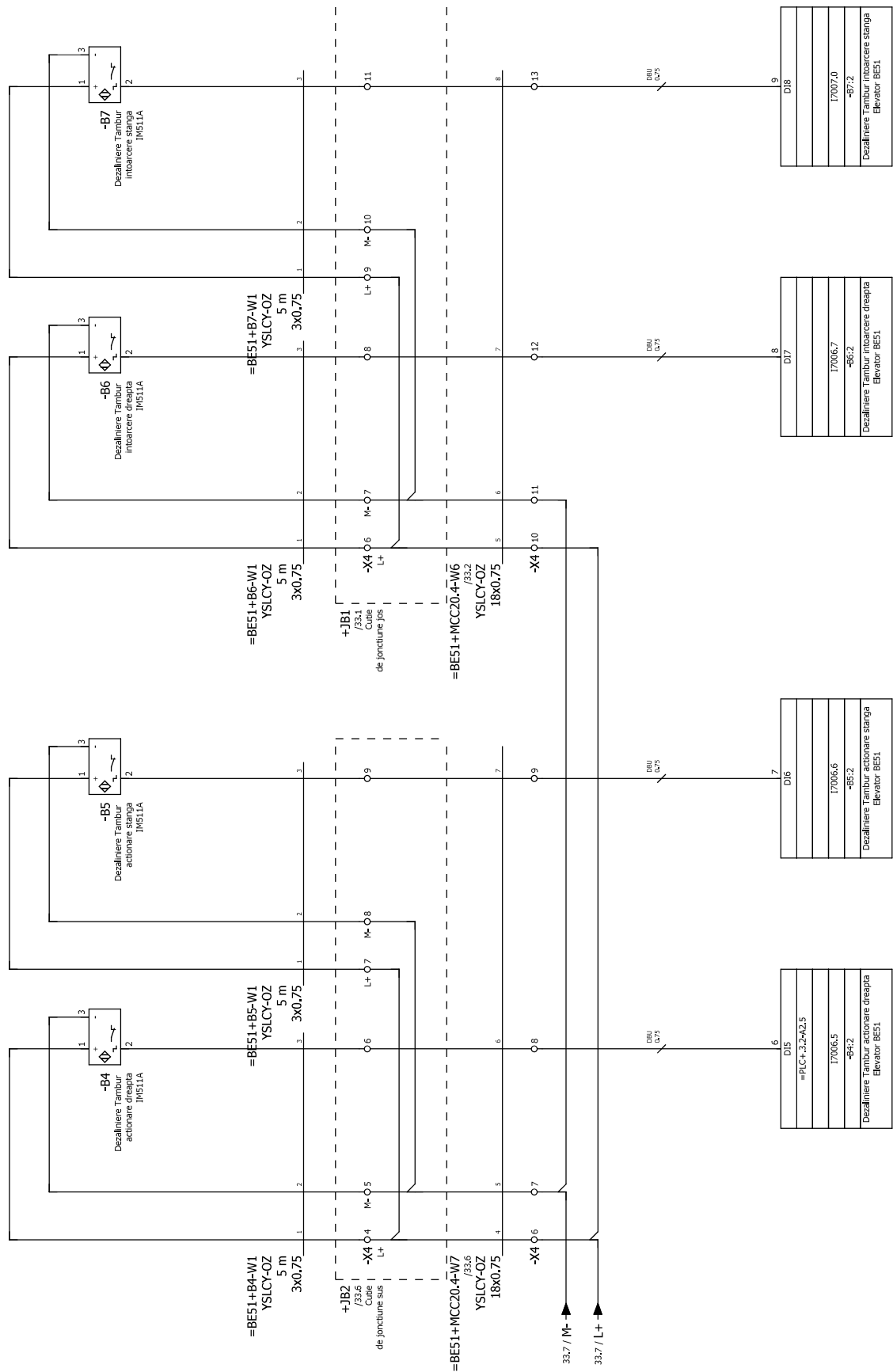
Unité de commande  
Elevator BE51





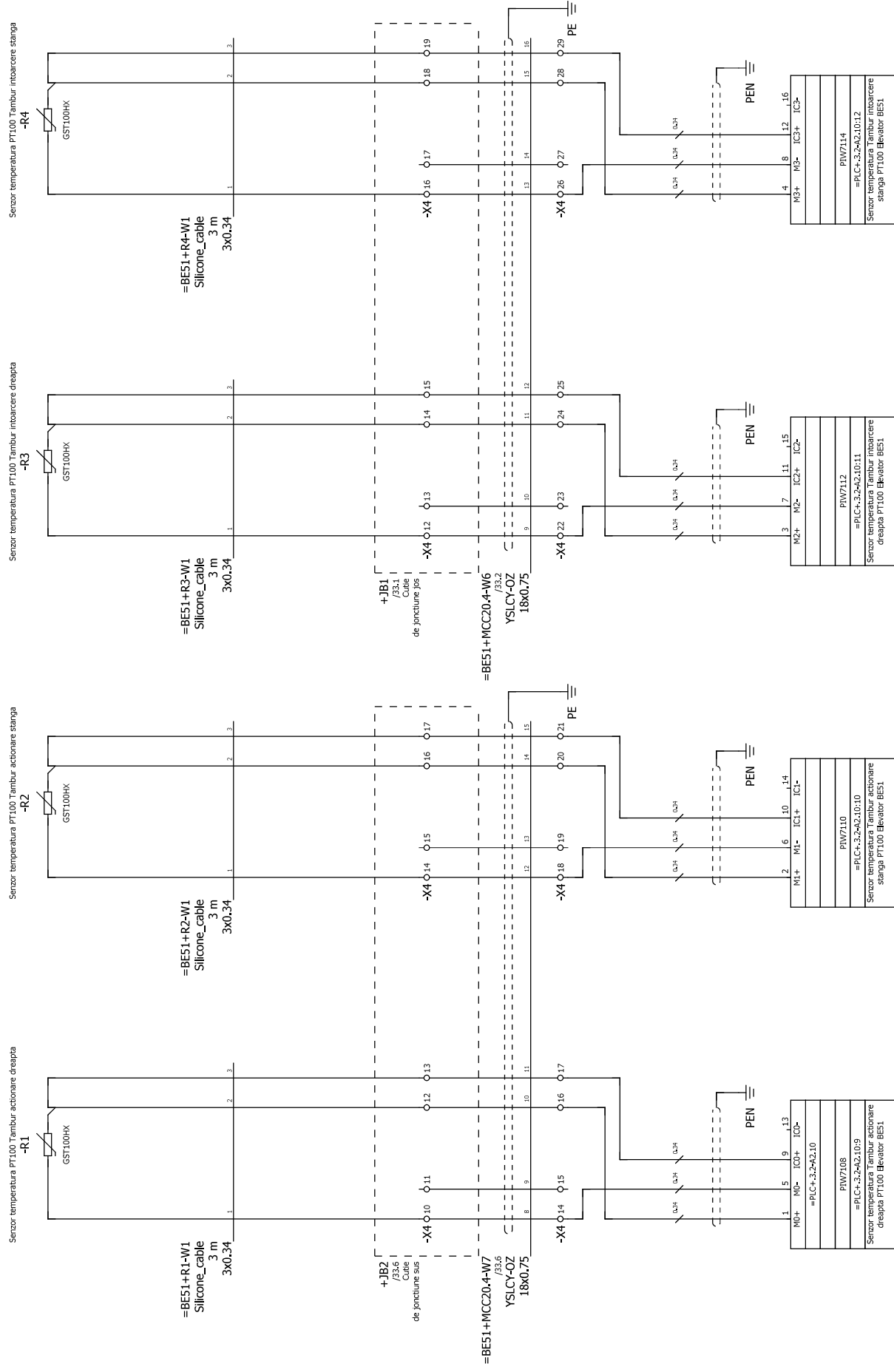




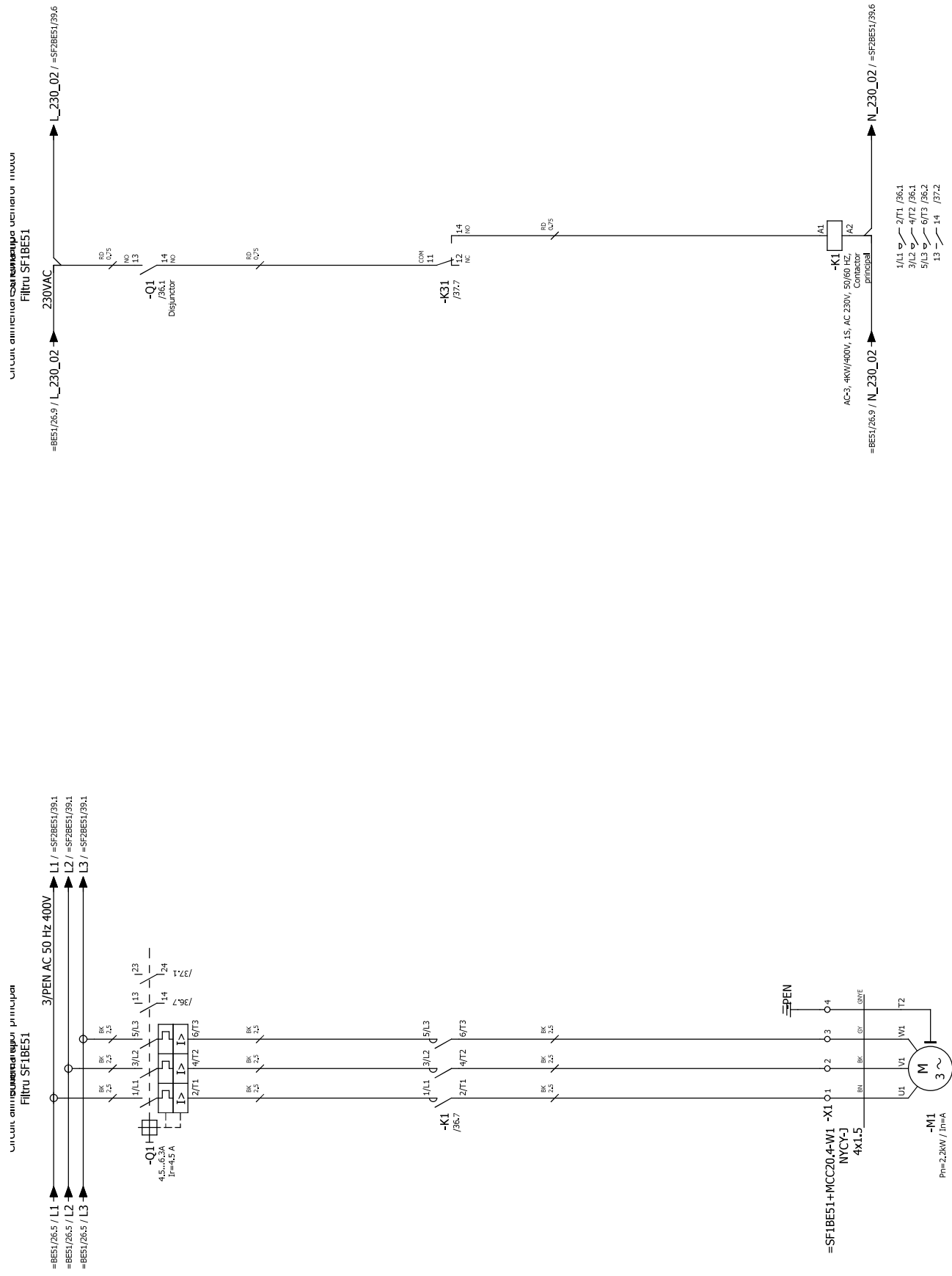




CIRCUIT MULTICANALIZARE SENSIBILIZARE TEMPERATURĂ TAMBURII  
Elevator BE51









=BE51/28.5 / G2\_L+\_02 → 24VDC → G2\_L+\_02 / =SF2BE51/40.1

DBU 0,75

NS

23

NO

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NO

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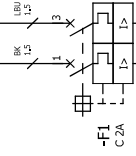
13

NO

14



=PG/8.3 / PG\_L / PG\_N → 230V AC 50 Hz → PG\_L / =SF2BE51/41.1  
=PG/8.3 / PG\_N → PG\_N / =SF2BE51/41.1



-F1  
C.2A

-Y1

-Y2

-Y3

-Y4

-Y5

-Y6

-Y7

-Y8

-Y9

-Y10

-Y11

-Y12

-Y13

-Y14

-Y15

-Y16

-Y17

-Y18

-Y19

-Y20

-Y21

-Y22

-Y23

-Y24

-Y25

-Y26

-Y27

-Y28

-Y29

-Y30

-Y31

-Y32

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-Y34

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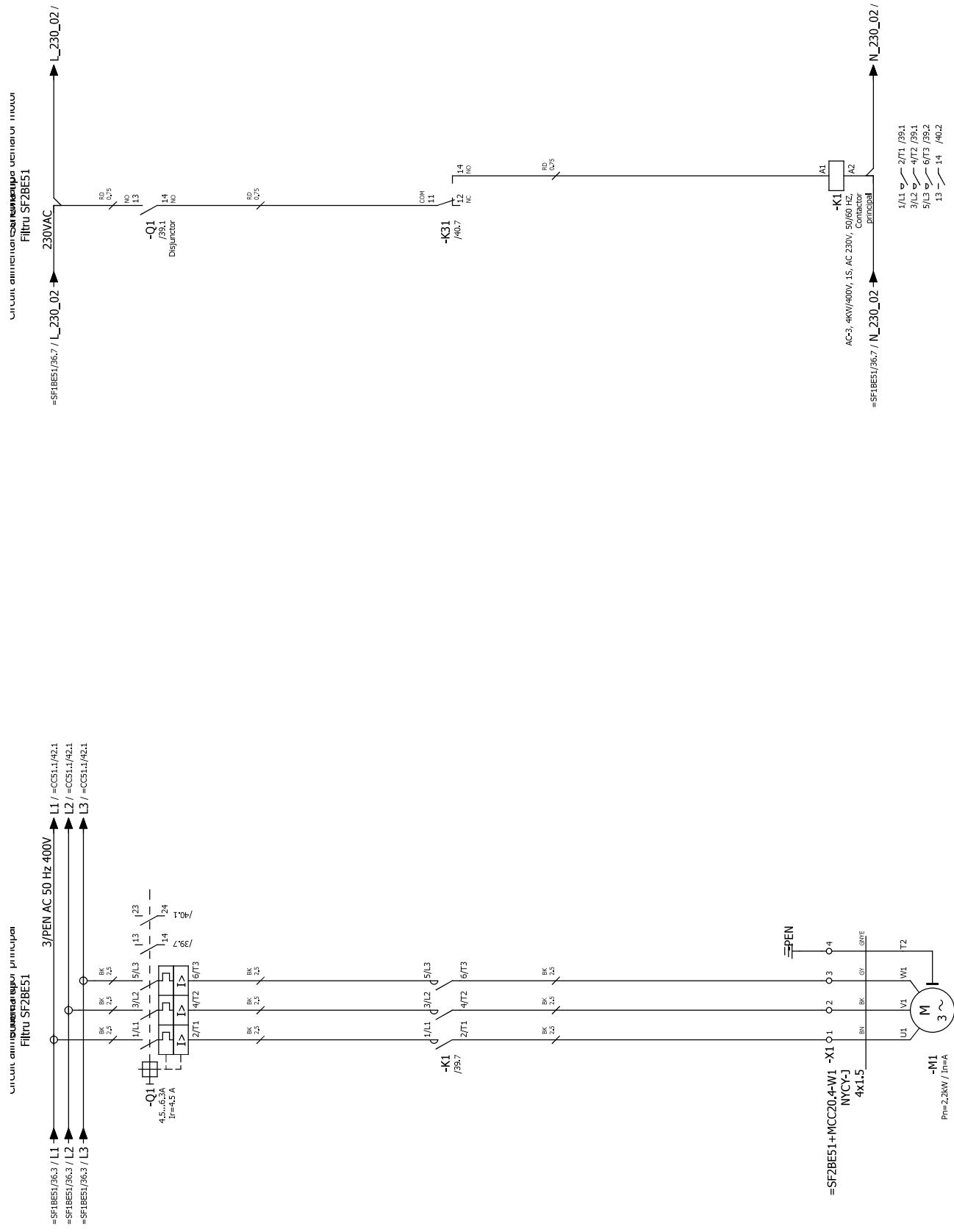
-Y294

-Y295

-Y296

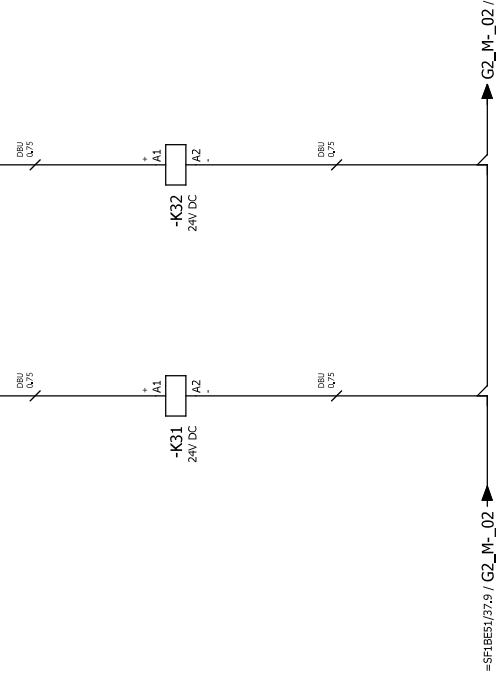
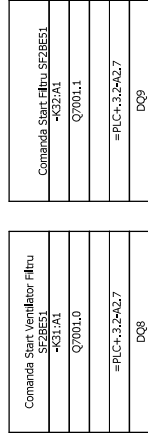
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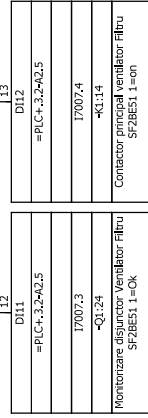




=SF1BE51/37.2 / G2\_L+\_02 → 24VDC → G2\_L+\_02 / =PG7.1

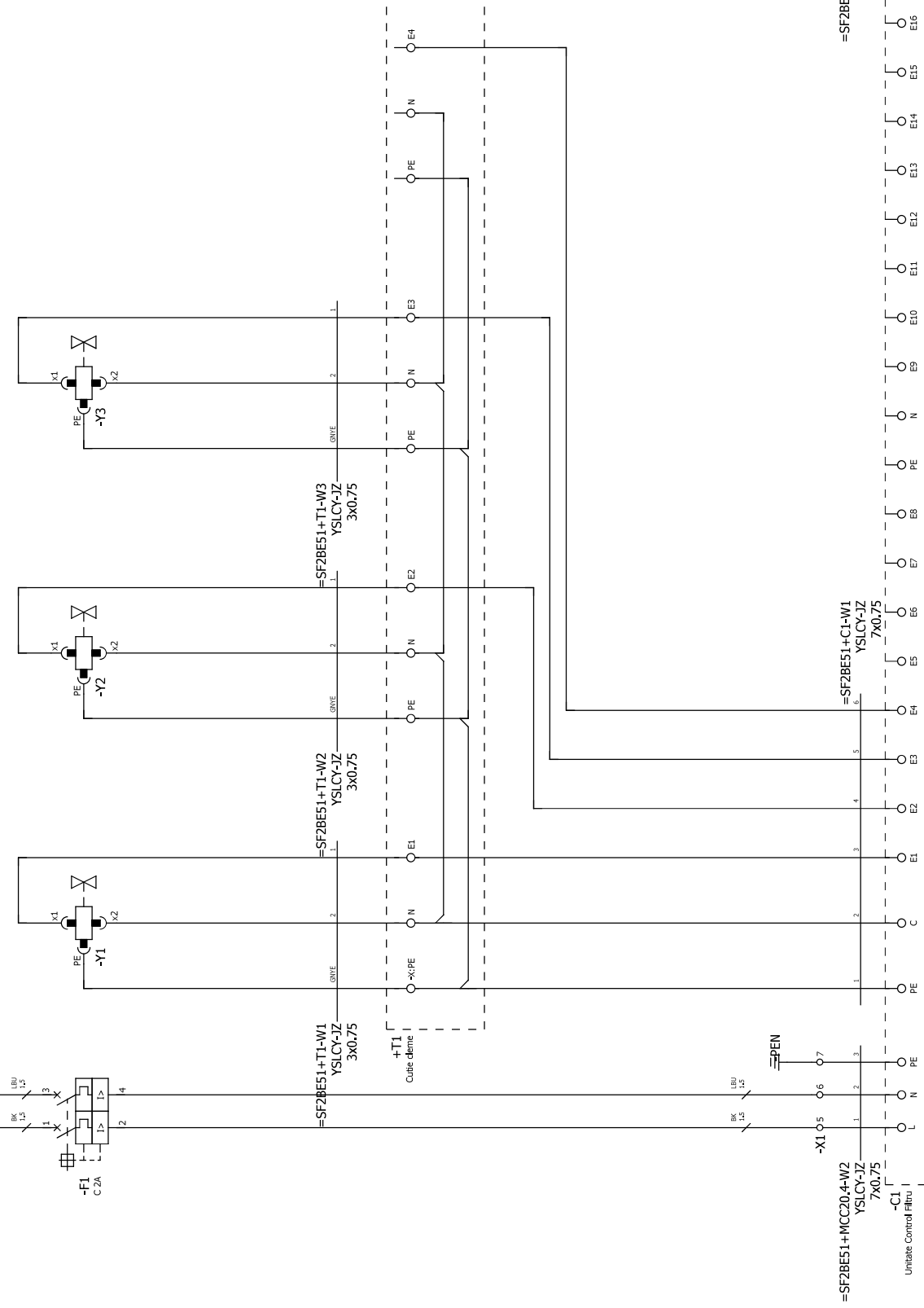


14 12 11 /39.7 11 /41.9

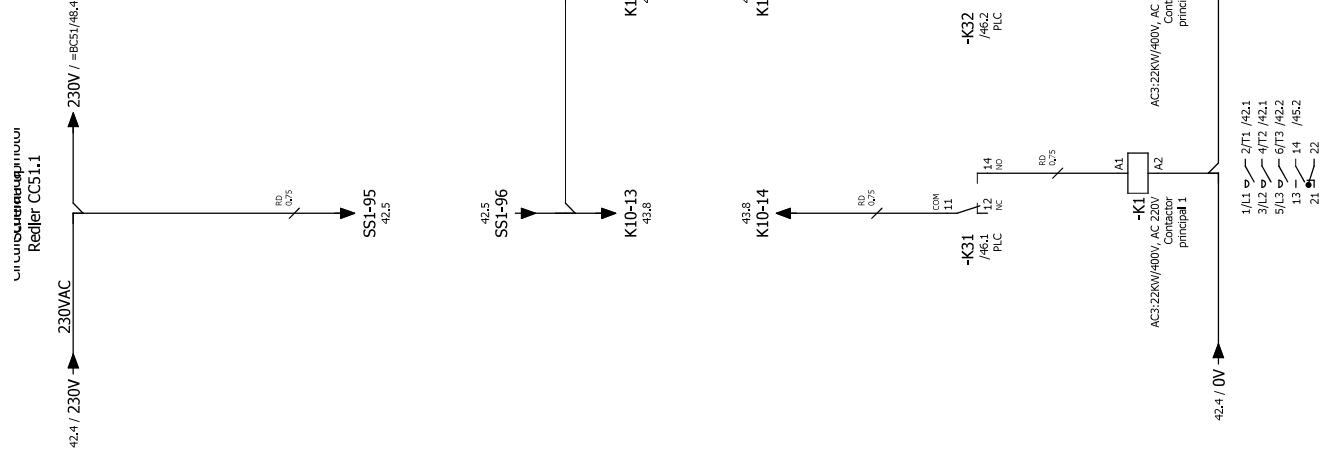
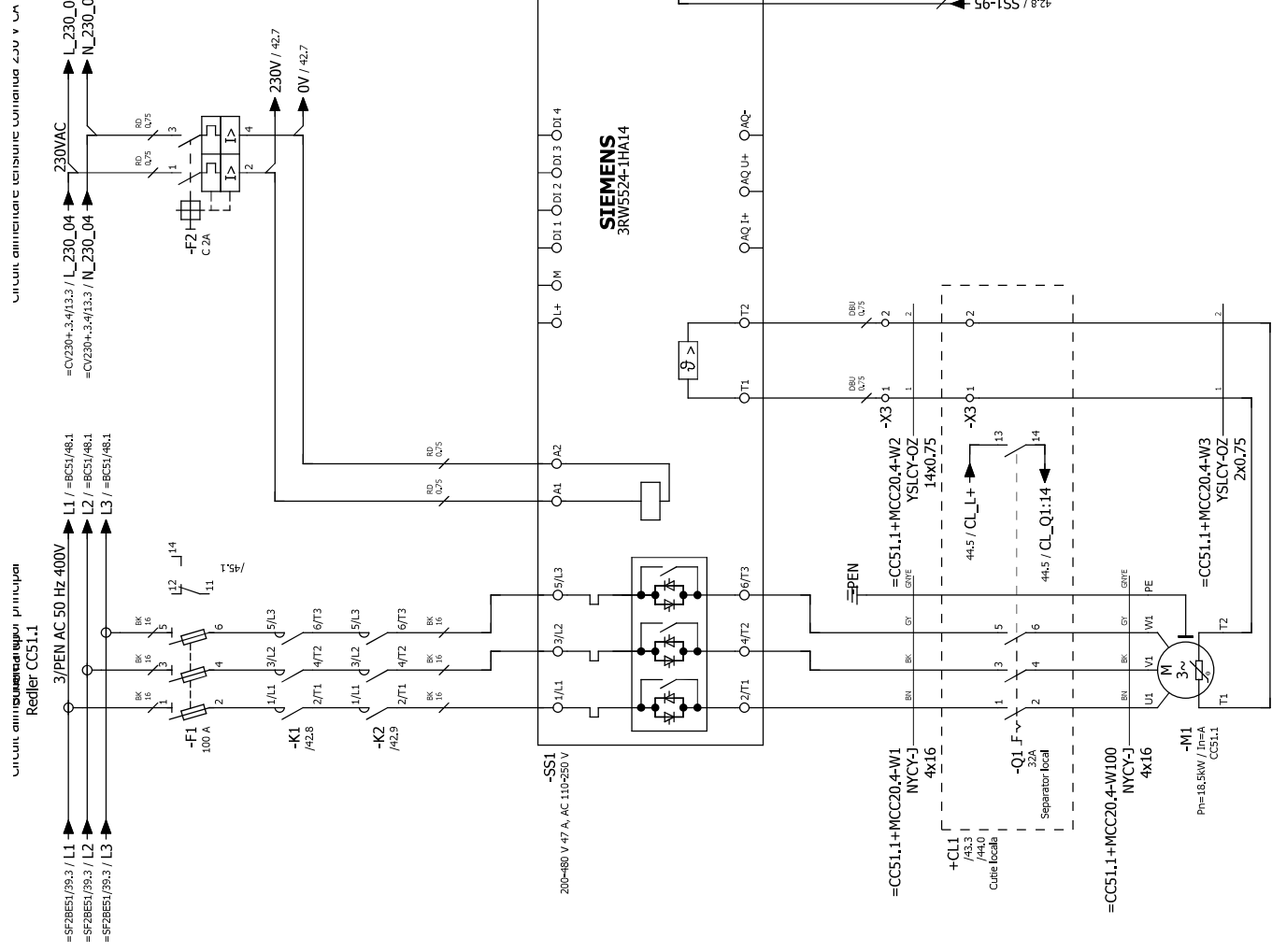




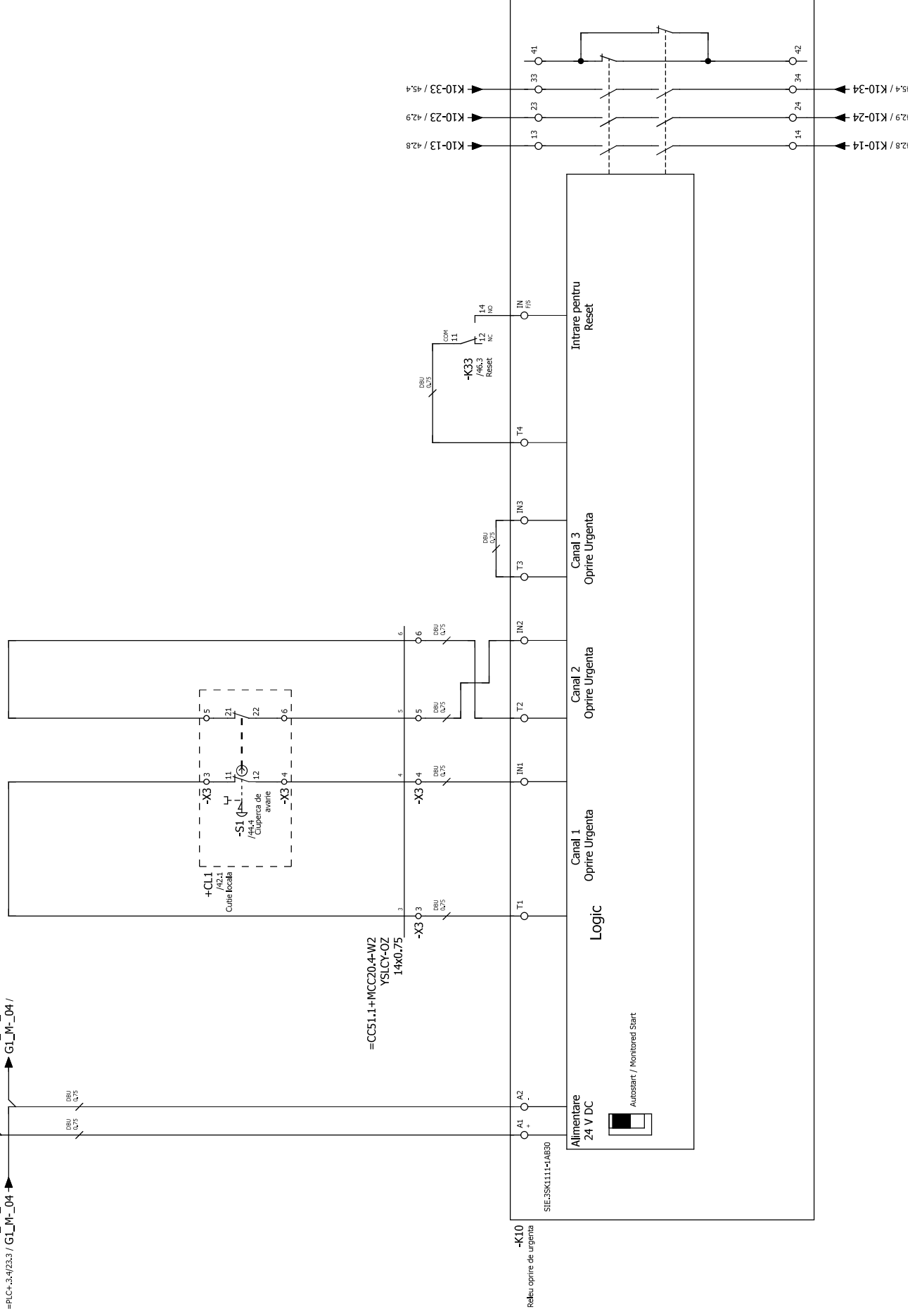
=SF1BE51/38.3 / PG\_L / 230V AC 50 Hz PG\_L /  
=SF1BE51/38.3 / PG\_N / PG\_N /





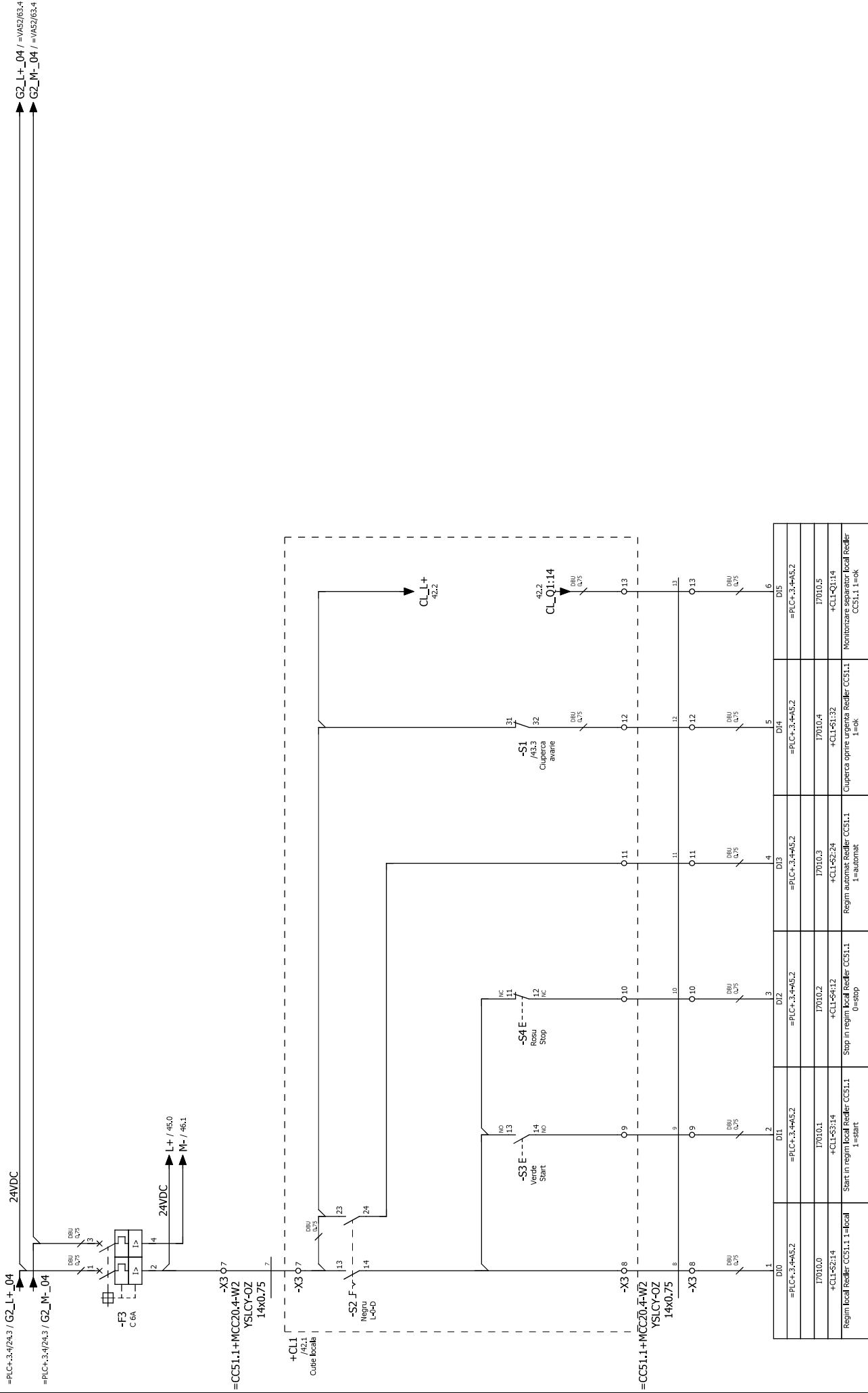




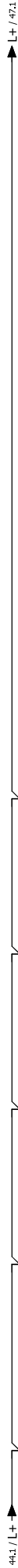




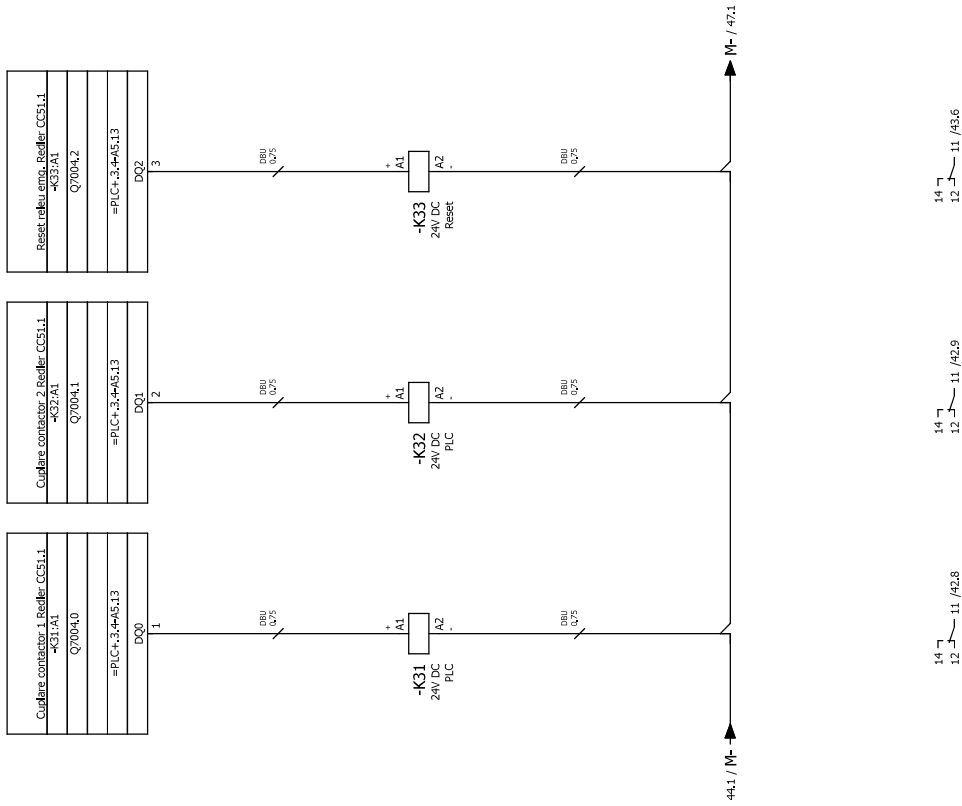
Circuit de monitorizare local  
Redler CC51.1





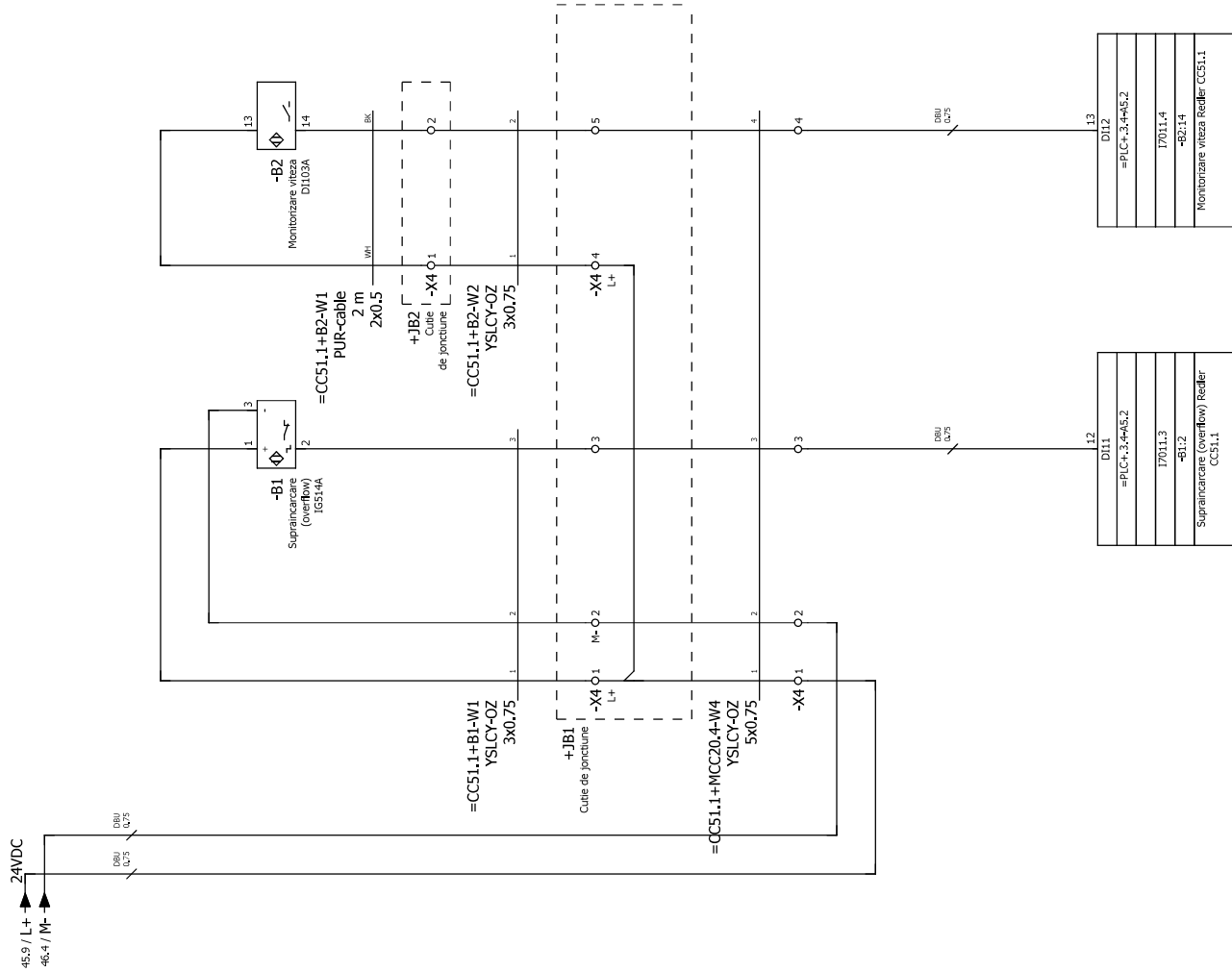








Circuitul monitorizării vitezei  
Redler CC51.1





Circuit alimentare echipa principal  
Banda transportoare BC51

=CC51.1/42.2 / L1 -  
=CC51.1/42.2 / L2 -  
=CC51.1/42.2 / L3 -

3/PEN AC 50 Hz 400V

L1 / =V452/63.1  
L2 / =V452/63.1  
L3 / =V452/63.1

-F1  
160 A

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Circuit alimentare echipa transportoare BC51

48.6 / L\_230\_05 / 48.4  
48.6 / N\_230\_05 / 48.4

230VAC

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Circuit alimentare echipa principal  
Banda transportoare BC51

230V

230VAC

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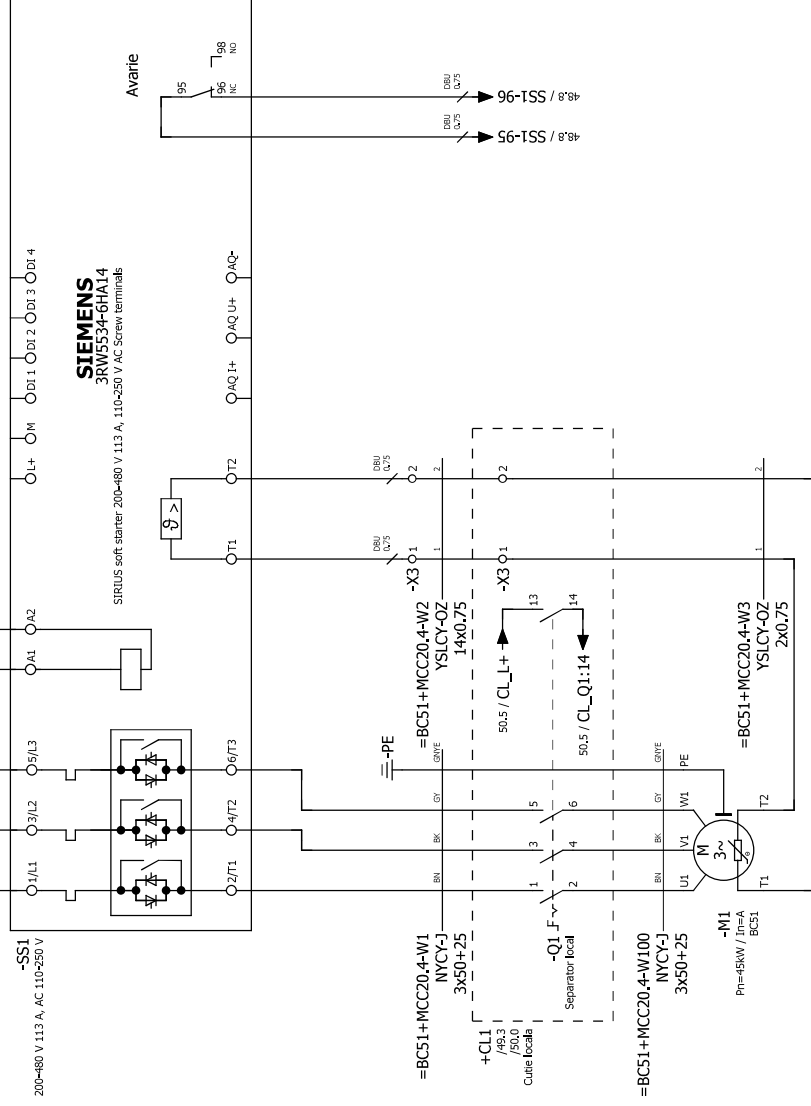
1 2 3 4

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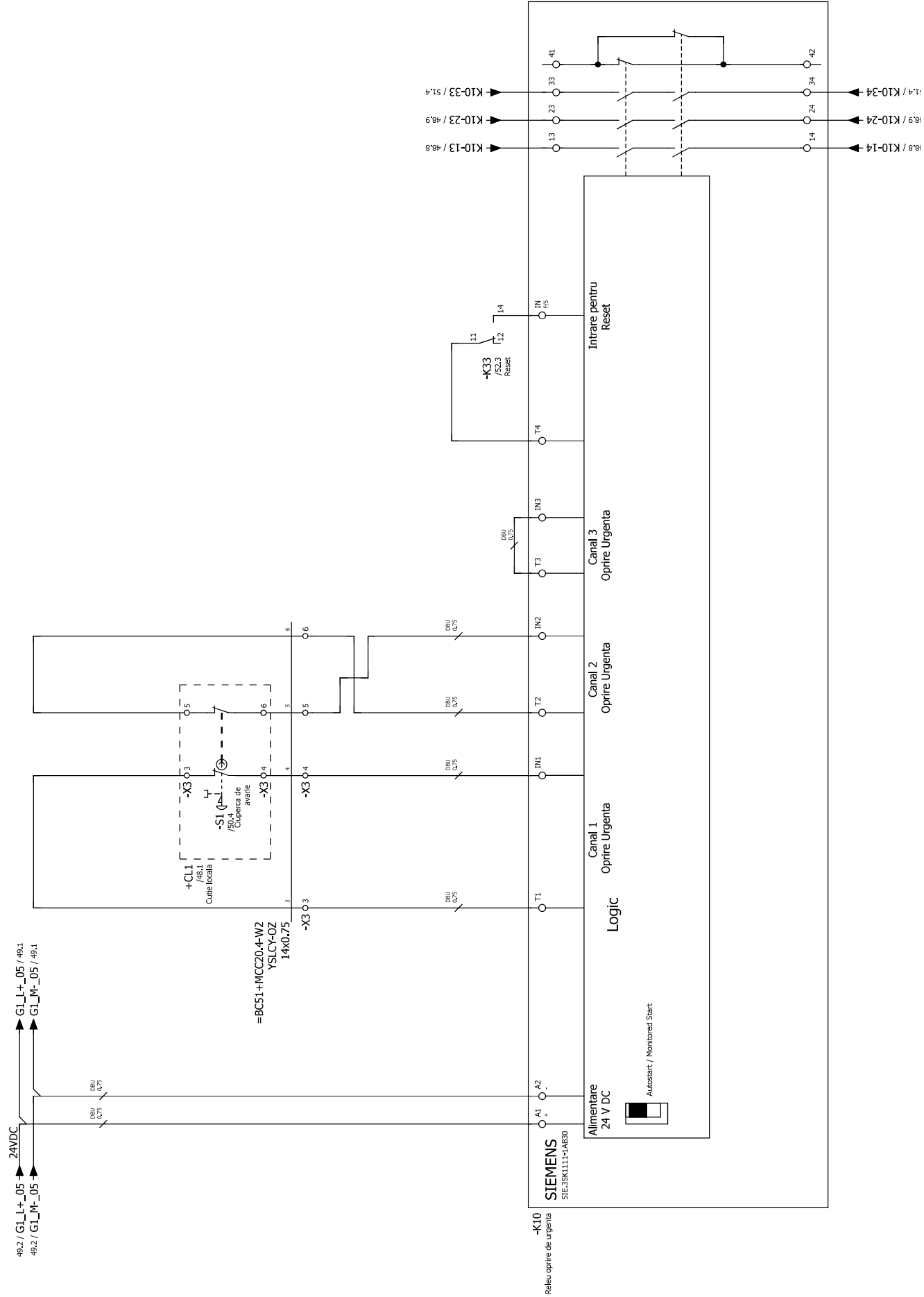
1 2 3 4



1/L1 2/T1 /48.1  
3/L2 4/T2 /48.1  
5/L3 6/T3 /48.2  
13 14 /51.3  
21 22  
31 32  
43 44

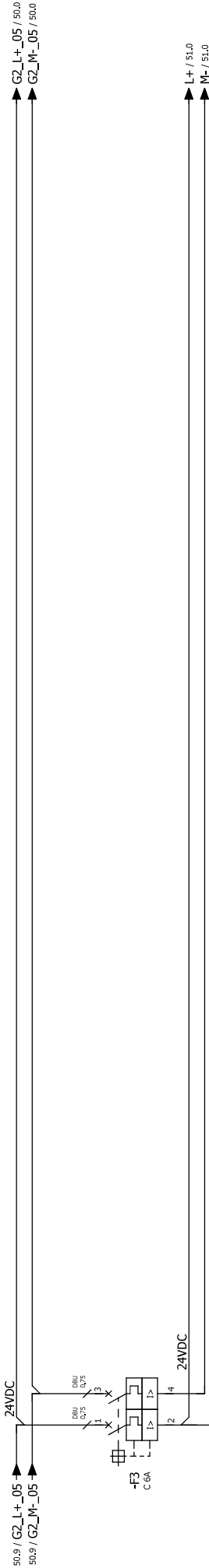
1/L1 2/T1 /48.1  
3/L2 4/T2 /48.1  
5/L3 6/T3 /48.2  
13 14 /51.2  
21 22  
31 32  
43 44



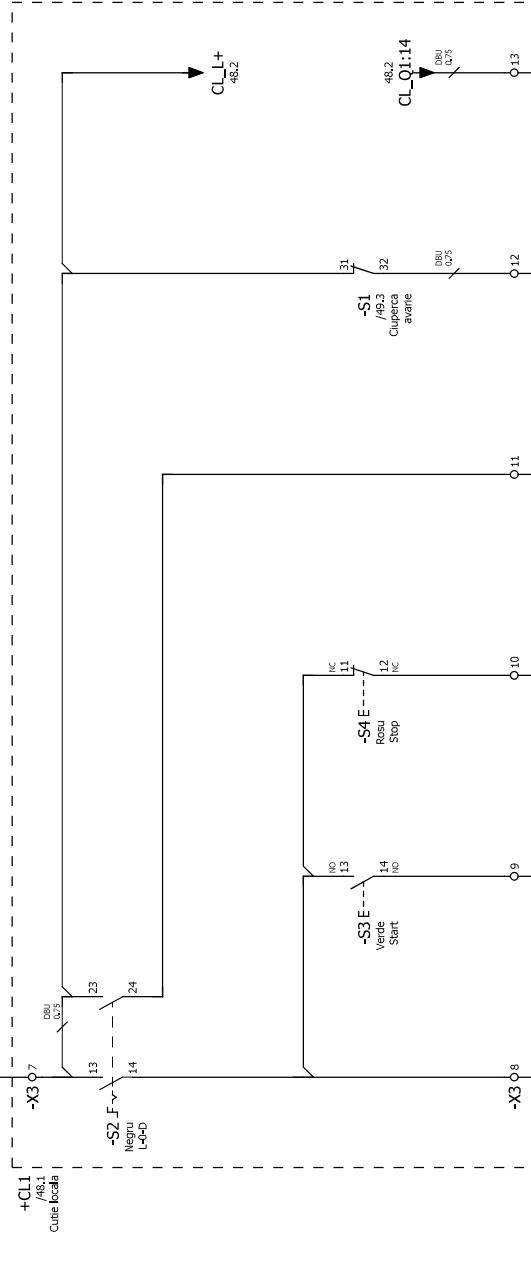




Unită de alimentare locală  
Banda transportoare BC51



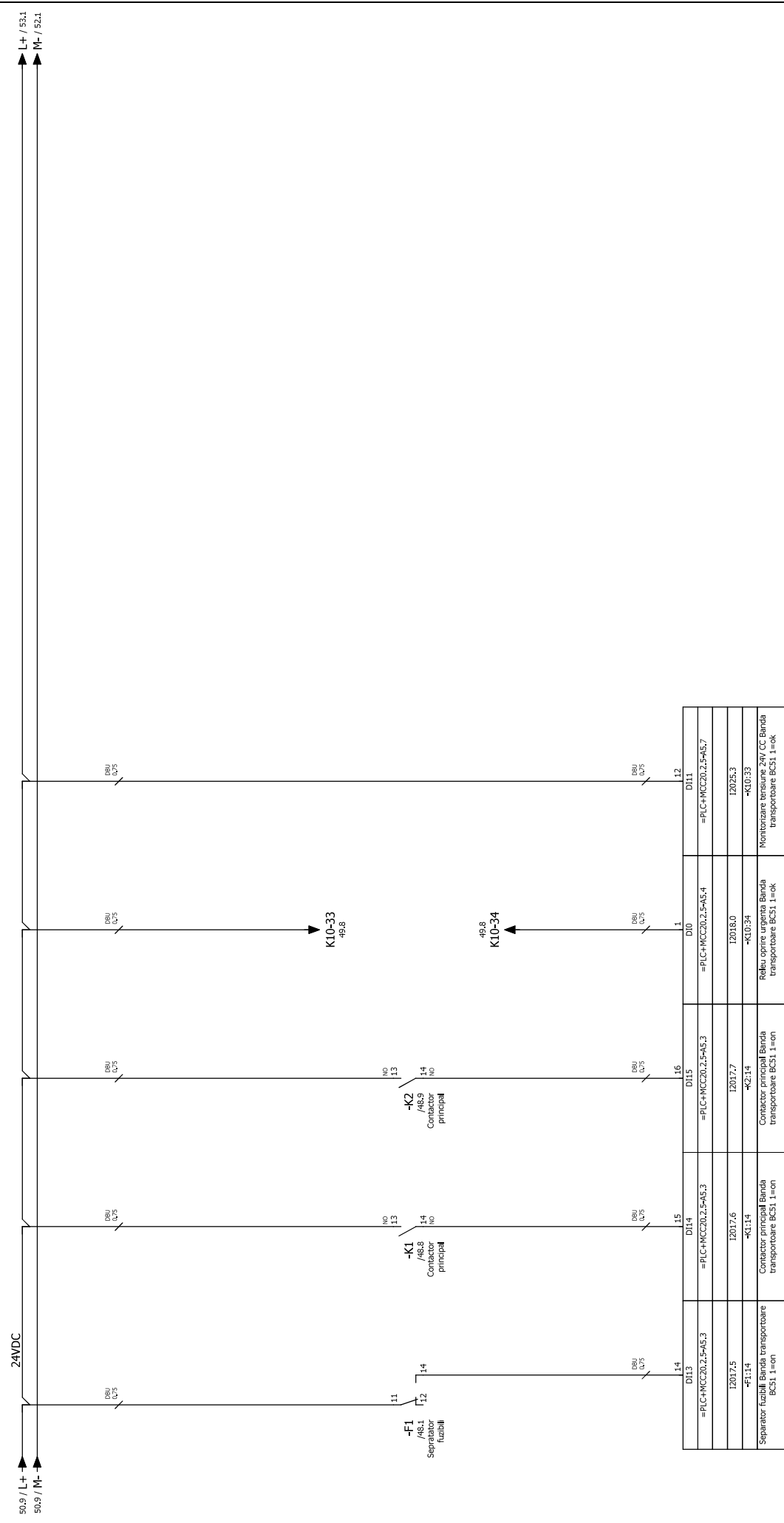
=BC51+MCC20.4-W2  
YSLCY-OZ  
14x0.75



=BC51+MCC20.4-W2  
YSLCY-OZ  
14x0.75

D18	D19	D110	D111	D112	D16
=PLC+MCC20.2.5+A5.3	=PLC+MCC20.2.5+A5.3	=PLC+MCC20.2.5+A5.3	=PLC+MCC20.2.5+A5.3	=PLC+MCC20.2.5+A5.3	=PLC+MCC20.2.5+A5.3
12017.0	12017.1	12017.2	12017.3	12017.4	12016.6
+CL1-S2:14	+CL1-S3:14	+CL1-S4:12	+CL1-S2:24	+CL1-S1:32	+CL1-Q1:14
Regim local Banda transportoare BC51 1=local	Start in regim local Banda transportoare BC51, 1=start	Stop in regim local Banda transportoare BC51, 0=stop	Regim automat Banda transportoare BC51, 1=automat	Cupercă oprire urgență Banda transportoare BC51, 1=ok	Monitorizare separator Kcal Banda transportoare BC51, 1=ok

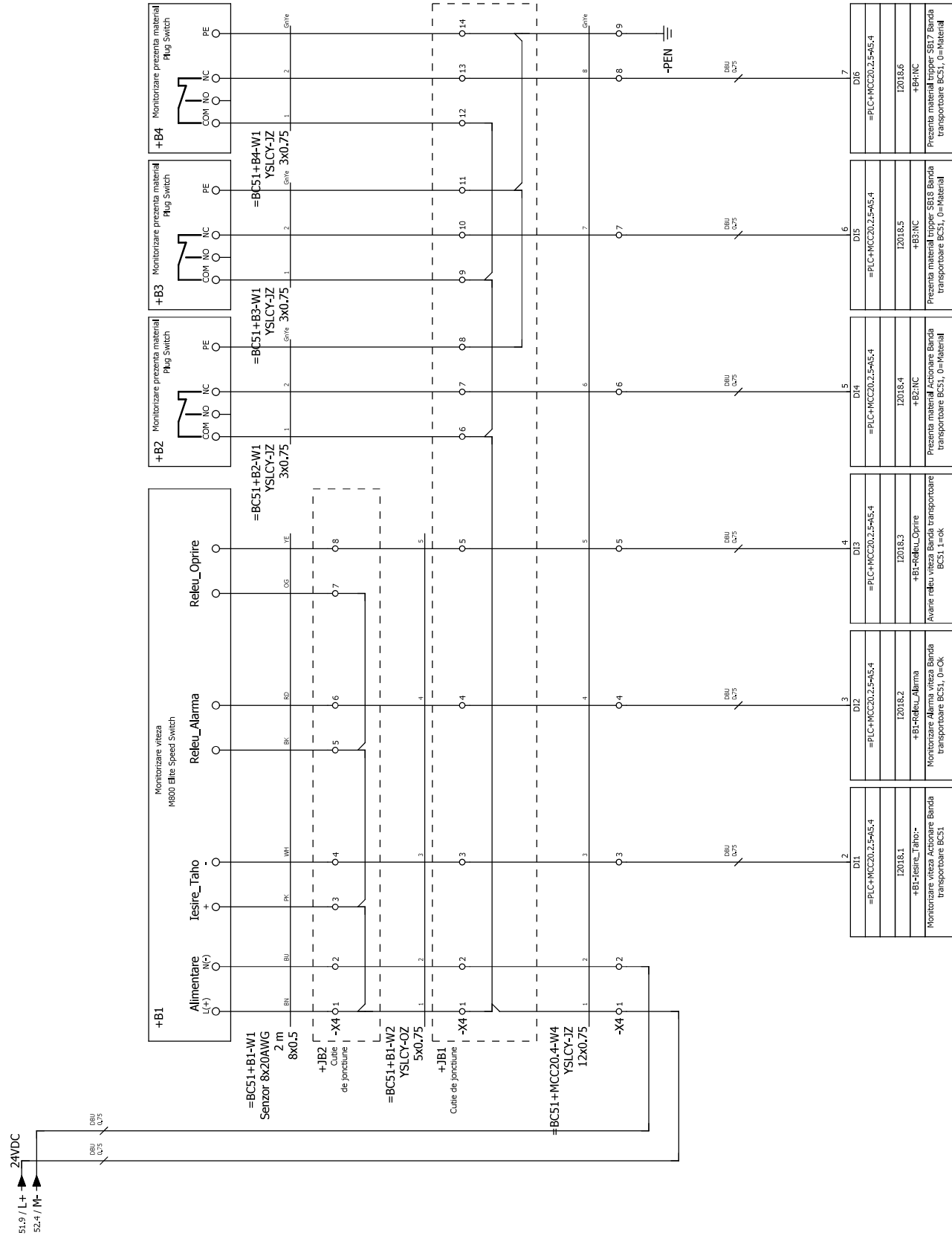




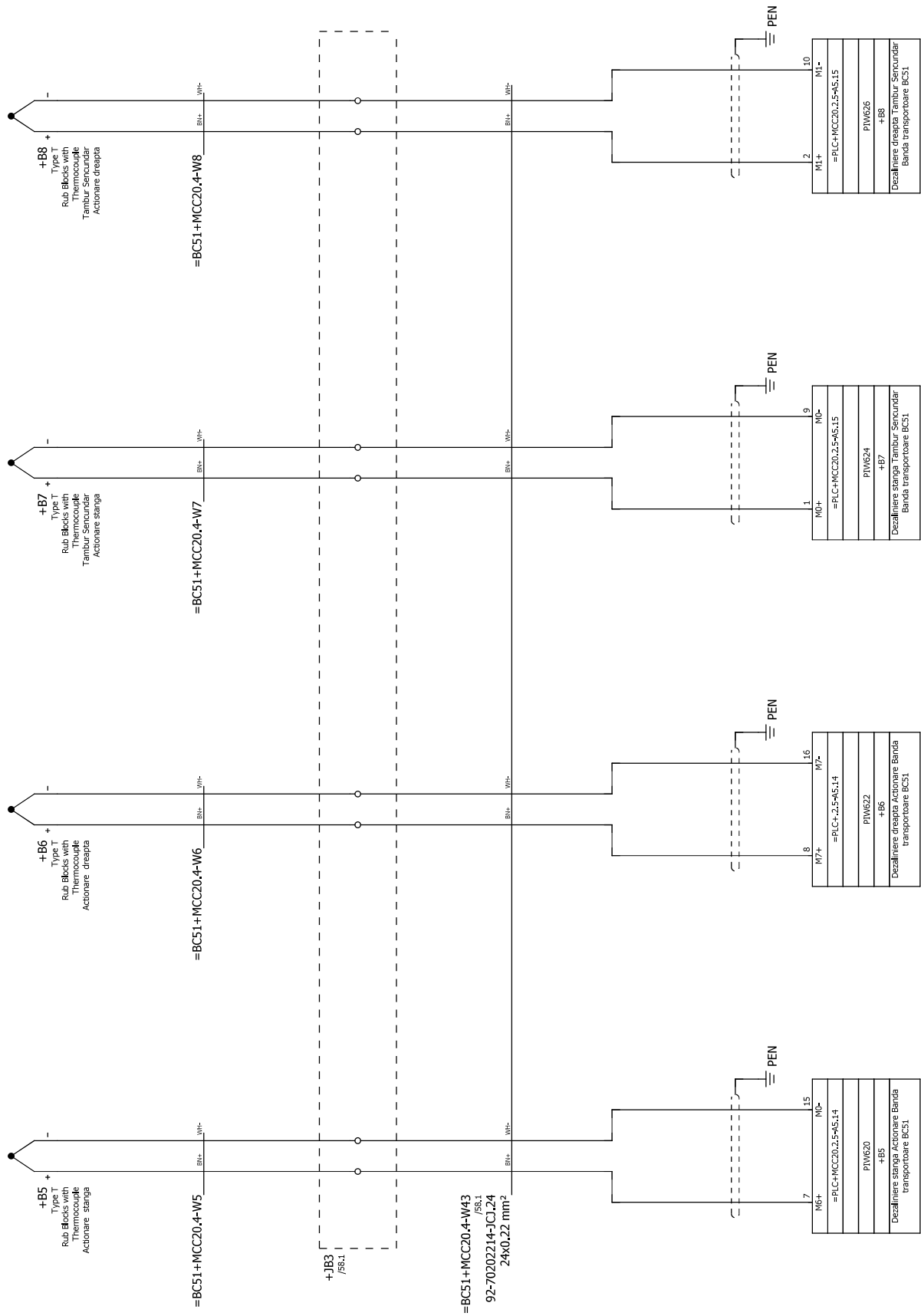




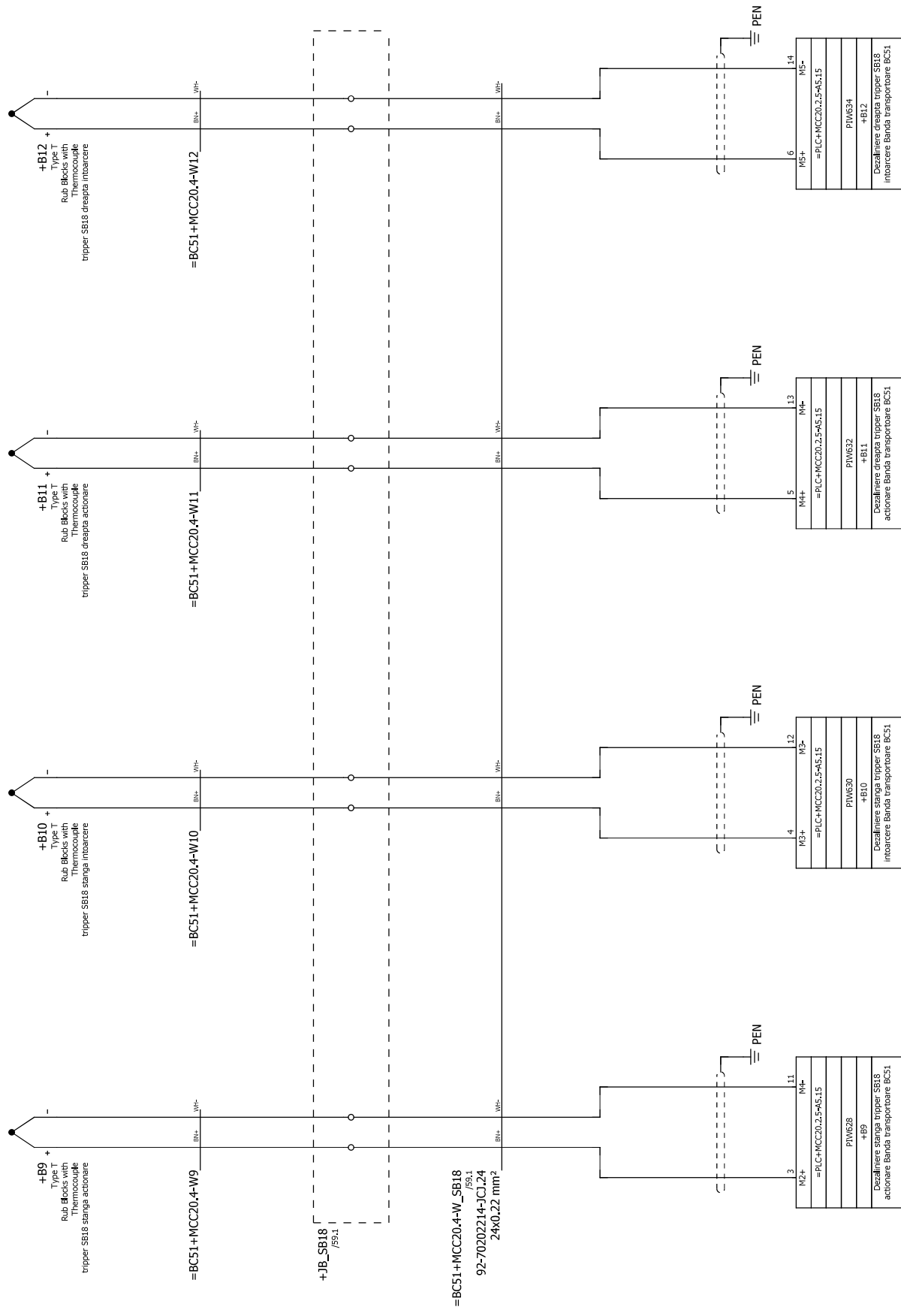




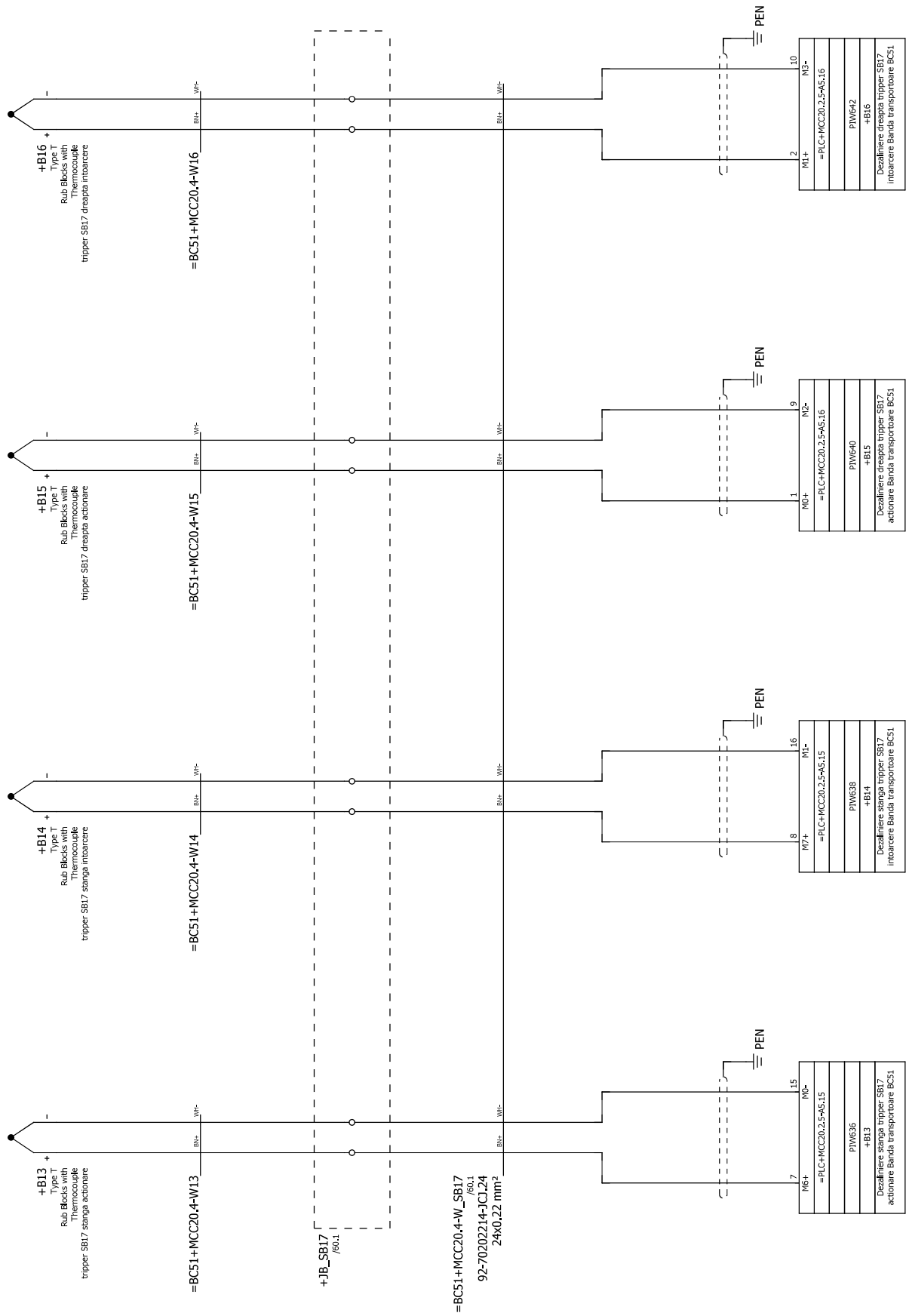




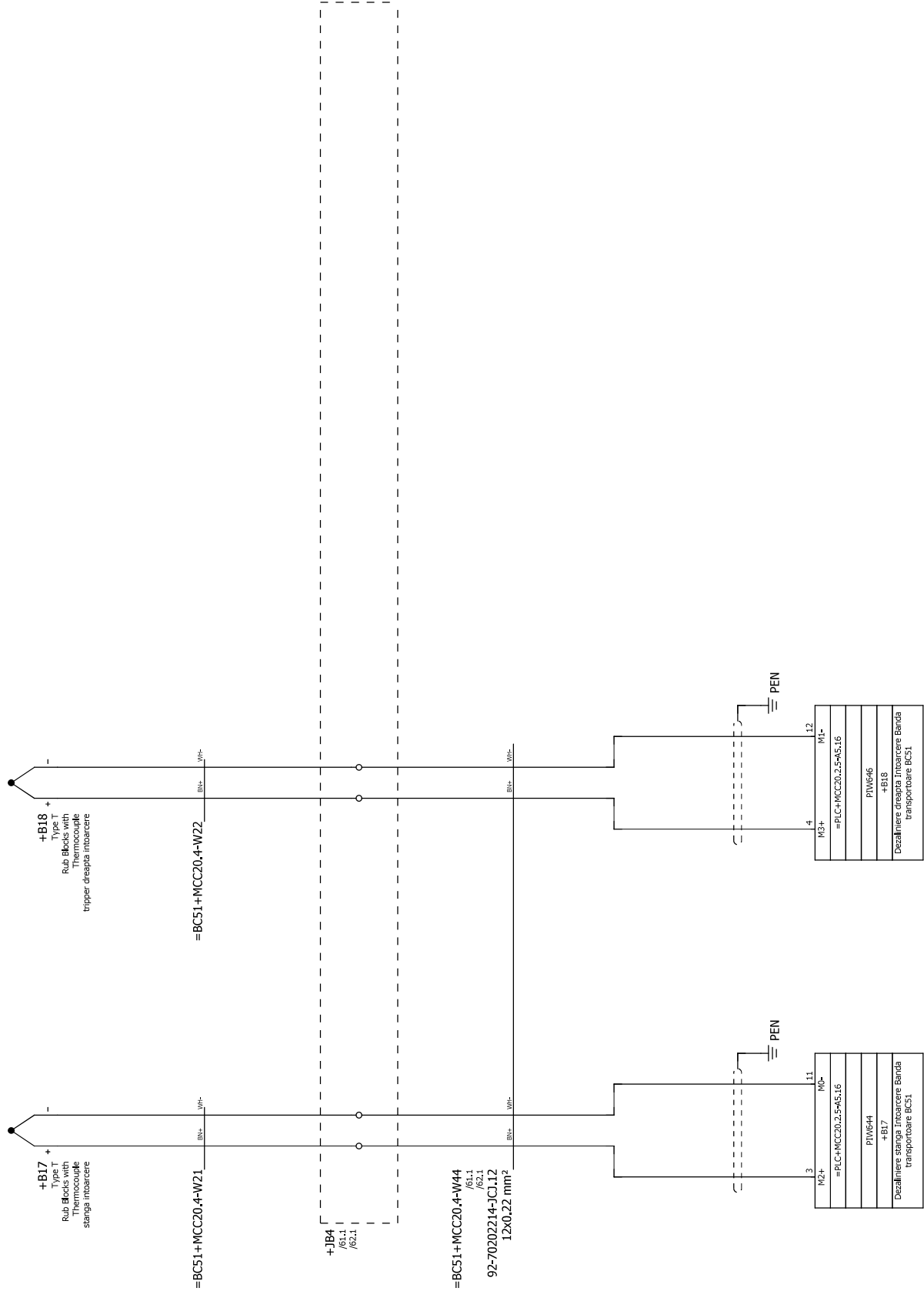




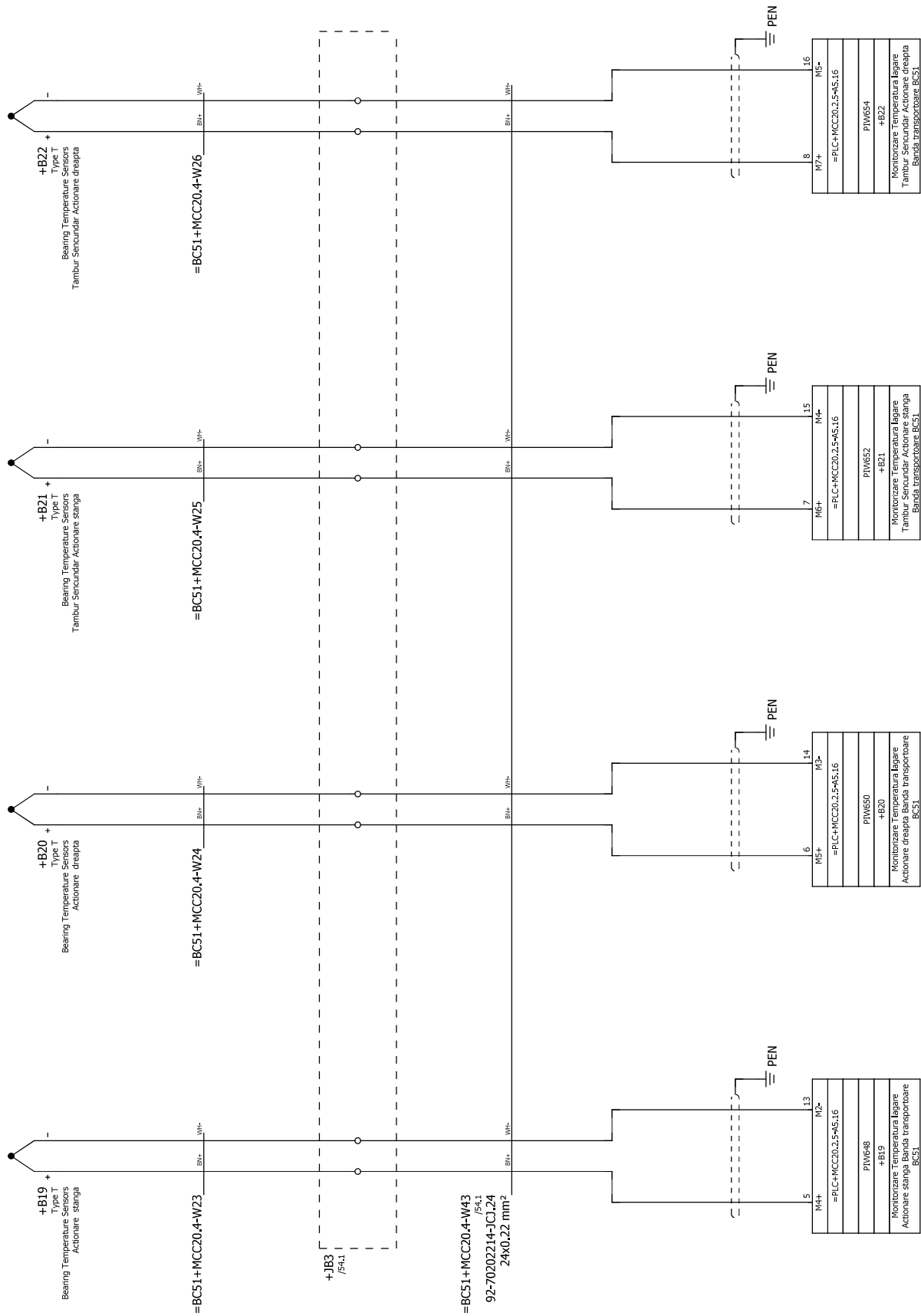






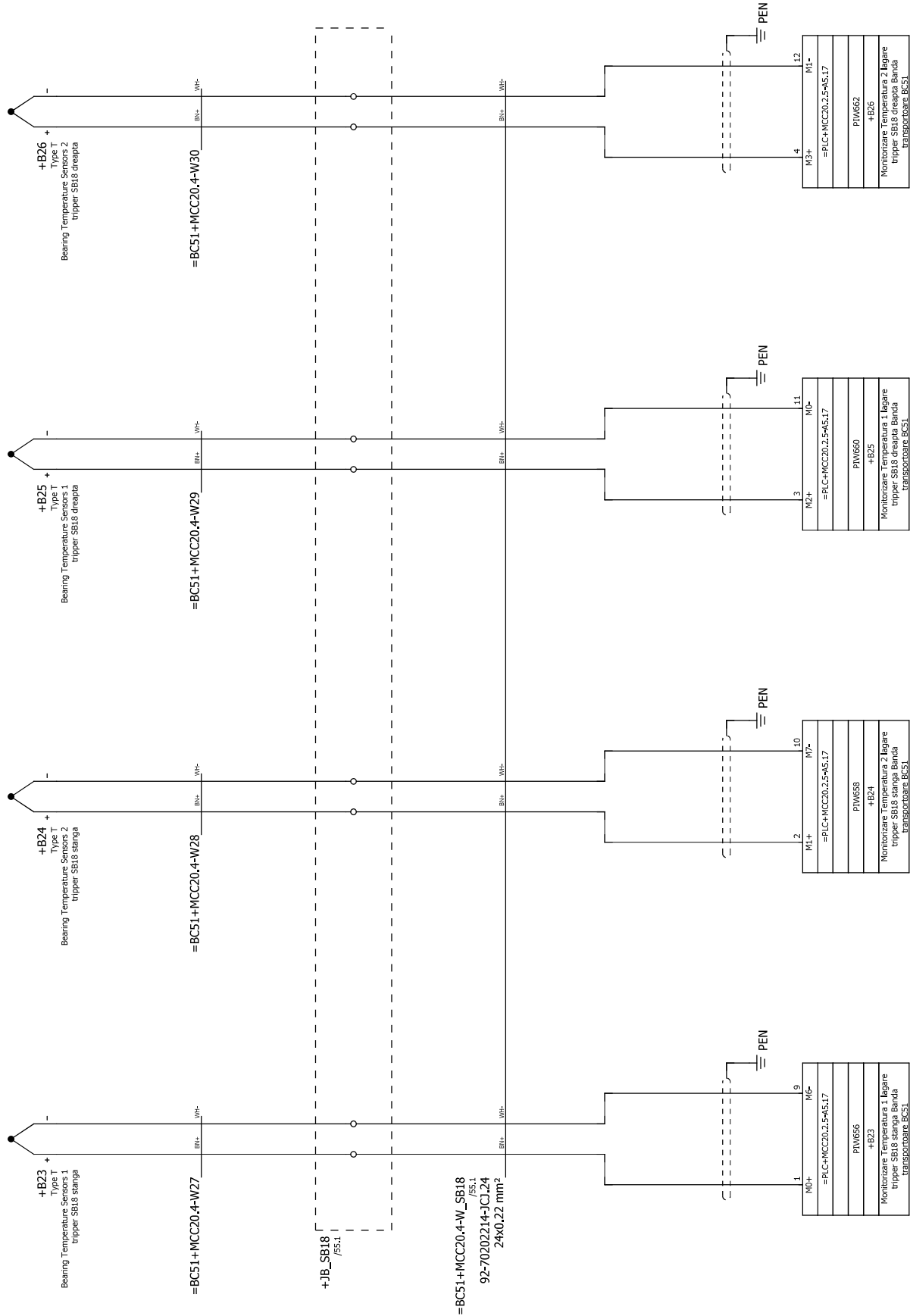








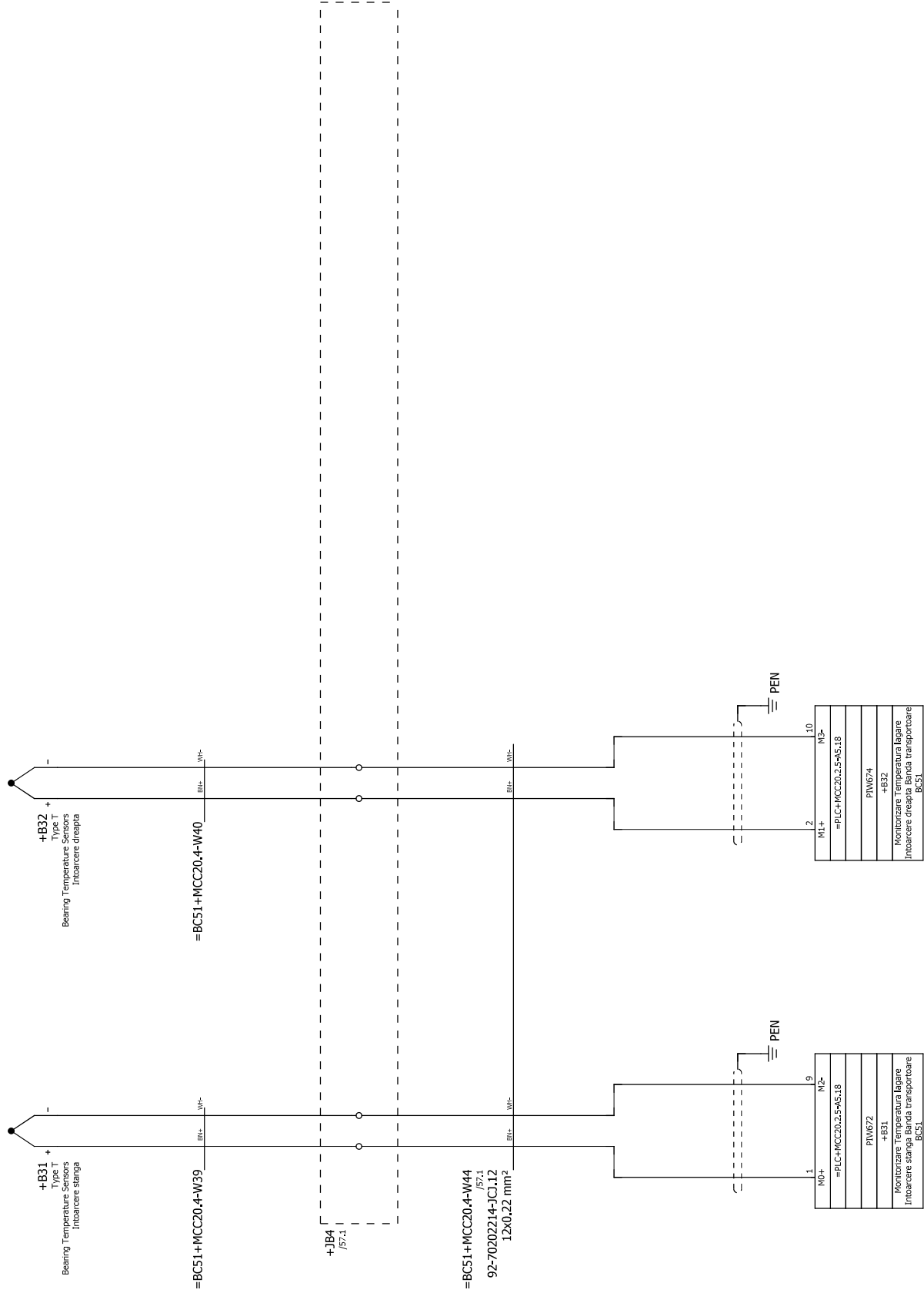
Unitate pentru monitorizare temperatura roata  
Banda transportoare BC51



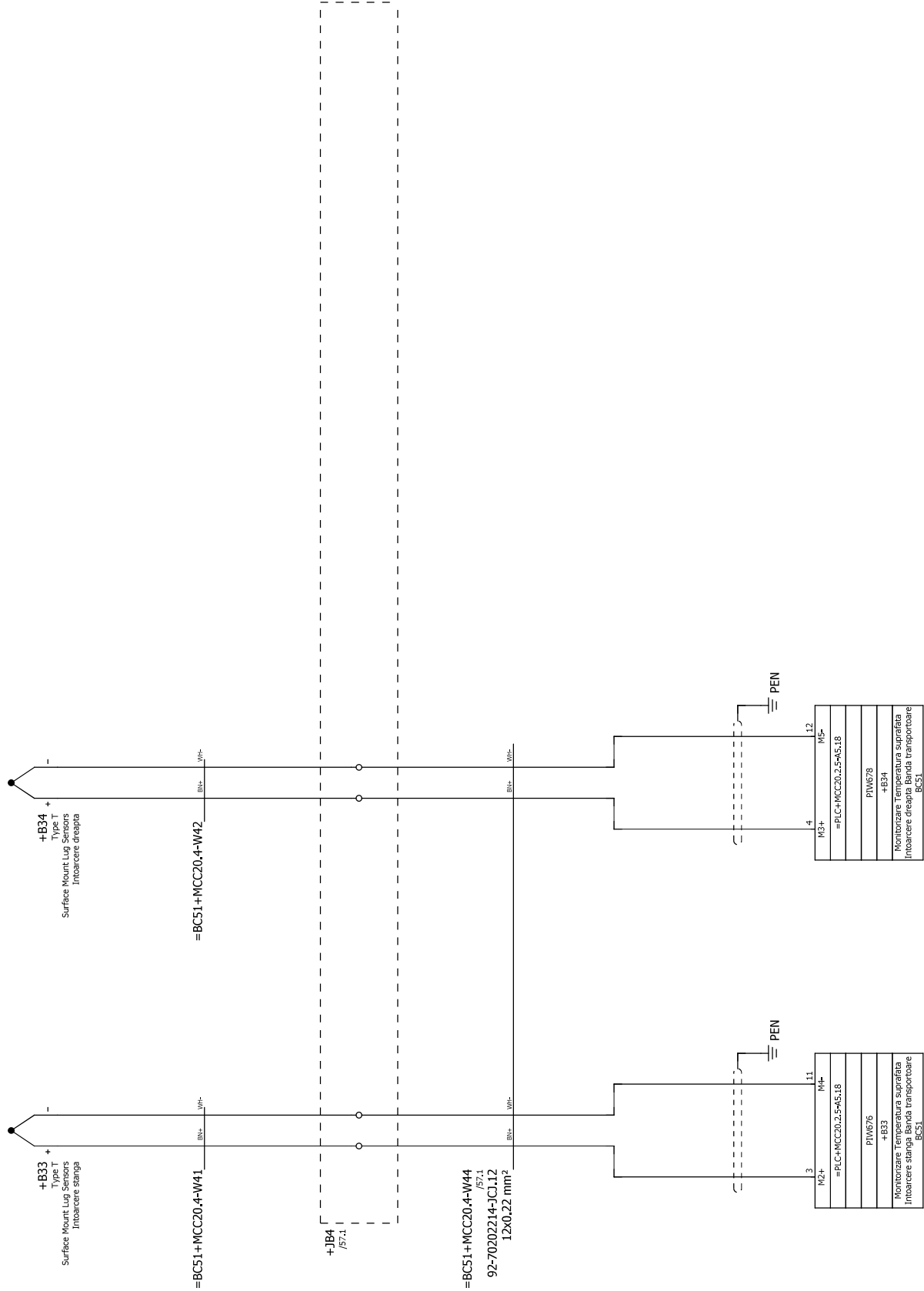




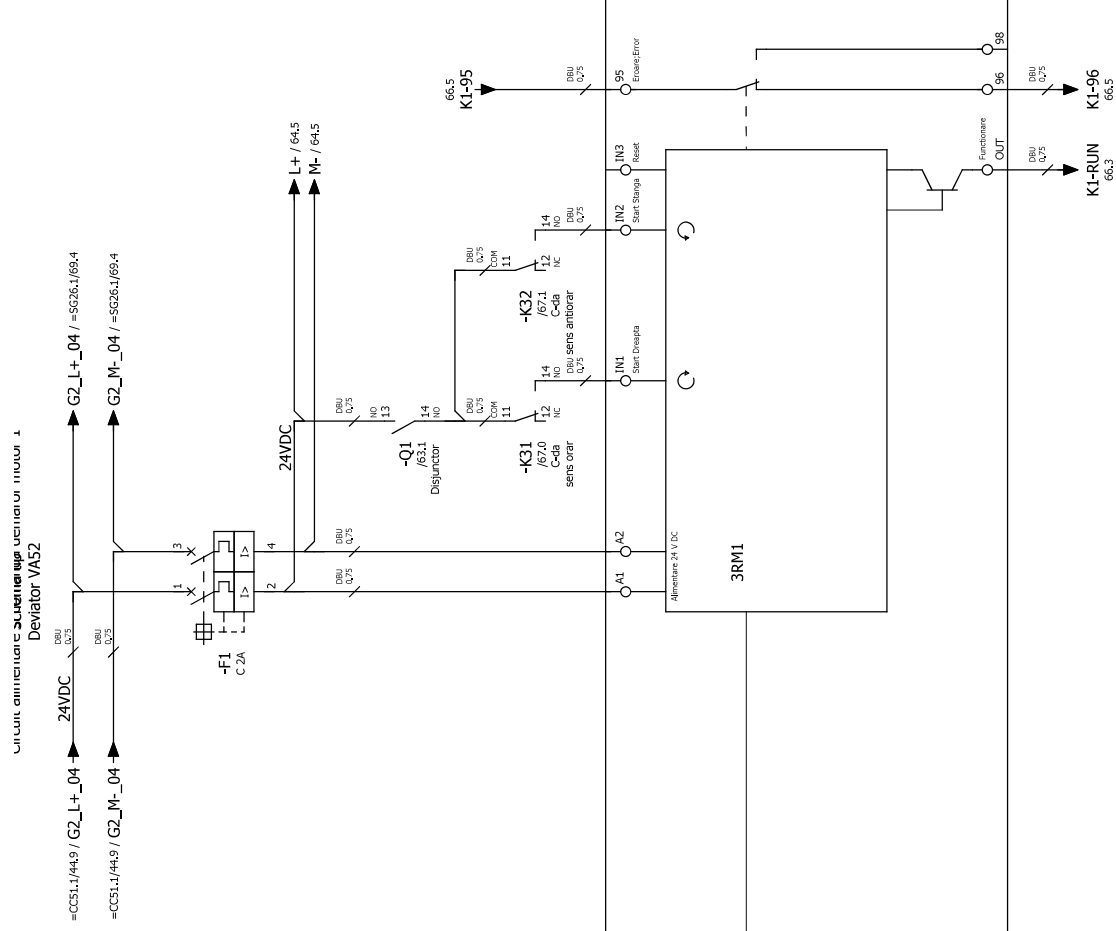
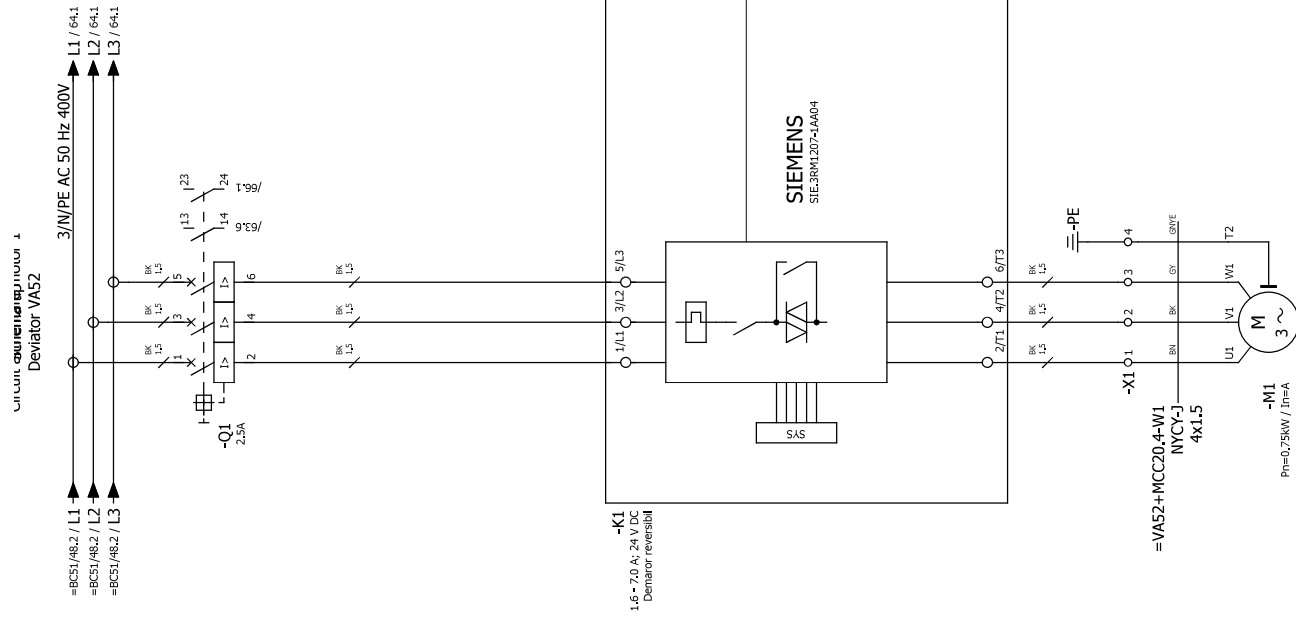








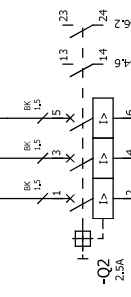






63.3 L1 → L1 / =SG26.1/69.1  
63.3 L2 → L2 / =SG26.1/69.1  
63.3 L3 → L3 / =SG26.1/69.1

3/N/PE AC 50 Hz 400V



-Q2 2.5A

1.6 - 7.0 A, 24 V DC  
Демонстр. реверсив

SIEMENS  
SIE.3RM1.207-1AA04

-M2  
Pn=0.75kW / In=A

=VA52+MCC20.4-W2  
NYCY-J  
4x1.5

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

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2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

63.7 / L+ → L+ / 65.1  
63.7 / M- → M- / 67.0



-Q2 2.5A

1.6 - 7.0 A, 24 V DC  
Демонстр. реверсив

SIEMENS  
SIE.3RM1.207-1AA04

-M2  
Pn=0.75kW / In=A

=VA52+MCC20.4-W2  
NYCY-J  
4x1.5

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

2/T1 4/T2 6/T3

1/L1 3/L2 5/L3

2/T1 4/T2 6/T3

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1/L1 3/L2 5/L3

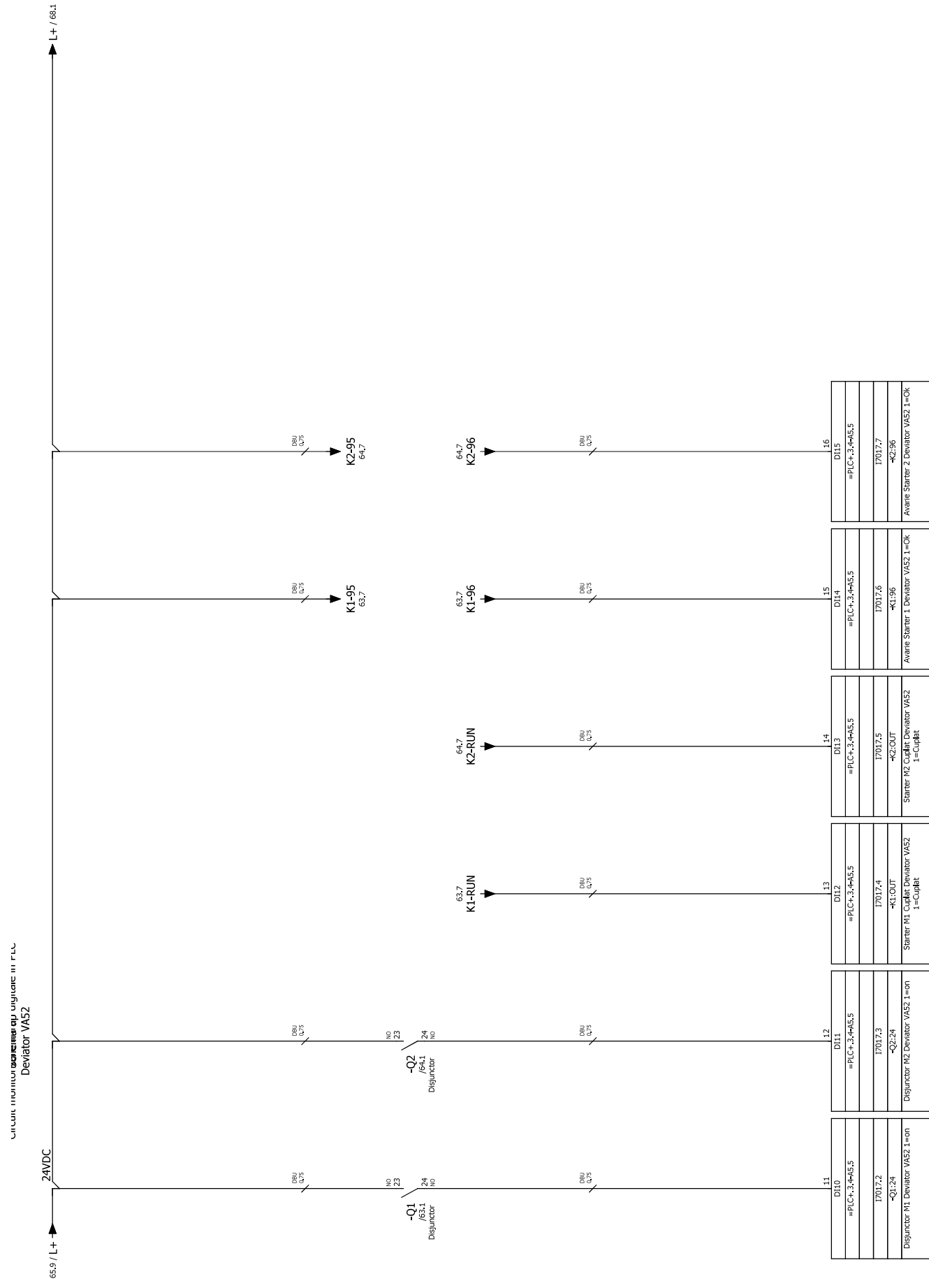
2/T1 4/T2 6/T3

1/L1 3/L2 5/L3





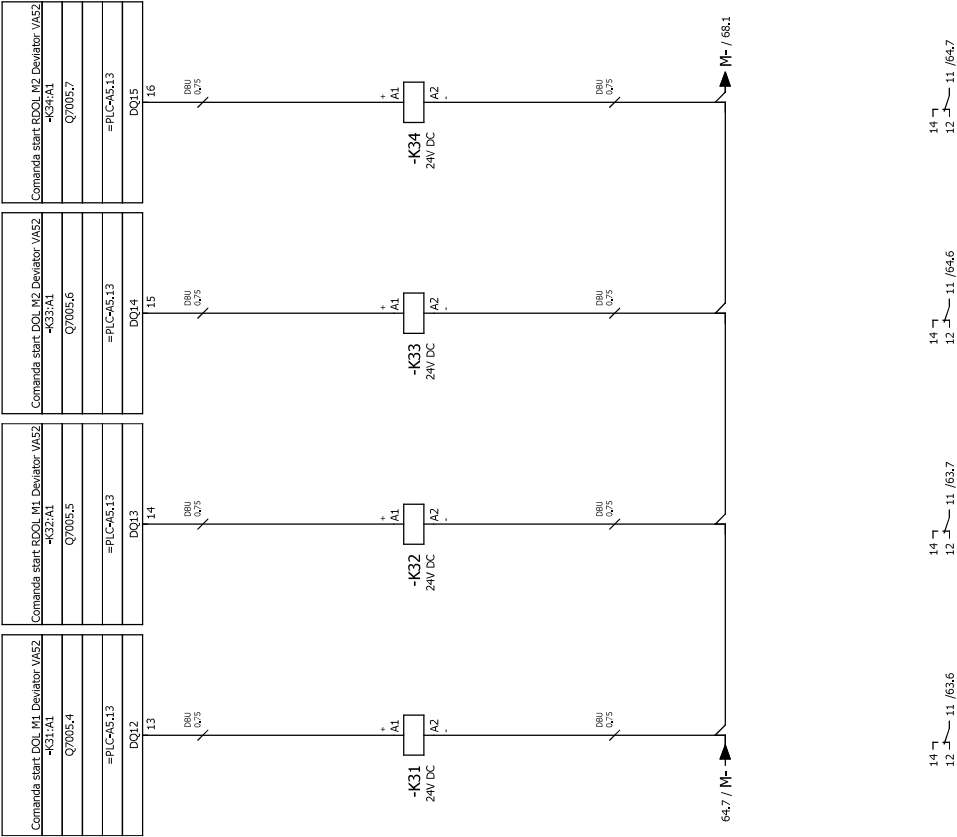




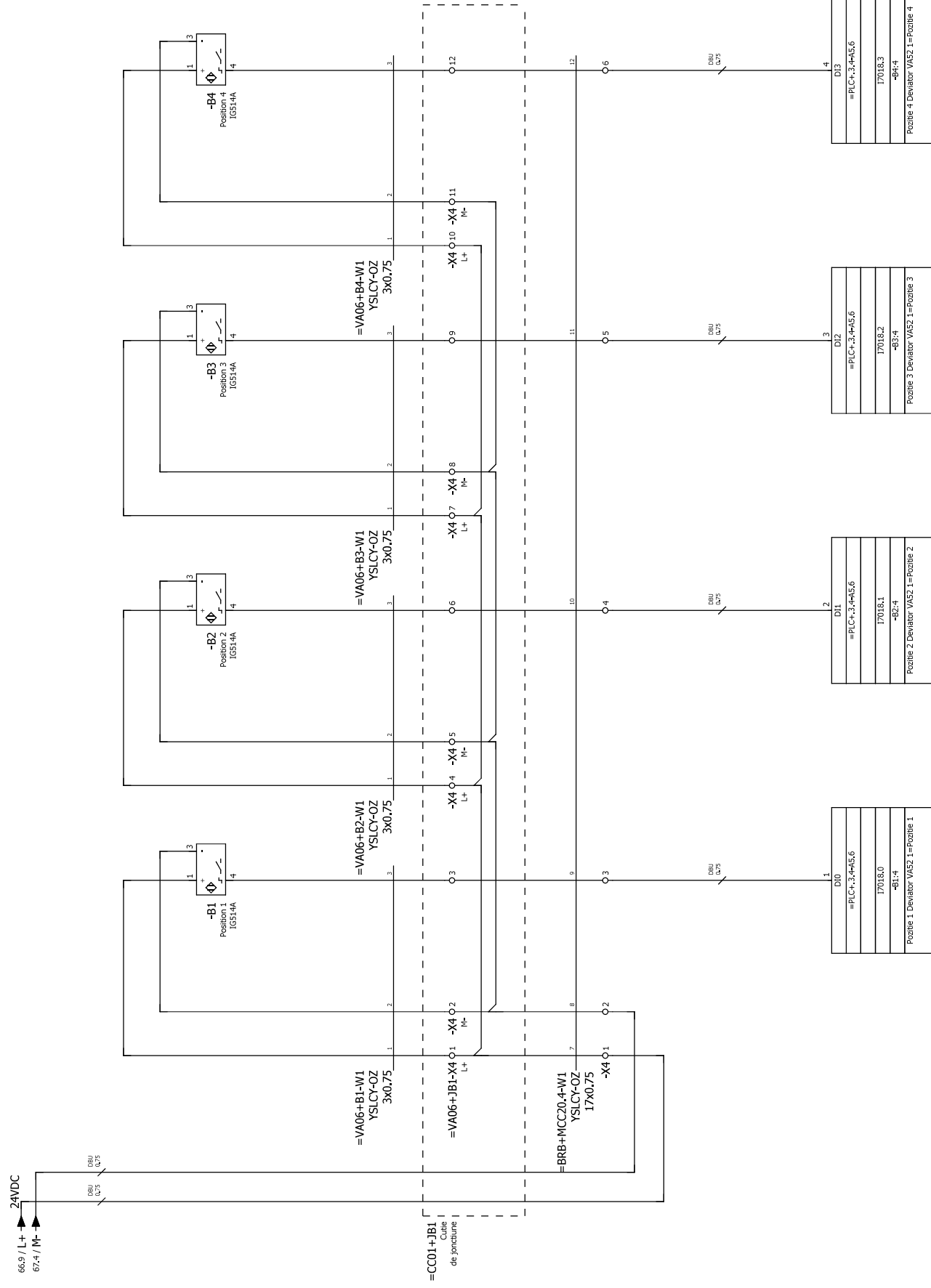


٧١٢٤٥٦٧٨٩١٠١١١٢١٣١٤١٥١٦١٧١٨١٩٢٠٢١٢٢٢٣٢٤٢٥٢٦٢٧٢٨٢٩٣٠٣١٣٢٣٣٣٤٣٥٣٦٣٧٣٨٣٩٤٠٤١٤٢٤٣٤٤٤٥٤٦٤٧٤٨٤٩٥٠٥١٥٢٥٣٥٤٥٥٥٦٥٧٥٨٥٩٦٠٦١٦٢٦٣٦٤٦٥٦٦٦٦٧٦٨٦٩٧٠٧١٧٢٧٣٧٤٧٥٧٦٧٧٧٧٨٧٩٨٠٨١٨٢٨٣٨٤٨٥٨٦٨٧٨٨٨٩٩٠٩١٩٢٩٣٩٤٩٥٩٦٩٧٩٨٩٩١٠١١١٢١٣١٤١٥١٦١٧١٨١٩٢٠٢١٢٢٢٣٢٤٢٥٢٦٢٧٢٨٢٩٣٠٣١٣٢٣٣٣٤٣٥٣٦٣٧٣٨٣٩٤٠٤١٤٢٤٣٤٤٤٥٤٦٤٧٤٨٤٩٥٠٥١٥٢٥٣٥٤٥٥٥٦٥٧٥٨٥٩٦٠٦١٦٢٦٣٦٤٦٥٦٦٦٦٧٦٨٦٩٧٠٧١٧٢٧٣٧٤٧٥٧٦٧٧٧٧٨٧٩٨٠٨١٨٢٨٣٨٤٨٥٨٦٨٧٨٨٨٩٩٠٩١٩٢٩٣٩٤٩٥٩٦٩٧٩٨٩٩

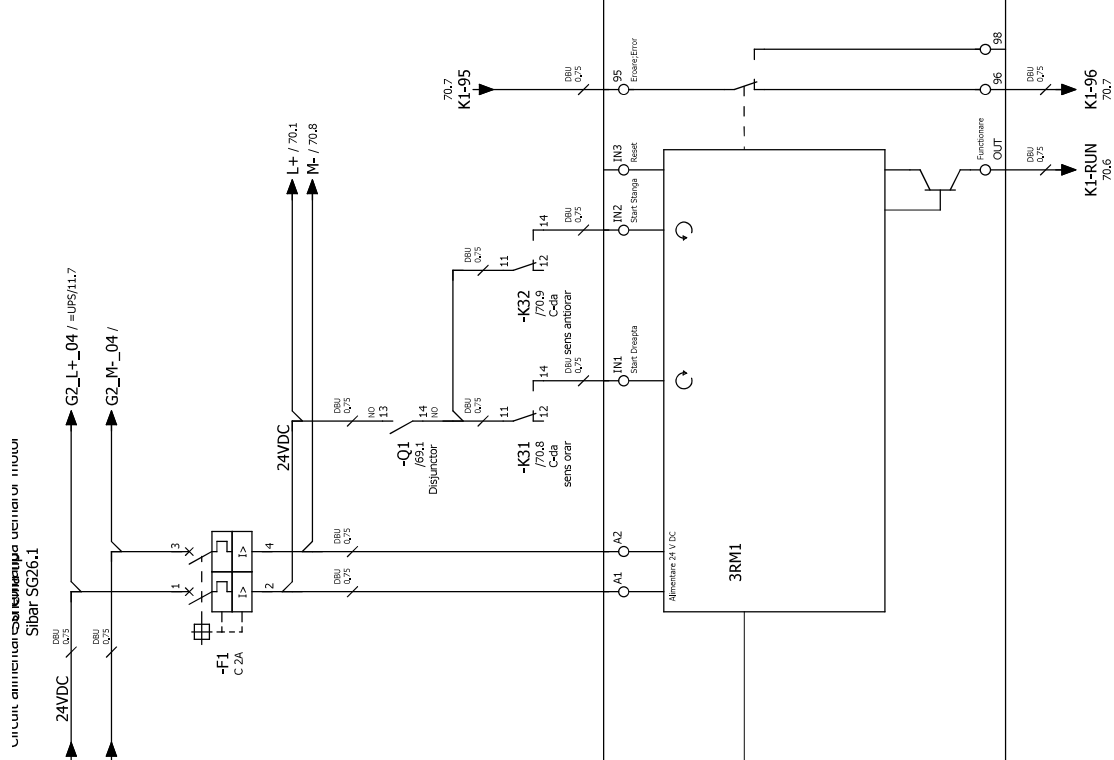
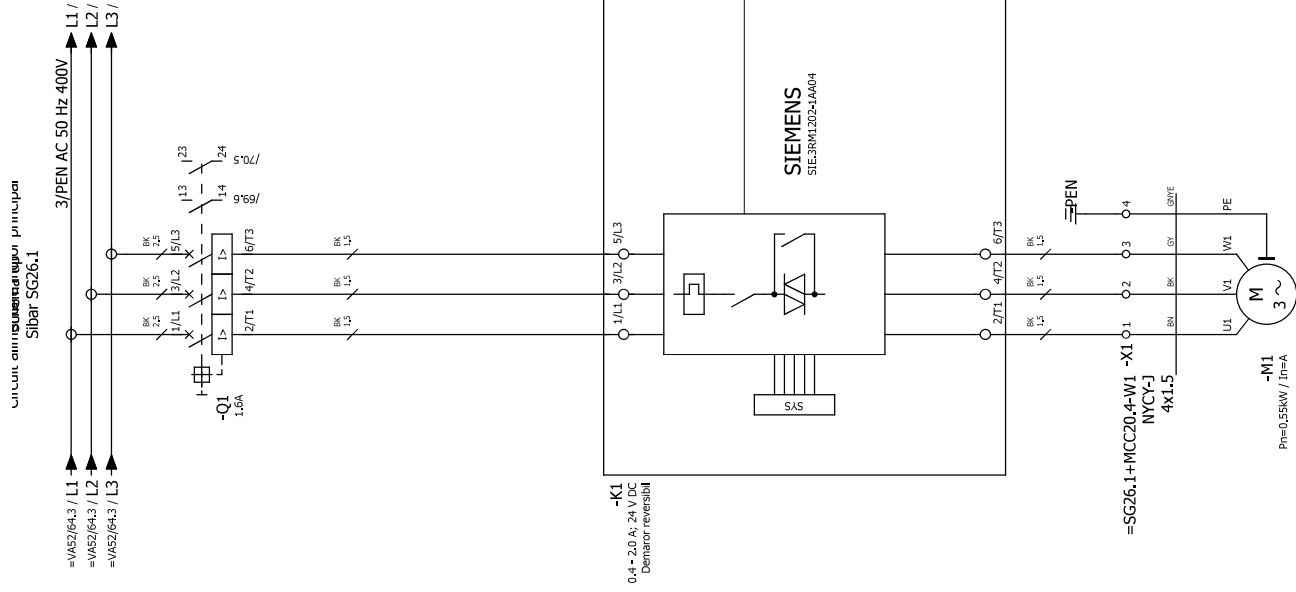
Deviator VA52













Circuit diagram of local Sibar SG26.1

Circuit diagram of remote Sibar SG26.1

Circuit diagram of Sibar SG26.1

