BARGH KARIMI

An der alten Ziegelei 2
40789 Monheim am Rhein
Phone +49 (0)2173 - 39 64 - 0

Company / customer	
Project description	BOOSTER PUMP
Job number	IEC_bas003
Commission	EPLAN
Manufacturer (company)	BARGH KARIMI
Path	EPLAN sample project
Project name	BOOSTER PUMP KARIMI
Make	
Type	
Place of installation	
Responsible for project	
Part feature	

Created on	12/25/2025			
Edit date	1/2/2026	by (short name)	ALIREZA	Number of pages 15

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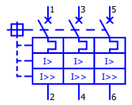
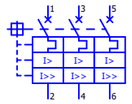
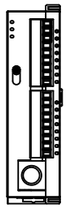
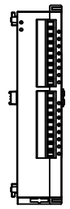
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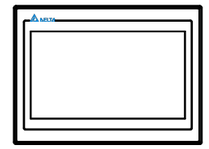
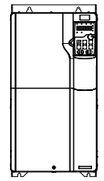
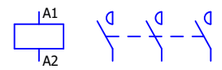
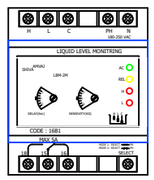
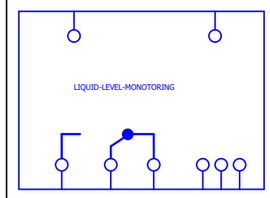
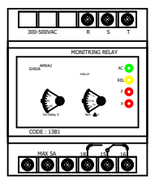
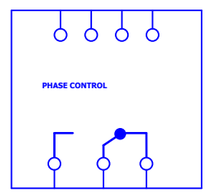
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/2	Table of contents		12/30/2025	ALIREZA	X
/3	Device tag list 1		12/30/2025	ALIREZA	X
/4	Device tag list 2		12/30/2025	ALIREZA	X
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/6	POWER CIRCUIT		12/30/2025	ALIREZA	
/7	CONTROL CIRCUIT		12/30/2025	ALIREZA	
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Device tag list

F03_001

Device tag Part number Type number	Function text Article designation	CAD	X-Ref	Symbol
-F1	کلید اتومات 160		/3.1	
-F2 -F3	کلید اتومات 100		/4.1 /4.7	
-CPU	سی پی یو پی ال سی		/7.0	
-EX10	ماژول پی ال سی		/8.0	
-CT1 -CT2 -CT3	ترانس جریان		/3.2 /3.3 /3.3	
-E1	هیتر		/10.6	
-Green -Red -Yellow	چراغ سیگنال		/3.8 /3.8 /3.8	

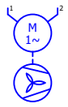
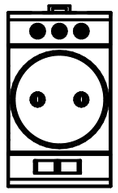
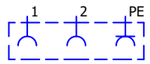
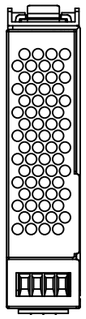
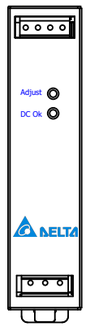
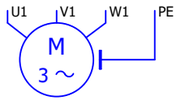
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-HMI	اچ ام آی		/11.2	
-INV1	درایو		/4.1	
-K1 -K2 -K3 -K4 -K5	کنتاکتور		/10.1 /10.2 /10.2 /10.3 /5.5	
-LC	کنترل سطح		/5.0	
-PHC1	کنترل فاز		/3.5	

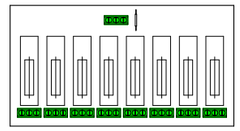
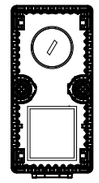
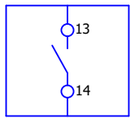
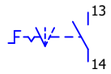
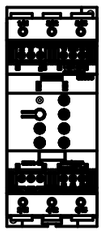
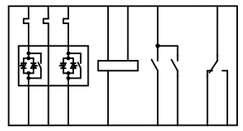
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			BOOSTER PUMP	Drawing number						
									+	Page 3
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Device tag list

F03_001

Device tag Part number Type number	Function text Article designation	CAD	X-Ref	Symbol
-LIGHT	مهتابی		/10.8	
-M6	فن		/10.5	
-OUTPUT	پریز		/10.8	
-PM			/3.2	
-PS	منبع تغذیه		/6.0	
-PUMP1-M1 -PUMP2-M2 -PUMP3-M3 -PUMP4-M4 -PUMP5-M5	پمپ		/4.1 /4.2 /4.4 /4.5 /4.7	

Device tag Part number Type number	Function text Article designation		X-Ref	Symbol
-R	رله بورد		/7.5	
-TH1 -TH2	ترموستات		/10.4 /10.6	
-S1	امرجنسی		/5.5	
-S2	کلید سلکتوری 3حالت		/5.5	
-SF	سافت استارتر		/4.6	
-TF	ترمینال فیوز		/3.4	

			Project name BOOSTER PUMP KARIMI	Job number IEC_bas003	BARGH KARIMI	Device tag list 2	=	&
			BOOSTER PUMP	Drawing number			+	Page 4
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380V/3PH/FEEDER

-CT1
-CT2
-CT3

R / 6.0
S / 6.0
T / 6.0

-F1
MAIN
160A
LS

-TF

-PM
DIGITAL PANEL METER

5.3
N1

5.3
N3

-PHC1
PHASE CONTROL
PHASE CONTROL
Amvaj
SHIVA شیواامواج

Green
Yellow
Red

N2
5.3

R13&14
7.2

+24V.1
8.3

CAUTION!!!

Remains energized when main switch is opened

5.4 5.8 5.6 7.0 8.0 12.0 12.5 12.7 12.9
N1 N2 N3 N4 N5 N6 N7 N8 N9 N10

N BUSBAR N

6.2 6.3 6.4 6.6 6.7 12.9
PE1 PE2 PE3 PE4 PE5 PE6 PE7 PE8 PE9 PE10

PE BUSBAR PE

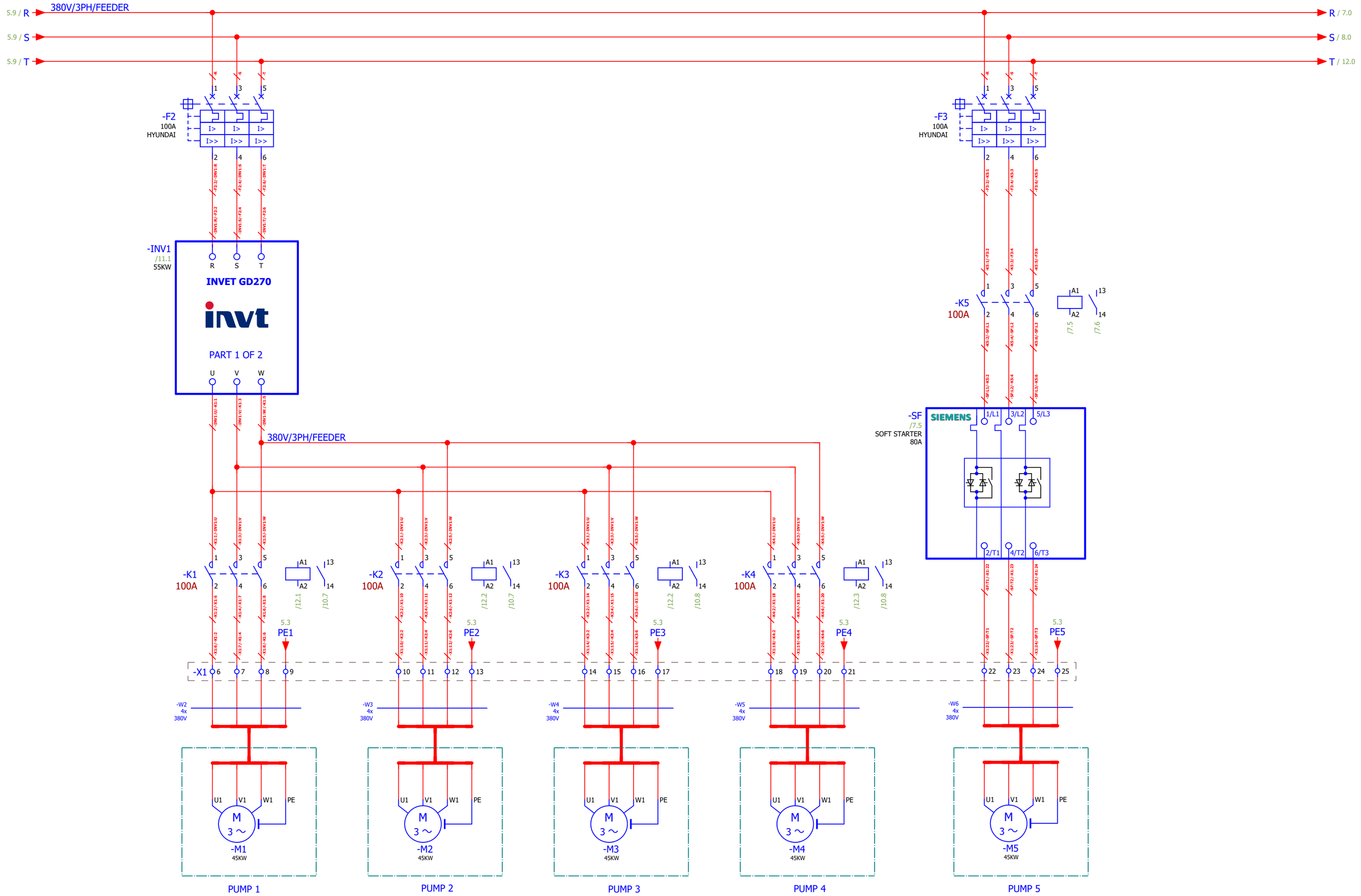
-X1

-W1
5x
380V
BK BN GY BU GNYE

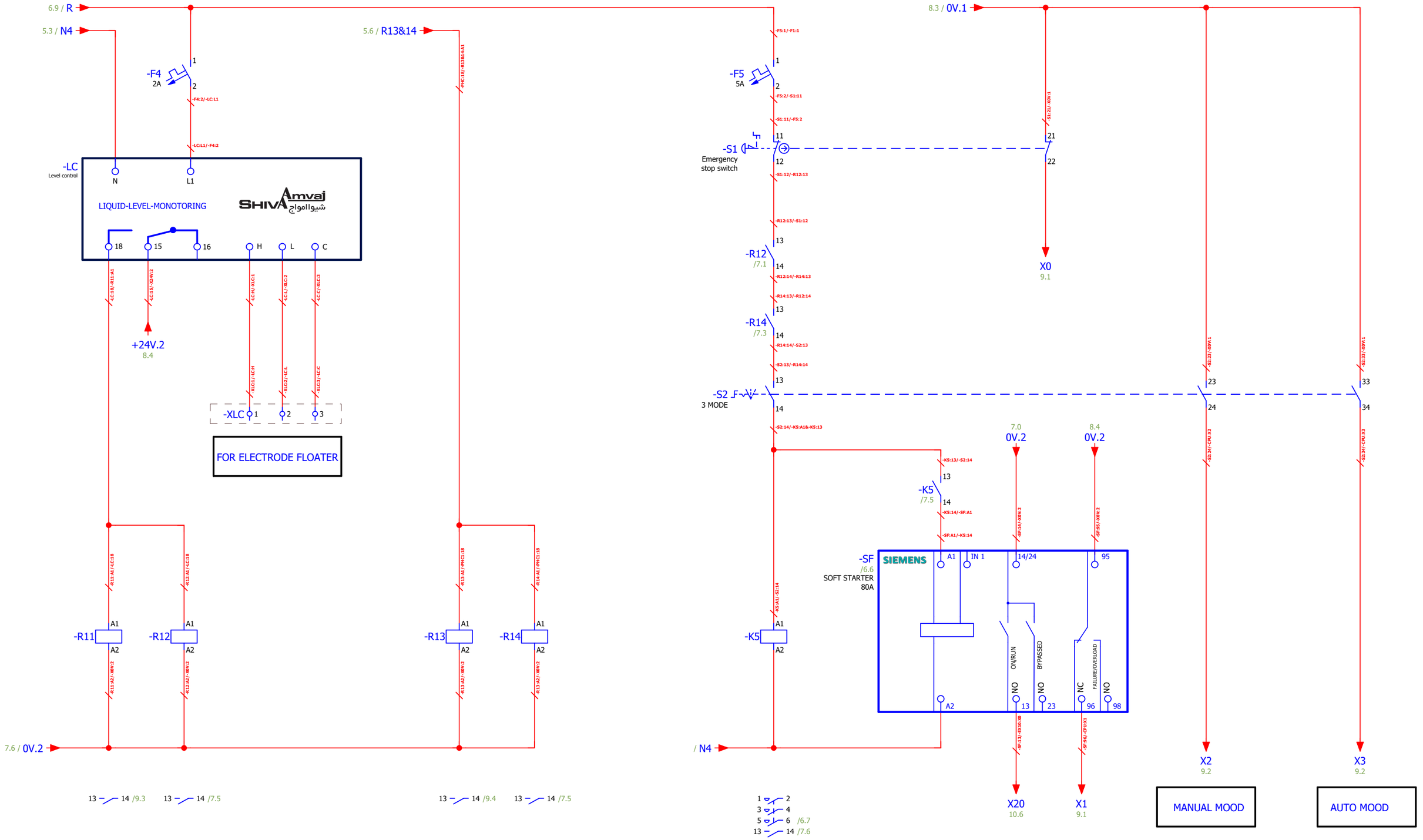
INCOMING
R S T N PE

4 6

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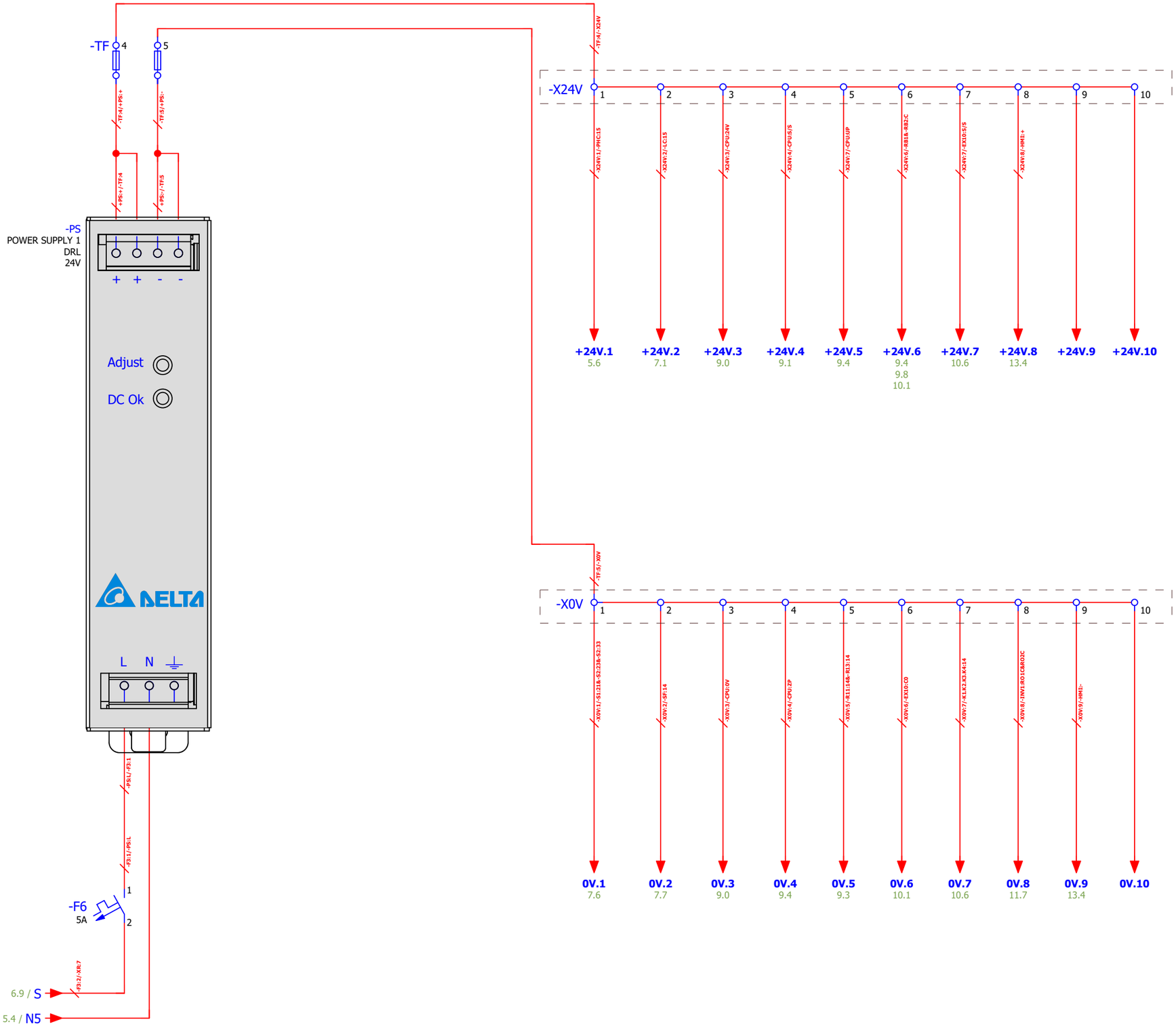


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-CPU

DELTA

DVP14SS211T

RS-232

24V 0V S/S X0 X1 X2 X3 X4 X5 X6 X7 UP ZP . Y0 Y1 Y2 Y3 Y4 Y5

RS-485 + -

-CPU:24V/-X24V:1
-CPU:0V/-X0V:2
-CPU:S/S/-X24V:2
-CPU30/-SF:13
-CPU31/-SF:96
-CPU32/-S:24
-CPU33/-S:234
-CPU34/-INV:RO2C
-CPU35/-X0V:5
-CPU36/-R11:13
-CPU37/-R12:13
-CPU10/-R1:A1
-CPU11/-R2:A1
-CPU12/-R3:A1
-CPU13/-R4:A1
-CPU14/-RS:A1
-CPU15/-R6:A1
-CPU29/-X0V:4
-CPU0P/-X24V:5

+24V.3 8.4
0V.3 8.4
+24V.4 8.4
X0 7.7
X1 7.7
X2 7.8
X3 7.9
X4 11.8
X5
+24V.5 8.5
0V.4 8.4

485+
485-

9.9 / 485-
485- / 9.8
9.9 / 485+
485+ / 9.8

-R11 /7.0
-R13 /7.3
13 14

8.5 / 0V.5
-R11:14&-R13:14/-X0V:5

Forward start INV
Reverse start INV
FOR K1
FOR K2
FOR K3
FOR K4

-R1 -R2 -R3 -R4 -R5 -R6
A1 A2

8.5 / +24V.6
-RB1&-RB2:C/-X24V:6
+24V.6 / 8.5

13 14 /11.2
13 14 /11.2
13 14 /12.1
13 14 /12.2
13 14 /12.2
13 14 /12.3

8 10

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-EX10

DVP16SP11T

DIGITAL OUTPUT

C0 Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7

DIGITAL INPUT

S/S X0 X1 X2 X3 X4 X5 X6 X7

-EX10:C0/-X0V:6

-EX10:Y20/-R7A1

-EX10:Y21/-R8A1

-EX10:Y22/-R9A1

-EX10:Y23/-R10A1

0V.6
8.5

-EX10:S/S:X24V:7

-EX10:X0/-SF:13

-EX10:X21/-INV1:RO1C

+24V.7
8.5

X20
7.6

X21
11.6

-EX10:X22/-K1:13

-EX10:X23/-K2:13

-EX10:X24/-K3:13

-EX10:X25/-K4:13

-K1 /12.1
-K2 /12.2
-K3 /12.2
-K4 /12.3

13
14

-K1:14/-X0V:7

-K2:14/-X0V:7

-K3:14/-X0V:7

-K4:14/-X0V:7

-R7 -R8 -R9 -R10

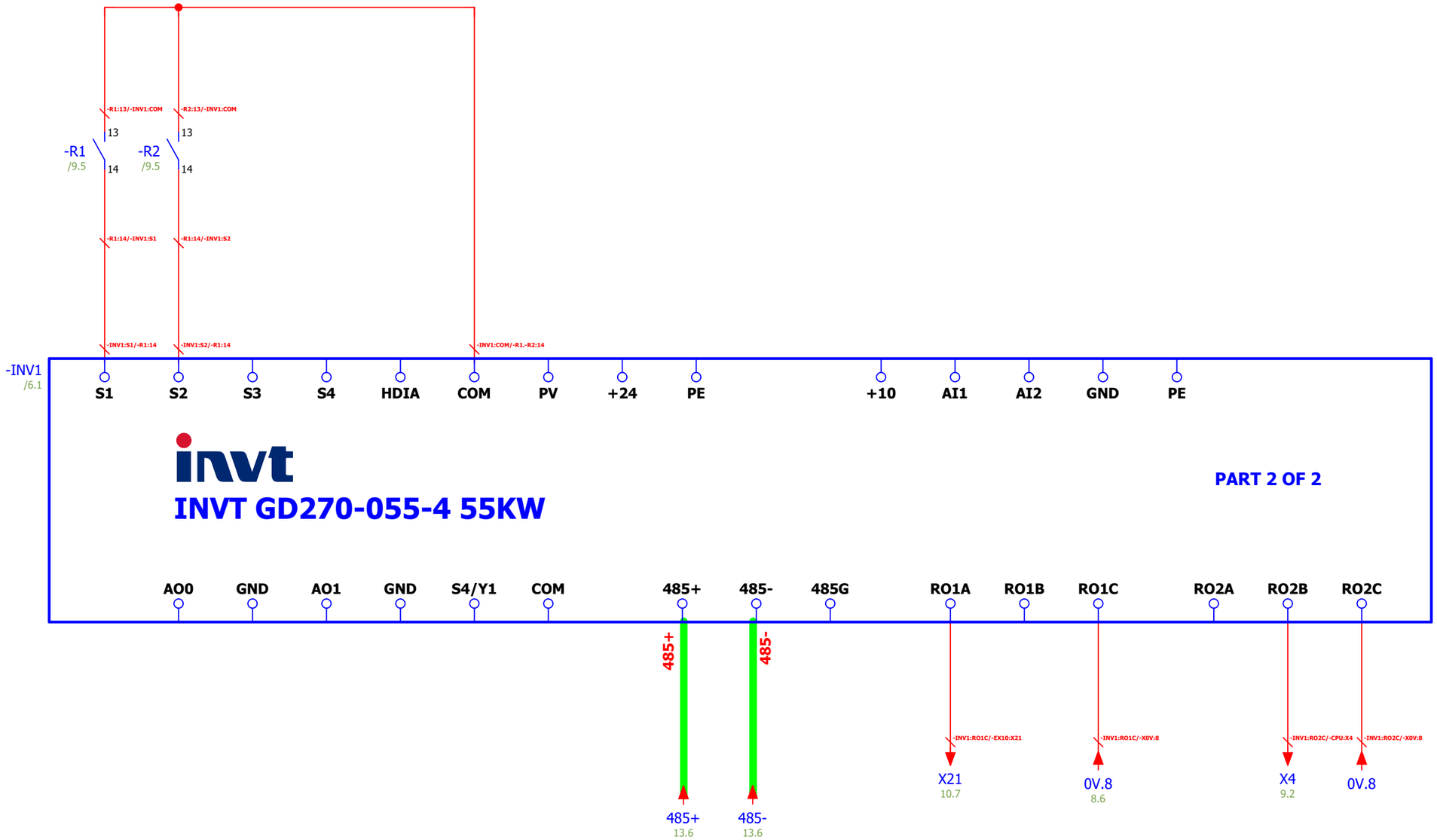
A1
A2

8.5 / +24V.6

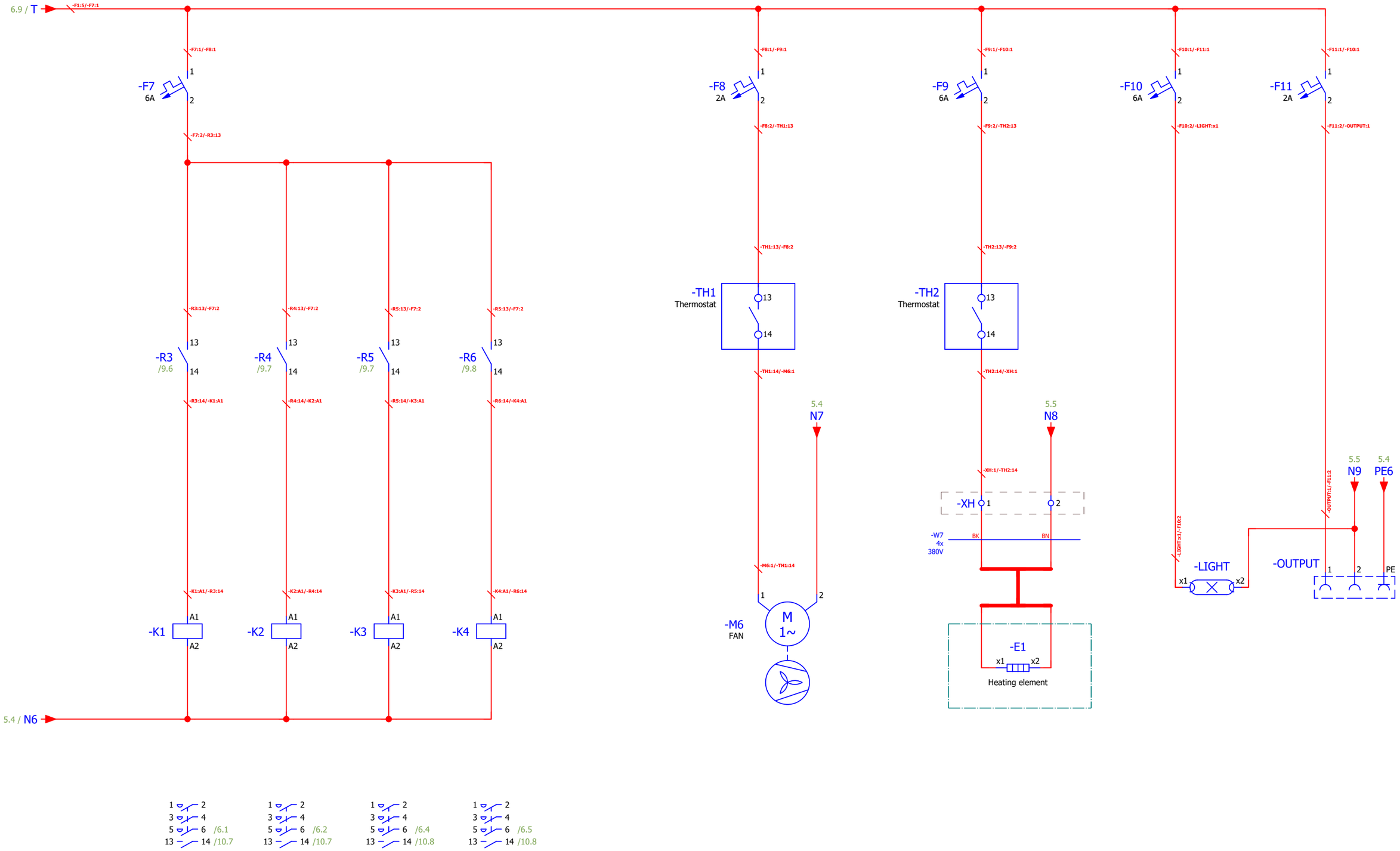
-RB1&-RB2:C/-X24V:6

8.5 / 0V.7

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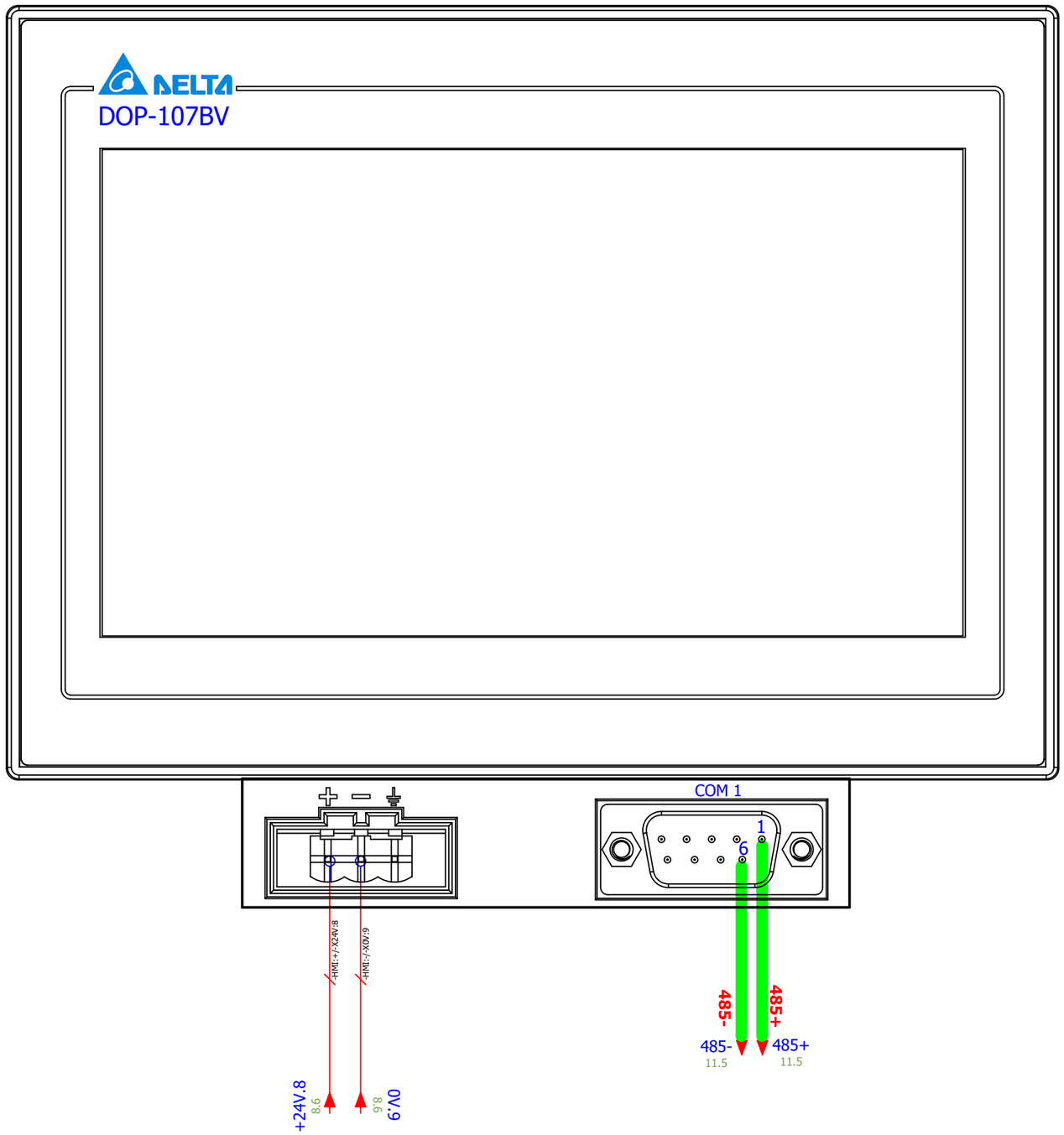
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-HMI

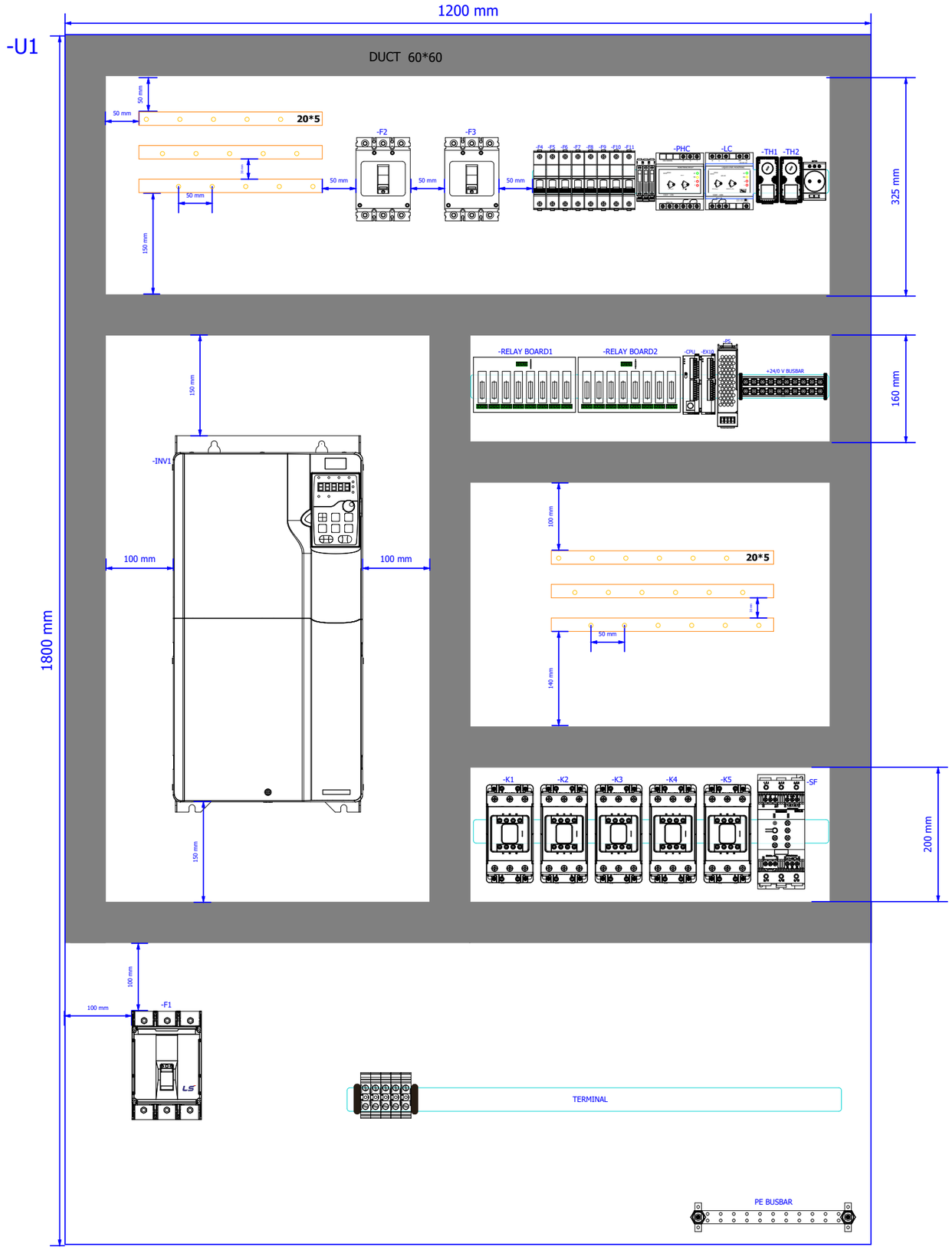
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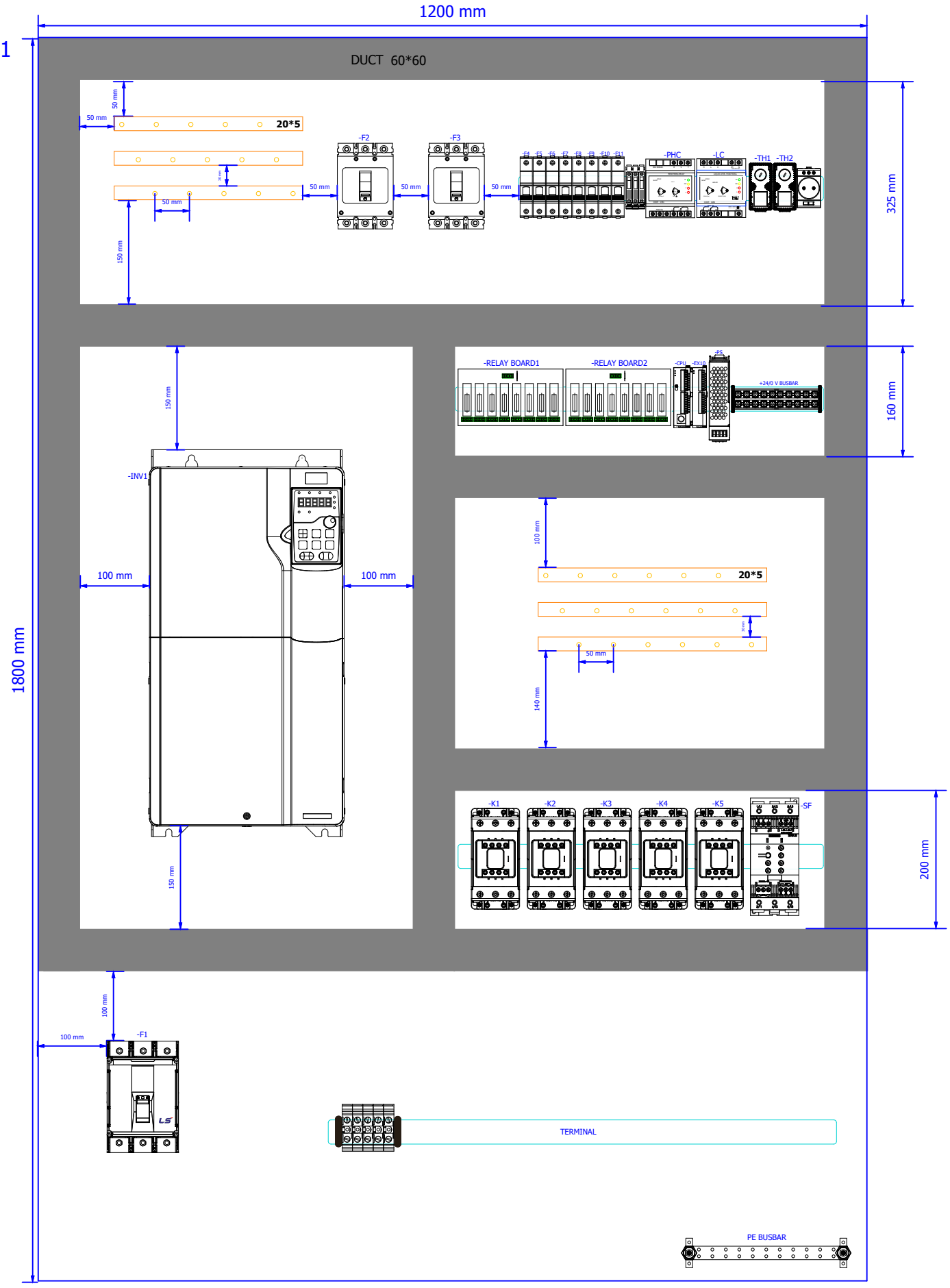
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			Job number	IEC_bas003		=	&
			Project name	BOOSTER PUMP KARIMI			
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Creator	ALIREZA	Approved by		Drawing number			Format A4