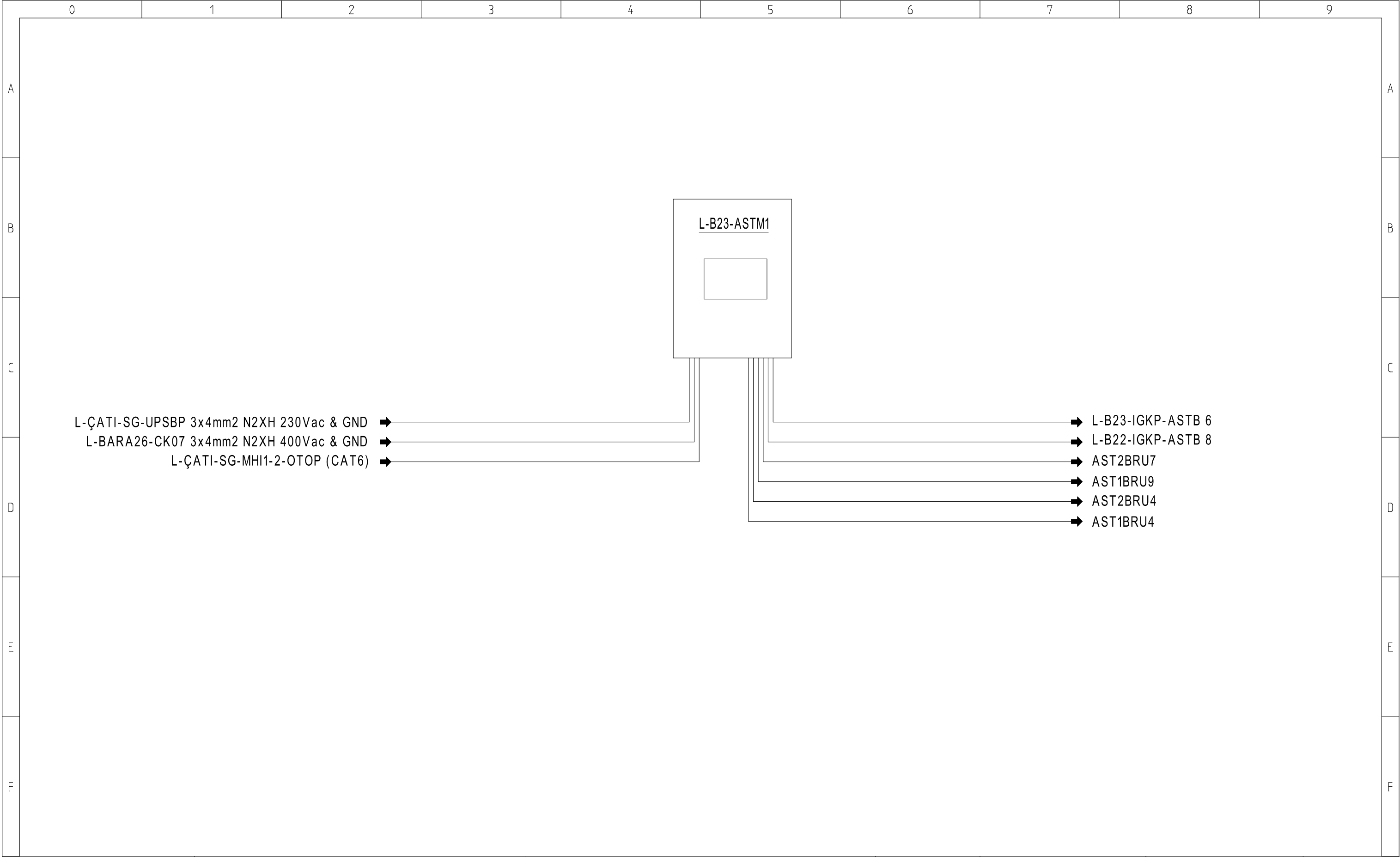


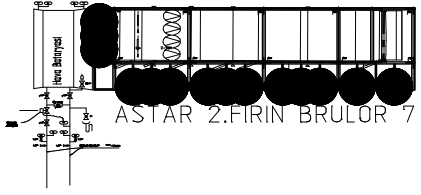


ENERGY EFFICIENCY

M40 MASTER CONTROL SYSTEM		ID	23006
		DATE	20.02.2023
		TOTAL PAGE	18
		L-B23-ASTM1	
Escon Energy	Zake Enginnering	Renault Oyak	See Elektrical V8.2



ASTAR ISI GERİ
KAZANIM PROJESİ
GÜÇ DAĞITIM ALT
YAPISI

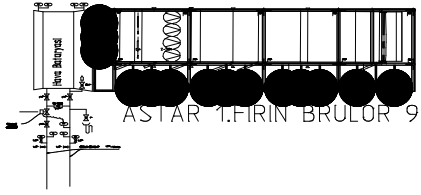


ASTAR 2. FIRIN BRÜLÖR 7



24 Vdc

(L Binası ASTAR ISI GERİ KAZANIM
HABERLEŞME BOX)

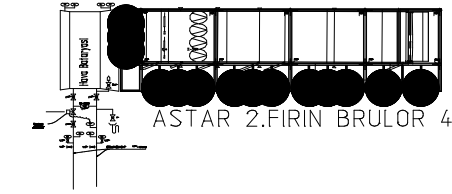


ASTAR 1. FIRIN BRÜLÖR 9



24 Vdc

(L Binası ASTAR ISI GERİ KAZANIM
HABERLEŞME BOX)

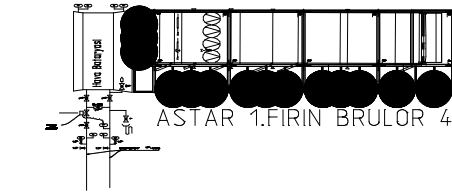


ASTAR 2. FIRIN BRÜLÖR 4



24 Vdc

(L Binası ASTAR ISI GERİ KAZANIM
HABERLEŞME BOX)

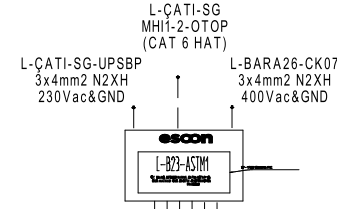


ASTAR 1. FIRIN BRÜLÖR 4



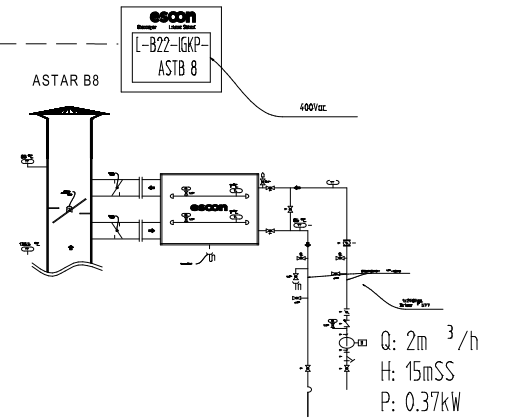
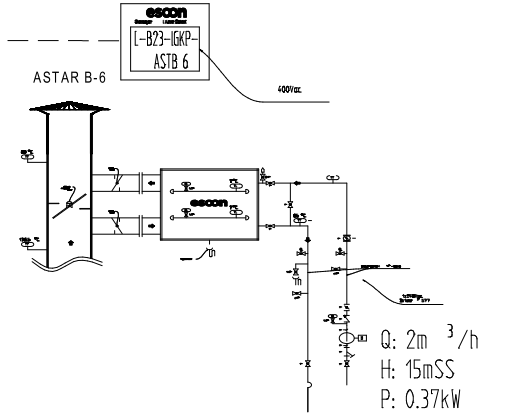
24 Vdc

(L Binası ASTAR ISI GERİ KAZANIM
HABERLEŞME BOX)



SUPPLY1
3X1.5MM2 LIYCY

SUPPLY5
3X2.5MM2 N2XH

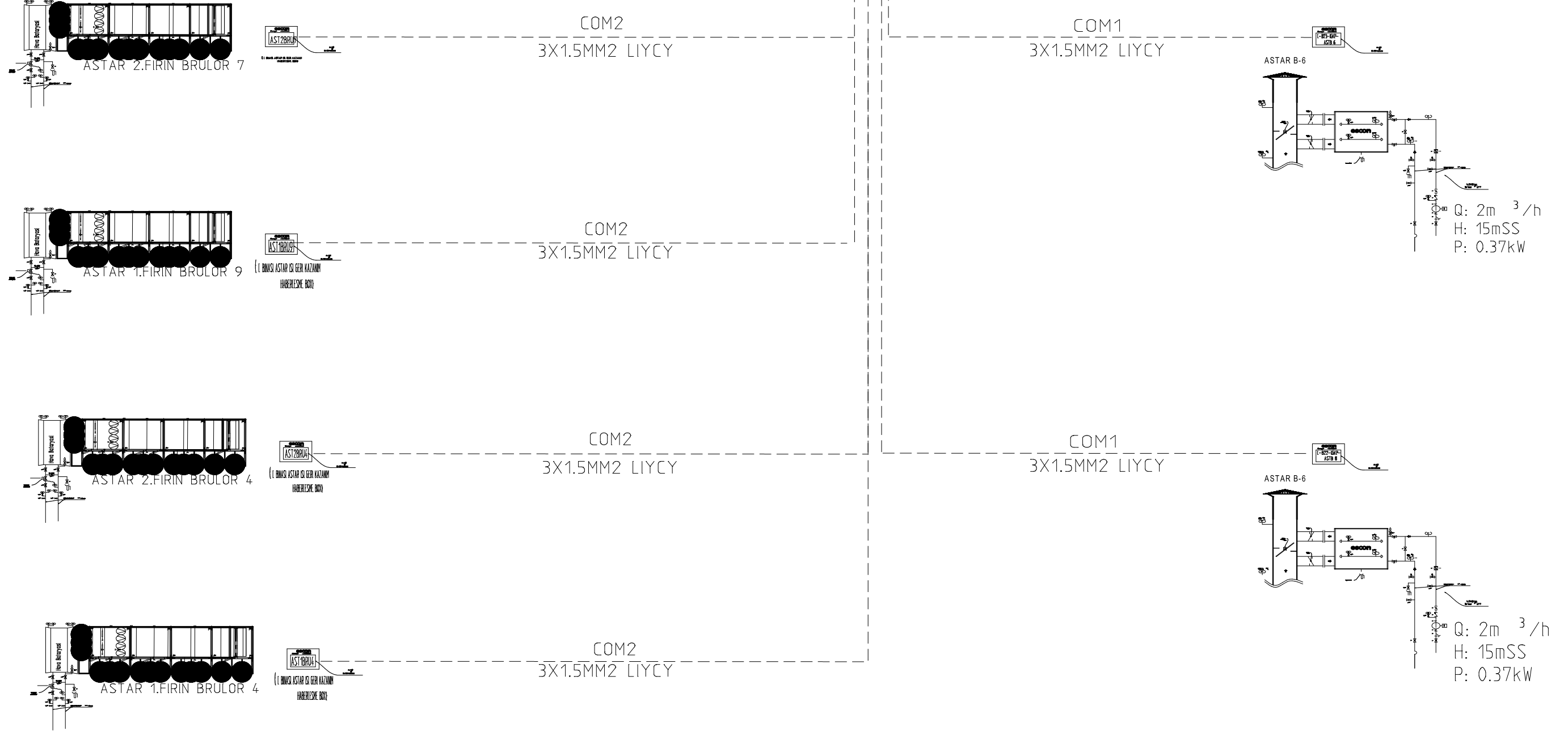


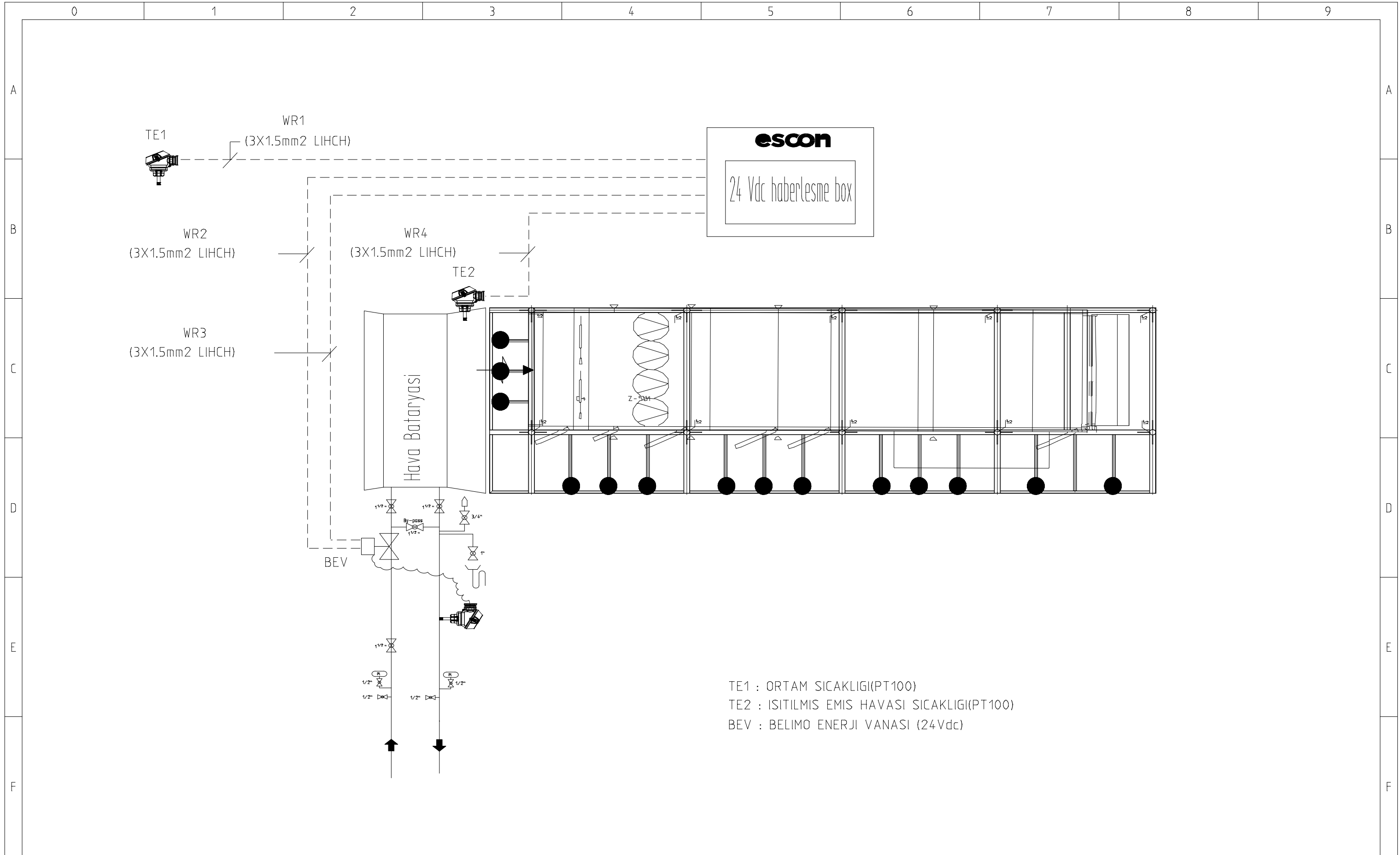
SUPPLY3
3X1.5MM2 LIYCY

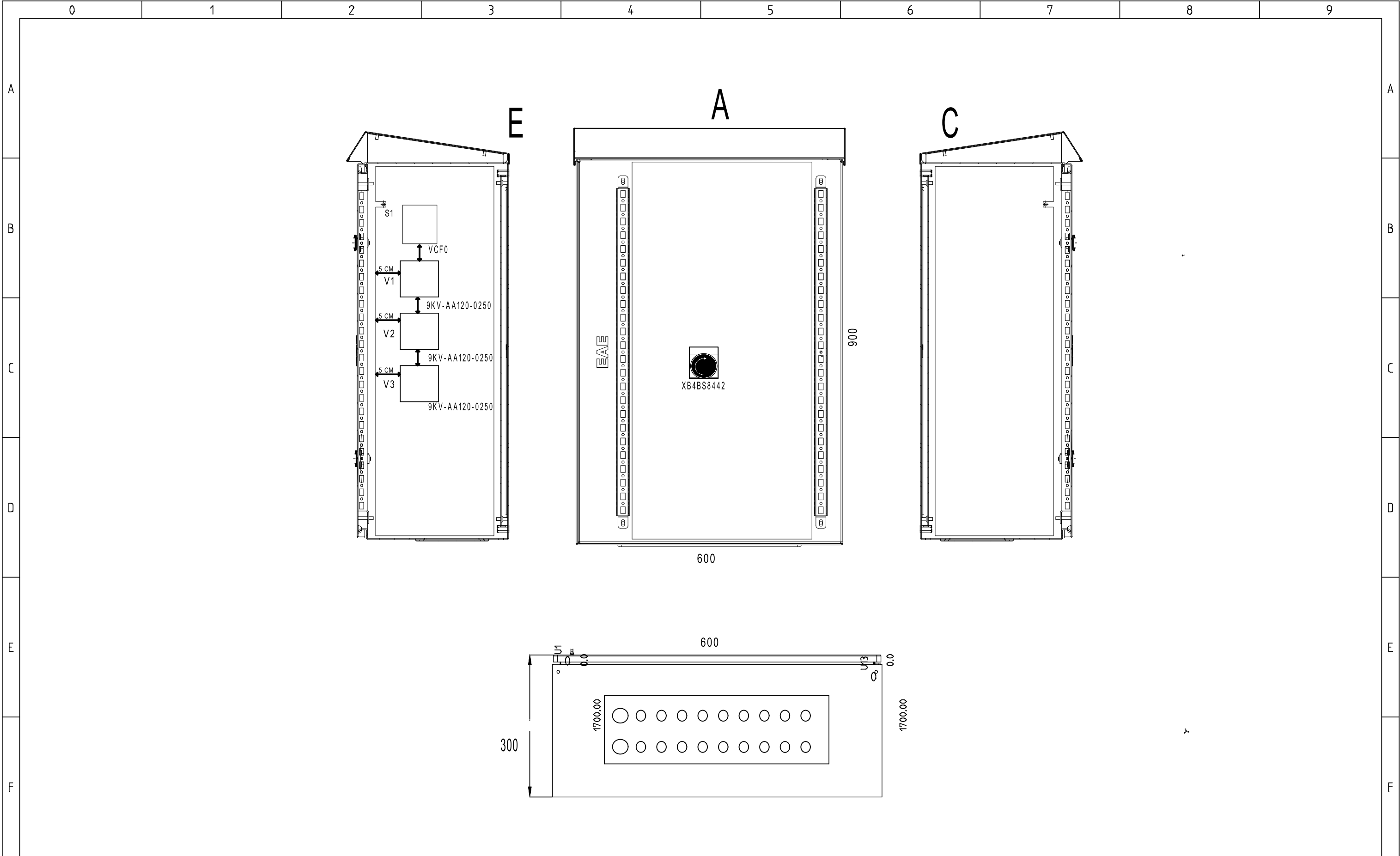
SUPPLY6
3X2.5MM2 N2XH

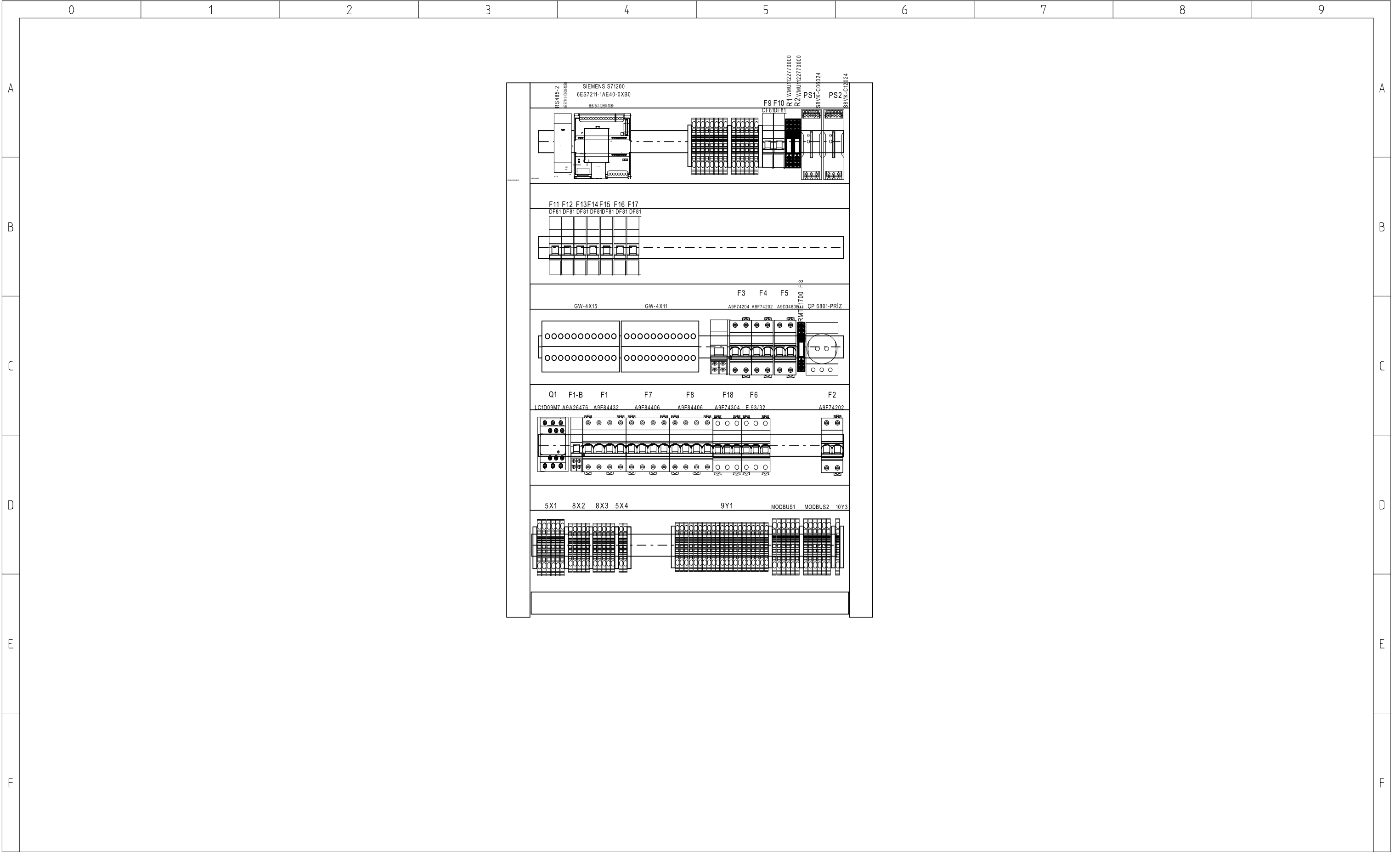
SUPPLY4
3X1.5MM2 LIYCY

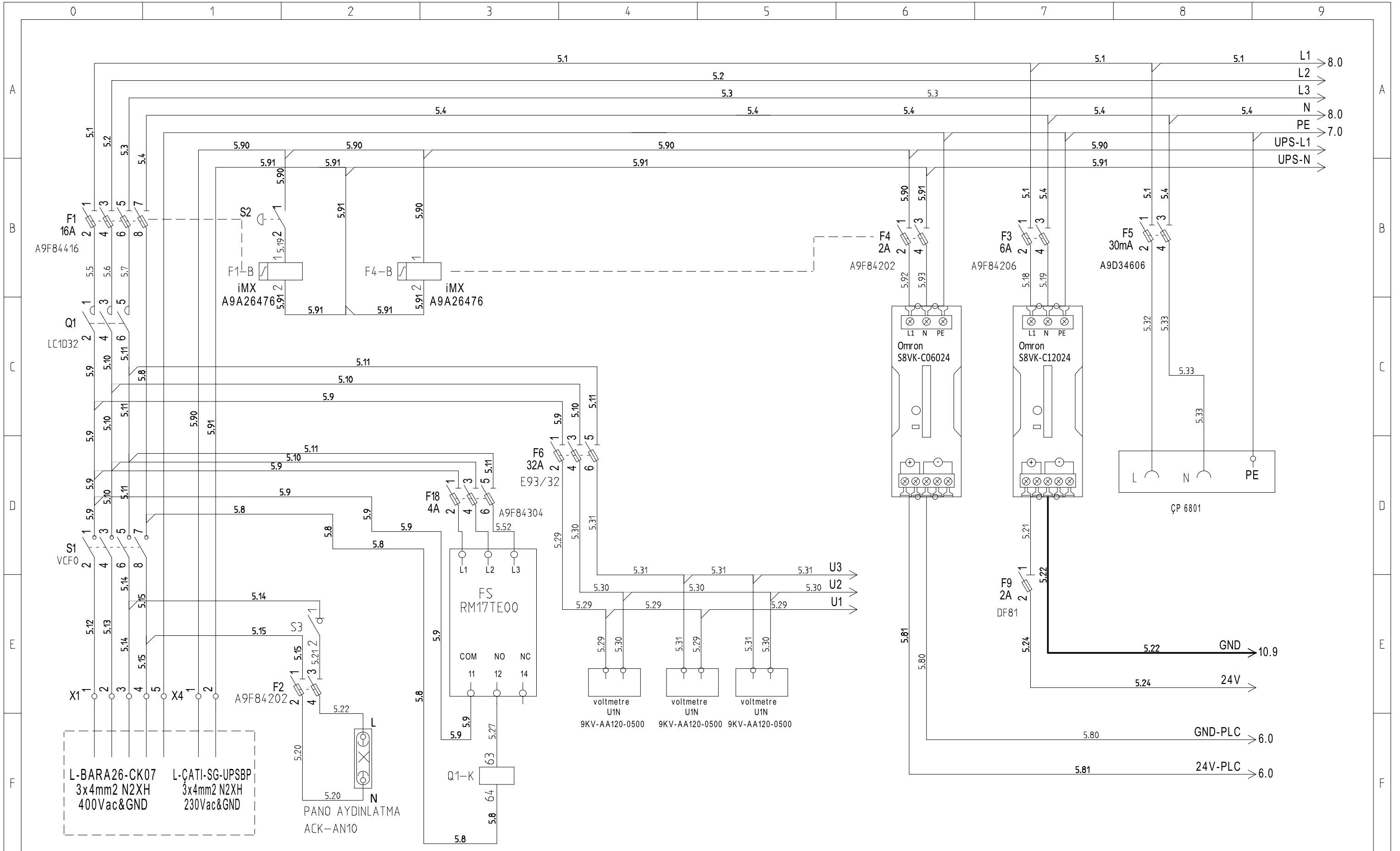
ASTAR ISI GERİ
KAZANIM PROJESİ
RS-485 HABERLEŞME
ALT YAPISI

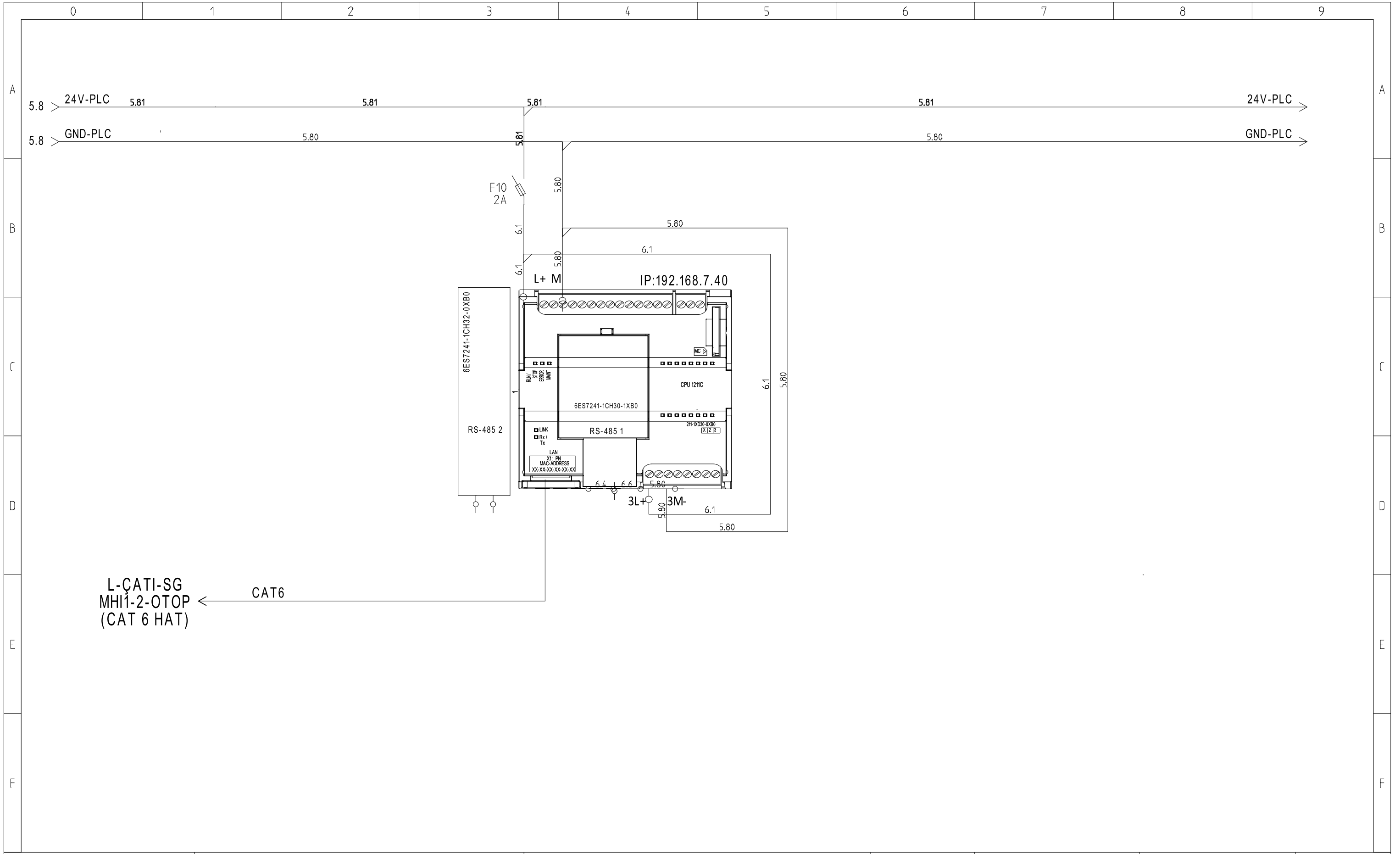












L-ÇATI-SG
MHI1-2-OTOP
(CAT 6 HAT)

CAT6



PLC S7 1200

Proje:

M40

Proje Çizen:

MUHAMMED KARABULUT

Onaylayan:

MELİH CAN ÖZTÜRK

Sayfa:

6

Tarih:

4.05.2023

Rev:

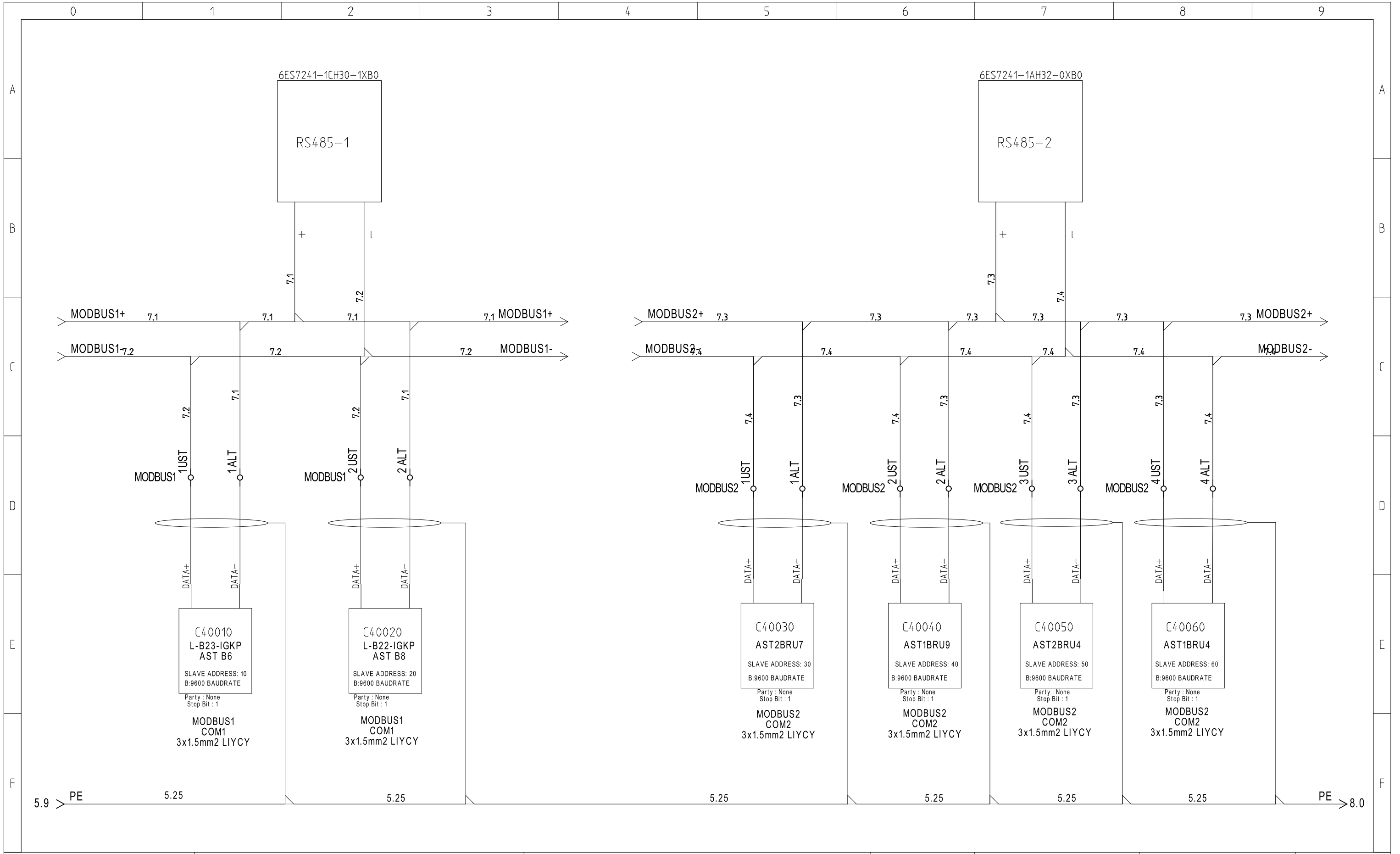
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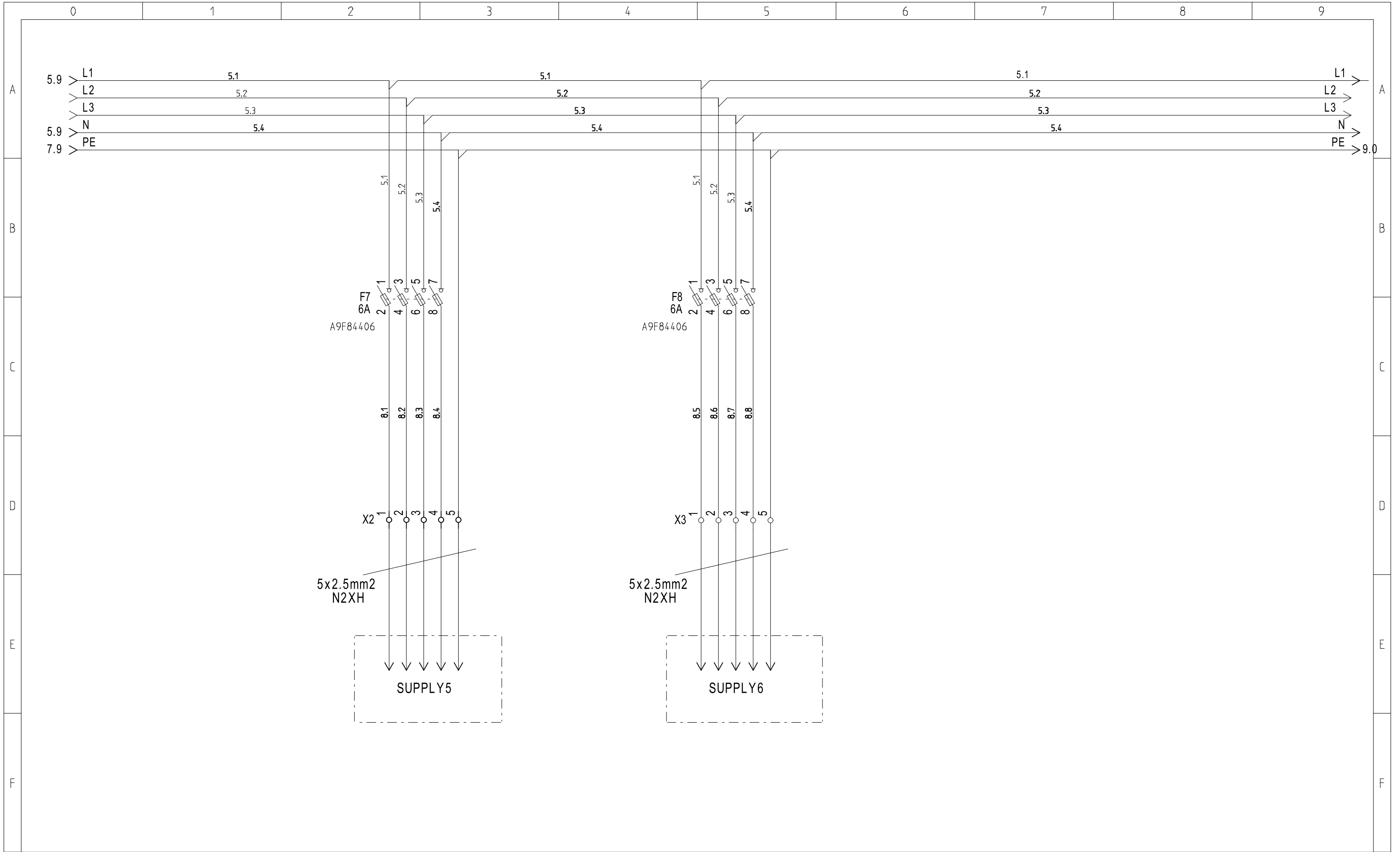
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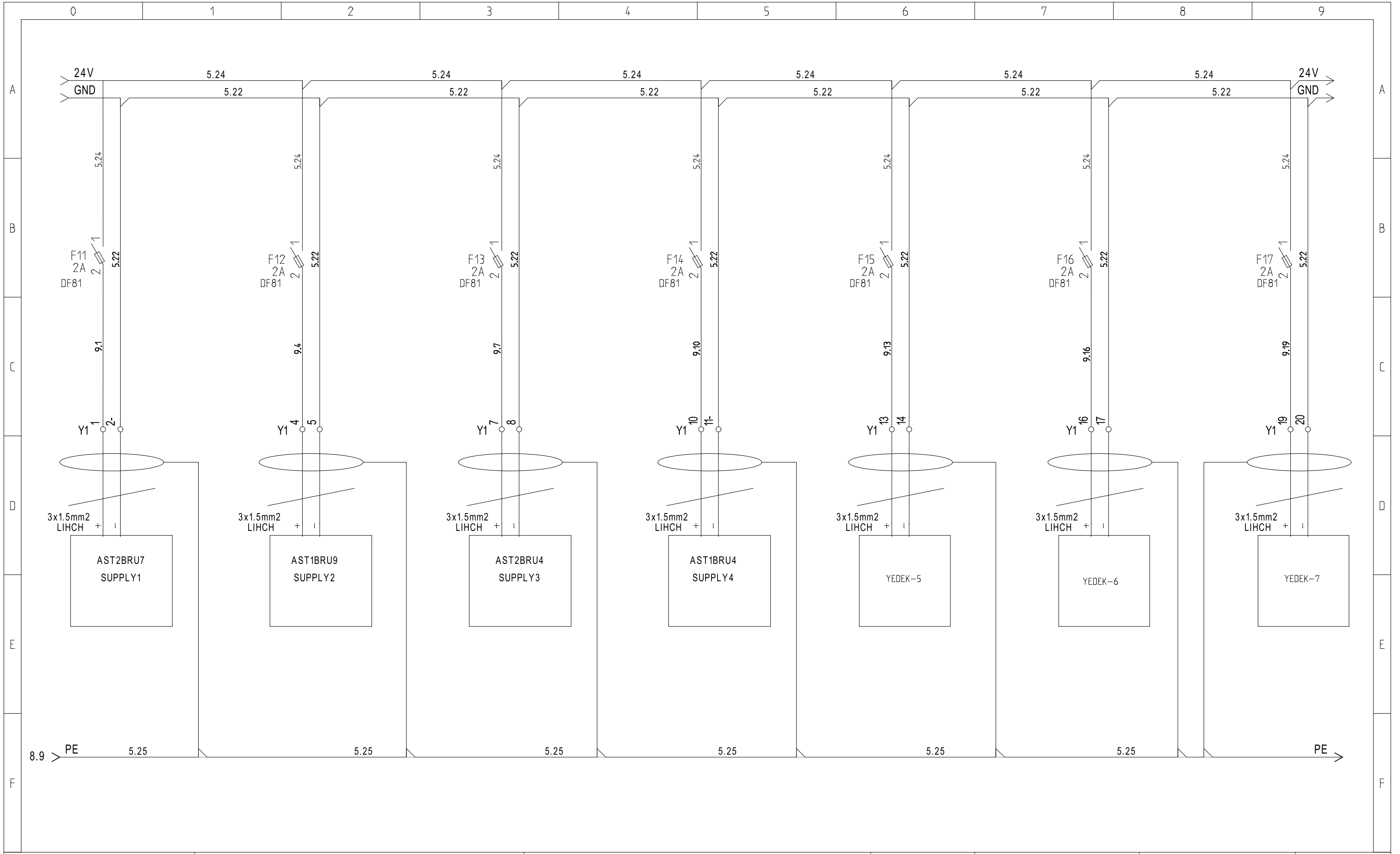
17

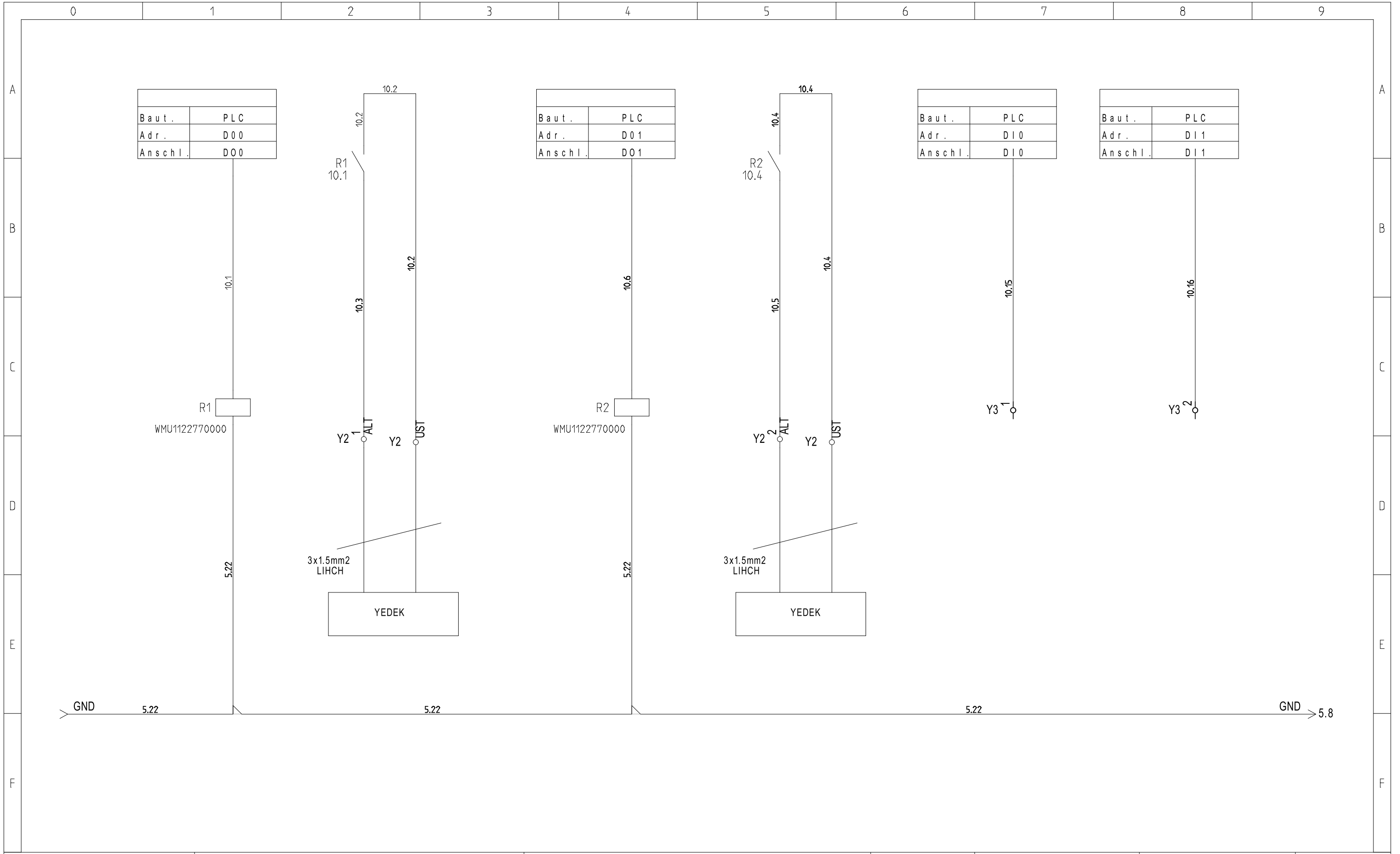
Sonraki Sayfa:

7









Bill of Materials

Tag	Type (Cat. No.)	Series	Description	Product	Price	Lin. Weight	Outer Diam.	Voltage	Current	Supplier
PLC		6ES7211-1AE40-0XB0	S7-1200 CPU 1211C DC/DC/DC	SIEMENS	1					
RS485 1		6ES7241-1CH30-1XB0	Modbus kaseti (Üsten)	SIEMENS	1					
F1		A9F84432	H32A-4P	SCHNEIDER	1					
F1-B		A9A26476	ACTIRMA BOBIN	SCHNEIDER	1					
F2		A9F74202	C2A-2P	SCHNEIDER	1					
F3		A9F74204	C2A-2P	SCHNEIDER	1					
F4		A9F74204	C2A-2P	SCHNEIDER	1					
F5		A9D34606	KACAK AKIM 6A(30mA)	SCHNEIDER	1					
F6		2CSM204753R1801	E 93/32	ABB	1					
F7		A9F84406	H6A-4P	SCHNEIDER	1					
F8		A9F84406	H6A-4P	SCHNEIDER	1					
F9		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F10		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F11		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F12		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F13		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F14		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F15		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F16		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F17		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
V1		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
V2		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
V3		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
S1		VCF0	LOTO ANAHTAR	SCHNEIDER	1					
S2		XB4BS8442	T.MEKANİK PLS ACİL STOP KIRMIZI	SCHNEIDER	1					
S3		L5K13MIP311	KAPAK SWITCH-ACISAL HAREKETLİ 14 MM. PLS. MAKARALI KOL	SCHNEIDER	1					
R1		WMU1122770000	24VOLT SLIM ROLE 6A	WEIDMULLER	1					
BARA1		GW-4X15	4 KUTUP DAGITIM BARASI 500V	GWEST	1					
BARA2		GW-4X11	4 KUTUP DAGITIM BARASI 500V	GWEST	1					
LAMP		ACK AN10	Ack 7,5W 6500K Beyaz Merkür LED Bant Armatür AN10-00730	ACK	1					
PANO		HM 90 60 30	D MONOBLOK	EAE	1					
PS		S8VK-C06024	OMRON 2.5 A GÜÇ KAYNAGI	OMRON	1					
PS		S8VK-C12024	OMRON 5 A GÜÇ KAYNAGI	OMRON	1					
Q1		LC1D09M7	TeSys D kontaktör - 3P(3 NA) - AC-3 - <= 440 V 9 A - 220 V AC bobin	SCHNEIDER	1					
KONTAK		LADN20	TeSys D - yardımcı kontak BLOĞU - 2 NA	SCHNEIDER	1					
PRIZ		Çp 6801	RAY TİPİ PRİZ	CETINKAYA	1					
R2		WMU1122770000	24VOLT SLIM ROLE 6A	WEIDMULLER						

	Modifications Since Previous Revision	M40 A LIST OF MATERIALS	Document Number:	Sheet: 11 of 18	Rev. Date:	Rev.:
Modification #1			Cre. Date:	5.05.2023		
Modification #2			Sheet Created by:			
Modification #3						

	0	1	2	3	4	5	6	7	8	9	
A											A
B											B
C											C
D											D
E											E
F											F

Terminal Strip X1

No.	Term.	Sheet	Line	
1	○	5	0	5.12 5.12 S1:2
2	○	5	0	5.13 5.13 S1:4
3	⊖	5	0	5.14 5.14 S1:6
	⊖			5.14 5.14 S3:1
4	⊖	5	1	5.15 5.15 F2:1
	⊖			5.15 5.15 S1:2
5	○	5	1	PE

X2

No.	Term.	Sheet	Line	
1	○	8	1	F7:2
2	○	8	2	F7:4
3	○	8	3	F7:6
4	○	8	4	F7:8
5	○	8	5	PE

Terminal Strip X3

No.	Term.	Sheet	Line	
1	○	8	1	8.5 8.5 F8:2
2	○	8	2	8.6 8.6 F8:4
3	○	8	3	8.7 8.7 F8:6
4	○	8	4	8.8 8.8 F8:8
5	○	8	5	PE

X4

No.	Term.	Sheet	Line	
1	○	5	1	5.90 5.90 S2:1
2	⊖	5	1	5.91 5.91 F1-B:2
	⊖			5.91 5.91 F4-B:2



TERMINAL STRIPS

Proje:	M40	Proje Çizen:	MUHAMMED KARABULUT	Onaylayan:	MELİH CAN ÖZTÜRK	Sayfa:	12
Tarih:	4.05.2023	Rev:		Proje Id:		Toplam Sayfa:	17
						Sonraki Sayfa:	13

