

#### **ENERGY EFFICIENCY**

**ECONOMIZER CONTROL SYSTEM CLIENT** 

23006 20.02.2023 DATE 12

TOTAL PAGE

EKONOMİZER CLIENT

Escon Energy

Zake Enginnering

Renault Oyak

See Elektrical V8.2

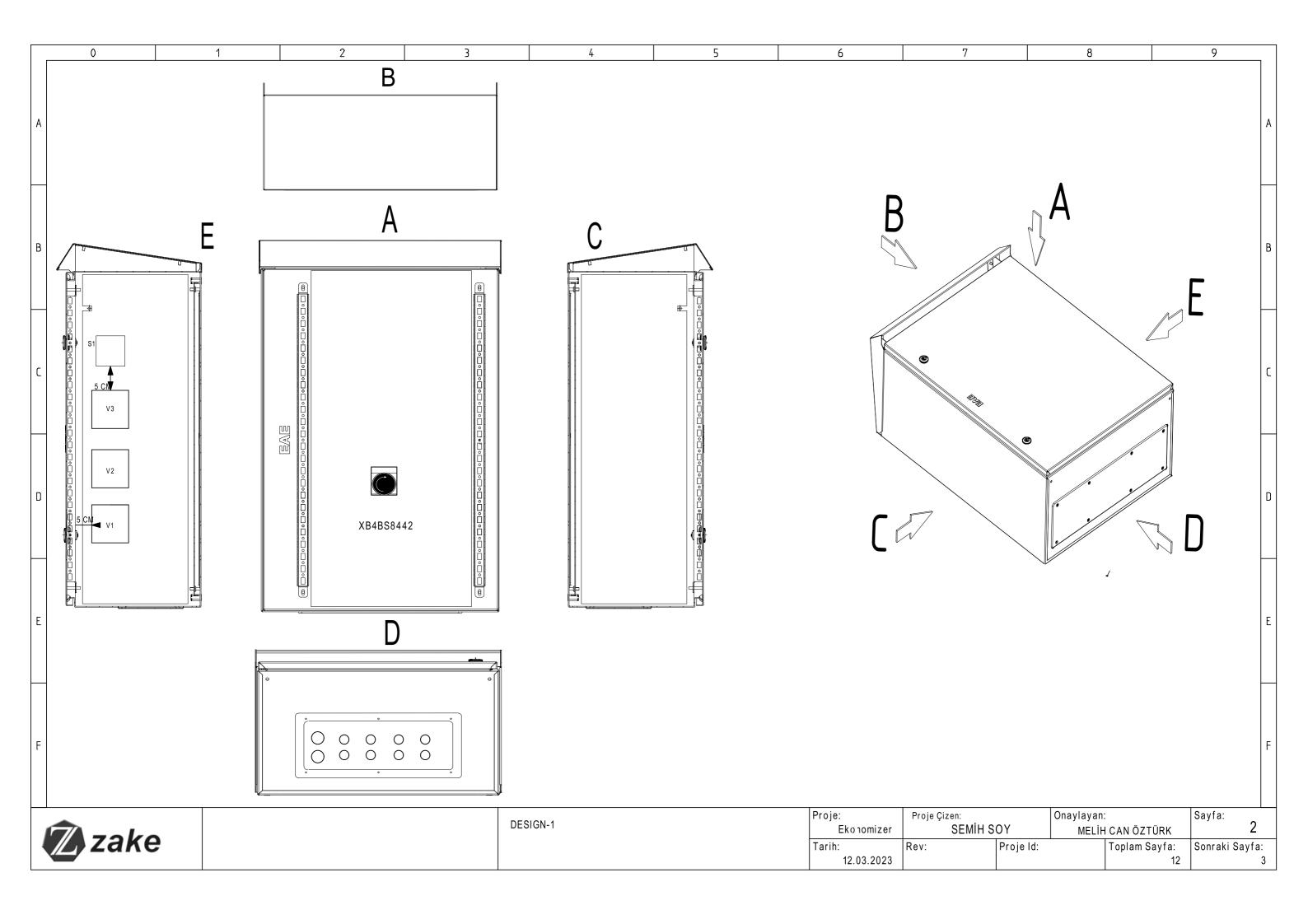
## Bill of Materials, Terminals and Cables

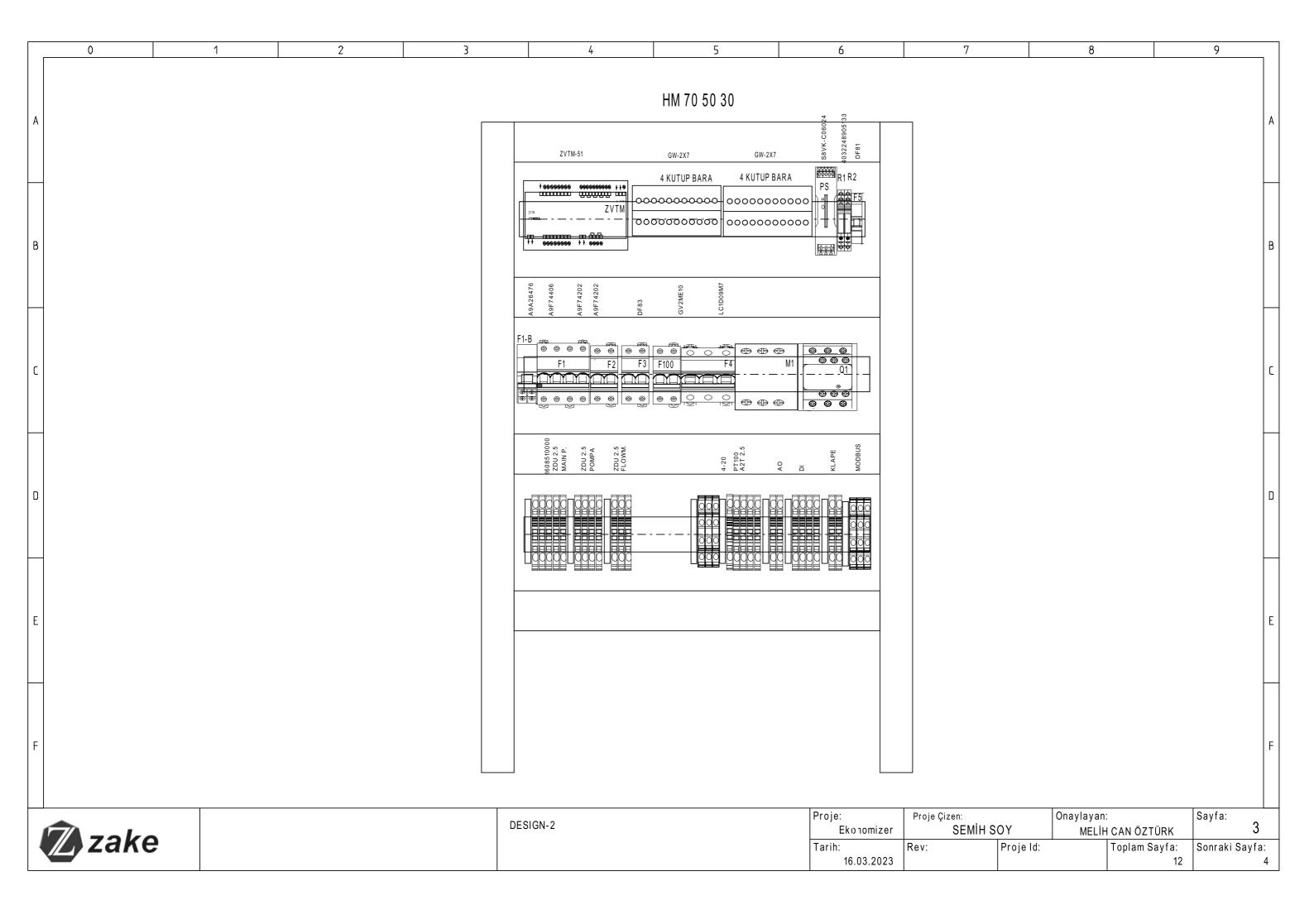
Tag	Type (Cat. No.)	Series	Description	Product	Price	Lin. Weight	Outer Diam.	Voltage	Current	Supplier
ZVTM		ZVTM-51	I/O MODUL	ZAKE	1					
F1		A9F74406	iC60N - minyatür devre kesici - 4P - 6A - C eğrisi	SCHNEIDER	1					
F2		A9F74202	C2A-2P	SCHNEIDER	1					
F3		A9F74202	C2A-2P	SCHNEIDER	1					
=5		2CSM204753R1801	E 93/32	ABB	1					
F4		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F100		A9F74202	C2A-2P	SCHNEIDER	1					
-1-B		A9A26476	ACTIRMA BOBIN	SCHNEIDER	1					
/1		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
/2		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
/3		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
62		XB4BS8442	T.MEKANİK PLS ACİL STOP KIRMIZI	SCHNEIDER	1					
S3		L5K13MIP311	KAPAK SWITCH-ACISAL HAREKETLİ 14 MM. PLS. MAKARALI KOL	EMAS	1					
₹1		WMU1122770000	24VOLT SLIM ROLE 6A	WEIDMULLER	1					
₹2		WMU1122770000	24VOLT SLIM ROLE 6A	WEIDMULLER	1					
S1		VCF0	LOTO ANAHTAR	SCHNEIDER	1					
BARA		GW-4X7	4 KUTUP DAGITIM BARASI 220VOLT	GWEST	2					
.AMP		ACK AN10	Ack 7,5W 6500K Beyaz Merkür LED Bant Armatür AN10-00730	ACK	1 1					
PANO		HM 70 50 30	D MONOBLOK	EAE	1					
PS		S8VK-C06024	OMRON 2.5 A GÜÇ KAYNAGI	OMRON	1					
V11		GV2P05	TeSys GV2-Devre kesici-termal manyetik - 0,631 A - vida kelepçesi terminalleri	SCHNEIDER	1					
Q1		LC1D09M7	TeSys D kontaktör - 3P(3 NA) - AC-3 - <= 440 V 9 A - 220 V AC bobin	SCHNEIDER	1					
KONTAK		GVAE11	TeSys GV2 ve GV3 - yardımcı kontak - 1 NA + 1 NK	SCHNEIDER	1					
		DF2BN0200	KARTUS SIGORTA 2A 8X31	SCHNEIDER	1					
					1					

	Modifications Since Previous Revision
Modification #1	
Modification #2	
Modification #3	

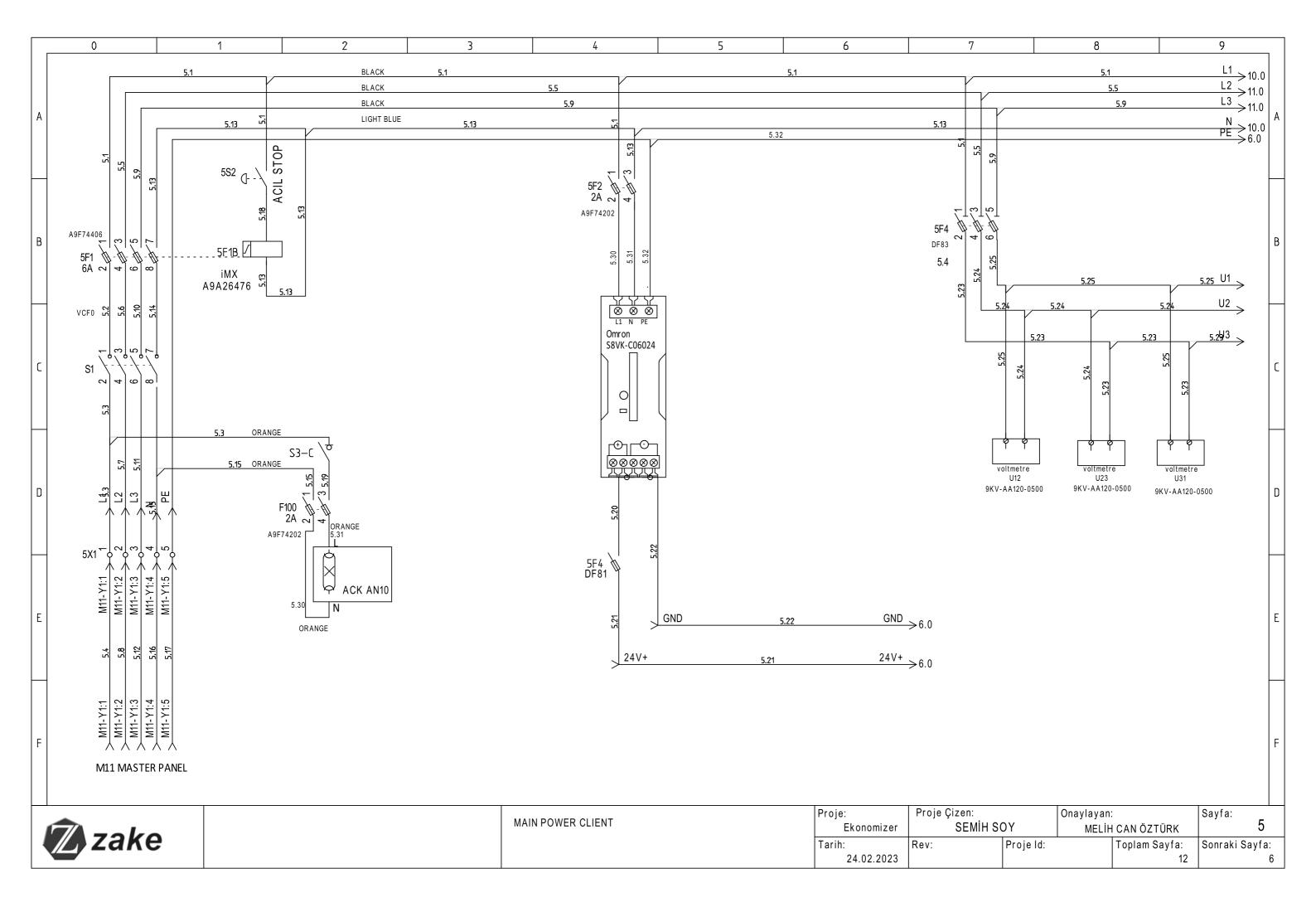
Ekonomizer A LIST OF MATERIALS 2

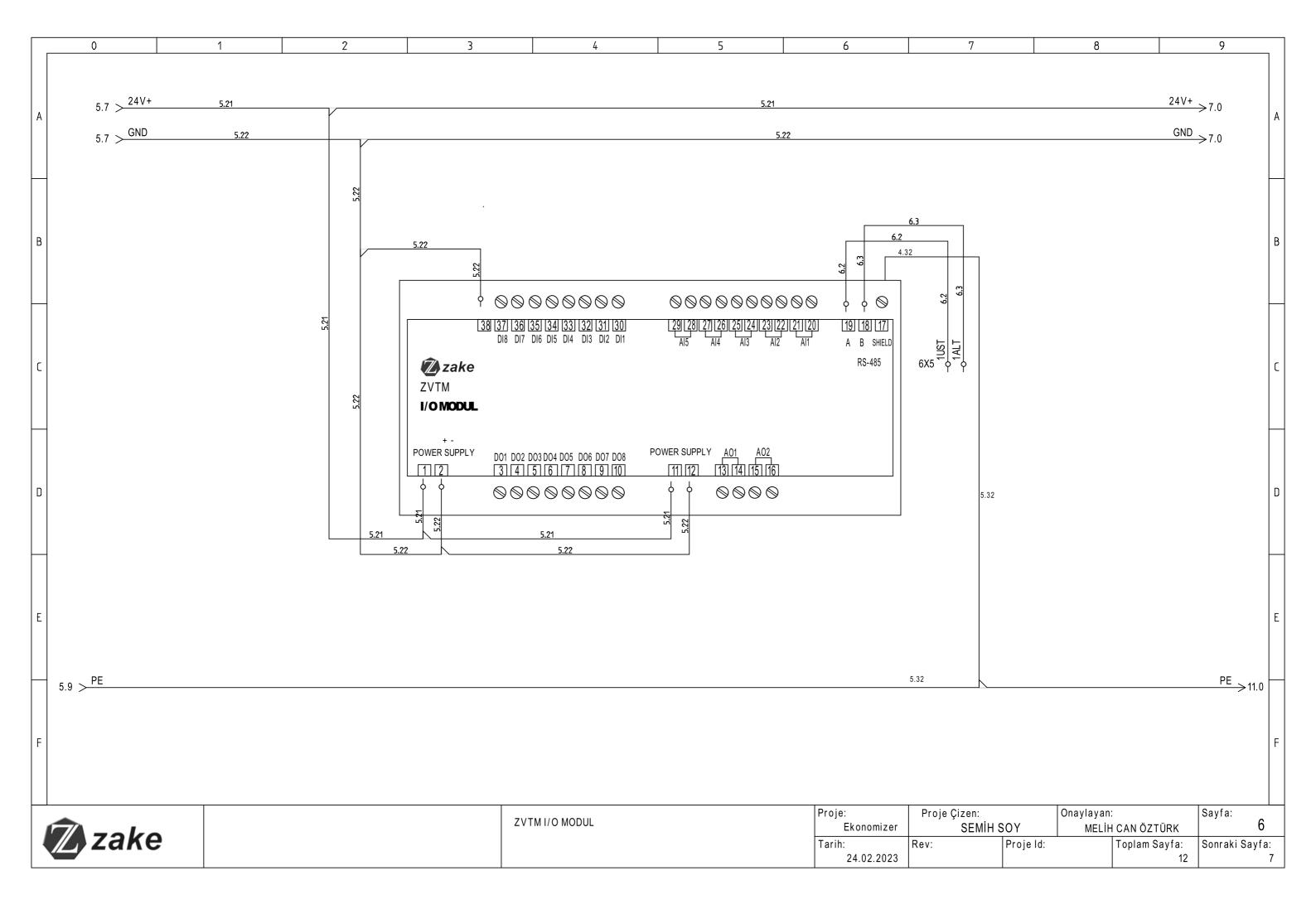
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	1 of 13	Cre. Date:	12.03.2023	
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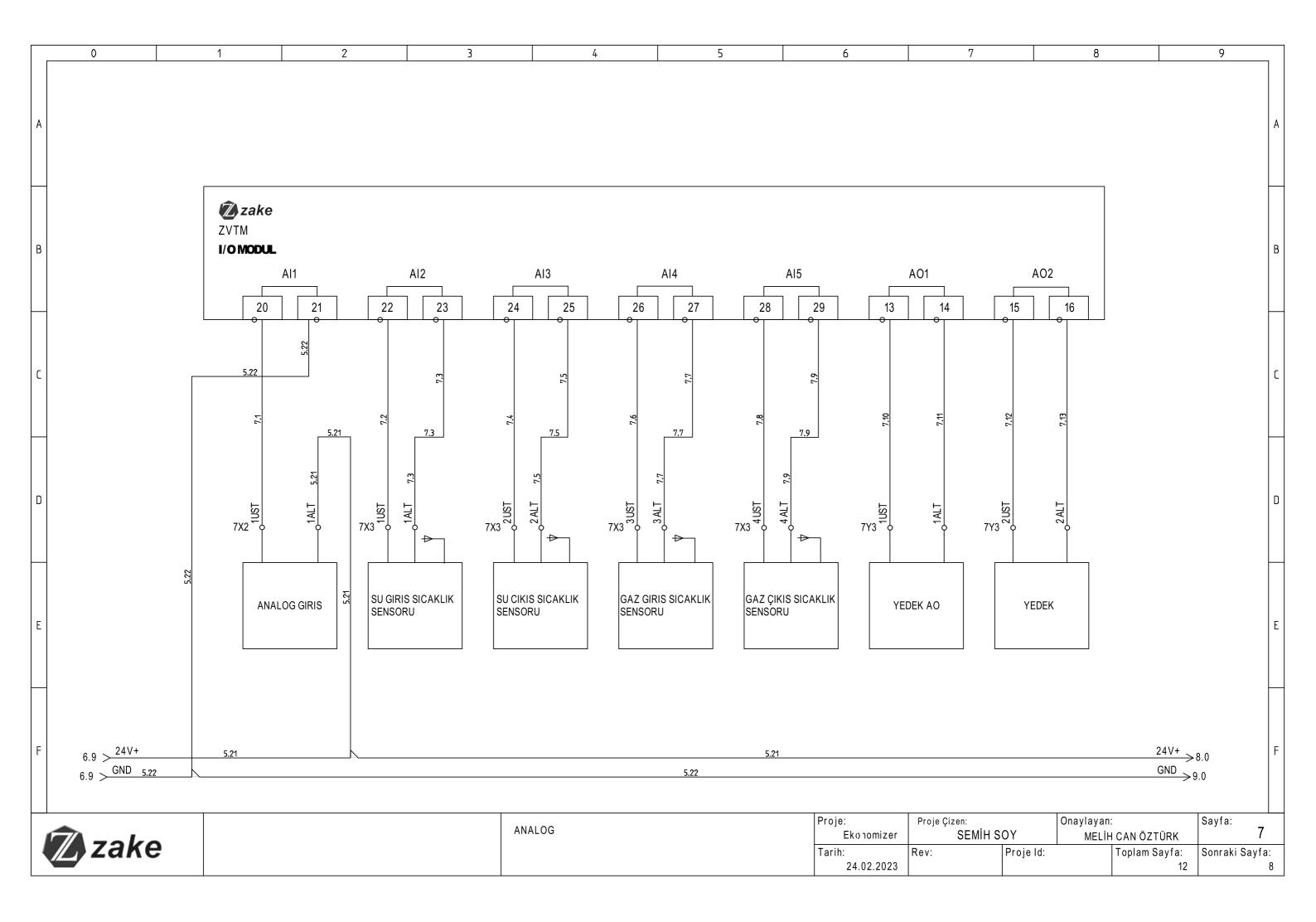


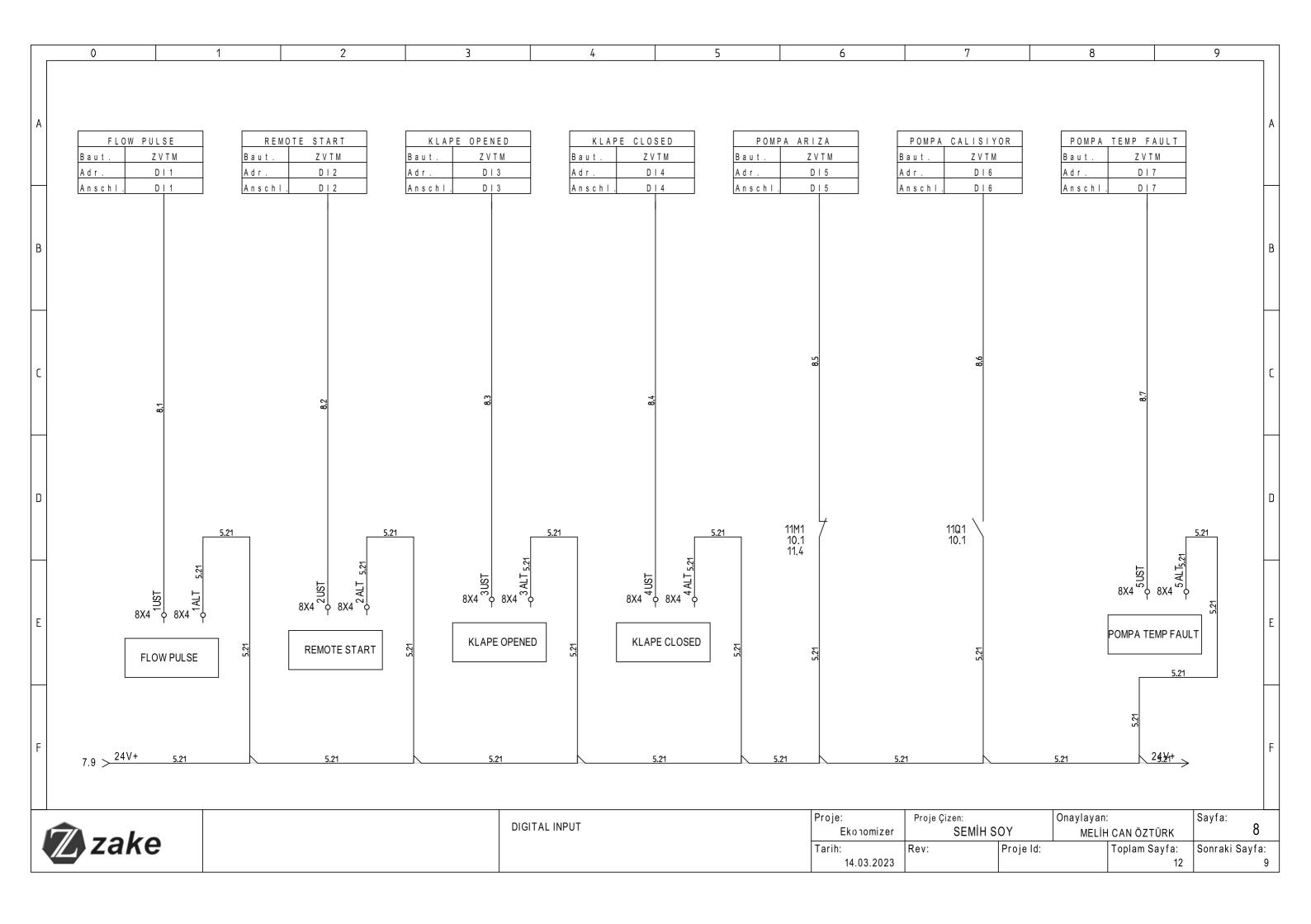


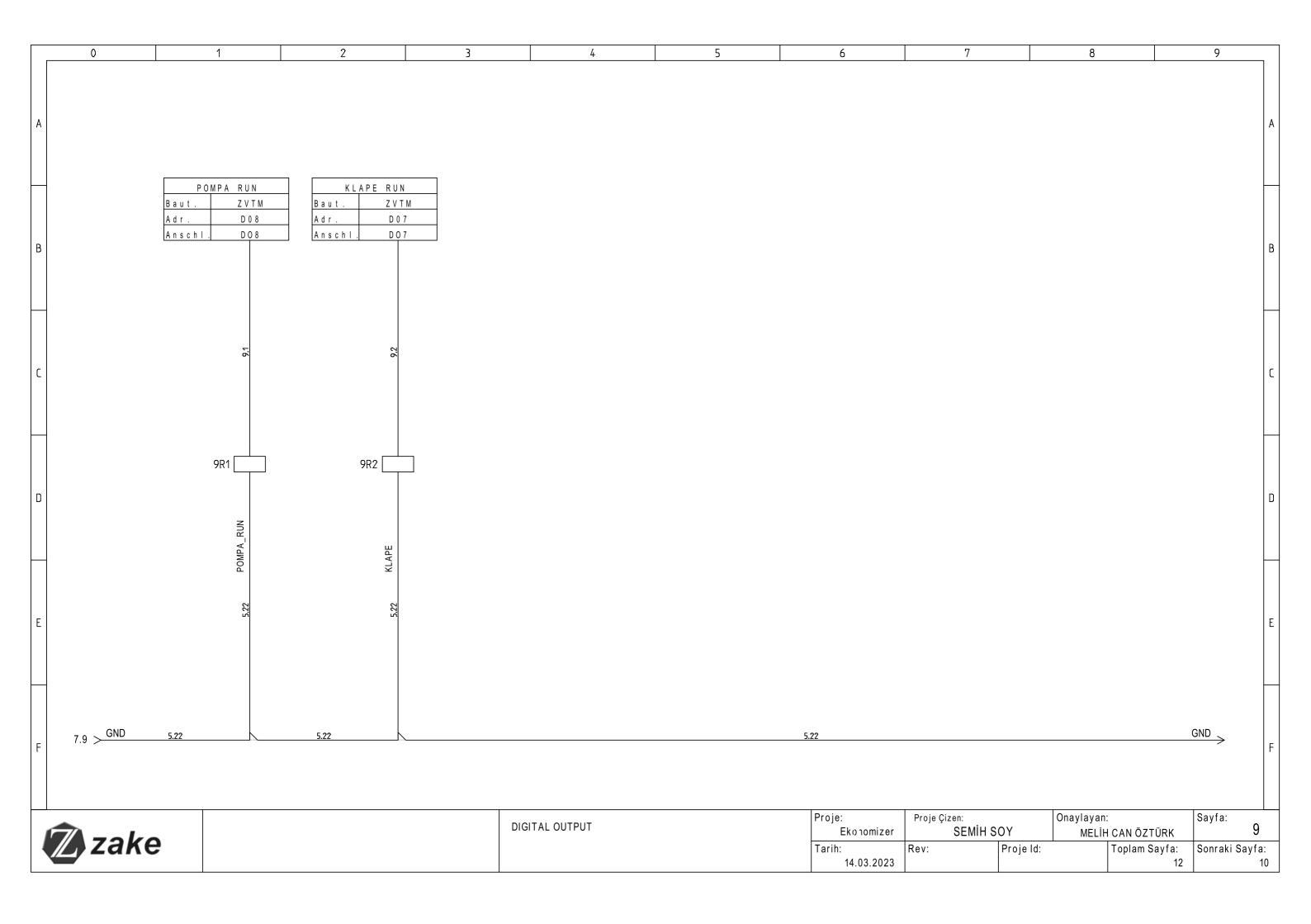
			List of D	ocume	nts					,
Sheet	Kind of Document	Description	Revision date	Sheet	Kind of Document	Description			Revision	date
1	Table of Contents		16.03.2023							
1	Project cover sheet									
1	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 2								
2	Circuit diagrams (EN/IEC)	DESIGN-1								
3	Circuit diagrams (EN/IEC)	DESIGN-2								
4	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS1								
5	Circuit diagrams (EN/IEC)	MAIN POWER CLIENT								
6	Circuit diagrams (EN/IEC)	ZVTMI/O MODUL								
7	Circuit diagrams (EN/IEC)	ANALOG								
8	Circuit diagrams (EN/IEC)	DIGITAL INPUT								
9	Circuit diagrams (EN/IEC)	DIGITAL OUTPUT								
10	Circuit diagrams (EN/IEC)	AC DC KONTROL								
11	Circuit diagrams (EN/IEC)	AC KONTROL								
12	Circuit diagrams (EN/IEC)	TERMINAL								
		<b>'</b>	LIST OF DOCUMENTS1		Pr	roject:	Drawing no.:	Rev.:	Init.:	
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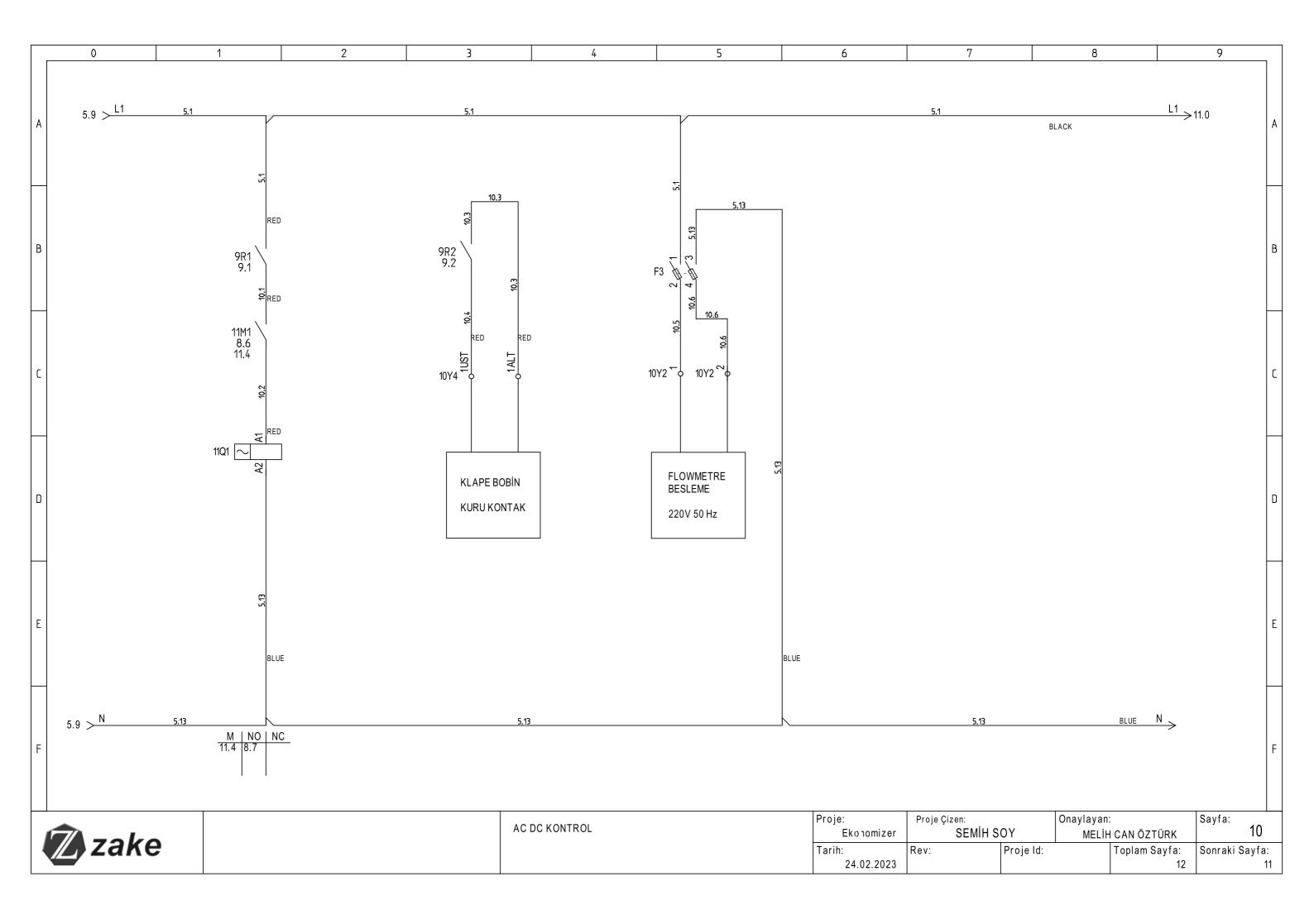


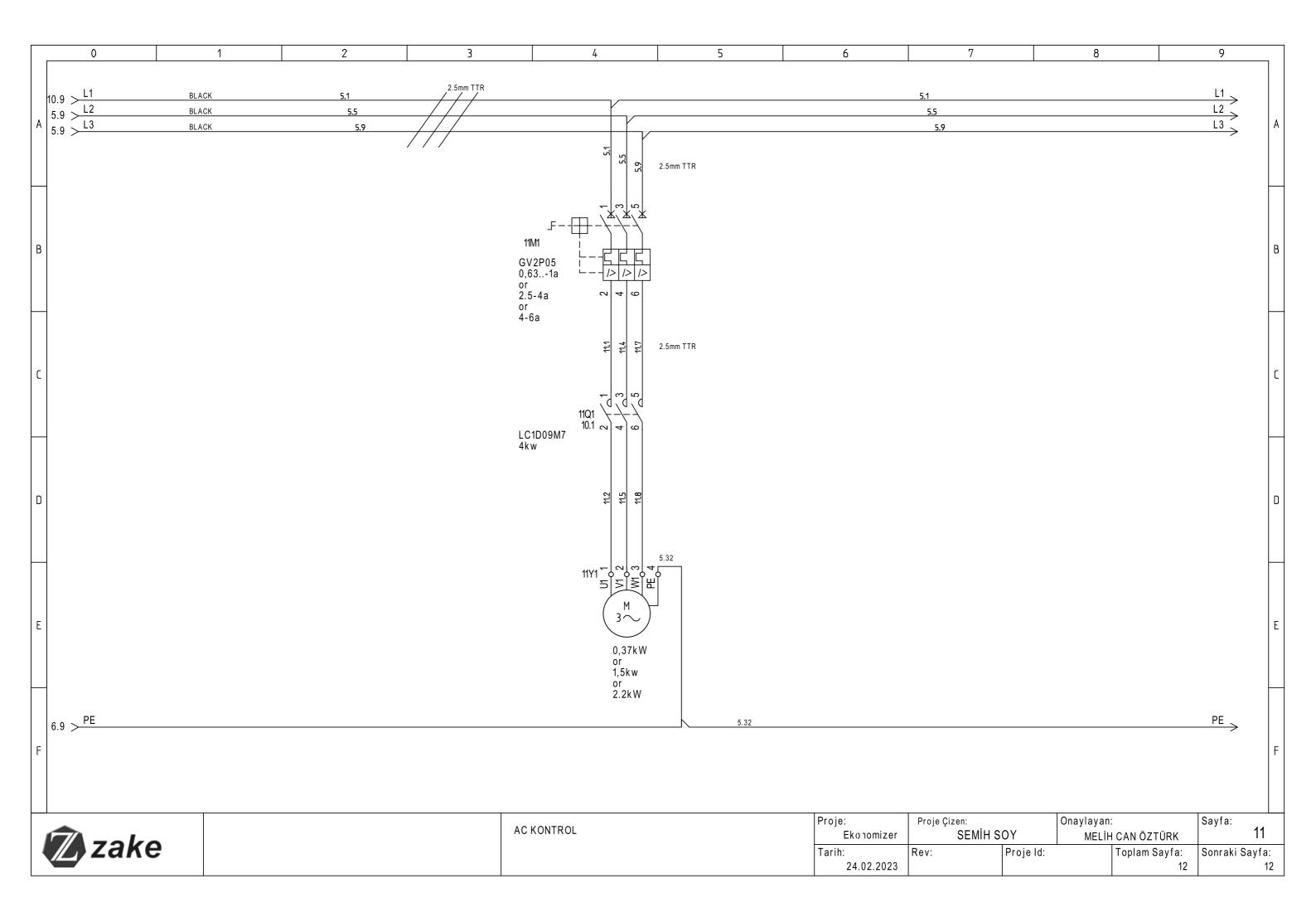












5X1

No.	Term.	Sheet	Line			
1	0	5	0	5.3	5.3	- S1:2
	0			5.3	5.3	- S3-C
2	0	5	0	5.7	5.7	- S1:2
3	0	5	0	5.11	5.11	- S1:2
4	0	5	1	5.15	5.15	- F100:
5	0	5	1			

7X2

	No.	Term.	Sheet	Line			
ĺ	1 UST	0	7	1	7.1	7.1	– ZVTM-AI1:
	1 ALT	0	7	2	5.21	5 . 2 1	- F8
		0			5.21	5.21	- X4:1 ALT

7X3

No.	Term.	Sheet	Line			
1 UST	0	7	2	7.2	7.2	- ZVTM AI2 +
1 ALT	0	7	3	7.3	7.3	- ZVTM AI2 -
2 UST	0	7	3	7.4	7.4	- ZVTM AI3 +
2 ALT	0	7	4	7.5	7.5	- ZVTM AI3 -
3 UST	0	7	4	7.6	7.6	- ZVTM AI4 +
3 ALT	0	7	5	7.7	7.7	- ZVTM AI4 -
4 UST	0	7	5	7.8	7.8	- ZVTM AI5 +
4 ALT	0	7	6	7.9	7.9	- ZVTM AI5 -

6X5

	No.	Term.	Sheet	Line		
İ	1 UST	0	6	7	6.2	ZVTM DATA +
ĺ	1 ALT	0	6	7	6.3	ZVTM DATA -

#### 11Y1

	No.	Term.	Sheet	Line			
SIRKULASYON POMPASI: U1 — 11.3 11.3	1	0	11	4	11.2	11.2	— Q1:2
SIRKULASYON POMPASI: U1 — 11.6 11.6	2	0	11	4	11.5	11.5	— Q1:2
SIRKULASYON POMPASI: U1 — 11.9 11.9	3	0	11	4	11.8	11.8	— Q1:2
SIRKULASYON POMPASI: U1 — 11.10 11.10	4	0	11	4			Q1.2

### 10Y2

No.	Term.	Sheet	Line			
1	0	10	5	10.5	10.5	— F3:2
2	0	10	5	10.6	10.6	— F3:2

#### 7Y3

No.	Term.	Sheet	Line		
1 UST	0	7	6	7.10 7.10	ZVTM AO1+
1 ALT	0	7	7	7.11 7.11	ZVTM AO1 -
2 UST	0	7	7	7.12 7.12	ZVTM AO2 +
2 ALT	0	7	8	7.13 7.13	ZVTM AO2 -

# 10Y4

No.	Term.	Sheet	Line			
1 UST	0	10	3	10.4	10.4	R2
1 ALT	0	10	3	10.3	10.3	R2