

#### **ENERGY EFFICIENCY**

ECONOMIZER CONTROL SYSTEM KATAFOREZ

ID	23006
DATE	20.02.2023

TOTAL PAGE

M30 AHU ÖN ISITMA KULE1

Escon Energy

Zake Enginnering

Renault Oyak

See Elektrical V8.2

## A list 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 (6DI 4DQ 2AI)	SIEMENS	1					
RS485 1		6ES7241-1CH30-1XB0	Modbus kaseti (Üsten)	SIEMENS	1					
RS-485 2		6ES7241-1CH32-0XB0	Modbus Haberlesme Modül(Yandan)	SIEMENS	1					
ETH-1		6GK7277-1AA10-0AA0	Ethernet Switch	SIEMENS	1					
GSM MODEM		RUT240	GSM MODEM	TELTONIKA	1					
7" EKRAN		6AV2123-2GB03-0AX0	KTP700	SIEMENS	1					
F1		A9F74210	C10A-2P	SCHNEIDER	1					
F2		A9F74203	C4A - 2P	SCHNEIDER	1					
F3		A9D34606	KACAK AKIM 2A (30mA)	SCHNEIDER	1					
F4		A9F74202	C2A-2P	SCHNEIDER	1					
F5		A9F74202	C2A-2P	SCHNEIDER	1					
F6		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F7		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	SCHNEIDER	1					
F8		DF81	Fuse carrier TeSys DF, 1P 25A, fuse size 8.5x31.5 mm	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		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F18		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F19		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F20		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F21		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F22		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F23		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F24		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F25		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F26		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
F27		2562730000-WSI6	SIGORTALI KLEMENS	WEIDMULLER	1					
R1		WMU1122770000	24VOLT SLIM ROLE 6A	WEIDMULLER	1					
F1-B		A9A26476	ACTIRMA BOBIN	SCHNEIDER	1					
LAMP		ED LIGHT 5WAT	LED ARMATÜR		1					
S2		VCF0	LOTO ANAHTAR	SCHNEIDER	1					
S3		L5K13MIP311	KAPAK SWITCH-ACISAL HAREKETLİ 14 MM. PLS. MAKARALI KOL	EMAS	1					
S1		XB5AS8442	T.MEKANİK PLS ACİL STOP KIRMIZI	SCHNEIDER	1					
V1		9KV-AA120-0250	ANALOG VOLTMETRE	SCHNEIDER	1					
BARA1		GW-2X7	2 KUTUP DAGITIM BARASI 24 VOLT	GWEST	1					
BARA2		GW-2X7	2 KUTUP DAGITIM BARASI 220VOLT	GWEST	1					
	1	1		1	<u> </u>			1		

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

M30 AHU ÖN ISITMA KULE1
A LIST OF MATERIALS 1

Document Number:		Rev. Date:	Rev.:	
	1 of 116	Cre. Date:	11.03.2023	
		Sheet Created by:		

# A list of materials

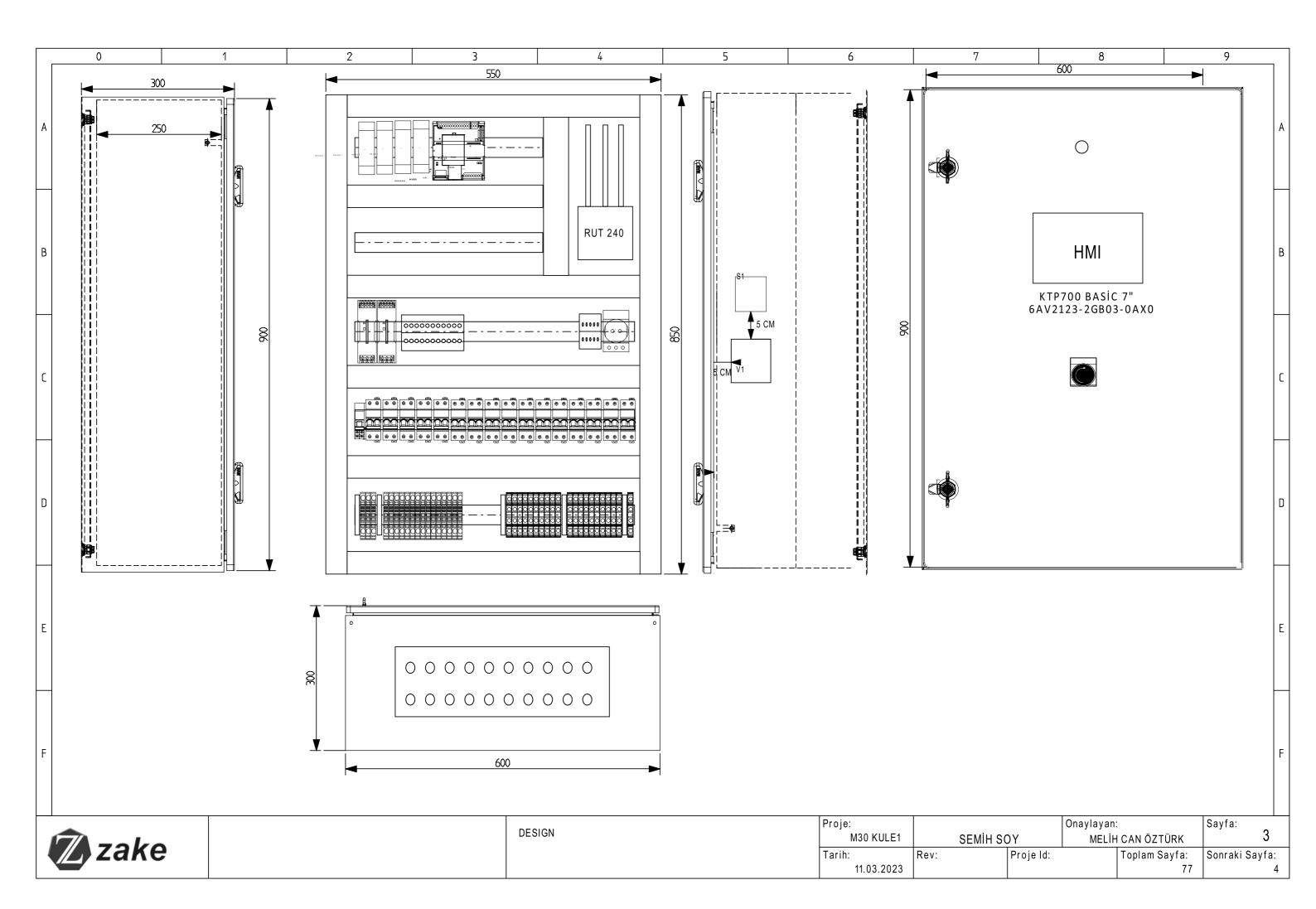
Tag	Type (Cat. No.)	Series	Description	Product	Price	Lin. Weight	Outer Diam.	Voltage	Current	Supplier
ZVTM PRIZ		ZVTM-51	I/O MODUL	ZAKE	11					
PRIZ		Çp 6801	RAY TİPİ PRİZ	CETINKAYA						
BARA2			2 KUTUP DAGITIM BARASI 220 VOLT	GWEST	1					
					'					

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

M30 AHU ÖN ISITMA KULE1 A LIST OF MATERIALS 2

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	2 of 116	Cre. Date:	11.03.2023	
		Sheet Created by:		

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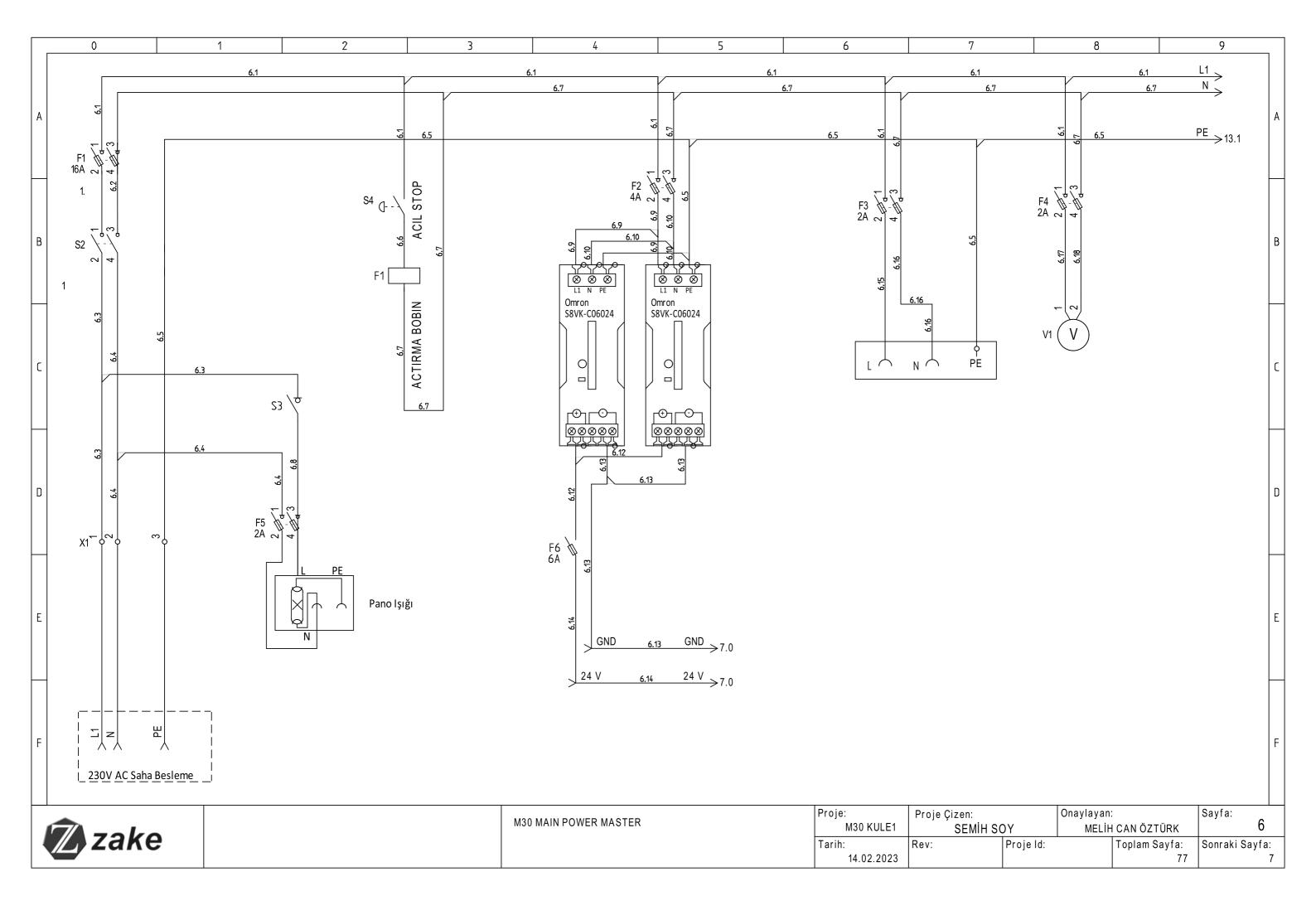
### List of Documents

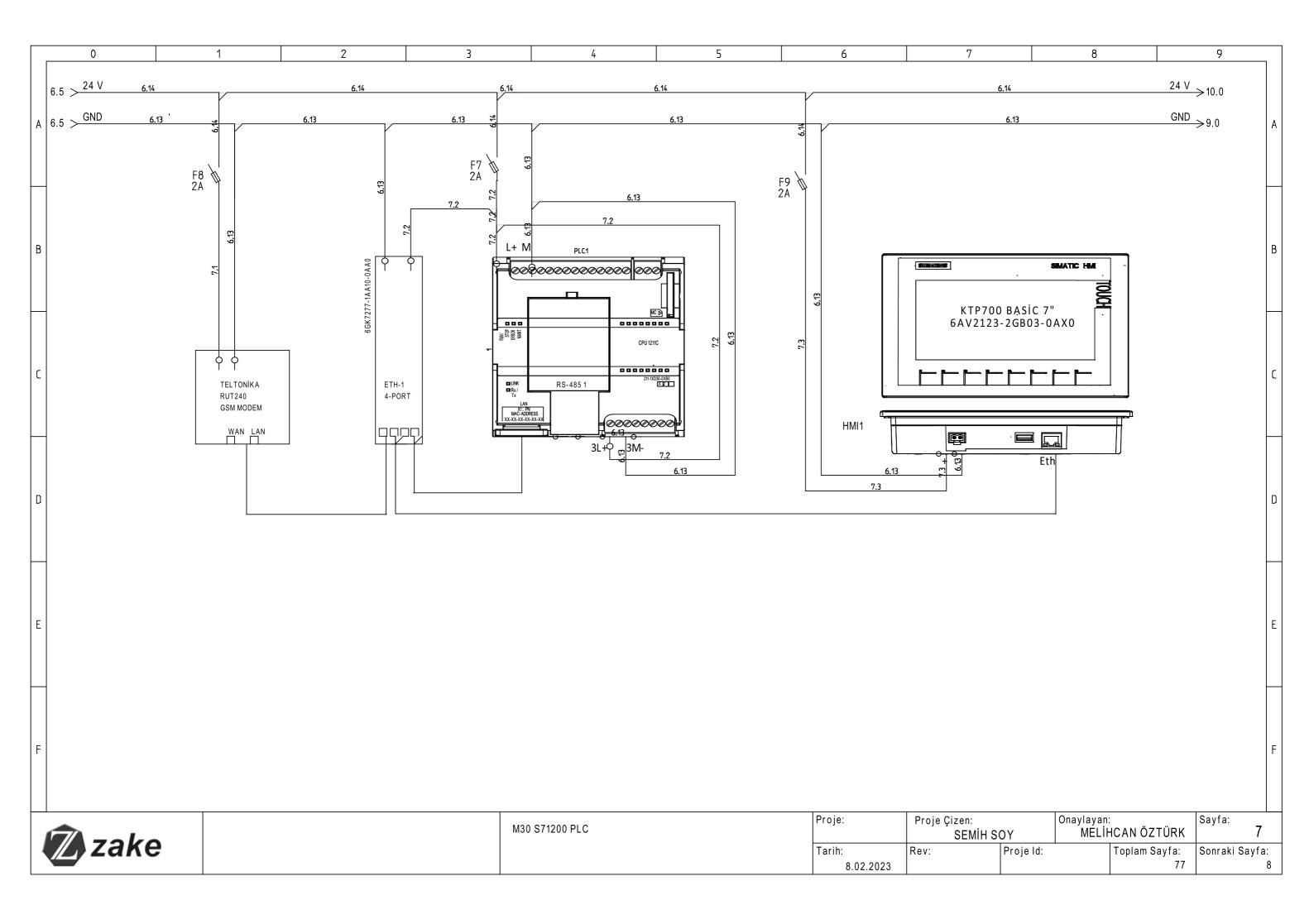
Sheet	Kind of Document	Description	Revision date	Sheet	Kind of Document	<u> </u>
1	Table of Contents		11.03.2023	28	Circuit diagrams (EN/IE	C)
2	Table of Contents		11.03.2023	29	Circuit diagrams (EN/IE	C)
1	Project cover sheet			30	Circuit diagrams (EN/IE	C)
1	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 1		31	Circuit diagrams (EN/IE	C)
2	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 2		32	Circuit diagrams (EN/IE	C)
3	Circuit diagrams (EN/IEC)	DESIGN		33	Circuit diagrams (EN/IE	C)
4	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS1		34	Circuit diagrams (EN/IE	C)
5	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS2		35	Circuit diagrams (EN/IE	(C)
6	Circuit diagrams (EN/IEC)	M30 MAIN POWER MASTER		36	Circuit diagrams (EN/IE	C)
7	Circuit diagrams (EN/IEC)	M30 S71200 PLC		37	Circuit diagrams (EN/IE	C)
8	Circuit diagrams (EN/IEC)	HABERLESME		38	Circuit diagrams (EN/IE	C)
9	Circuit diagrams (EN/IEC)	M30 AC DC KONTROL		39	Circuit diagrams (EN/IE	C)
10	Circuit diagrams (EN/IEC)	M30 DC KONTROL		40	Circuit diagrams (EN/IE	C)
11	Circuit diagrams (EN/IEC)	TERMINALLISTS		41	Circuit diagrams (EN/IE	C)
12	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-8		42	Circuit diagrams (EN/IE	C)
13	Circuit diagrams (EN/IEC)	C30010 AHU-8		43	Circuit diagrams (EN/IE	C)
14	Circuit diagrams (EN/IEC)	C30010 AHU-8 ANALOGINPUT		44	Circuit diagrams (EN/IE	C)
15	Circuit diagrams (EN/IEC)	C30010 AHU-08		45	Circuit diagrams (EN/IE	(C)
16	Circuit diagrams (EN/IEC)	C30010 A LIST OF MATERIIALS		46	Circuit diagrams (EN/IE	C)
17	Circuit diagrams (EN/IEC)	C30010 TERMINAL LISTS		47	Circuit diagrams (EN/IE	C)
18	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-10		48	Circuit diagrams (EN/IE	C)
19	Circuit diagrams (EN/IEC)	C30020 AHU-10		49	Circuit diagrams (EN/IE	(C)
20	Circuit diagrams (EN/IEC)	C30020 AHU-10 ANALOG INPUT		50	Circuit diagrams (EN/IE	C)
21	Circuit diagrams (EN/IEC)	C30020 AHU-10		51	Circuit diagrams (EN/IE	C)
22	Circuit diagrams (EN/IEC)	C30020 A LIST OF MATERIIALS		52	Circuit diagrams (EN/IE	(C)
23	Circuit diagrams (EN/IEC)	C30020 TERMINAL LISTS		53	Circuit diagrams (EN/IE	(C)
24	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-27		54	Circuit diagrams (EN/IE	(C)
25	Circuit diagrams (EN/IEC)	C30030 AHU-27		55	Circuit diagrams (EN/IE	(C)
26	Circuit diagrams (EN/IEC)	C30030 AHU-27 ANALOGINPUT		56	Circuit diagrams (EN/IE	(C)
27	Circuit diagrams (EN/IEC)	C30030 AHU-27-		57	Circuit diagrams (EN/IE	(C)
		1	LIST OF DOCUMENTS 1	1		Project:

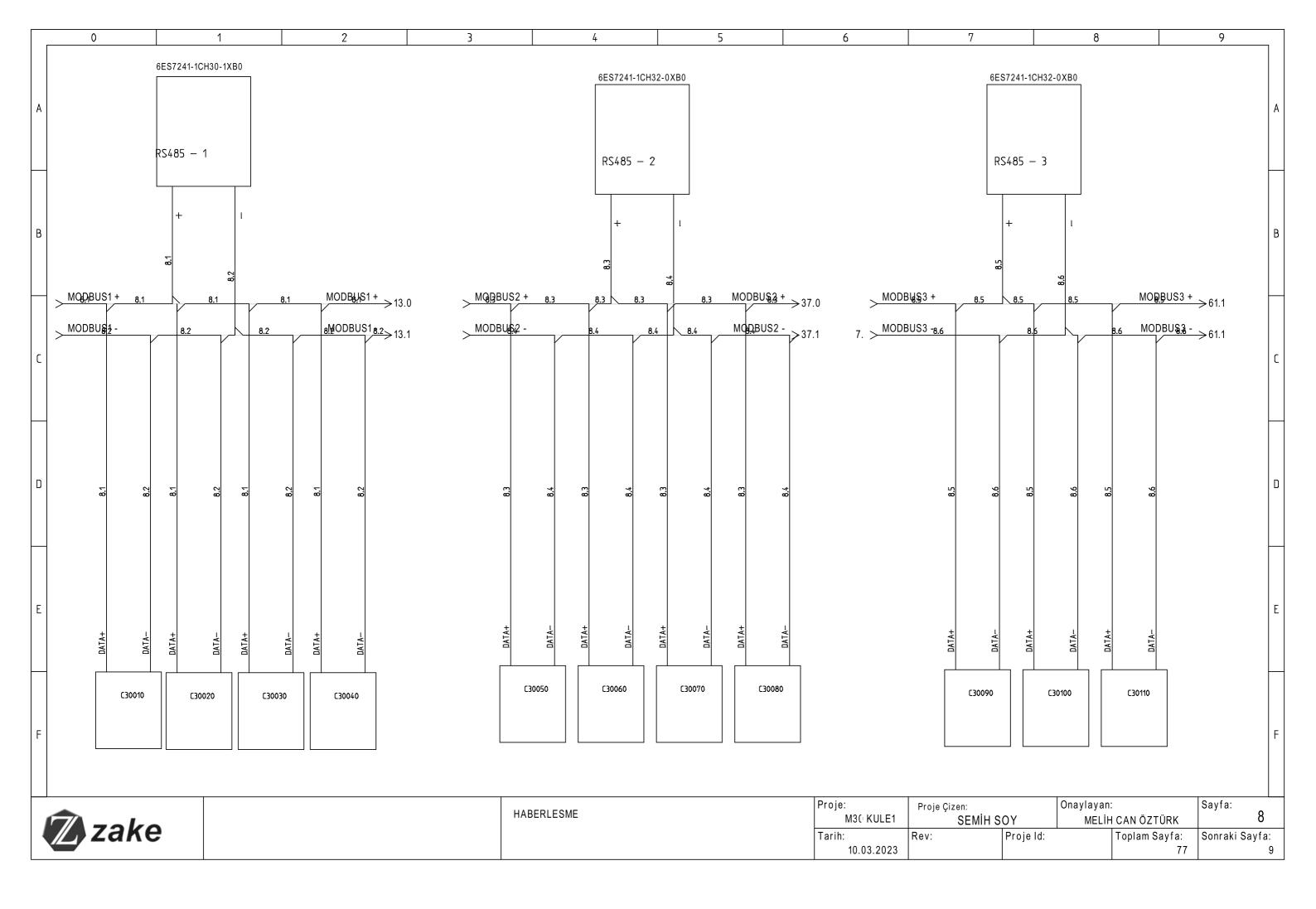
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29	Circuit diagrams (EN/IEC)	C30030 TERMINAL LISTS	
30	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-29	
31	Circuit diagrams (EN/IEC)	C30040 AHU-29	
32	Circuit diagrams (EN/IEC)	C30040 ANALOGINPUT	
33	Circuit diagrams (EN/IEC)	C30040 AHU-29	
34	Circuit diagrams (EN/IEC)	C30040 A LIST OF MATERIIALS	
35	Circuit diagrams (EN/IEC)	C30040 TERMINAL LISTS	
36	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 1	
37	Circuit diagrams (EN/IEC)	C30050 KAPORTA KATAFOREZ 1	
38	Circuit diagrams (EN/IEC)	C30050 KAPORTA KATAFOREZ 1 ANALOG INPUT	
39	Circuit diagrams (EN/IEC)	C30050 KAPORTA KATAFOREZ 1	
40	Circuit diagrams (EN/IEC)	C30050 A LIST OF MATERIIALS	
41	Circuit diagrams (EN/IEC)	C30050 TERMINAL LISTS	
42	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 2	
43	Circuit diagrams (EN/IEC)	C30060 KAPORTA KATAFOREZ 2	
44	Circuit diagrams (EN/IEC)	C30060 KAPORTA KATAFOREZ 2 ANALOG INPUT	
45	Circuit diagrams (EN/IEC)	C30060 KAPORTA KATAFOREZ 2	
46	Circuit diagrams (EN/IEC)	C30060 A LIST OF MATERIIALS	
47	Circuit diagrams (EN/IEC)	C30060 TERMINAL LISTS	
48	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 3	
49	Circuit diagrams (EN/IEC)	C30070 KAPORTA KATAFOREZ 3	
50	Circuit diagrams (EN/IEC)	C30070 KAPORTA KATAFOREZ 3 ANALOG INPUT	
51	Circuit diagrams (EN/IEC)	C30070 KAPORTA KATAFOREZ 3	
52	Circuit diagrams (EN/IEC)	C30070 A LIST OF MATERIIALS	
53	Circuit diagrams (EN/IEC)	C30070 TERMINAL LISTS	
54	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 4	
55	Circuit diagrams (EN/IEC)	C30080 KAPORTA KATAFOREZ 4	
56	Circuit diagrams (EN/IEC)	C30080 KAPORTA KATAFOREZ 4 ANALOGINPUT	
57	Circuit diagrams (EN/IEC)	C30080 KAPORTA KATAFOREZ 4	

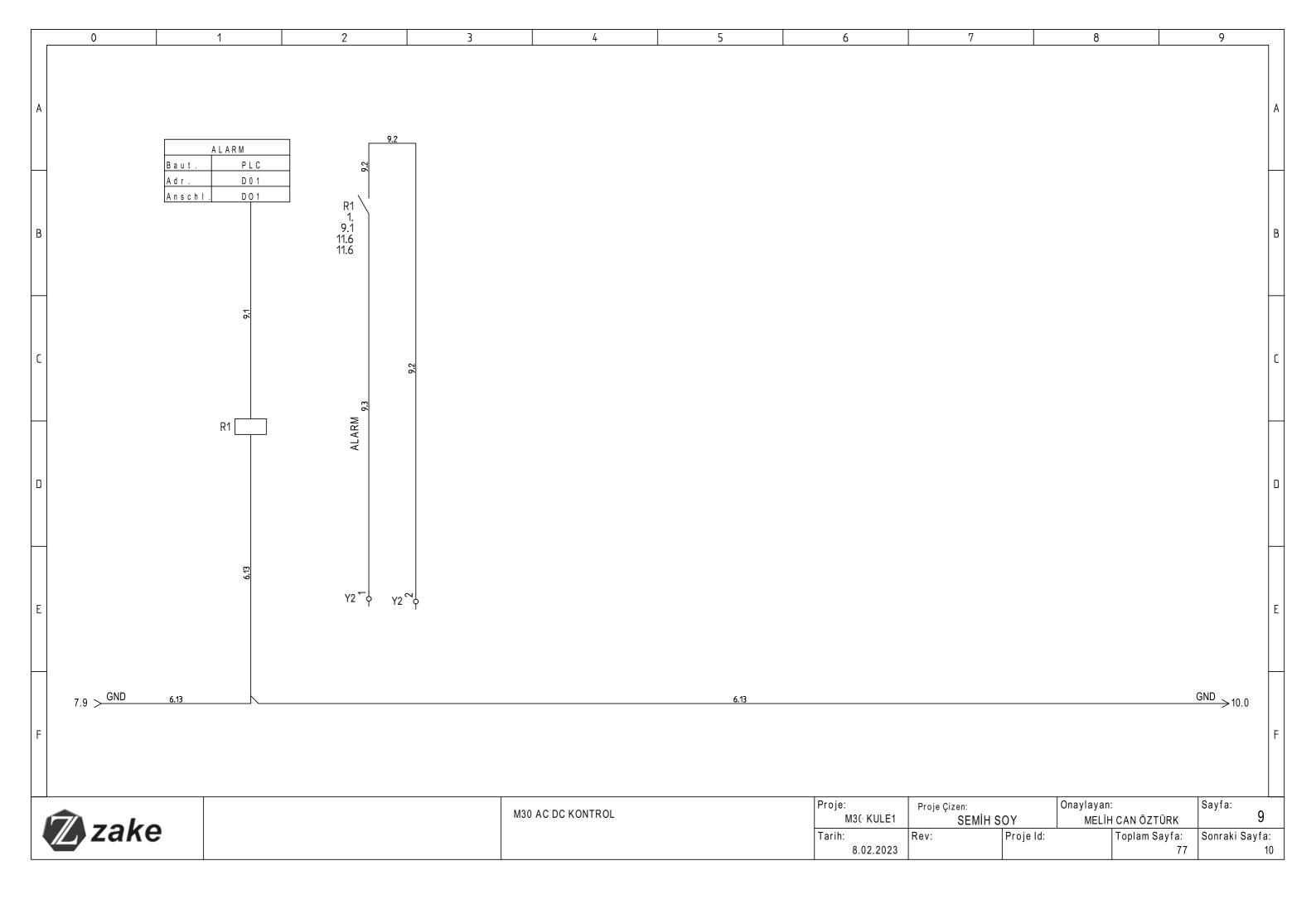
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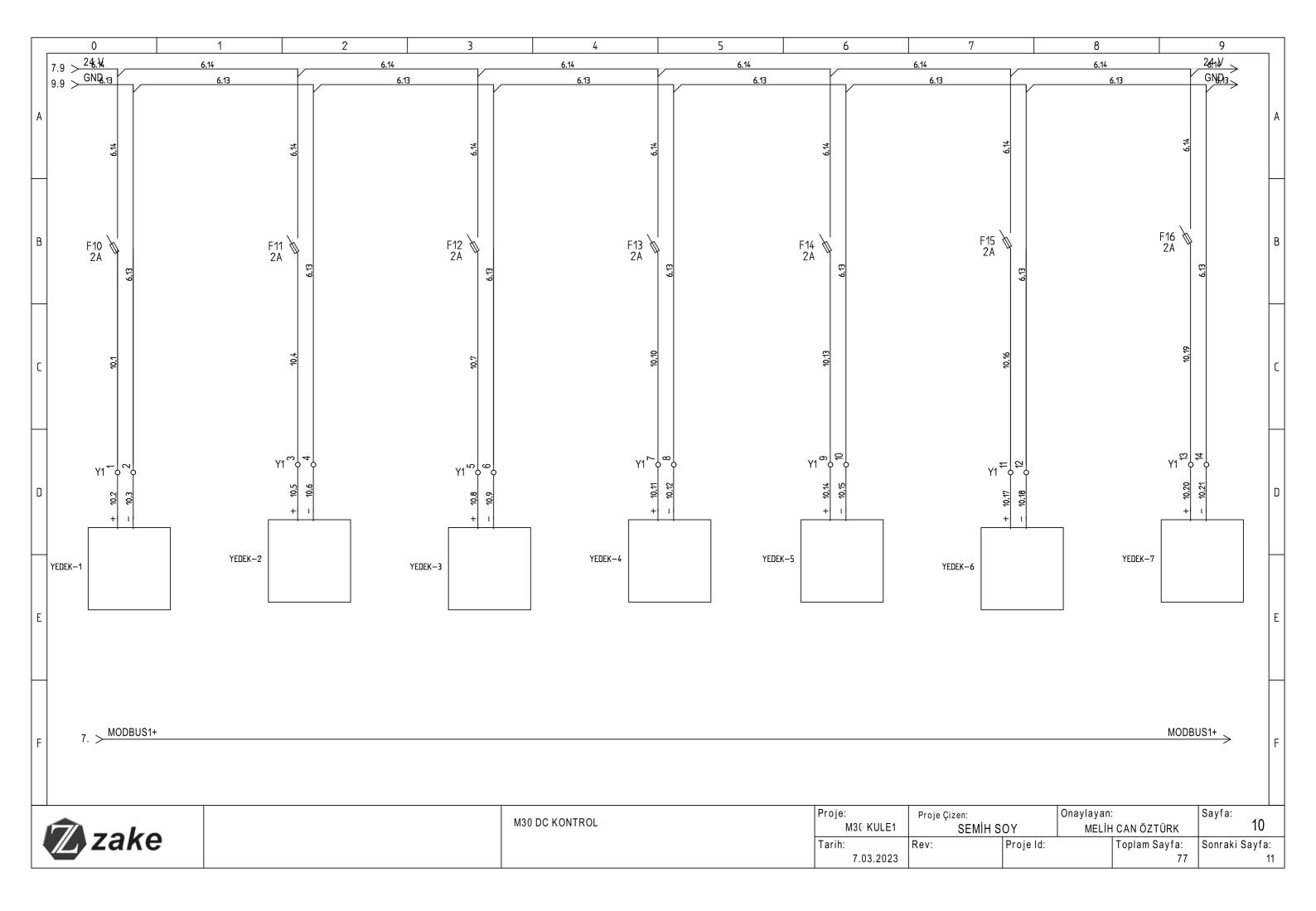
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59	Circuit diagrams (EN/IEC)	C30080 TERMINAL LISTS									
60	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 5									
61	Circuit diagrams (EN/IEC)	C30090 KAPORTA KATAFOREZ 5									
62	Circuit diagrams (EN/IEC)	C30090 KAPORTA KATAFOREZ 5 ANALOGINPUT									
63	Circuit diagrams (EN/IEC)	C30090 KAPORTA KATAFOREZ 5									
64	Circuit diagrams (EN/IEC)	C30090 A LIST OF MATERIIALS									
65	Circuit diagrams (EN/IEC)	C30090 TERMINAL LISTS									
66	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-KAPORTA KATAFOREZ 6									
67	Circuit diagrams (EN/IEC)	C30100 KAPORTA KATAFOREZ 6									
68	Circuit diagrams (EN/IEC)	C30100 KAPORTA KATAFOREZ 6 ANALOGINPUT									
69	Circuit diagrams (EN/IEC)	C30100 KAPORTA KATAFOREZ 6									
70	Circuit diagrams (EN/IEC)	C30100 A LIST OF MATERIIALS									
71	Circuit diagrams (EN/IEC)	C30100 TERMINAL LISTS									
72	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-28									
73	Circuit diagrams (EN/IEC)	C30110 AHU-28									
74	Circuit diagrams (EN/IEC)	C30110 AHU-28 ANALOGINPUT									
75	Circuit diagrams (EN/IEC)	C30110 AHU-28									
76	Circuit diagrams (EN/IEC)	C30010 A LIST OF MATERIIALS									
77	Circuit diagrams (EN/IEC)	C30010 TERMINAL LISTS									
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			LIST OF DOCUMENTS2	ı	I	Project:	M30 KULE1	Drawing no.:	Rev	: Init.:	
						Date:	11.03.2023			Page	e: 5
							11.03.2023				











Y1

			No.	Term.	Sheet	Line			
YEDEK - 1 : + —	7.3	7.3	1	0	7	0	7.1	7.1	— F10:2
Y E D E K - 1 : +	7 . 4	7.4	2	0	7	0	7.2	7.2	— F10:2
Y E D E K - 2 : + —	7.7	7.7	3	0	7	2	7.5	7.5	— F11:2
Y E D E K - 2 : + —	7.8	7.8	4	0	7	2	7.6	7.6	— F11:2
Y E D E K - 3 : + —	7.11	7.11	5	0	7	3	7.9	7.9	— F12:2
Y E D E K - 3 : + —	7.12	7.12	6	0	7	3	7.10	7.10	— F12:2
Y E D E K - 4 : + —	7.15	7.15	7	0	7	5	7.13	7.13	— F13:2
Y E D E K - 4 : + —	7.16	7.16	8	0	7	5	7.14	7.14	— F13:2
Y E D E K - 5 : +	7.19	7.19	9	0	7	6	7.17	7.17	— F14:2
Y E D E K - 5 : +	7.20	7.20	10	0	7	6	7.18	7.18	— F14:2
Y E D E K - 6 : +	7.23	7.23	11	0	7	7	7.21	7.21	— F15:2
Y E D E K - 6 : +	7 . 2 4	7.24	12	0	7	7	7.22	7.22	— F15:2
Y E D E K - 7 : + —	7.27	7.27	13	0	7	9	7.25	7.25	— F16:2
Y E D E K - 7 : + —	7.28	7.28	14	0	7	9	7.26	7.26	— F16:2

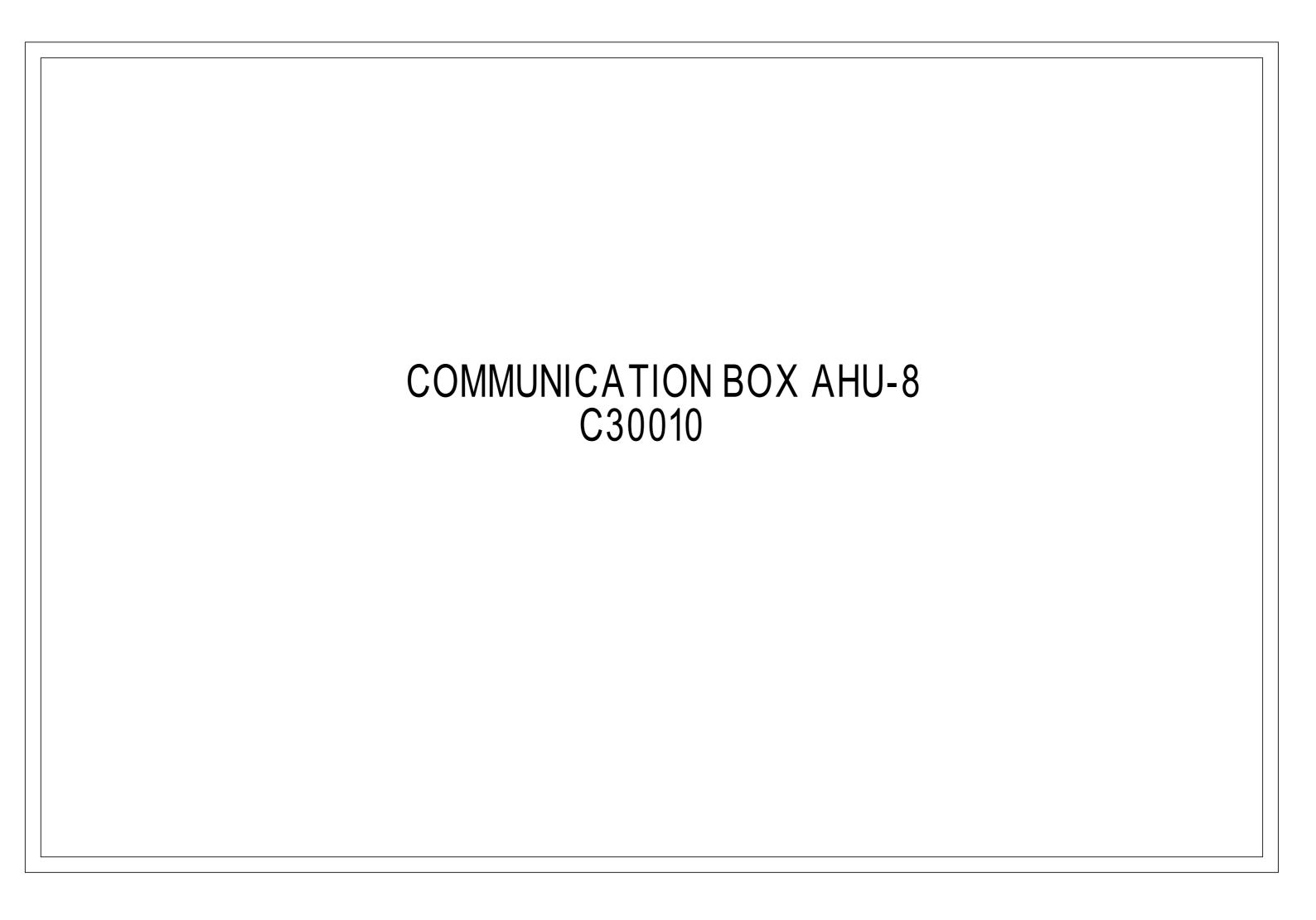
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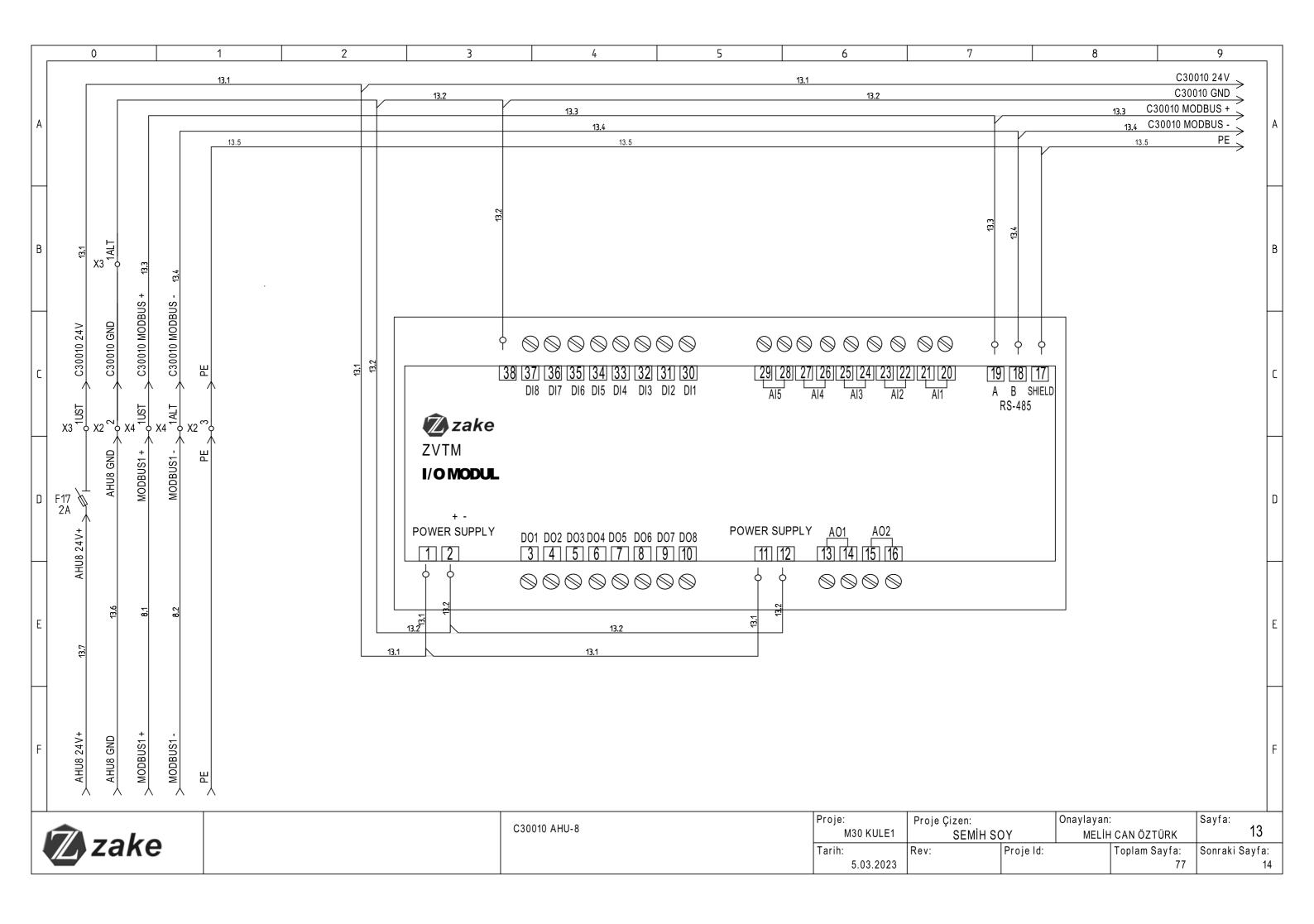
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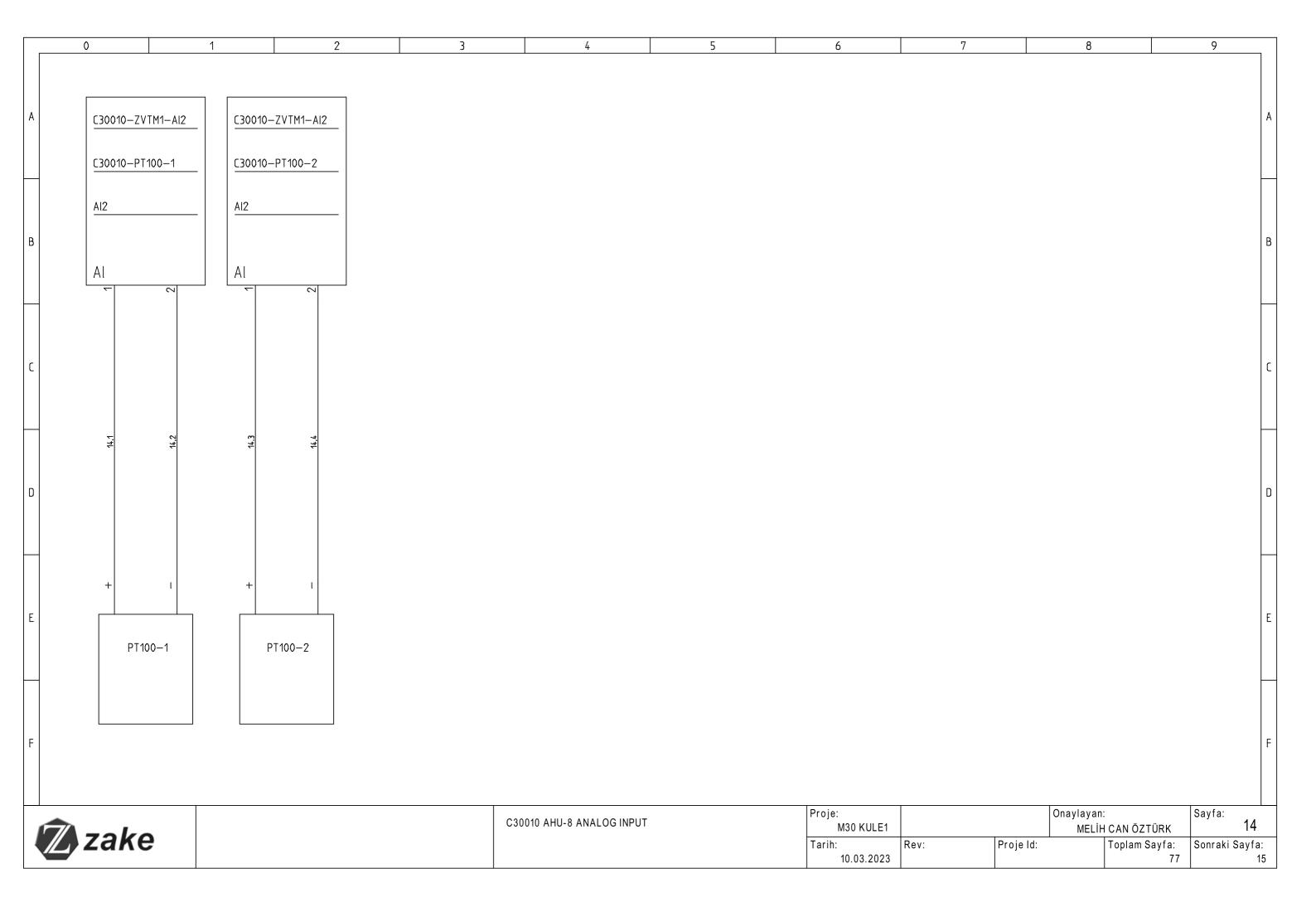
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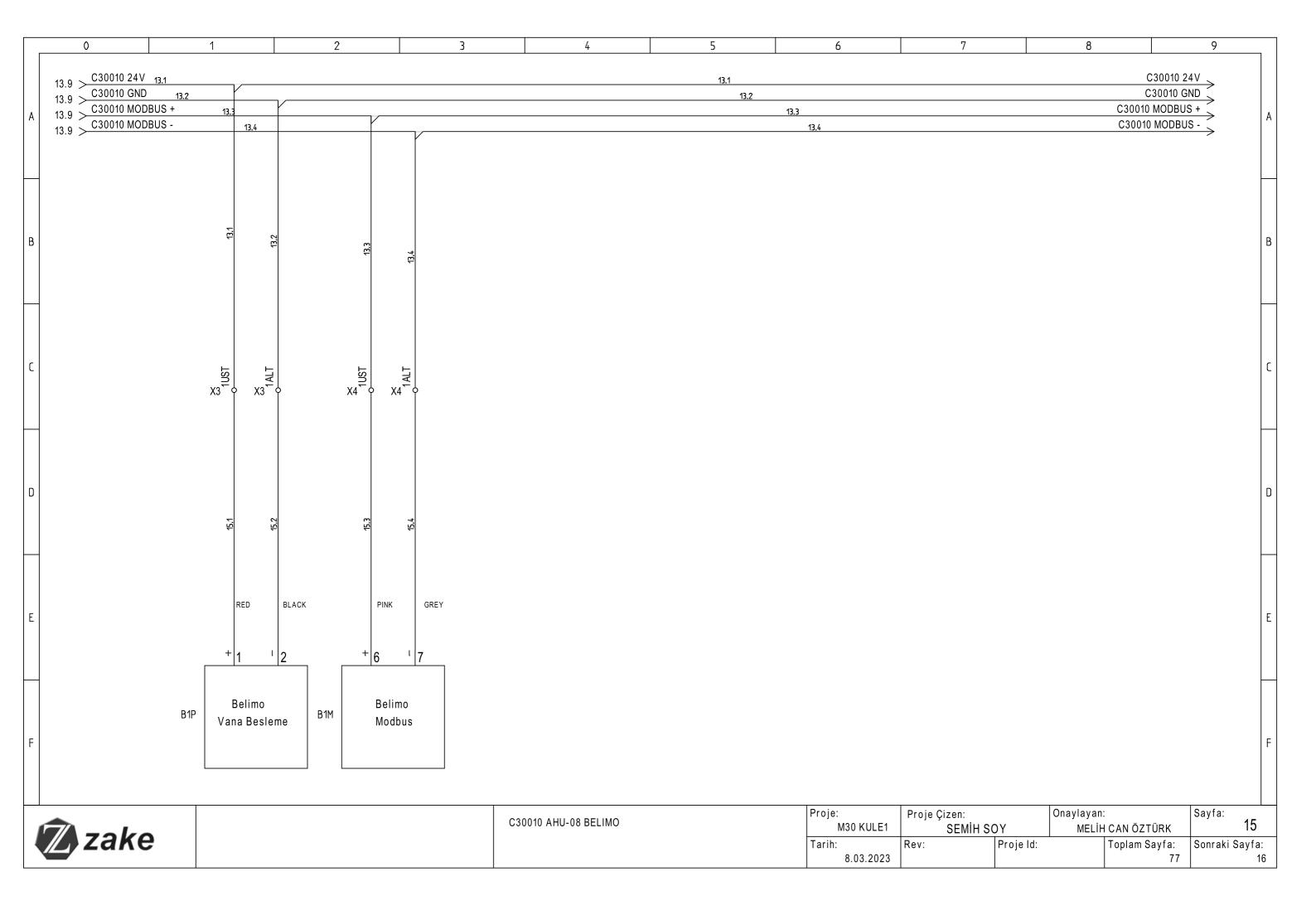
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	0			3.5	3.5	- :4
2	0	3	0	3.4	3.4	- F5
	0			3.4	3.4	- S2

Modification #1	Modifications Since Previous Revision	M30 MASTER	Document Number:	Sheet: 11 of 116	Rev. Date: Cre. Date:	10.03.2023	Rev.:
Modification #2  Modification #3		TERMINAL LISTS			Sheet Created by:		



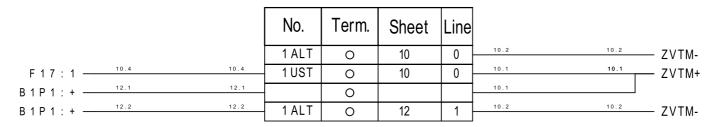






#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Price Current Supplier Tag Series Description Product ZVTM I/O MODUL ZVTM-51 ZAKE F17 WEIMULLER SIGORTALI KLEMENS 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Sheet: Rev.: Rev. Date: Document Number: Modifications Since Previous Revision C30010 16 of 116 Cre. Date: 8.03.2023 Modification #1 C30010 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3 For Technical Support Please Call 1-866-SEE-INFO

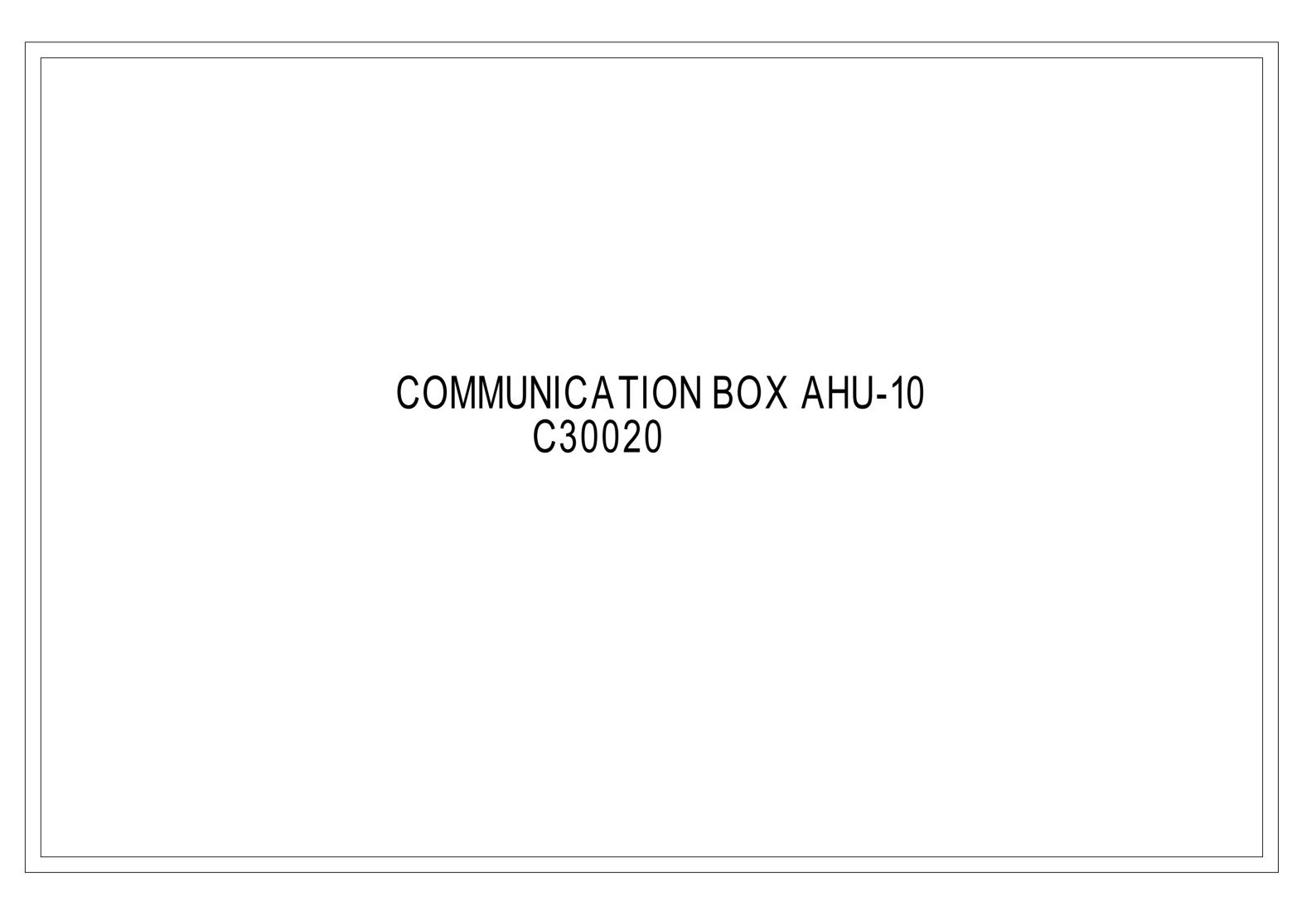
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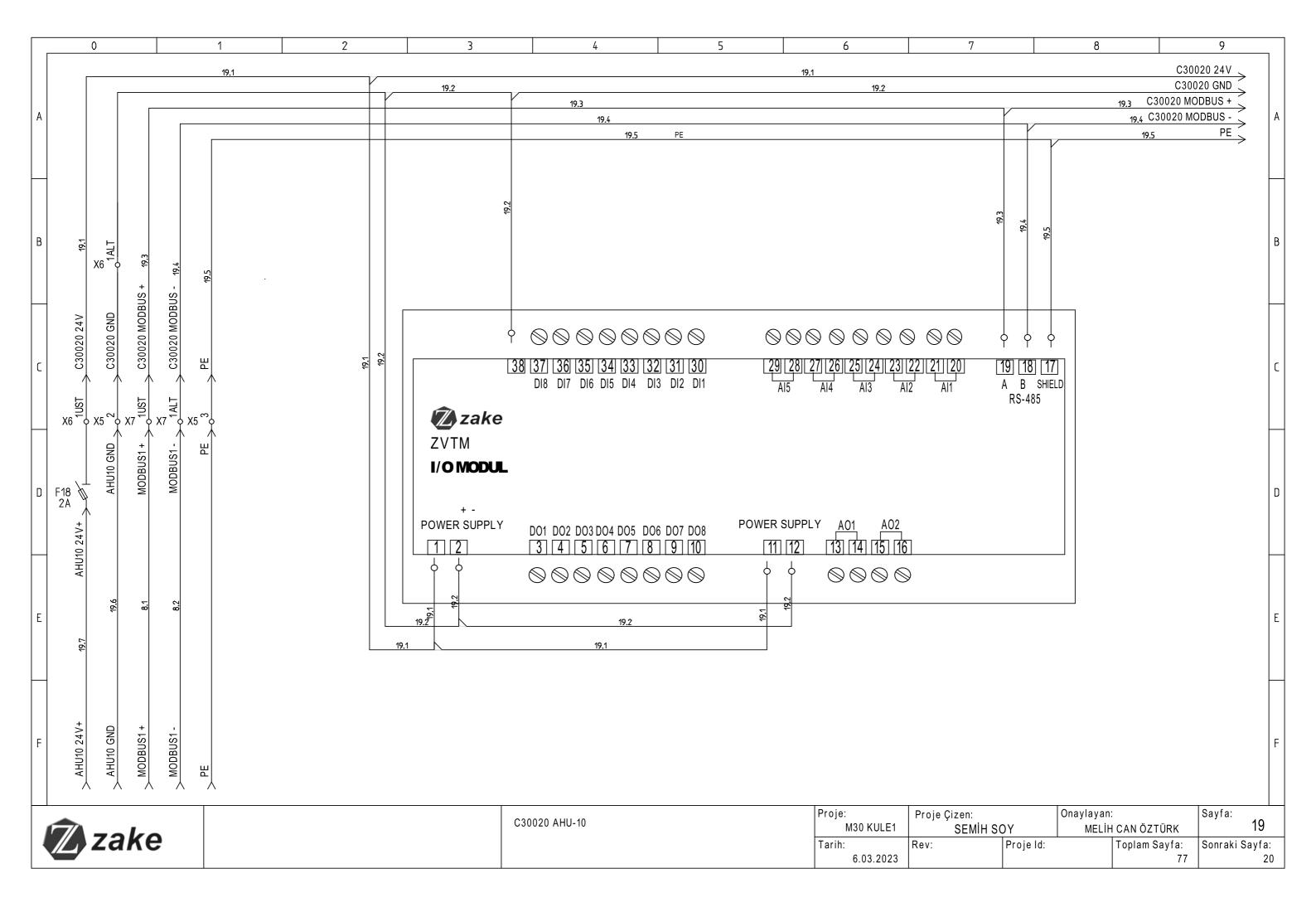


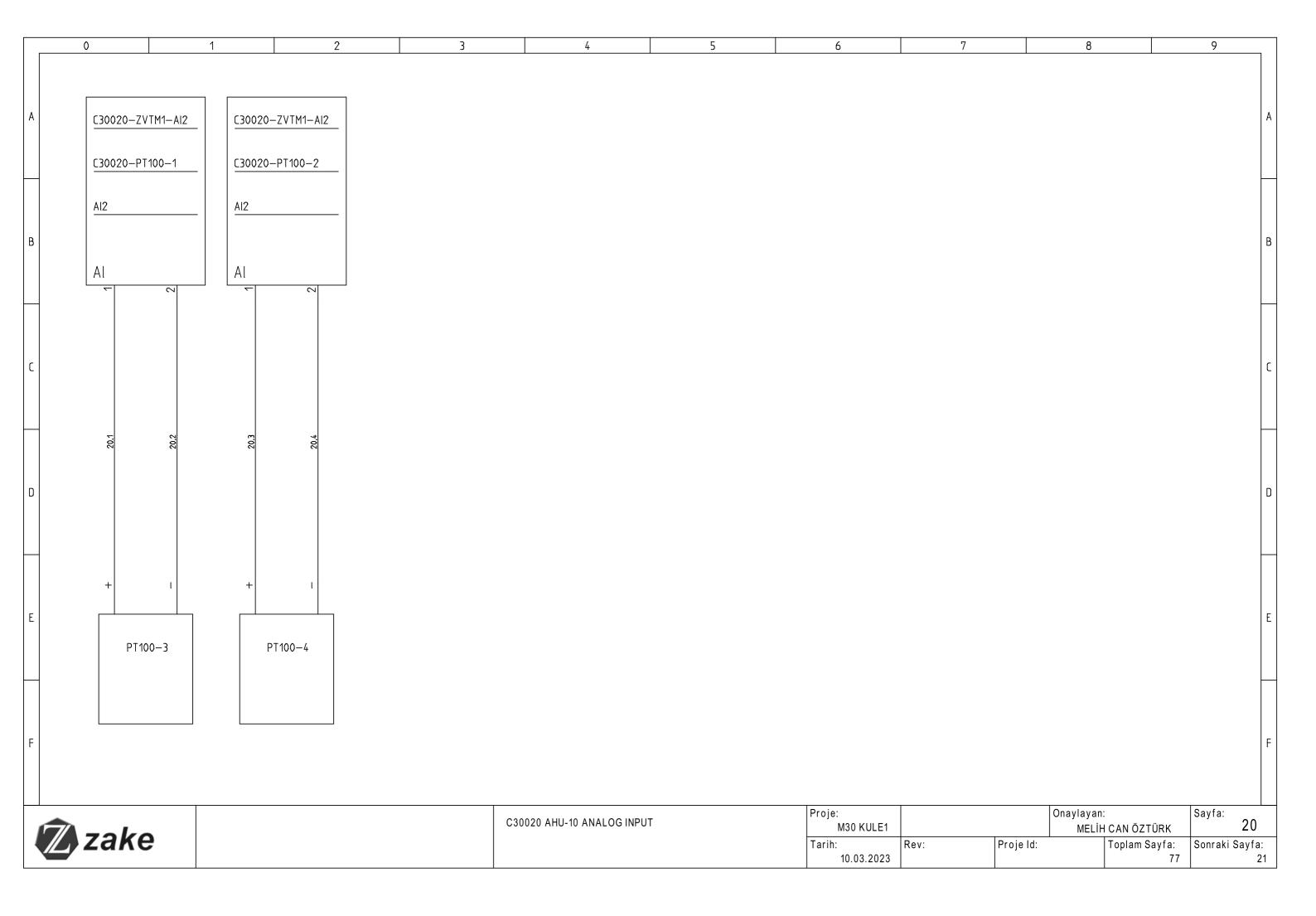
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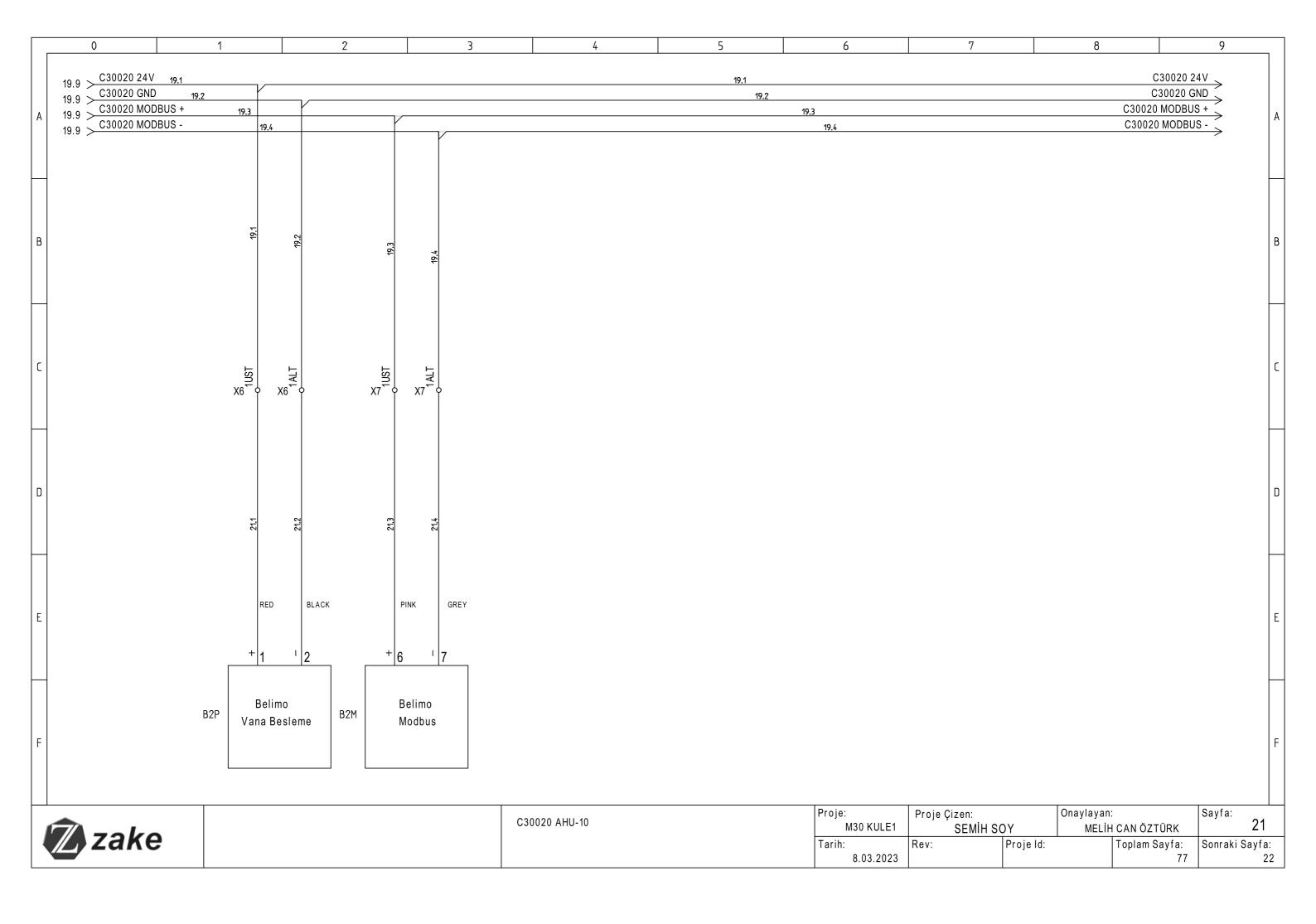
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			1 ALT	0	10	0			
			1 UST	0	10	0	10.3	10.3	— ZVTM DATA+
B 1 M 1 : + -	12.3	12.3	1 UST	0	12	2	10.3		
B 1 M 1 :	12.4	12.4	1 ALT	0	12	2	10.5	10.5	ZVTM DATA-

	Modifications Since Previous Revision	C30010	Document Number:	Sheet:	Rev. Date:		Rev.:
Modification #1		030010		17 of 116	Cre. Date:	8.03.2023	
Modification #2		000040 TERMINAL LIGTO			Sheet Created by:		
Modification #3		C30010 TERMINAL LISTS					









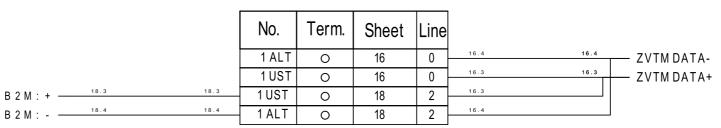
#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Current Supplier Tag Series Description Product Price ZVTM I/O MODUL ZAKE ZVTM-51 F18 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох TONGUN TNGPANOPLS 28G21G13 280X210X130 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU 9540000000 CIFT KATLI KLEMENS WEIDMULLER Sheet: Rev. Date: Rev.: Document Number: C30010 Modifications Since Previous Revision 22 of 116 Cre. Date: 8.03.2023 Modification #1 C30020 A LIST OF MATERIIALS Sheet Created by: Modification #2

Modification #3

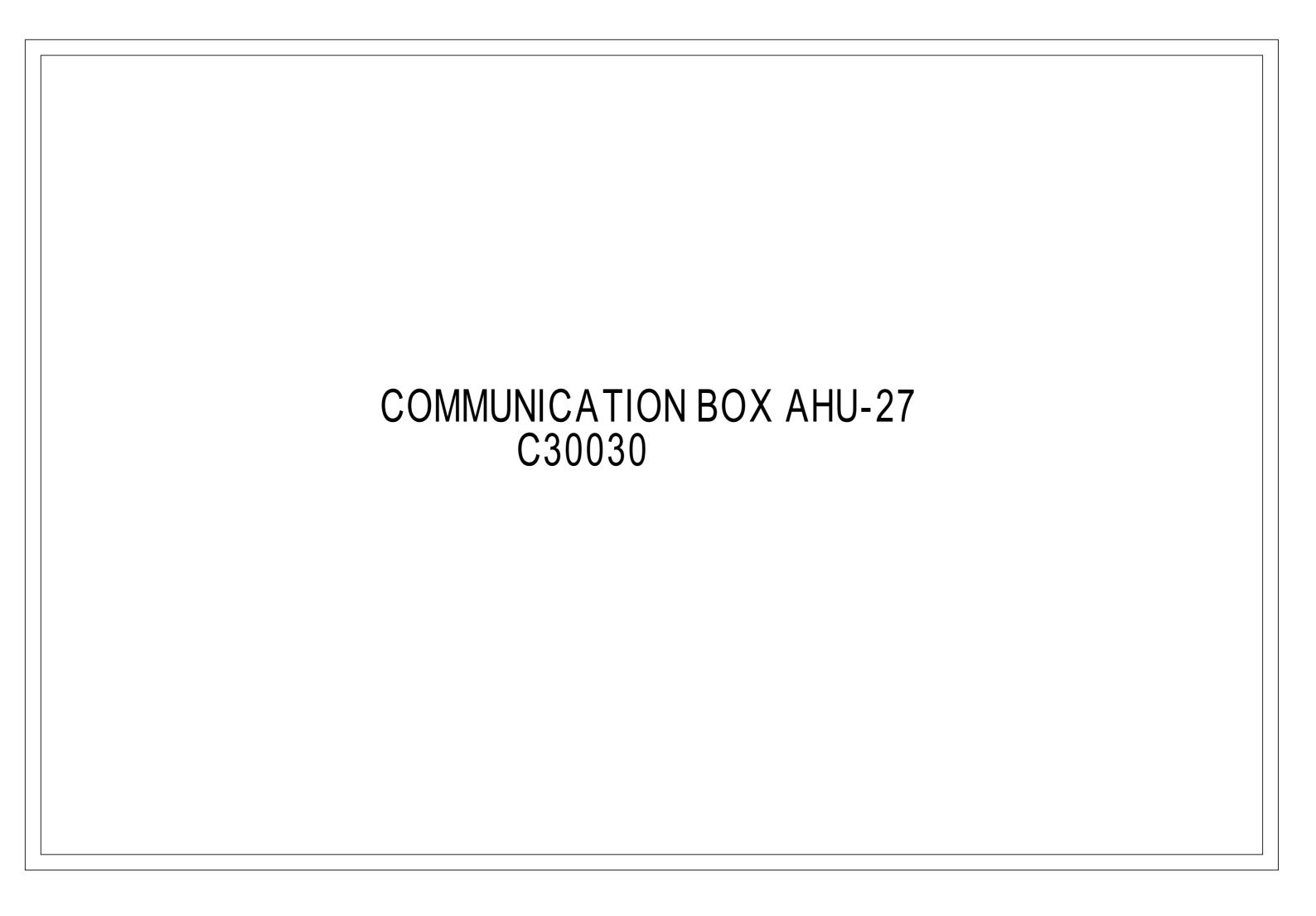
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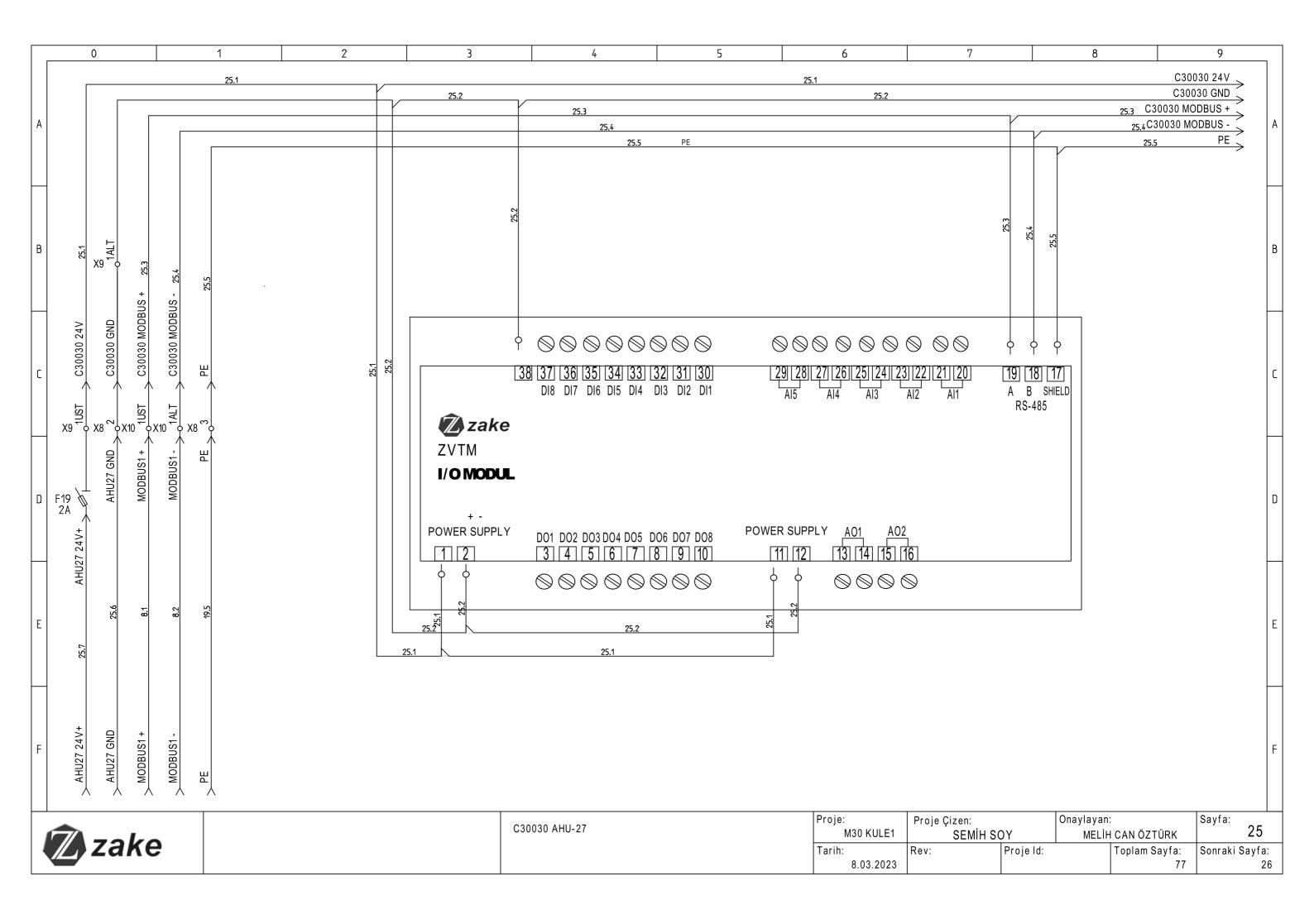
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B 2 P : +	18.1	18.1		0			16.1		
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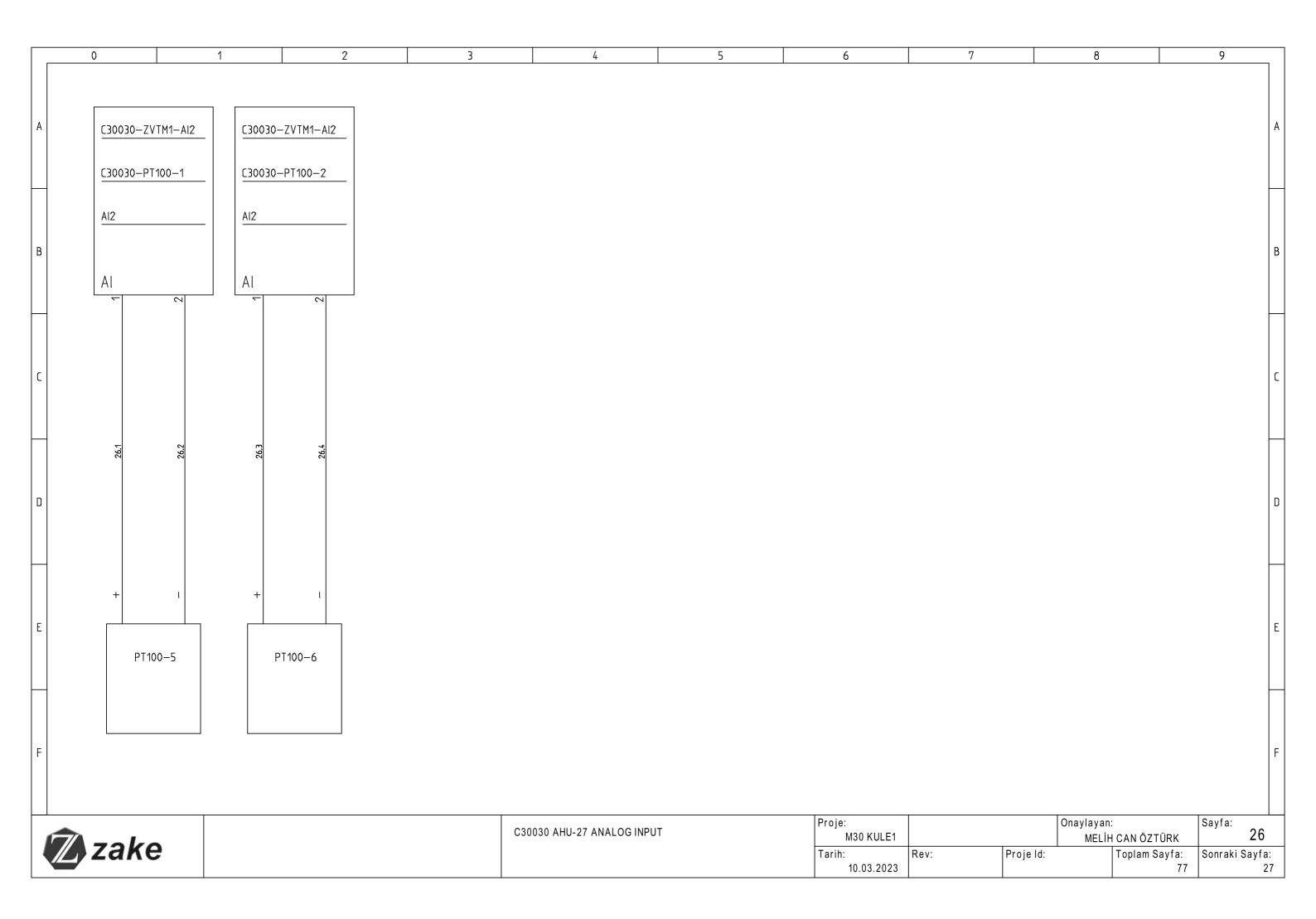
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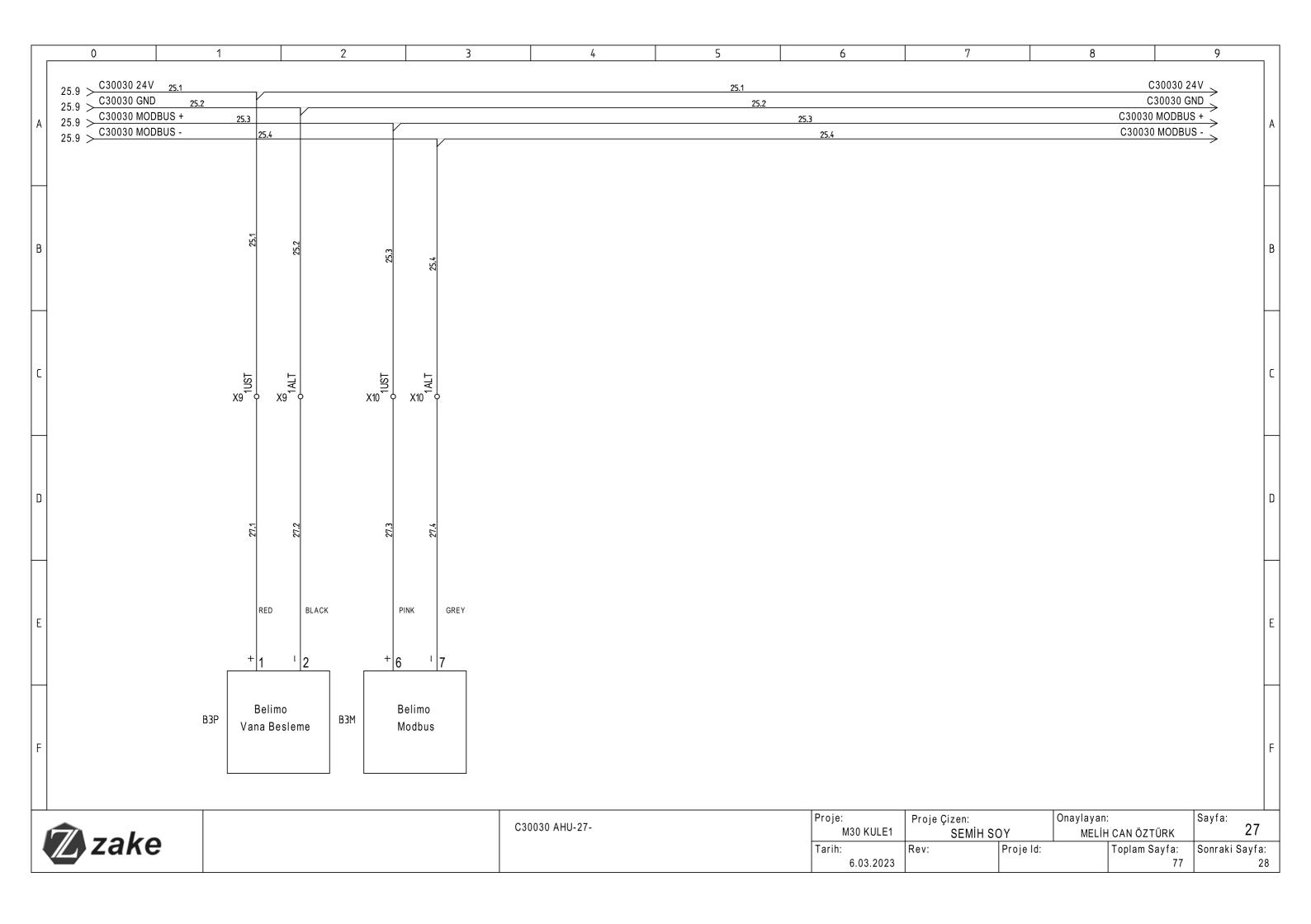


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Modification #2		OCCOSO TERMINAL LIGITO			Sheet Created by:		
Modification #3		C30020 TERMINAL LISTS					









#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Current Supplier Tag Series Description Product Price ZVTM I/O MODUL ZAKE ZVTM-51 F19 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох TONGUN TNGPANOPLS 28G21G13 280X210X130 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU 9540000000 CIFT KATLI KLEMENS WEIDMULLER Sheet: Rev. Date: Rev.: Document Number: C30010 Modifications Since Previous Revision 28 of 116 Cre. Date: 8.03.2023 Modification #1 C30030 A LIST OF MATERIIALS Sheet Created by: Modification #2

Modification #3

### X6

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B 3 P : +	2 4 . 1	24.1	1 UST	0	24	1	22.1		
B 3 P : +	24.2	24.2	1 ALT	0	24	1	22.2	22.2	— ZVTM-

### X7

			No.	Term.	Sheet	Line		
			1 ALT	0	22	0	22.4	ZVTM DATA-
			1 UST	0	22	0	22.3 22.3	ZVTM DATA+
B 3 M : + —	24.3	24.3	1 UST	0	24	2	22.3	
B 3 M : - —	24.4	24.4	1 ALT	0	24	2	22.4	J

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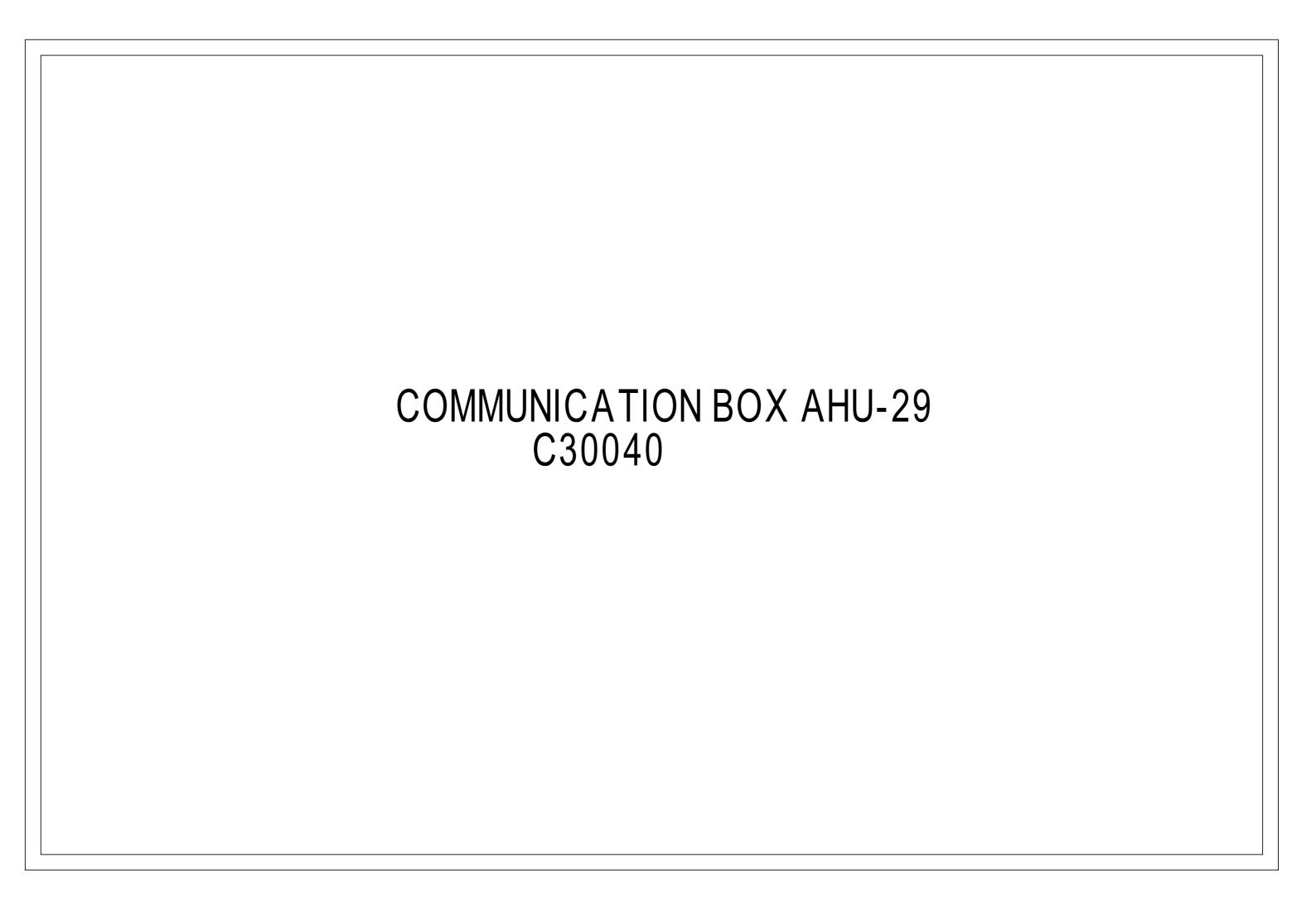
C30030
30 TERMINAL LISTS

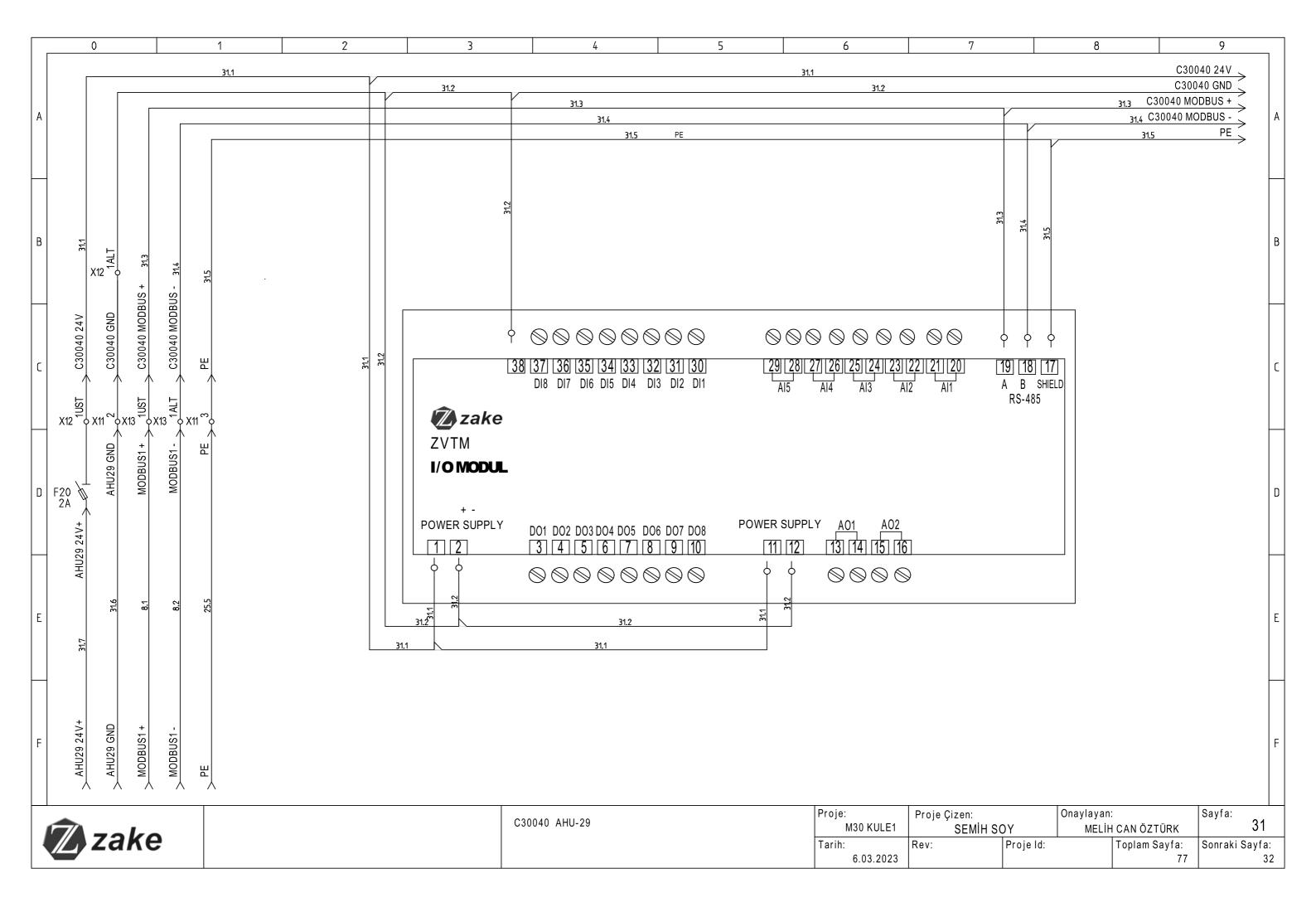
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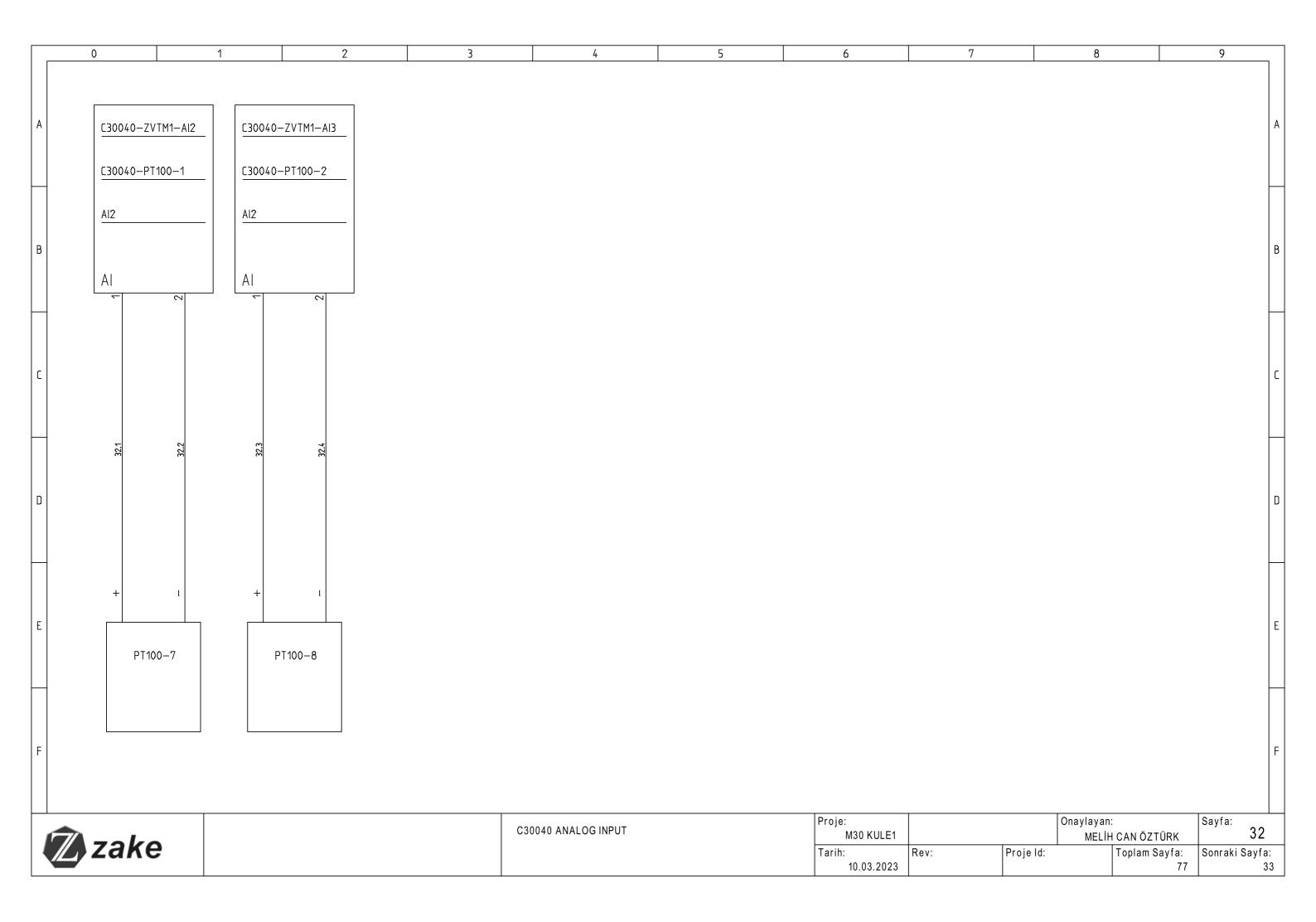
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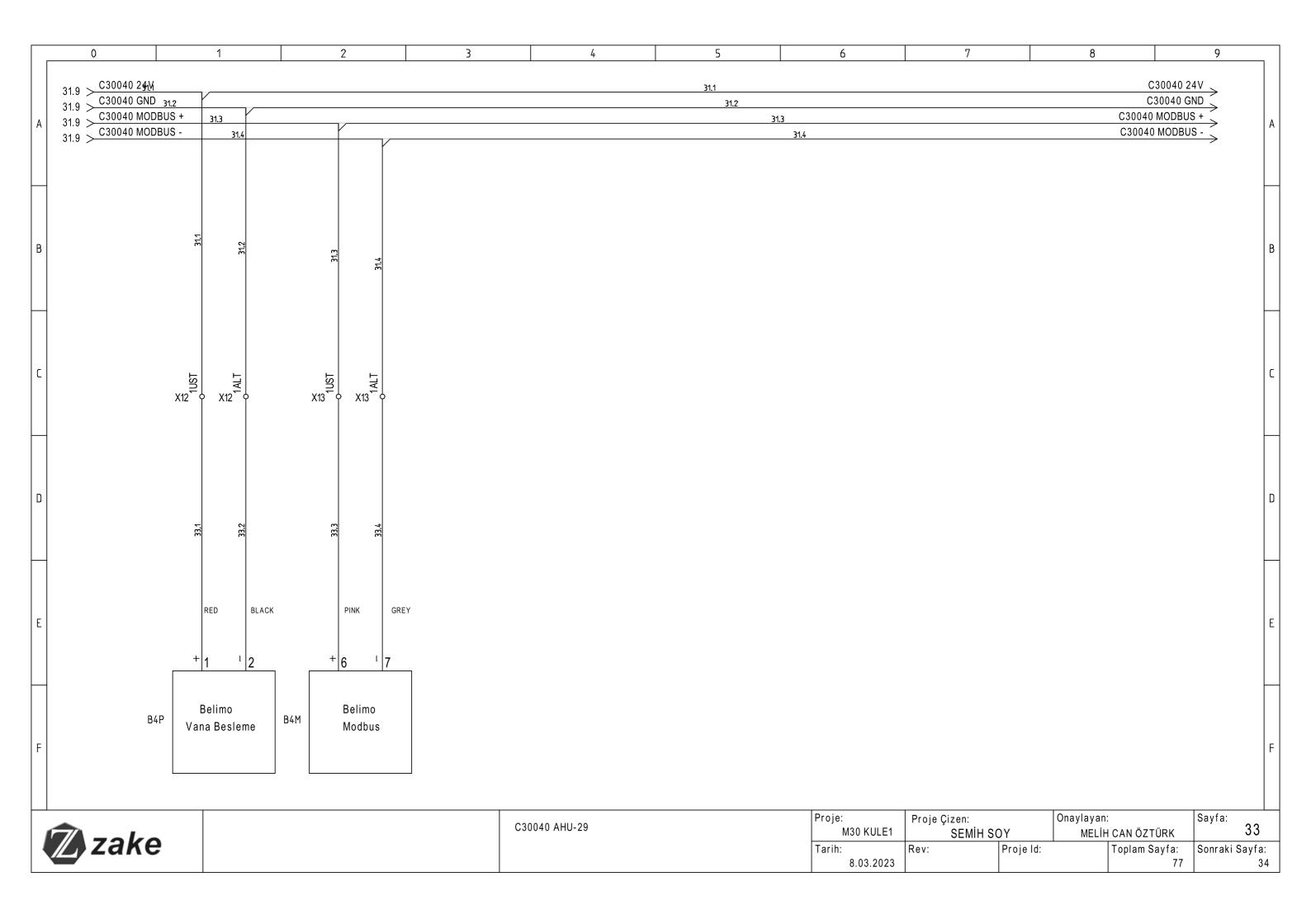
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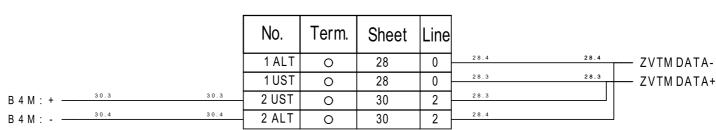


#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Tag zvtm Price Current Supplier Series Description Product I/O MODUL ZVTM-51 ZAKE F20 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Sheet: Document Number: Rev.: Rev. Date: Modifications Since Previous Revision C30010 34 of 116 Cre. Date: 8.03.2023 Modification #1 C30040 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3

X8

			No.	Term.	Sheet	Line			
			1 ALT	0	28	0	28.2	28.2	- ZVTM -
F 2 0 : 1	28.5	28.5	1 UST	0	28	0	28.1	28.1	- ZVTM+
B 4 P : +	30.1	30.1	2 UST	0	30	1	28.1		
B 4 P : +	30.2	30.2	2 ALT	0	30	1	28.2	28.2	- ZVTM-

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Modification #2	
Modification #3	

C30040

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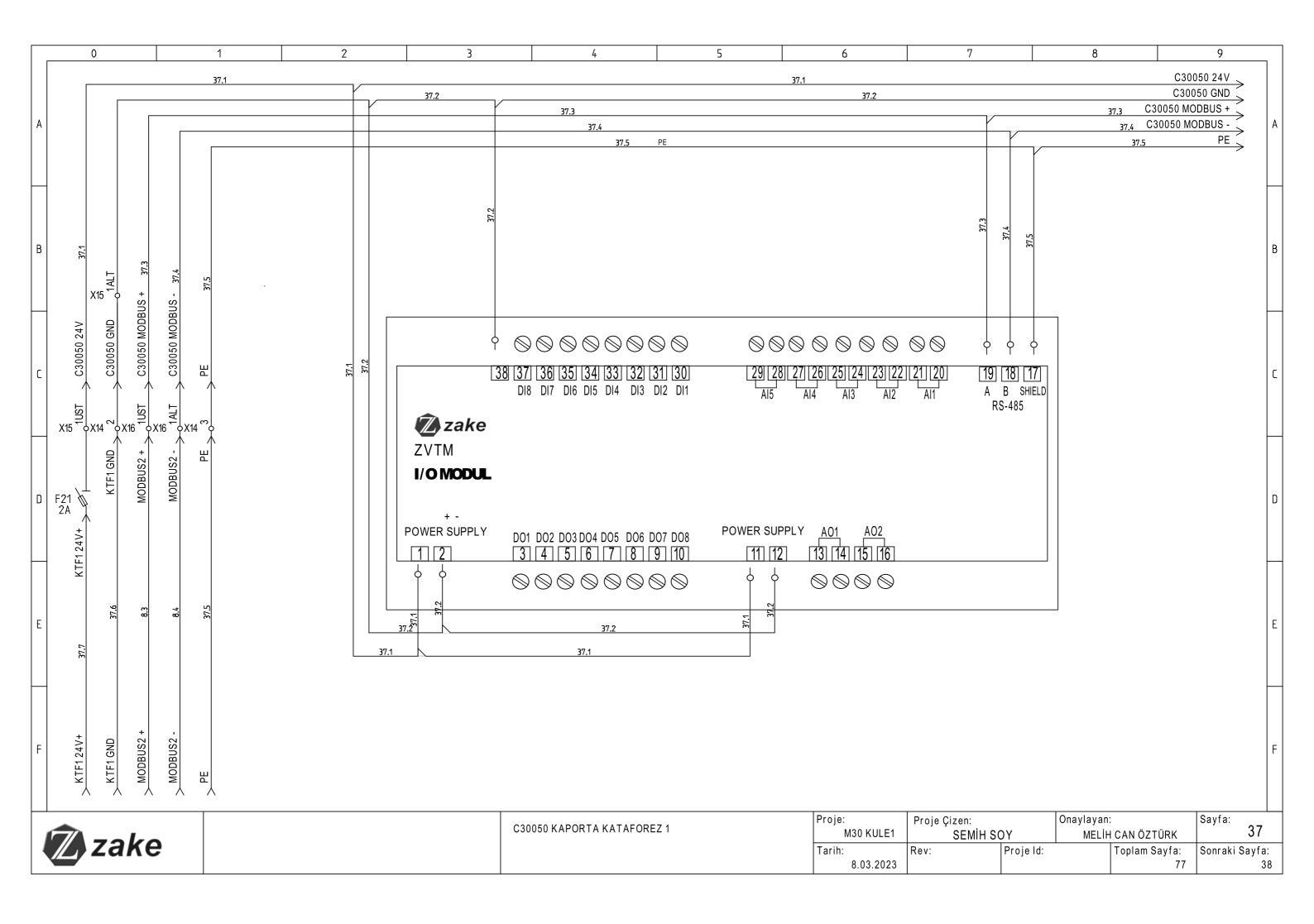


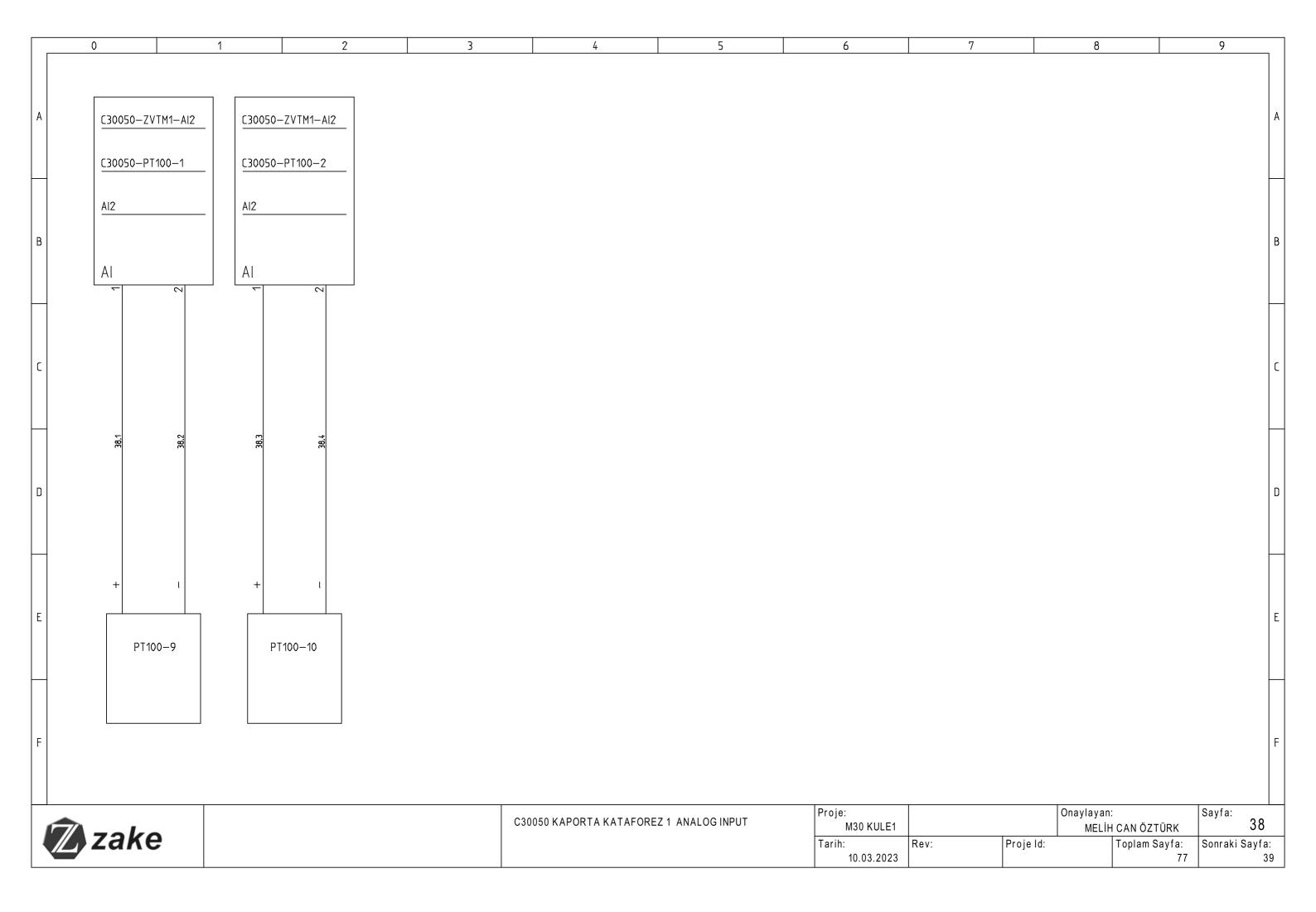
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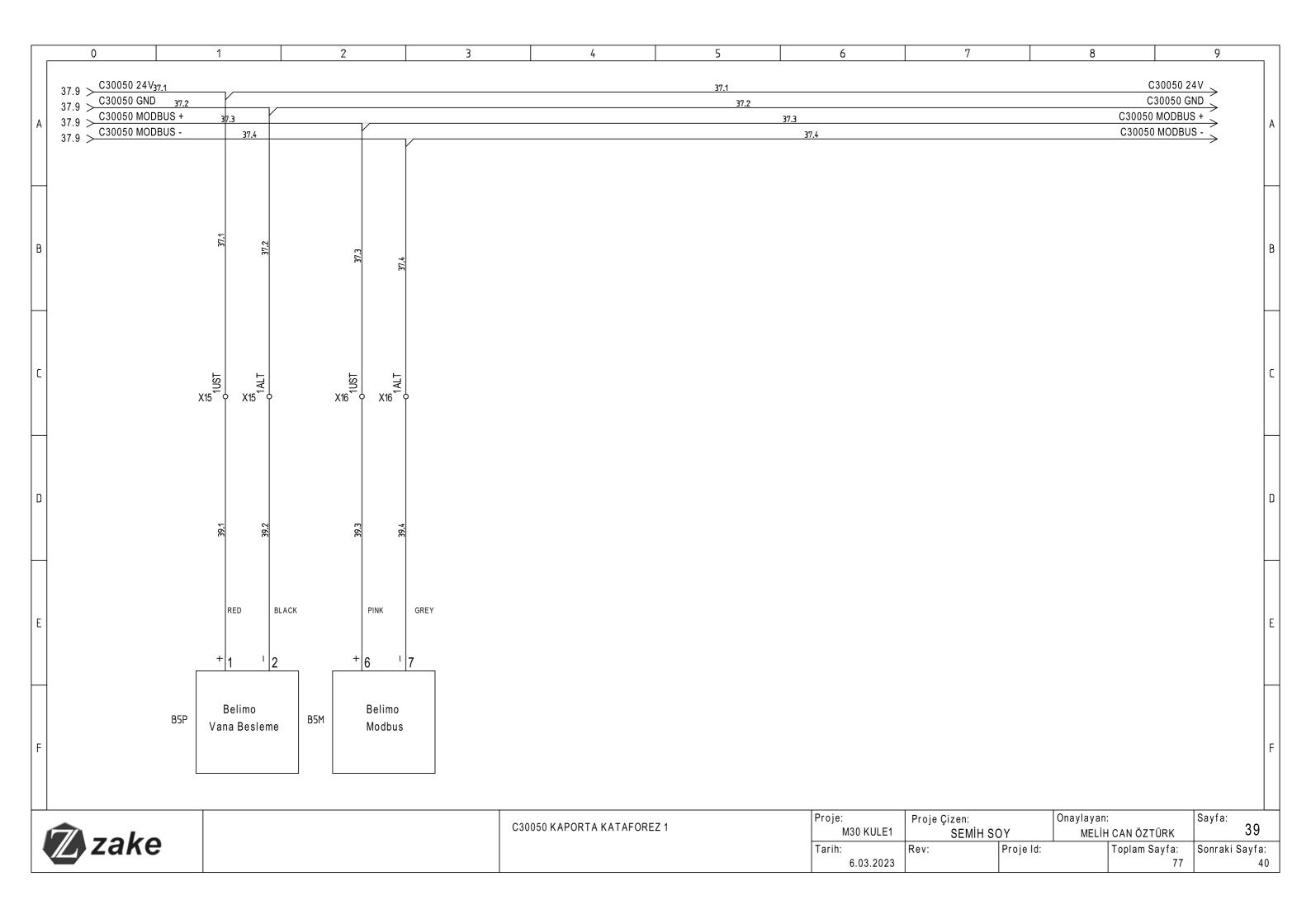
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Sheet Created by:





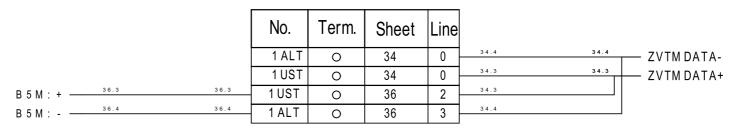




#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Price Current Supplier Tag Series Description Product ZVTM I/O MODUL ZVTM-51 ZAKE F21 WEIMULLER SIGORTALI KLEMENS 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Sheet: Document Number: Rev.: Rev. Date: Modifications Since Previous Revision C30010 40 of 116 Cre. Date: 8.03.2023 Modification #1 C30050 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3 For Technical Support Please Call 1-866-SEE-INFO

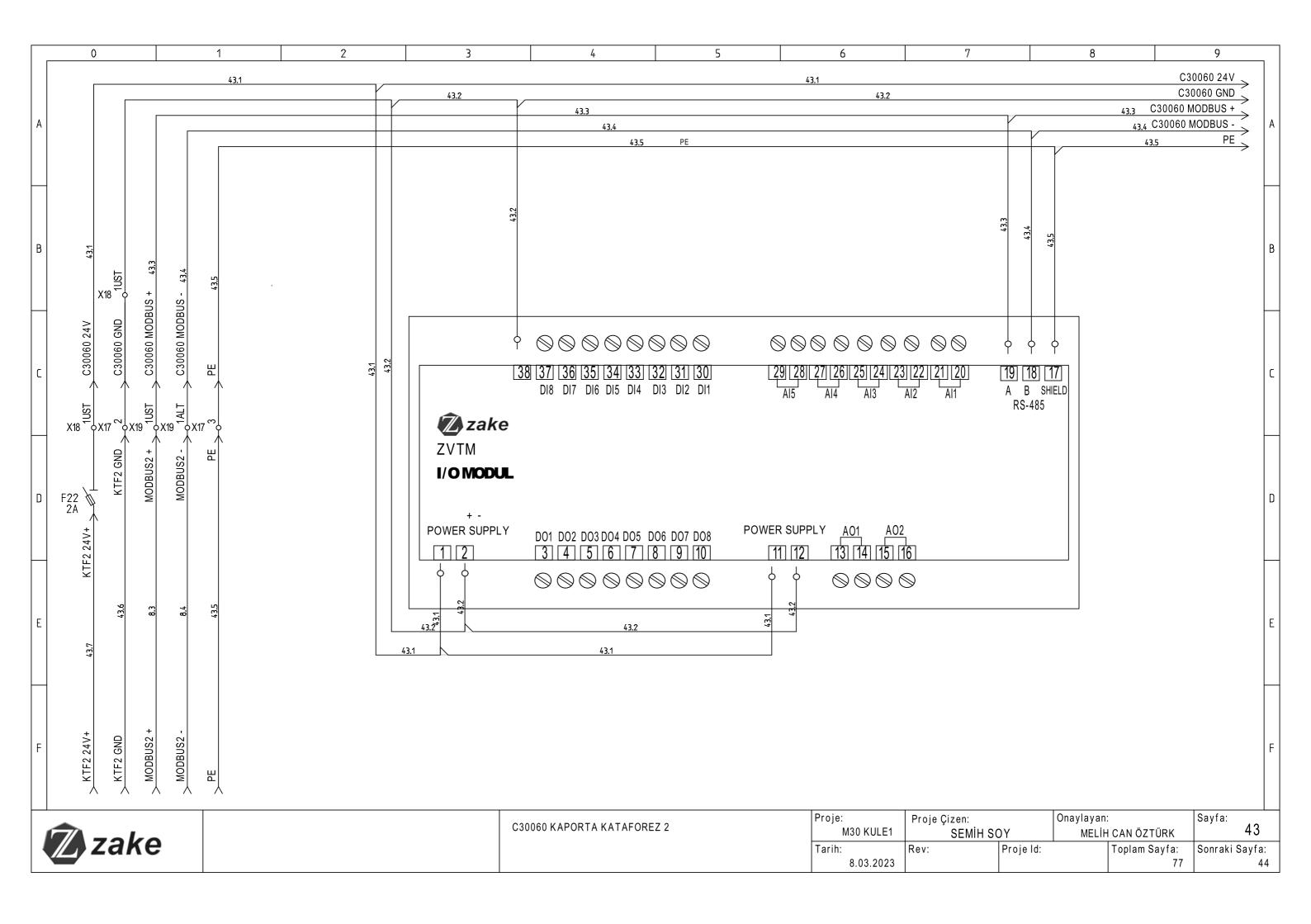
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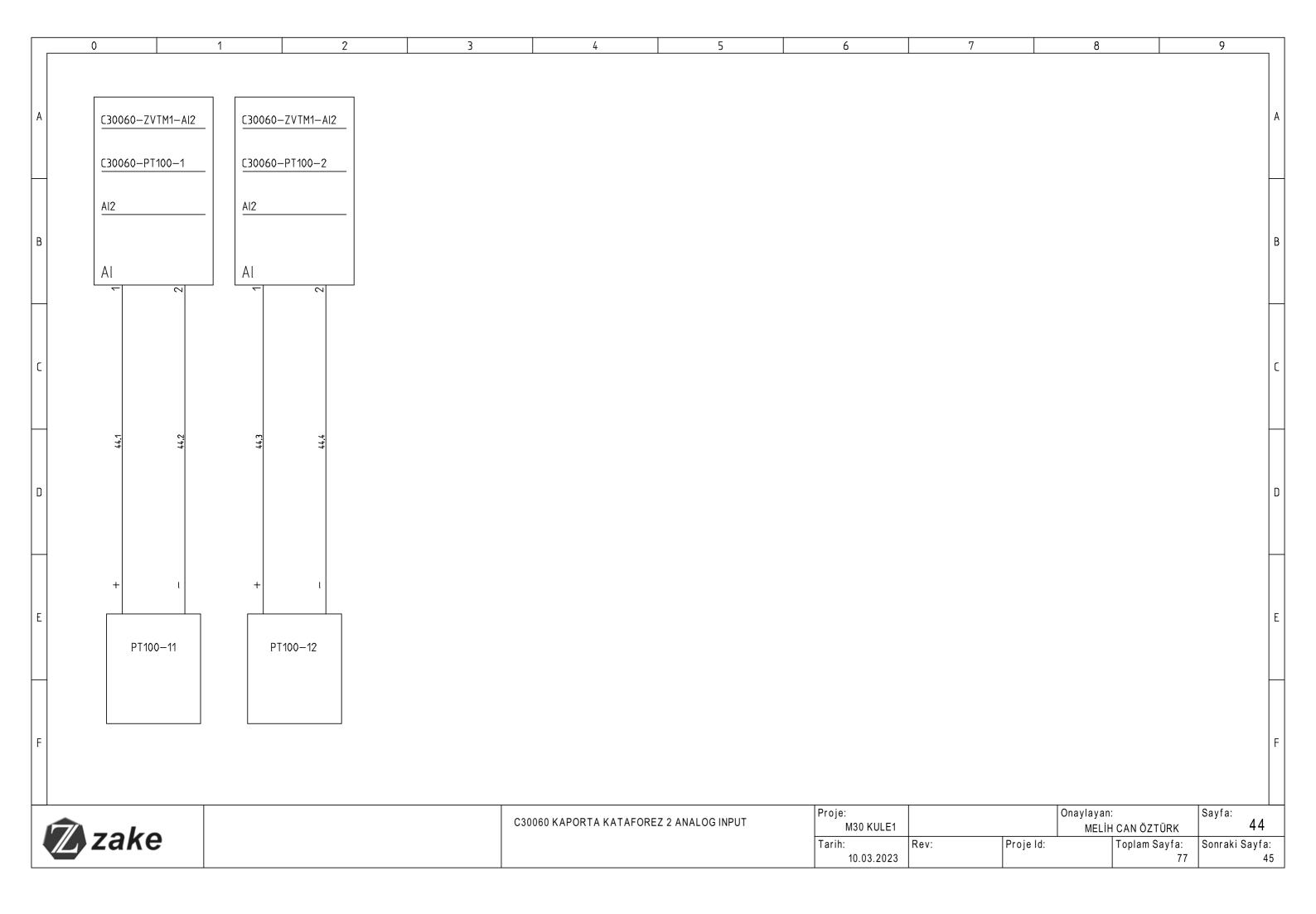
			No.	Term.	Sheet	Line			
			1 ALT	0	34	0	34.2	3 4 . 2	— ZVTM-
F 2 1 : 1	3 4 . 5	3 4 . 5	1 UST	0	34	0	34.1	34.1	— ZVTM+
B 5 P : +	36.1	36.1		0			34.1		
B 5 P : +	36.2	36.2	1 ALT	0	36	1	3 4 . 2	3 4 . 2	— ZVTM-

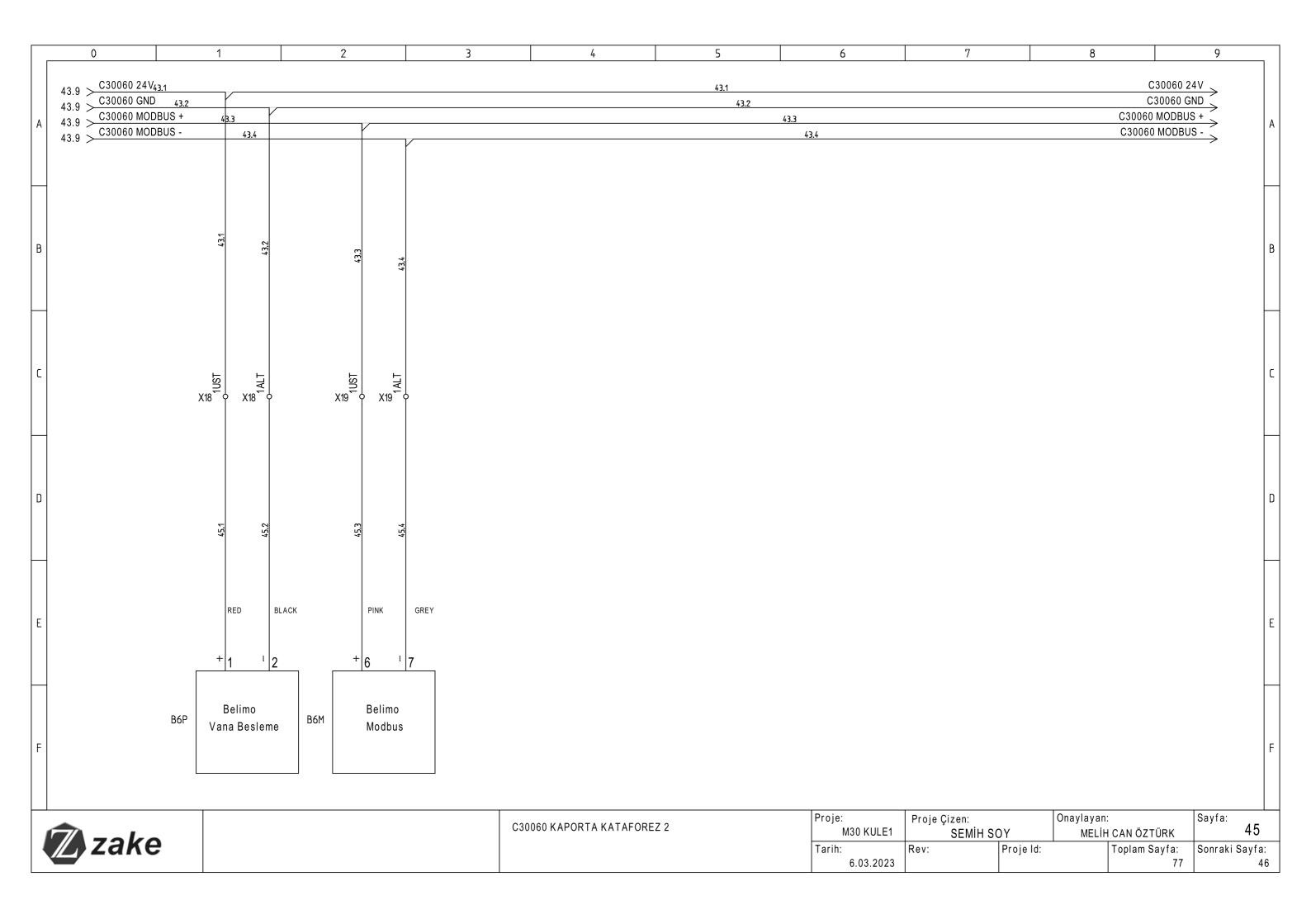


	Modifications Since Previous Revision	C30050	Document Number:	Sheet:	Rev. Date:		Rev.:
Modification #1		030030		41 of 116	Cre. Date:	8.03.2023	
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Modification #3		C30050 TERMINAL LISTS					









#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Current Supplier Tag Series Description Product Price ZVTM I/O MODUL ZAKE ZVTM-51 F22 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох TONGUN TNGPANOPLS 28G21G13 280X210X130 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU 9540000000 CIFT KATLI KLEMENS WEIDMULLER Sheet: Rev. Date: Rev.: C30010 Document Number: Modifications Since Previous Revision 46 of 116 Cre. Date: 8.03.2023 Modification #1 C30060 A LIST OF MATERIIALS Sheet Created by: Modification #2

Modification #3

## X12

			No.	Term.	Sheet	Line			
			1 ALT	0	40	0	40.2	40.2	— ZVTM-
F 2 2 : 1	40.5	40.5	1 UST	0	40	0	40.1	40.1	— ZVTM+
B 6 P : +	42.1	42.1		0			40.1		
B 6 P : +	42.2	42.2	1 ALT	0	42	1	40.2	40.2	— ZVTM-

## X13

		No.	Term.	Sheet	Line		
		1 ALT	0	40	0	40.4 40.	ZVTM DATA-
		1 UST	0	40	0	40.3 40.	ZVTM DATA+
B 6 M : +	42.3	1 UST	0	42	2	40.3	_
B 6 M : - 42.4	42.4	1 ALT	0	42	3	4 0 . 4	

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Modification #3		

C30060

C30060 TERMINAL LISTS

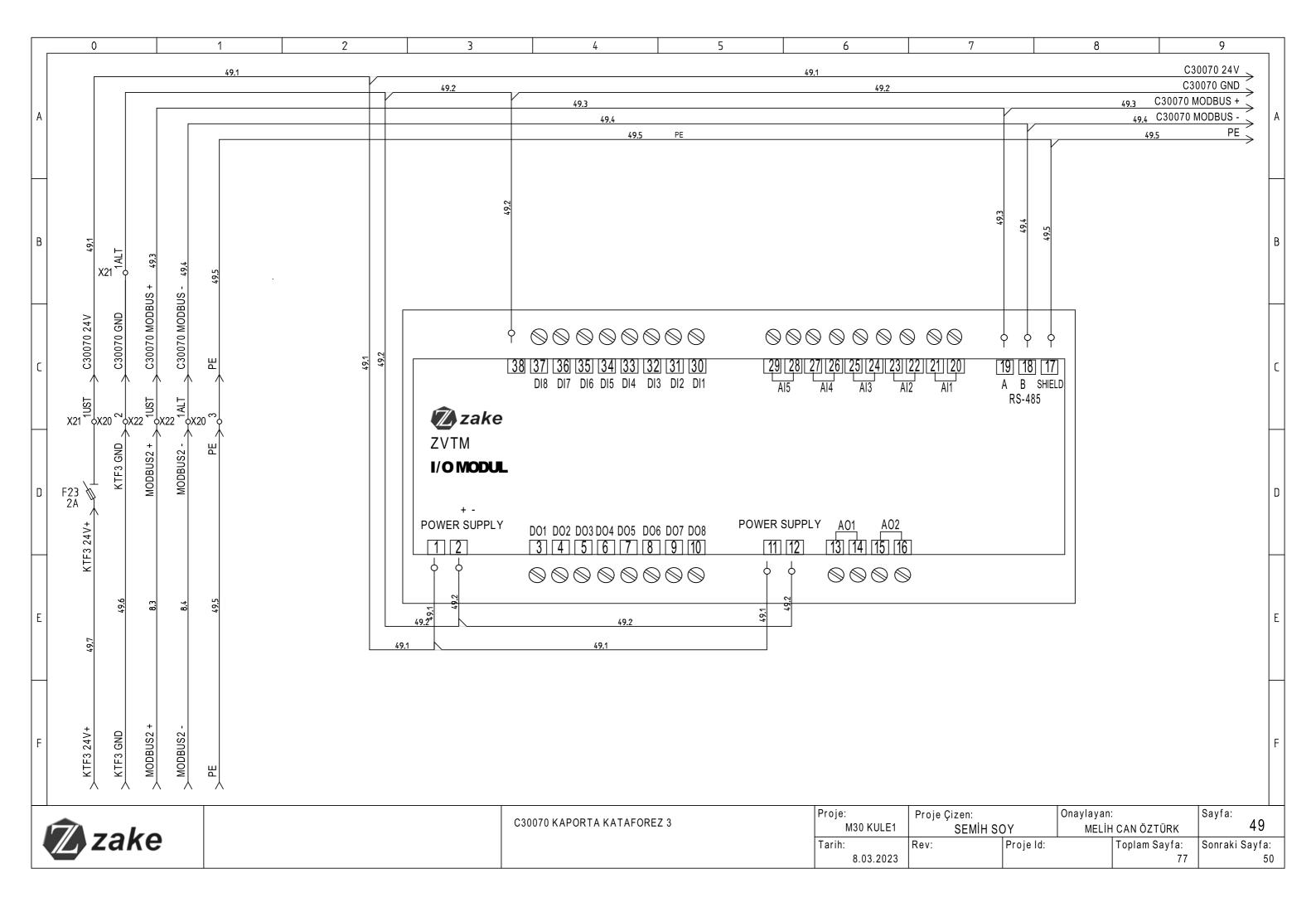
Document Number: Sheet: 47 of 116

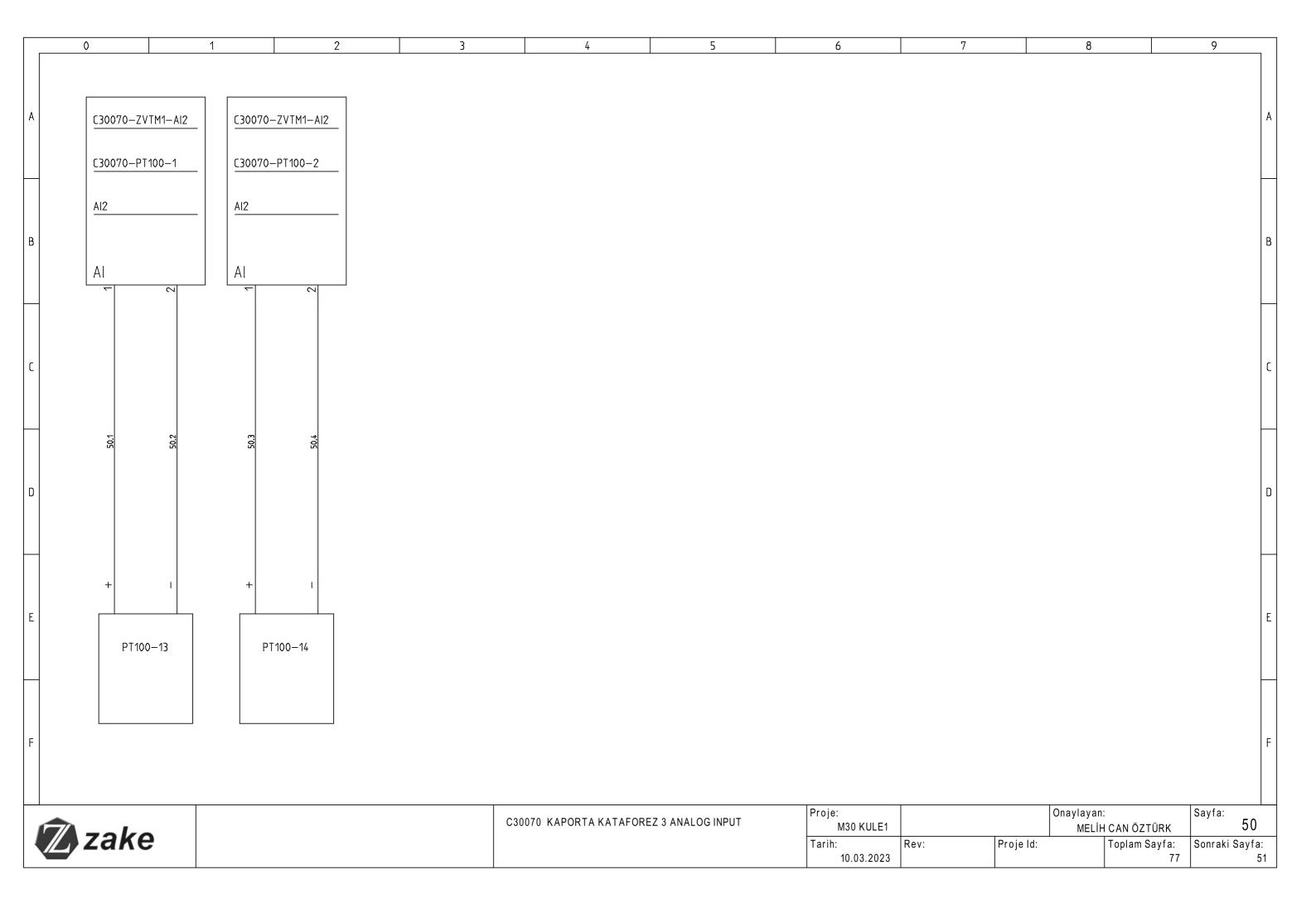
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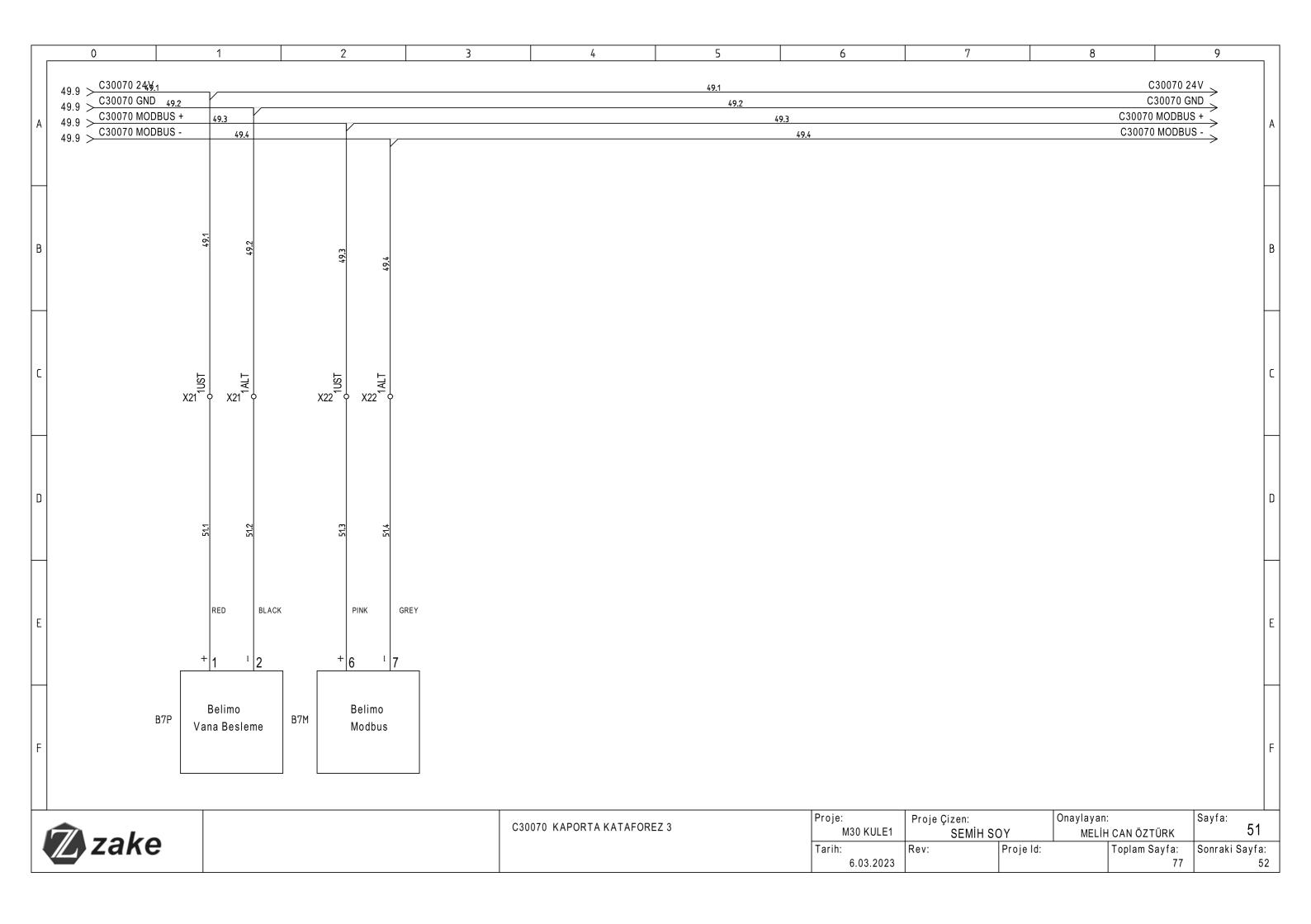
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 8.03.2023

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#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Price Current Supplier Tag Series Description Product ZVTM I/O MODUL ZVTM-51 ZAKE F23 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Sheet: Document Number: Rev.: Rev. Date: Modifications Since Previous Revision C30010 52 of 116 Cre. Date: 8.03.2023 Modification #1 C30070 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3 For Technical Support Please Call 1-866-SEE-INFO

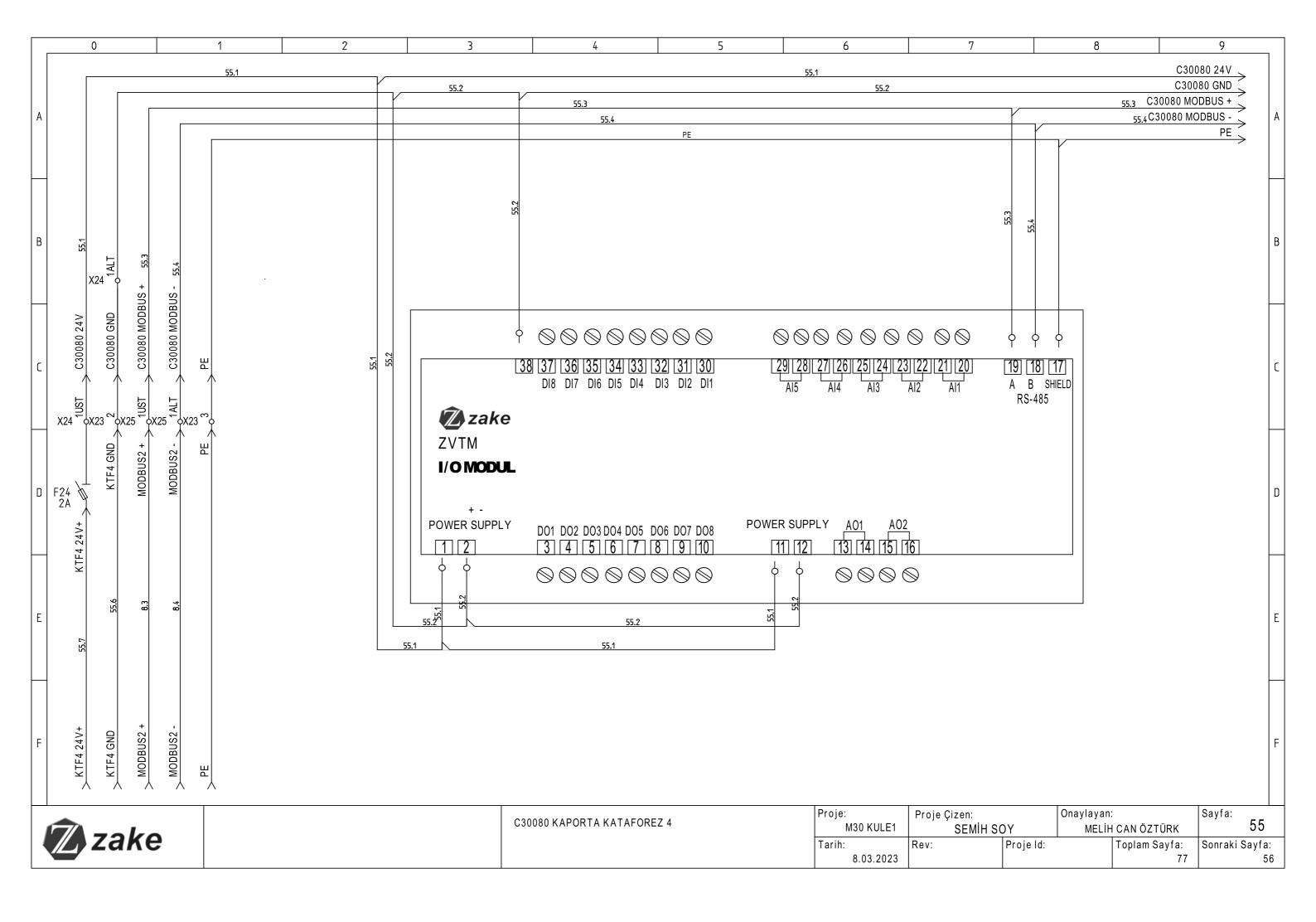
## X14

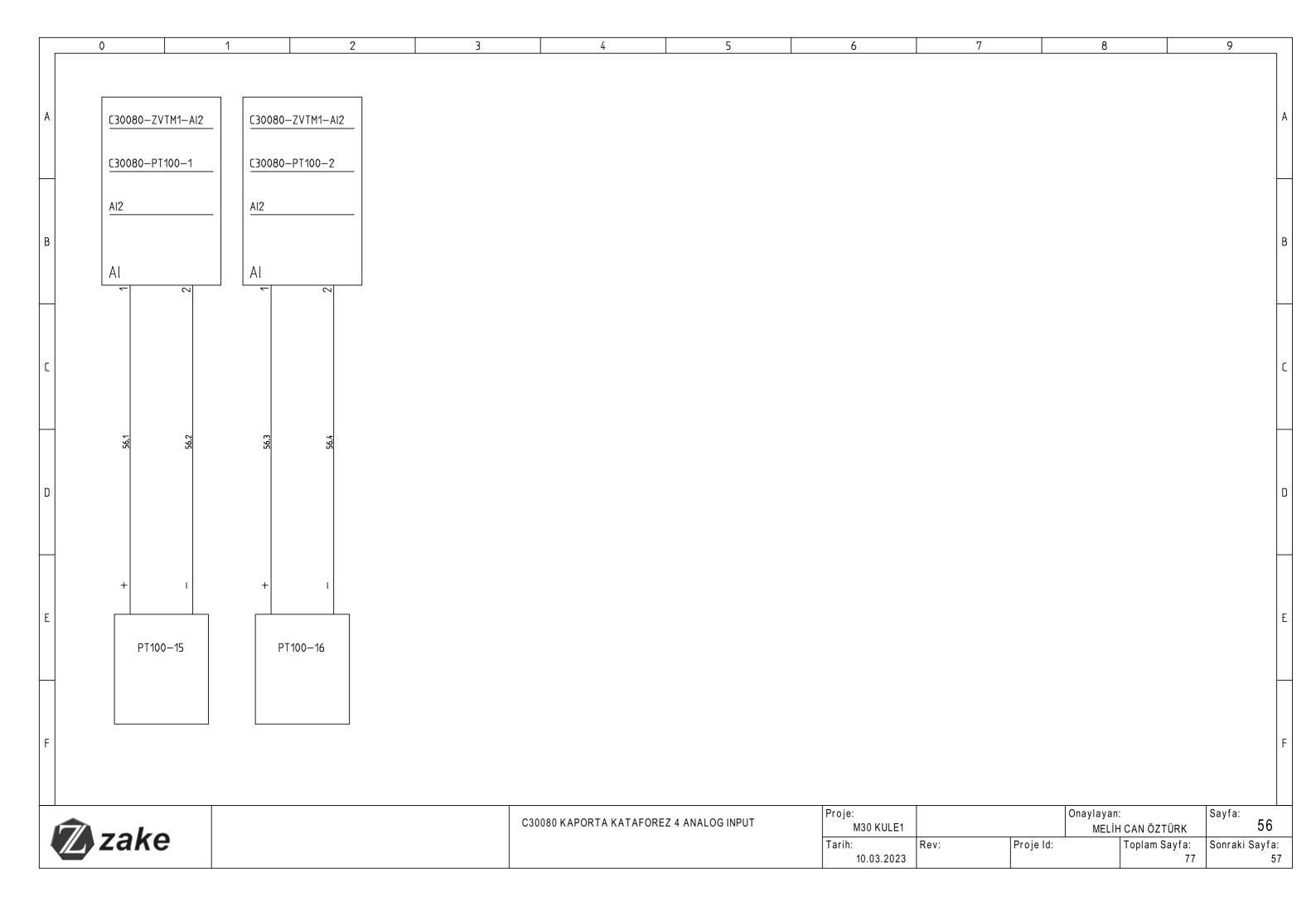
			No.	Term.	Sheet	Line			
			1 ALT	0	46	0	46.2	46.2	— ZVTM-
F 2 3 : 1 —	46.5	46.5	1 UST	0	46	0	46.1	46.1	— ZVTM+
B 7 P : + —	48.1	48.1		0			46.1		
B7P:+ —	48.2	48.2	1 ALT	0	48	1	46.2	4 6 . 2	— ZVTM-

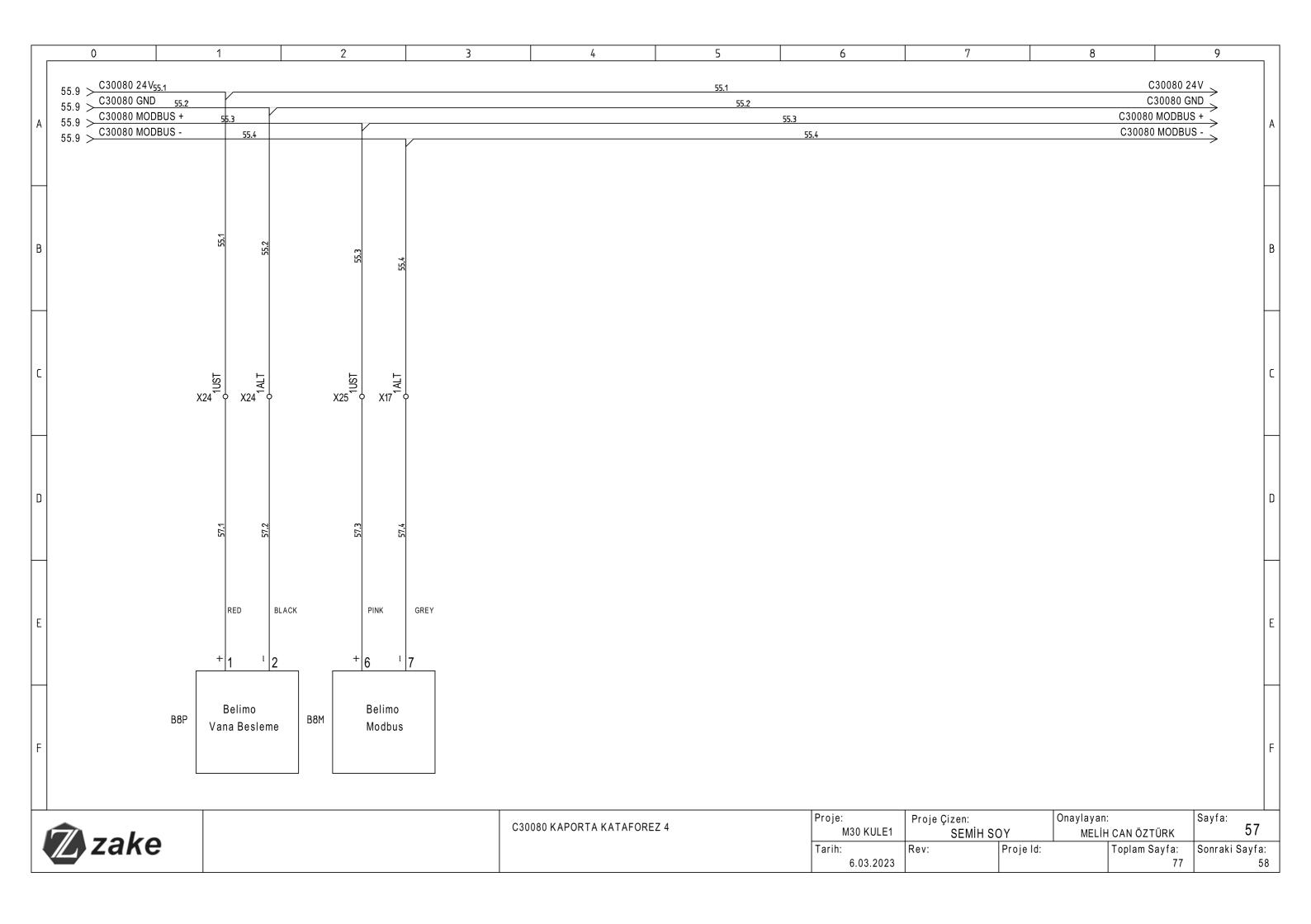
			No.	Term.	Sheet	Line		
		•	1 ALT	0	46	0	46.4 46.4	ZVTM DATA-
		Ī	1 UST	0	46	0	46.3 46.3	ZVTM DATA+
B 7 M : + —	48.3	48.3	1 UST	0	48	2	46.3	
B 7 M : - —	48.4	48.4	1 ALT	0	48	2	46.4	

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#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Price Current Supplier Tag Series Description Product ZVTM I/O MODUL ZVTM-51 ZAKE F24 WEIMULLER SIGORTALI KLEMENS 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Document Number: Sheet: Rev.: Rev. Date: Modifications Since Previous Revision C30010 58 of 116 Cre. Date: 8.03.2023 Modification #1 C30080 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3

### X16

			No.	Term.	Sheet	Line			
			1 ALT	0	52	0	52.2	52.2	— ZVTM-
F 2 4 : 1 -	52.5	5 2 . 5	1 UST	0	52	0	52.1	52.1	— ZVTM+
B 8 P : + -		5 4 . 1		0			52.1		
B 8 P : + -	5 4 . 2	5 4 . 2	1 ALT	0	54	1	52.2	52.2	— ZVTM-

### X17

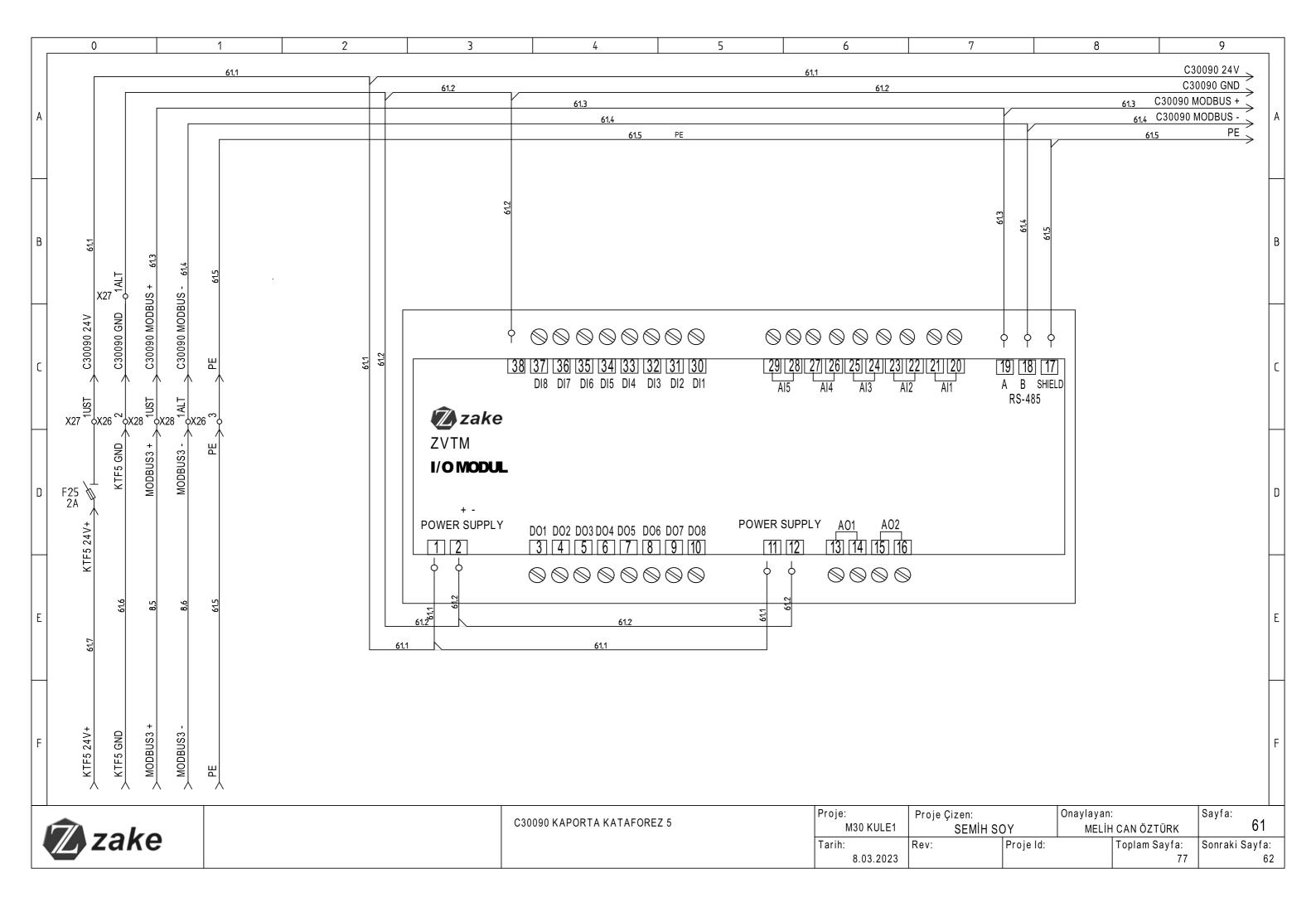
			No.	Term.	Sheet	Line			
		•	1 ALT	0	52	0	5 2 . 4	52.4	ZVTM DATA-
			1 UST	0	52	0	52.3	52.3	ZVTM DATA+
B 8 M : + —	5 4 . 3	54.3	1 UST	0	54	2	52.3		
B 8 M : - —	5 4 . 4	5 4 . 4	1 ALT	0	54	3	52.4		

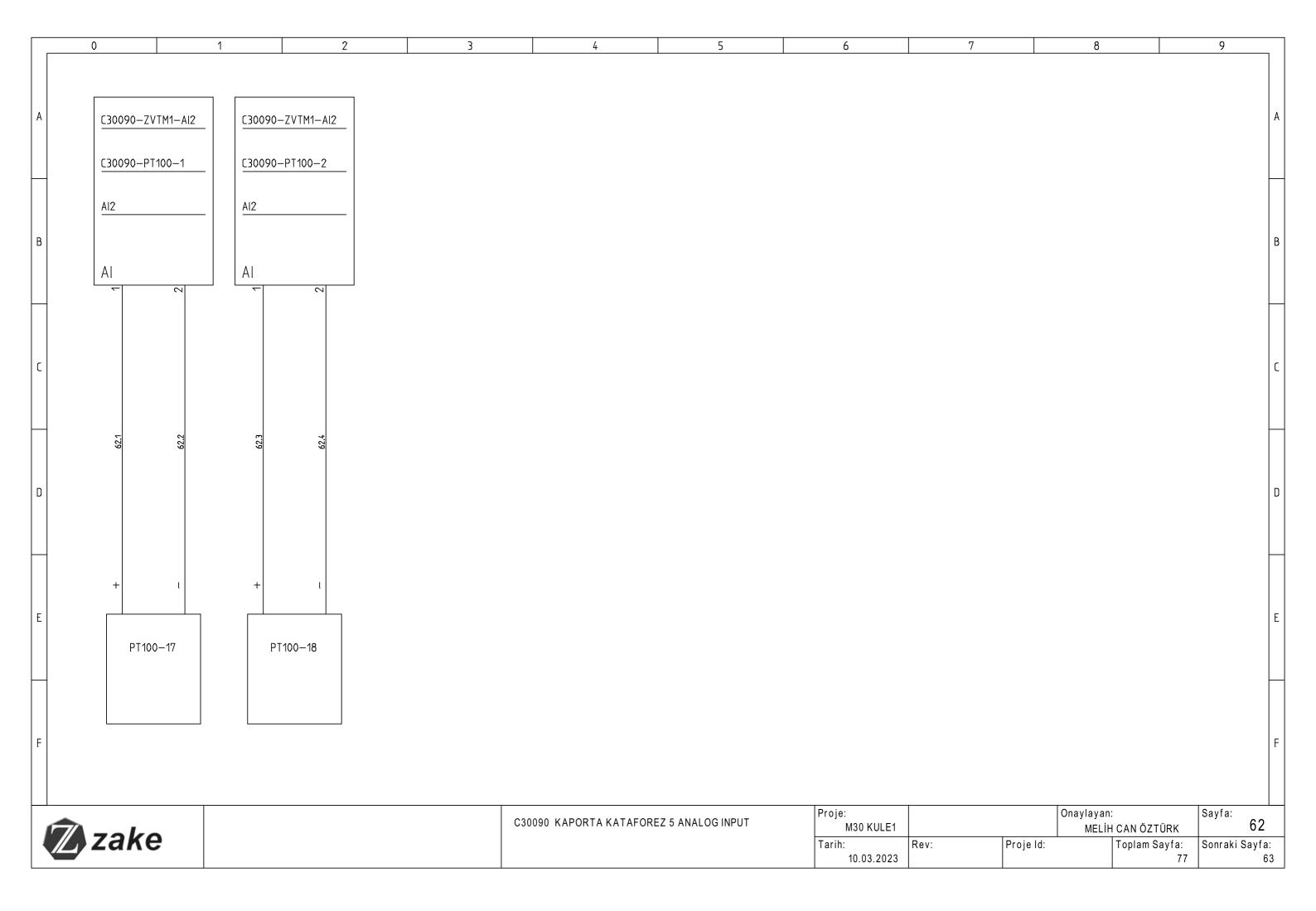
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Modification #3		

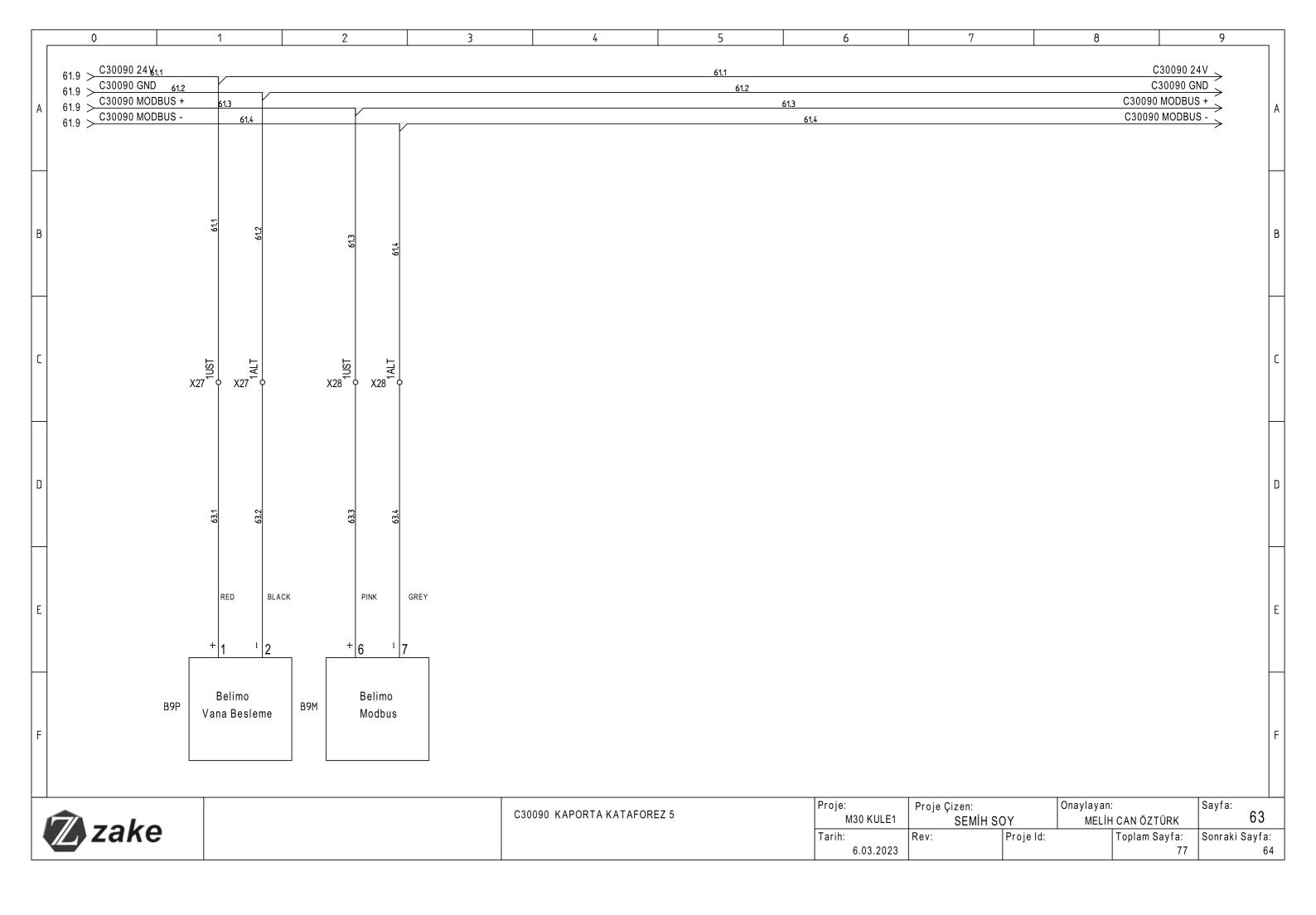
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8.03.2023
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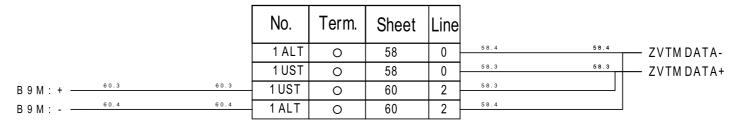




#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Tag zvtm Price Current Supplier Series Description Product I/O MODUL ZVTM-51 ZAKE F25 SIGORTALI KLEMENS WEIMULLER 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Sheet: Rev.: Rev. Date: Document Number: Modifications Since Previous Revision C30010 64 of 116 Cre. Date: 8.03.2023 Modification #1 C30090 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3

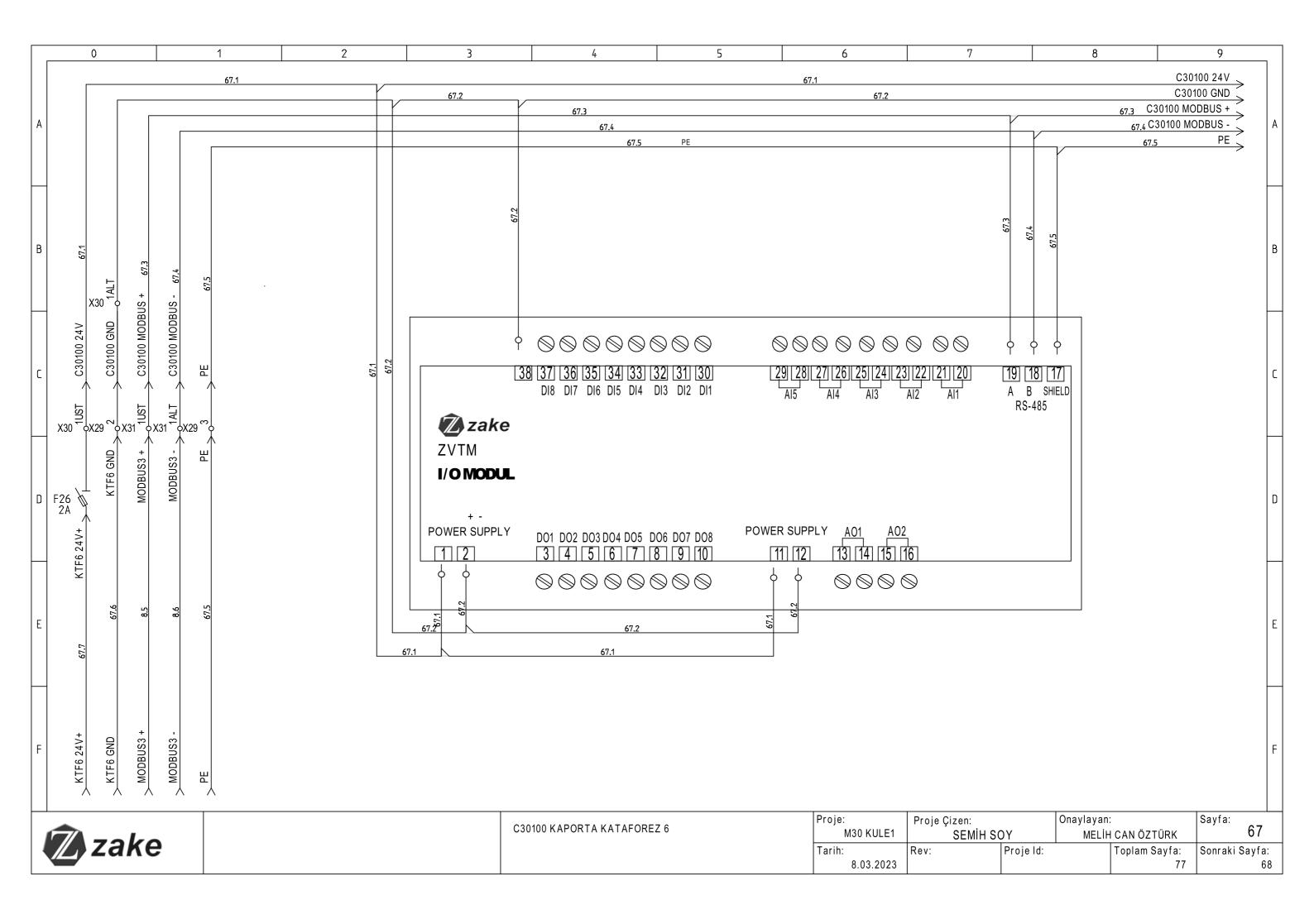
## X18

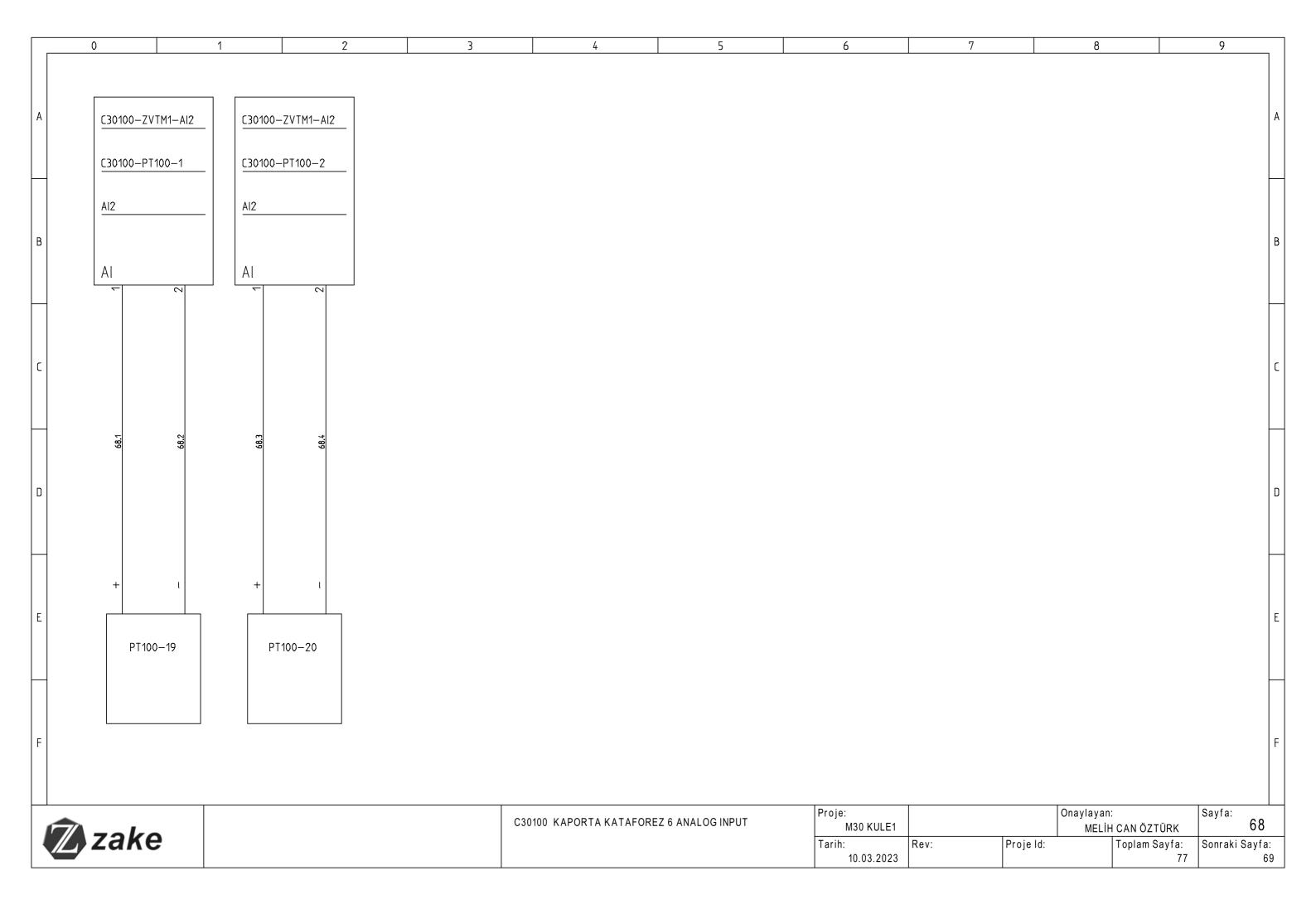
			No.	Term.	Sheet	Line			
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F 2 5 : 1 -	58.5	58.5	1 UST	0	58	0	58.1	58.1	— ZVTM+
B 9 P : + -	60.1	60.1		0			58.1		
B 9 P : + -	60.2	60.2	1 ALT	0	60	1	58.2	58.2	— ZVTM-

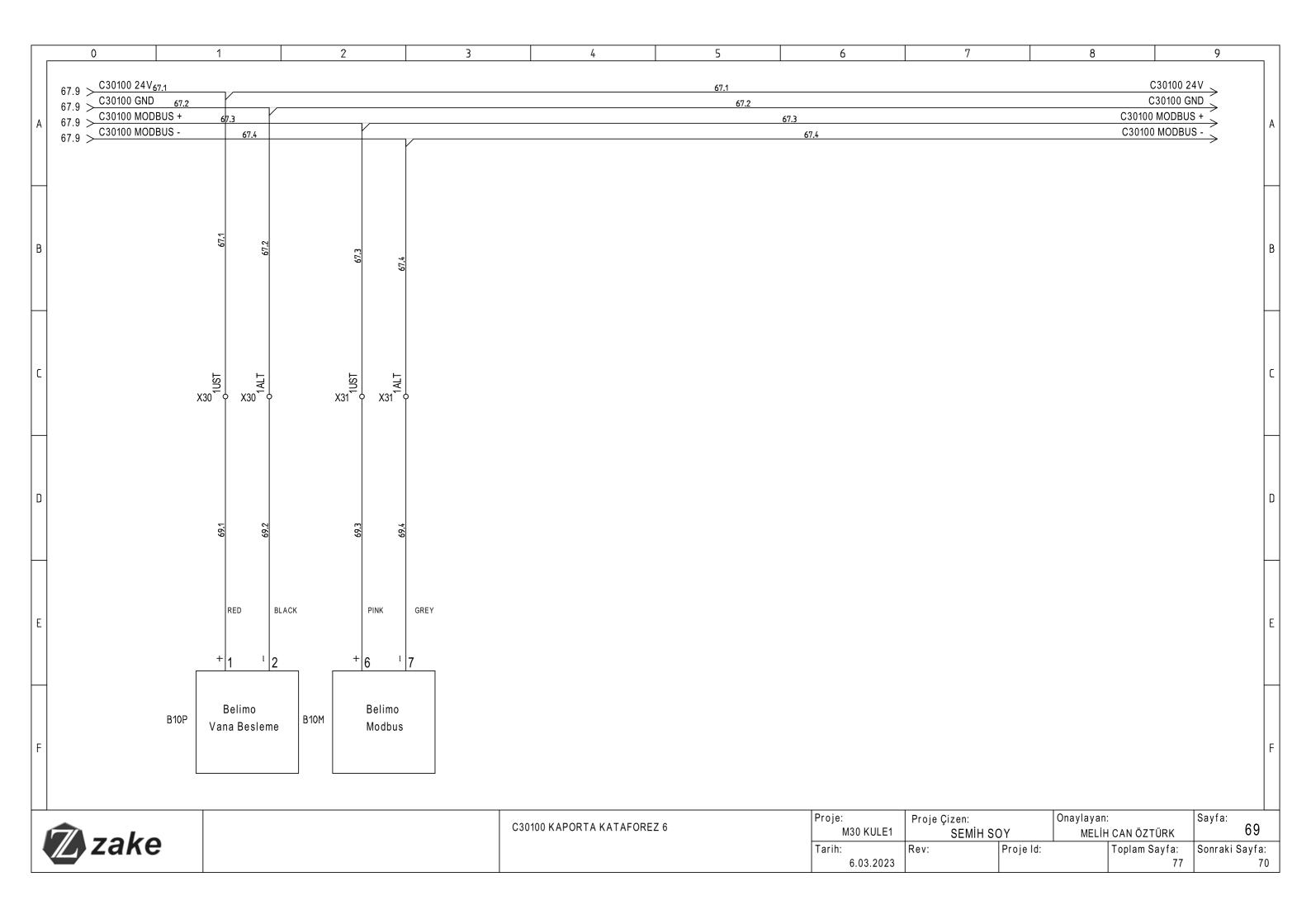


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Modification #1		030030		65 of 116	Cre. Date:	8.03.2023	
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Modification #3		C30090 TERMINAL LISTS					



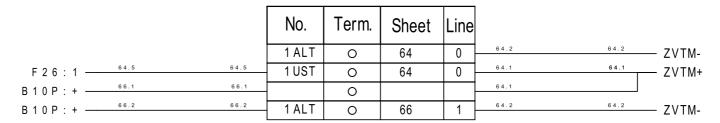






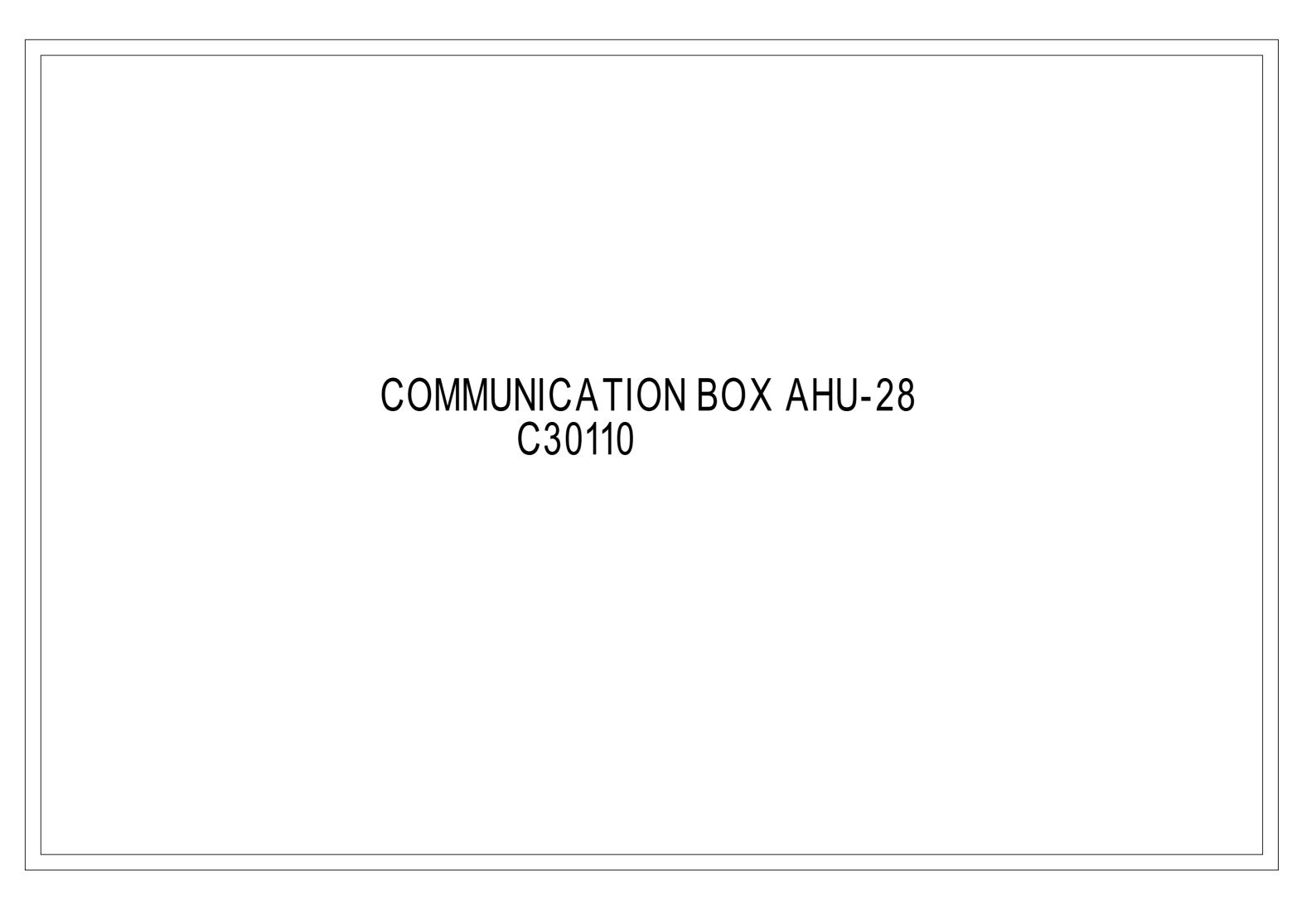
#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Tag zvtm Price Current Supplier Series Description Product I/O MODUL ZVTM-51 ZAKE F26 WEIMULLER SIGORTALI KLEMENS 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Document Number: Sheet: Rev.: Rev. Date: Modifications Since Previous Revision C30010 70 of 116 Cre. Date: 8.03.2023 Modification #1 C30100 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3

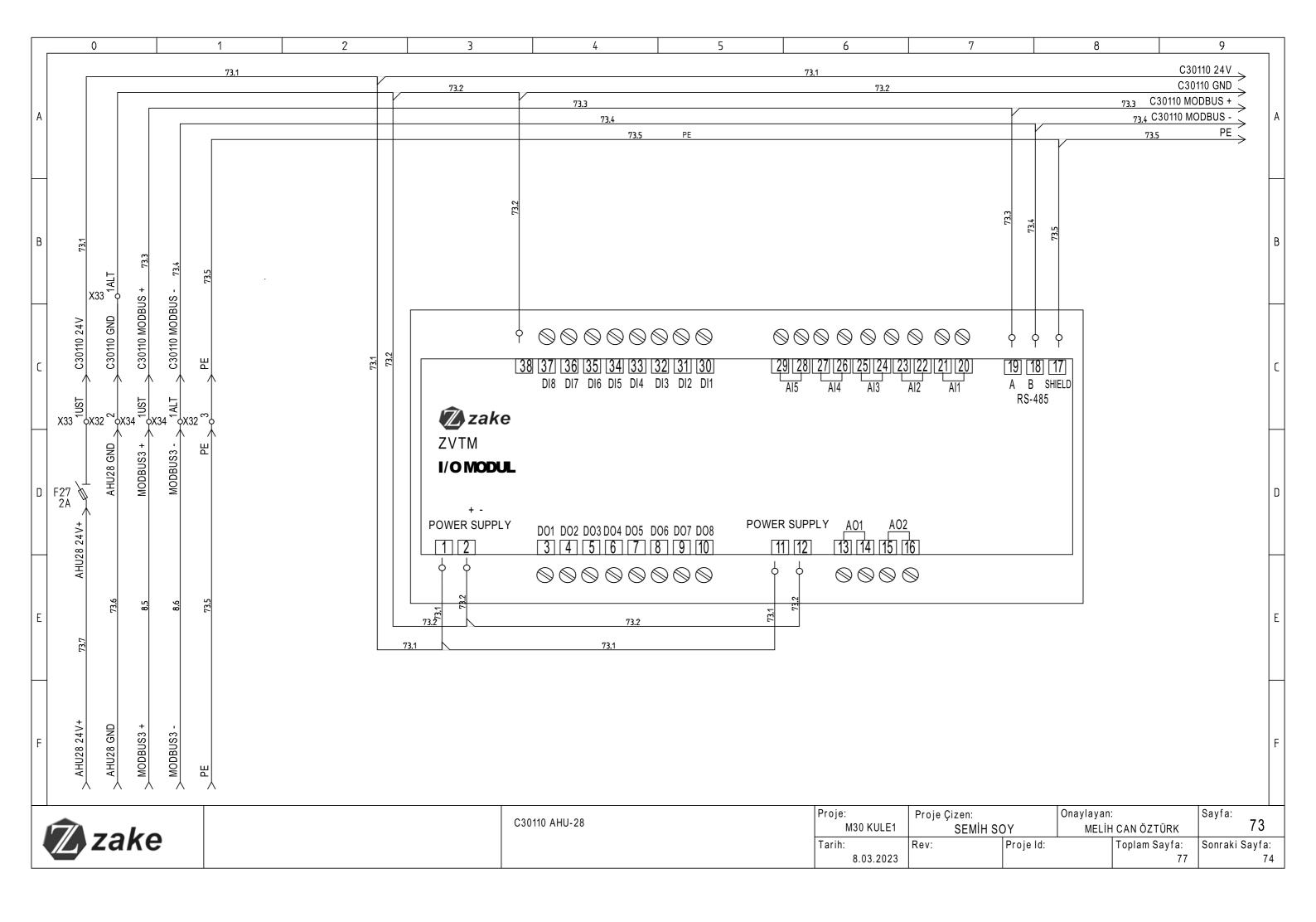
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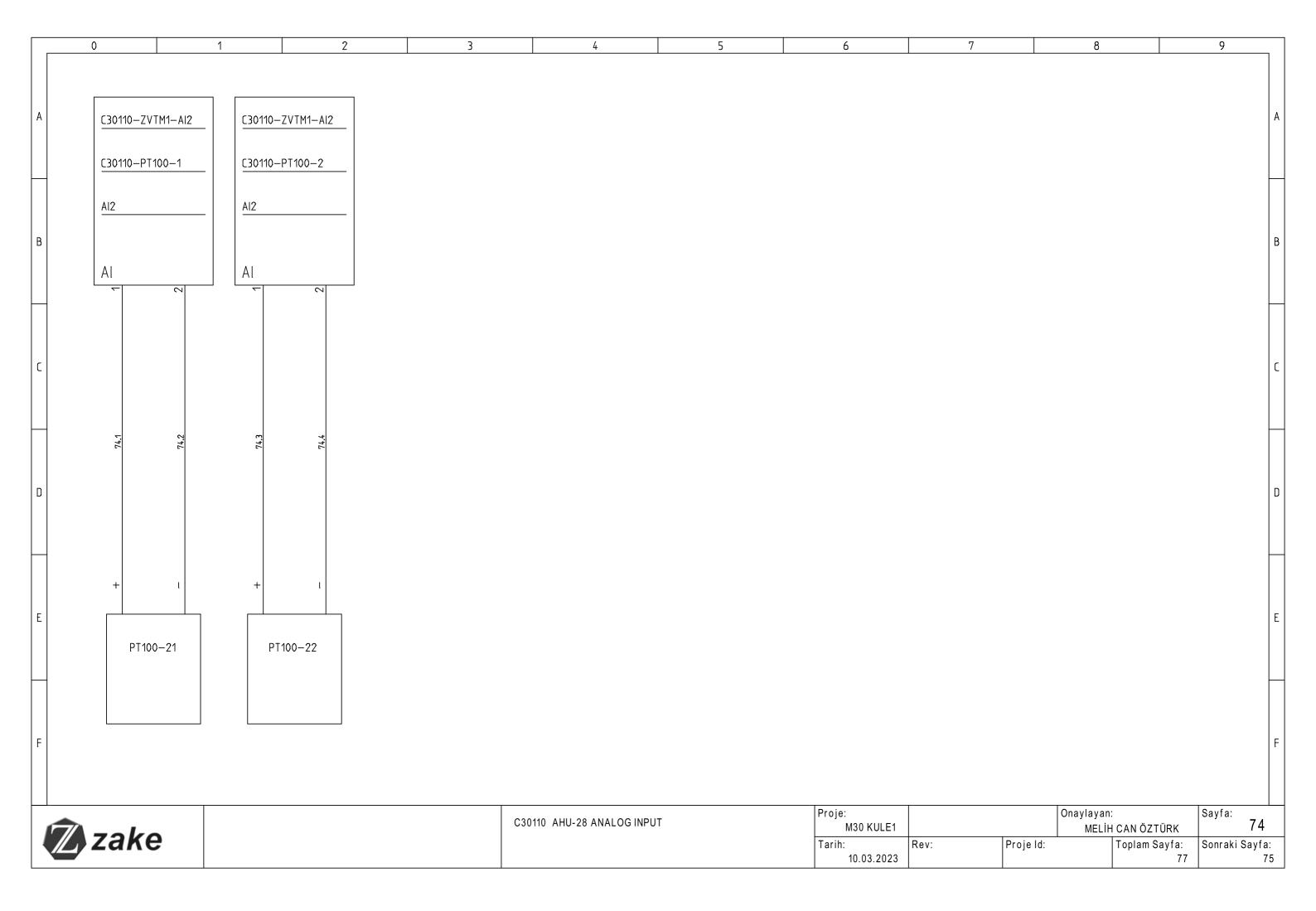


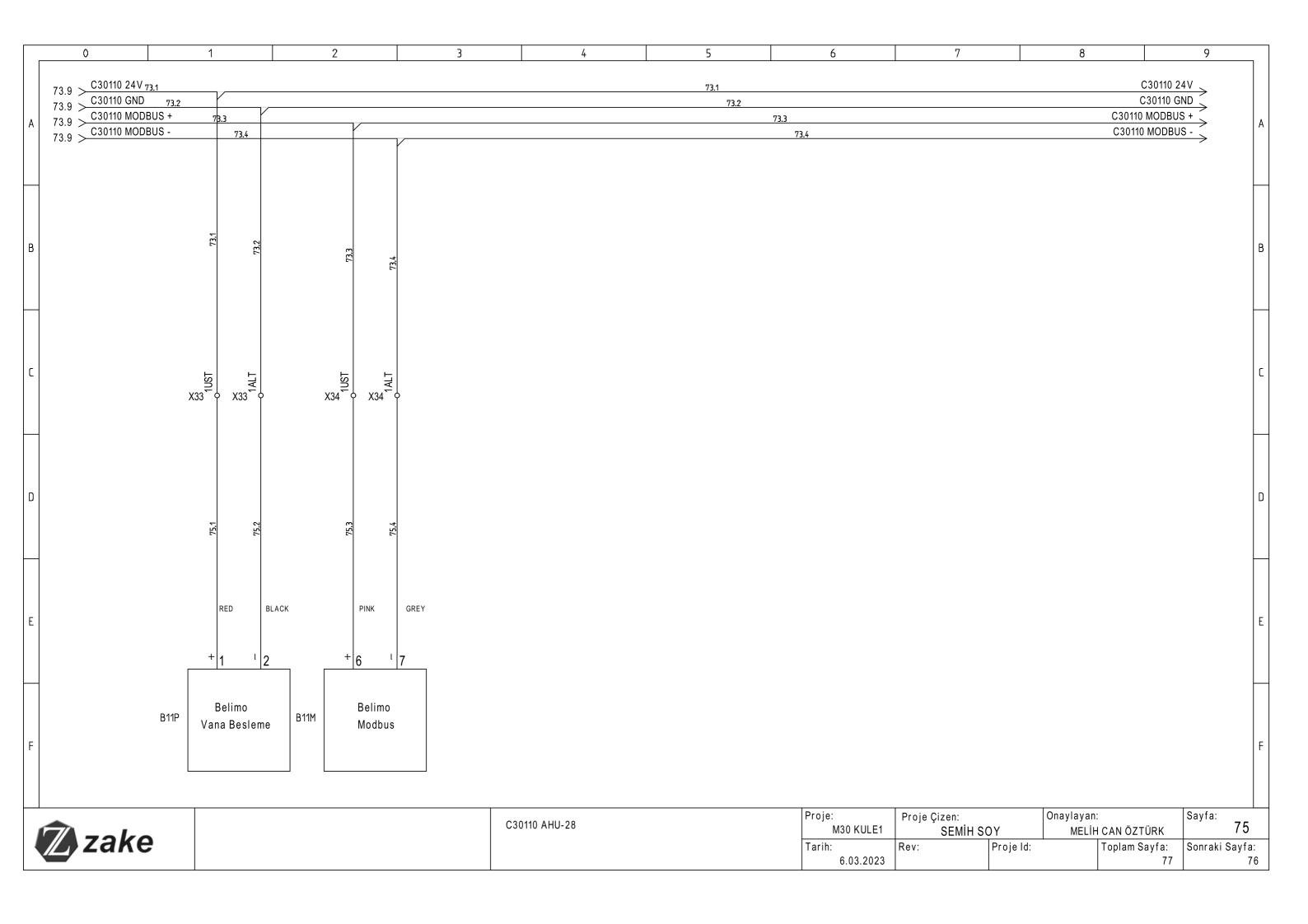
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	1 UST	0	64	0	64.3 64.3	ZVTM DATA+
B 1 0 M : + —————————————————————————————————	1 UST	0	66	2	6 4 . 3	
B 1 0 M : - 66.4	1 ALT	0	66	3	6 4 . 4	

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Modification #3		C30100 TERMINAL LISTS					









#### A list of materials Type (Cat. No.) Lin. Weight Outer Diam. Voltage Price Current Supplier Tag Series Description Product ZVTM I/O MODUL ZVTM-51 ZAKE F27 WEIMULLER SIGORTALI KLEMENS 2562730000-WSI6 вох 280X210X130 TONGUN TNGPANOPLS 28G21G13 KLEMENS WEIDMULLER 1547610000 CIFT KATLI KLEMENS DURDURUCU CIFT KATLI KLEMENS WEIDMULLER 9540000000 Document Number: Sheet: Rev.: Rev. Date: Modifications Since Previous Revision C30010 76 of 116 Cre. Date: 8.03.2023 Modification #1 C30010 A LIST OF MATERIIALS Sheet Created by: Modification #2 Modification #3

#### X22

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F 2 7 : 1 —	70.5	70.5	1 UST	0	70	0	70.1	70.1	— ZVTM+
B 1 1 P : + —	72.1	72.1	2 UST	0	72	1	70.1		
B 1 1 P : + —	72.2	72.2	2 ALT	0	72	1	70.2	70.2	— ZVTM-

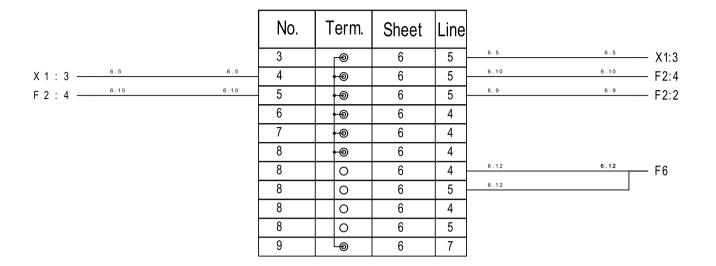
#### X23

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			1 UST	0	70	0	70.3 70.3	<del>│</del> ─ ZVTM DATA+
B 1 1 M : +	72.3	72.3	2 UST	0	72	2	70.3	
B 1 1 M : -	7 2 . 4	72.4	2 ALT	0	72	2	70.4	

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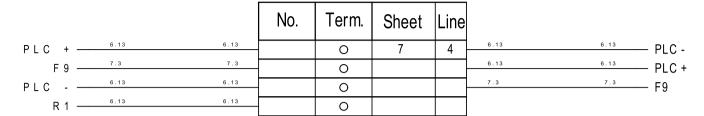
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No.	Term.	Sheet	Line		
1	0	6	0	6.3	6.3
	0			6.3	6.3
3	0	6	1	6.5	6.5
	0			6.5	6.5
2	0	6	0	6 . 4	6 . 4
	0			6 . 4	6.4

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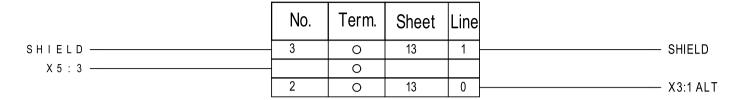
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Modification #2						
Modification #3						

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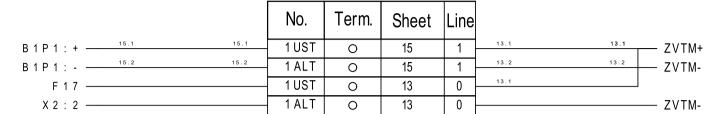
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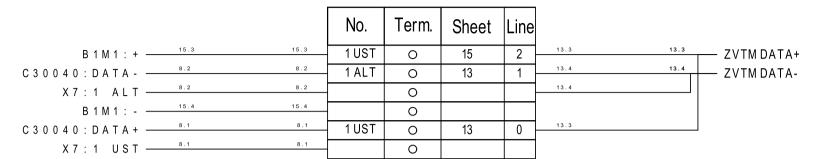
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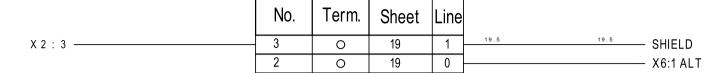


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Modification #3	

M30 KULE1

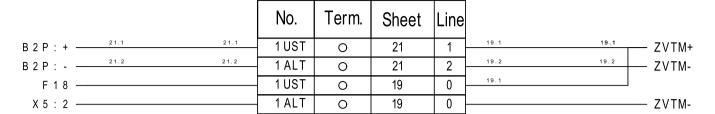
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M30 KULE1

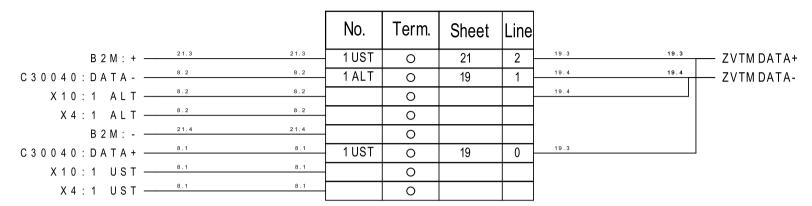
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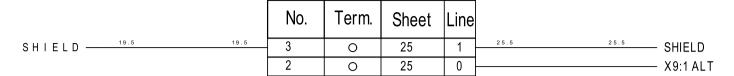


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Modification #2	
Modification #3	

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IGE+	-XAO	Sheet Created by:		

X8

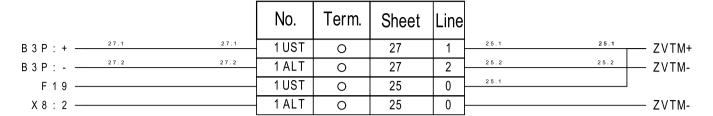


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M30 KULE1

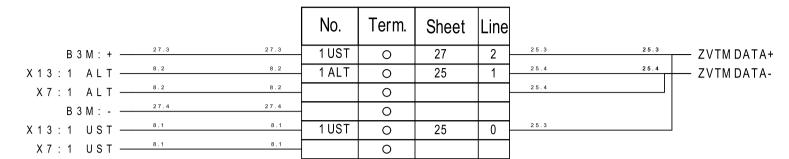
Χ9

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M30 KULE1

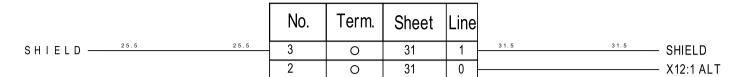
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M30 KULE1

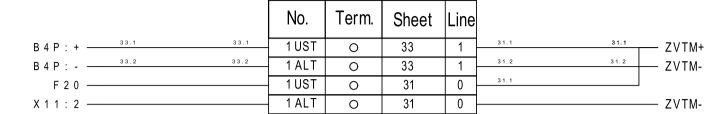
X11

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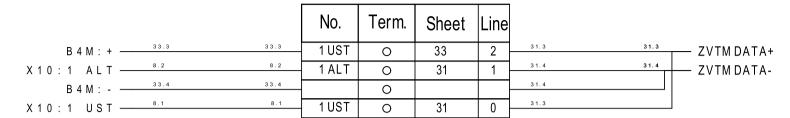
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M30 KULE1

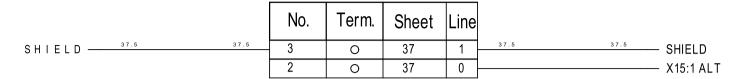
X13

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M30 KULE1

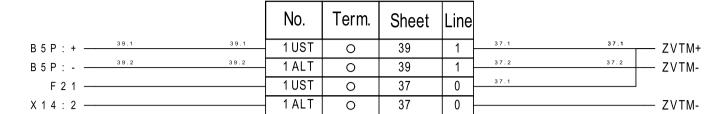
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### X15



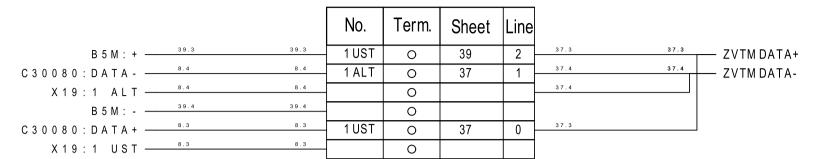
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### X17

			No.	Term.	Sheet	Line			
SHIELD —	43.5	43.5	3	0	43	1	43.5	43.5	— SHIELD
В 8 М : - —	57.4	57.4	1 ALT	0	57	3	55.4	5 5 . 4	- ZVTM DATA-
			2	0	43	0			— X18:1 UST

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M30 KULE1

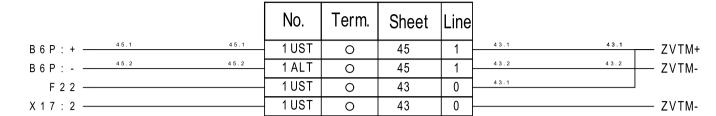
X17

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### X18

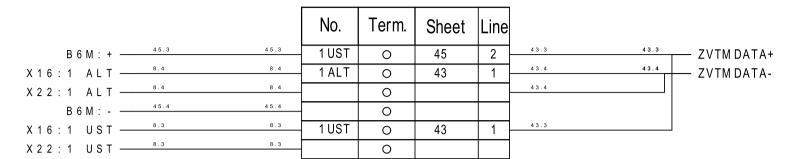


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### X19

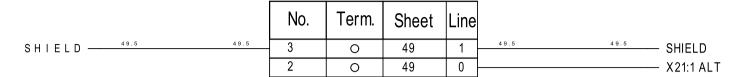


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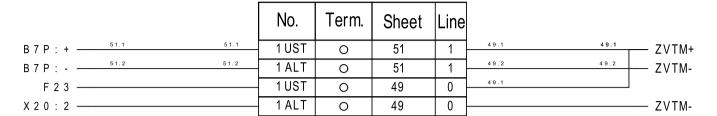


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M30 KULE1

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X21



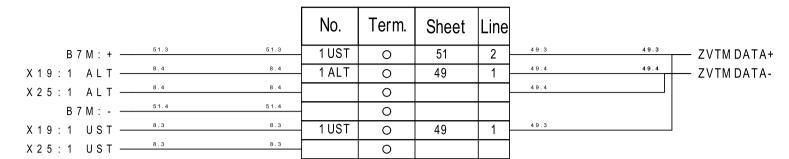
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X21

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M30 KULE1

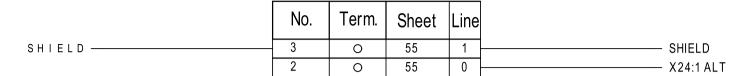
X22

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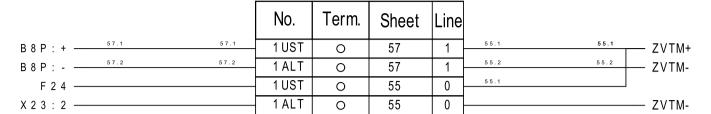
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X25

	No.	Term.	Sheet	Line		
B 8 M : +	1 UST	0	57	2	55.3 55.	ZVTM DATA+
X 2 2 : 1 A L T	1 ALT	0	55	1	55.4 55.	ZVTM DATA-
X 2 2 : 1 U S T —————————————————————————————————	1 UST	0	55	0	55.3	

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M30 KULE1

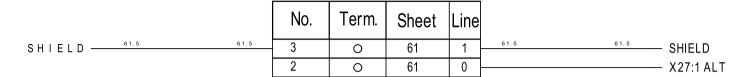
X25

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X26



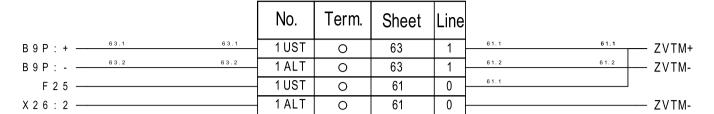
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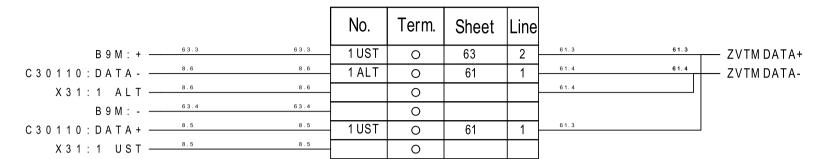


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M30 KULE1

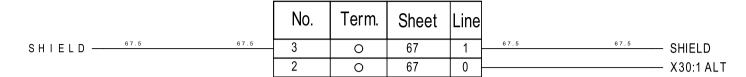
X28

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X29

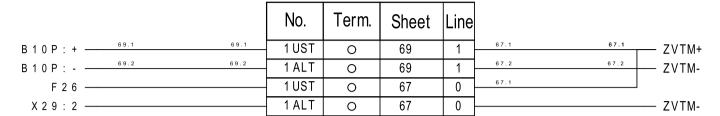


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X31

			No.	Term.	Sheet	Line			
B 1 0 M : + —	69.3	69.3	1 UST	0	69	2	67.3	67.3	— ZVTM DATA+
C 3 0 1 1 0 : D A T A - —	8.6	8.6	1 ALT	0	67	1	67.4	67.4	— ZVTM DATA-
X 2 8 : 1 A L T —	8.6	8.6		0			67.4		
X34:1 ALT —	8.6	8.6		0					
B 1 0 M : - —	69.4	69.4		0					
X 2 8 : 1 UST —	8.5	8.5	1 UST	0	67	0	67.3		
X34:1 UST —	8.5	8.5		0					

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X32

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SHIELD 73.5 73.5 3 0 73 1 73.5 SHIELD

2 0 73 0 X33:1 ALT

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M30 KULE1

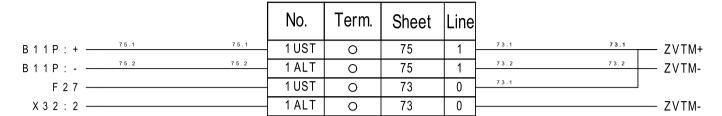
X32

0 + 0   1	10 101
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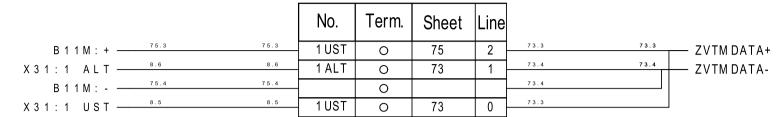
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Y1

			No.	Term.	Sheet	Line			
Y E D E K - 1 : +	10.2	10.2	1	0	10	0	10.1	10.1	— F10
YEDEK - 1 :	10.3	10.3	2	r@	10	0	6.13	6.13	— R1
Y E D E K - 2 : +	10.5	10.5	3	0	10	2	10.4	10.4	— F11
Y E D E K - 2 :	10.6	10.6	4	•	10	2			
Y E D E K - 3 : +	10.8	10.8	5	0	10	3	10.7	10.7	— F12
YEDEK - 3 :	10.9	10.9	6	•	10	3			
Y E D E K - 4 : +	10.11	10.11	7	0	10	5	10.10	10.10	— F13
Y E D E K - 4 :	10.12	10.12	8	•	10	5			
YEDEK - 5 : +	10.14	10.14	9	0	10	6	10.13	10.13	— F14
YEDEK - 5 :	10.15	10.15	10	•	10	6			
Y E D E K - 6 : +	10.17	10.17	11	0	10	7	10.16	10.16	— F15
YEDEK - 6 :	10.18	10.18	12	•	10	7			
Y E D E K - 7 : +	10.20	10.20	13	0	10	9	10.19	10.19	— F16
Y E D E K - 7 :	10.21	10.21	14	9	10	9			

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Y1

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Y2

No.	Term.	Sheet	Line			
1	0	9	2	9.3	9.3	- R1
2	0	9	3	9.2	9.2	- R1

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