



ENERGY EFFICIENCY

ECONOMIZER CONTROL SYSTEM KATAFOREZ			ID	23006
			DATE	20.02.2023
			TOTAL PAGE	62
			M31 AHU ÖN ISITMA KULE2	
Escon Energy	Zake Enginnering	Renault Oyak	See Elektrical V8.2	

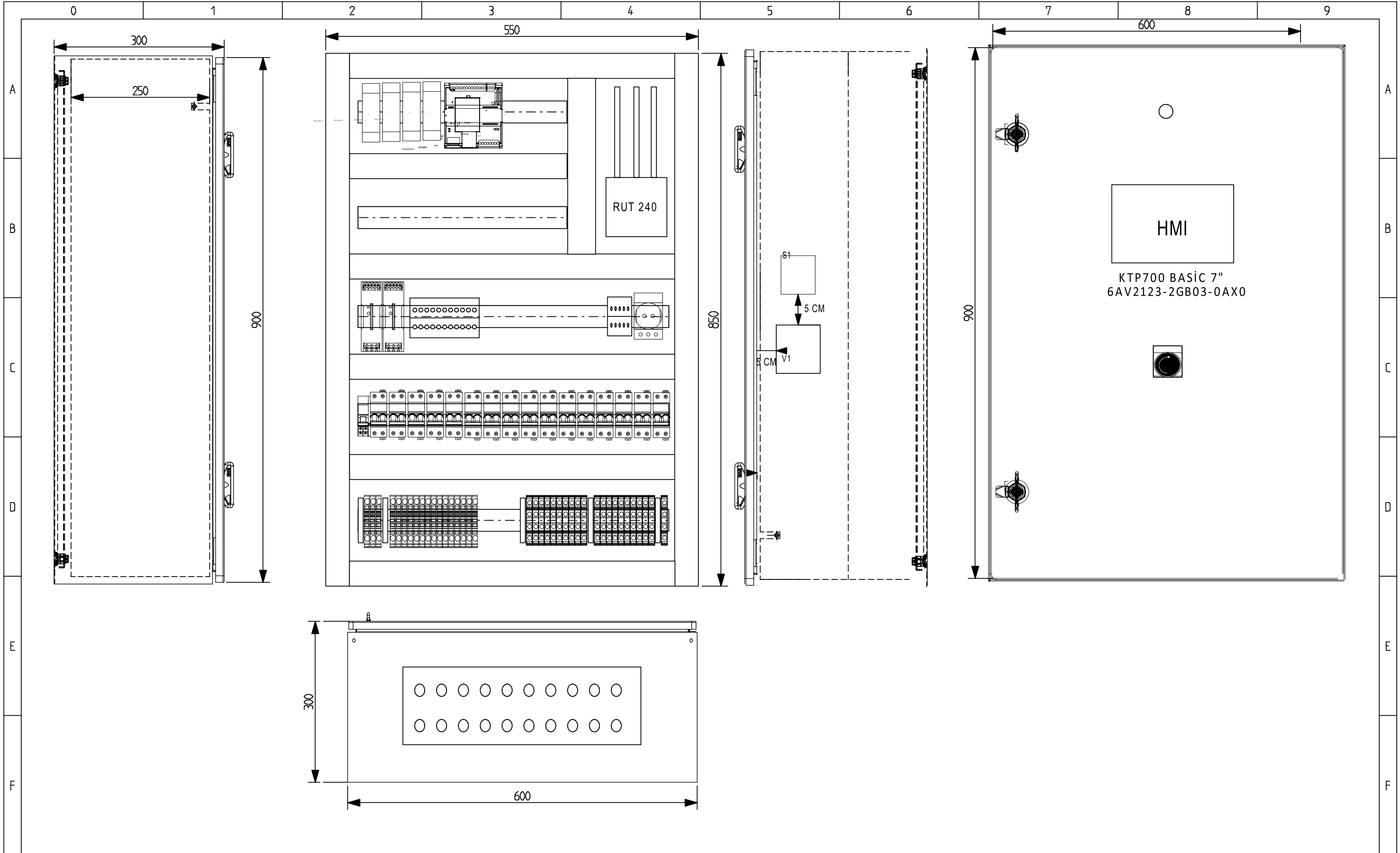
A list of materials

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					
RS-485 3		6ES7241-1CH32-0XB0	Modbus Haberlesme Modül(Yandan)	SIEMENS	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		L5K13MP311	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					

	Modifications Since Previous Revision	M30 AHU ÖN ISITMA KULE1 A LIST OF MATERIALS 1	Document Number:	Sheet: 1 of 86	Rev. Date:	Rev.:			
Modification #1					Cre. Date: 11.03.2023				
Modification #2				Sheet Created by:					
Modification #3									

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	Modifications Since Previous Revision	<div style="text-align: center;"> <h1>M30 AHU ÖN İSITMA KULE1</h1> <h2>A LIST OF MATERIALS 2</h2> </div>	Document Number:	Sheet: 2 of 86	Rev. Date:	Rev.:
Modification #1				Cre. Date:	11.03.2023	
Modification #2				Sheet Created by:		
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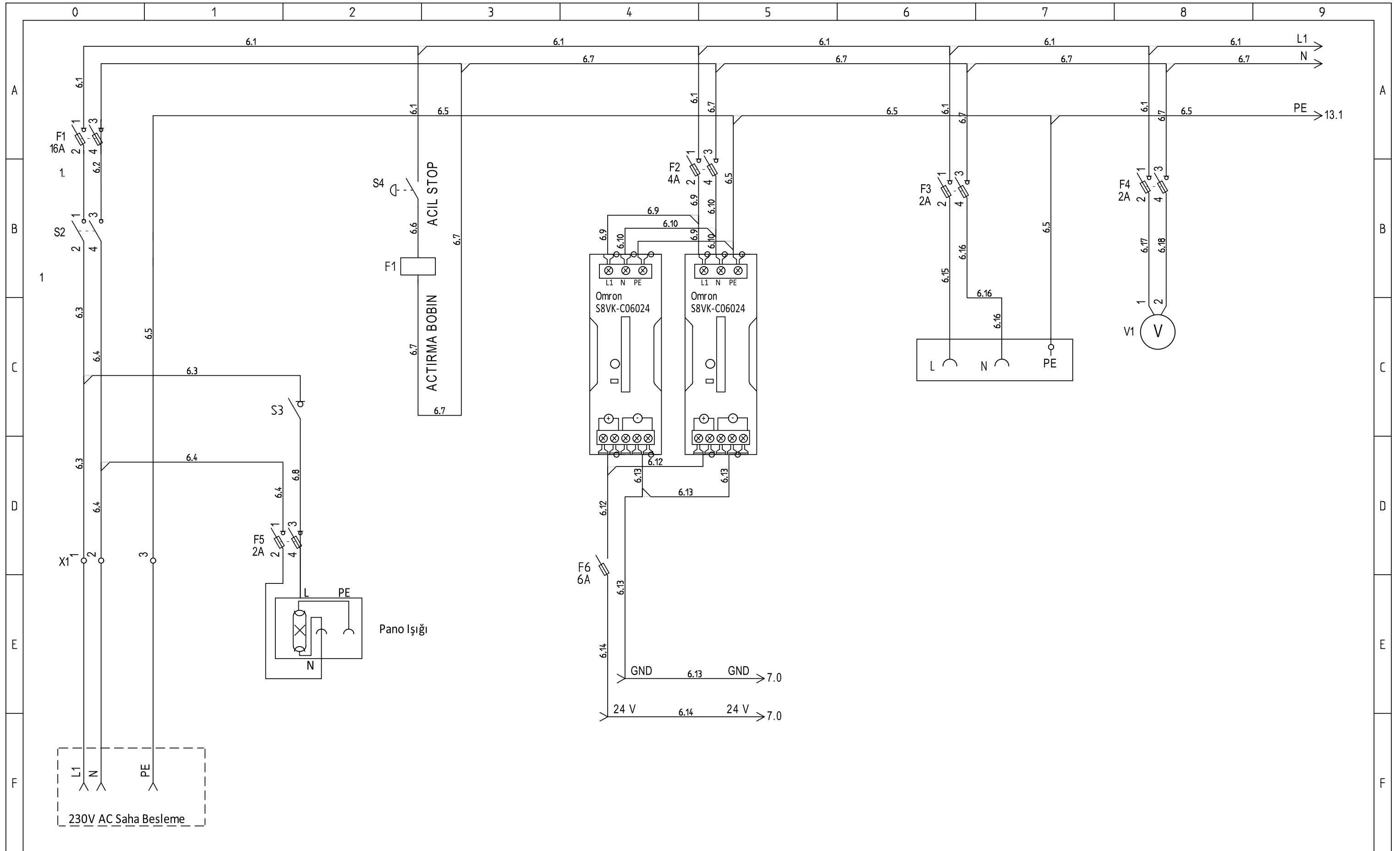
List of Documents

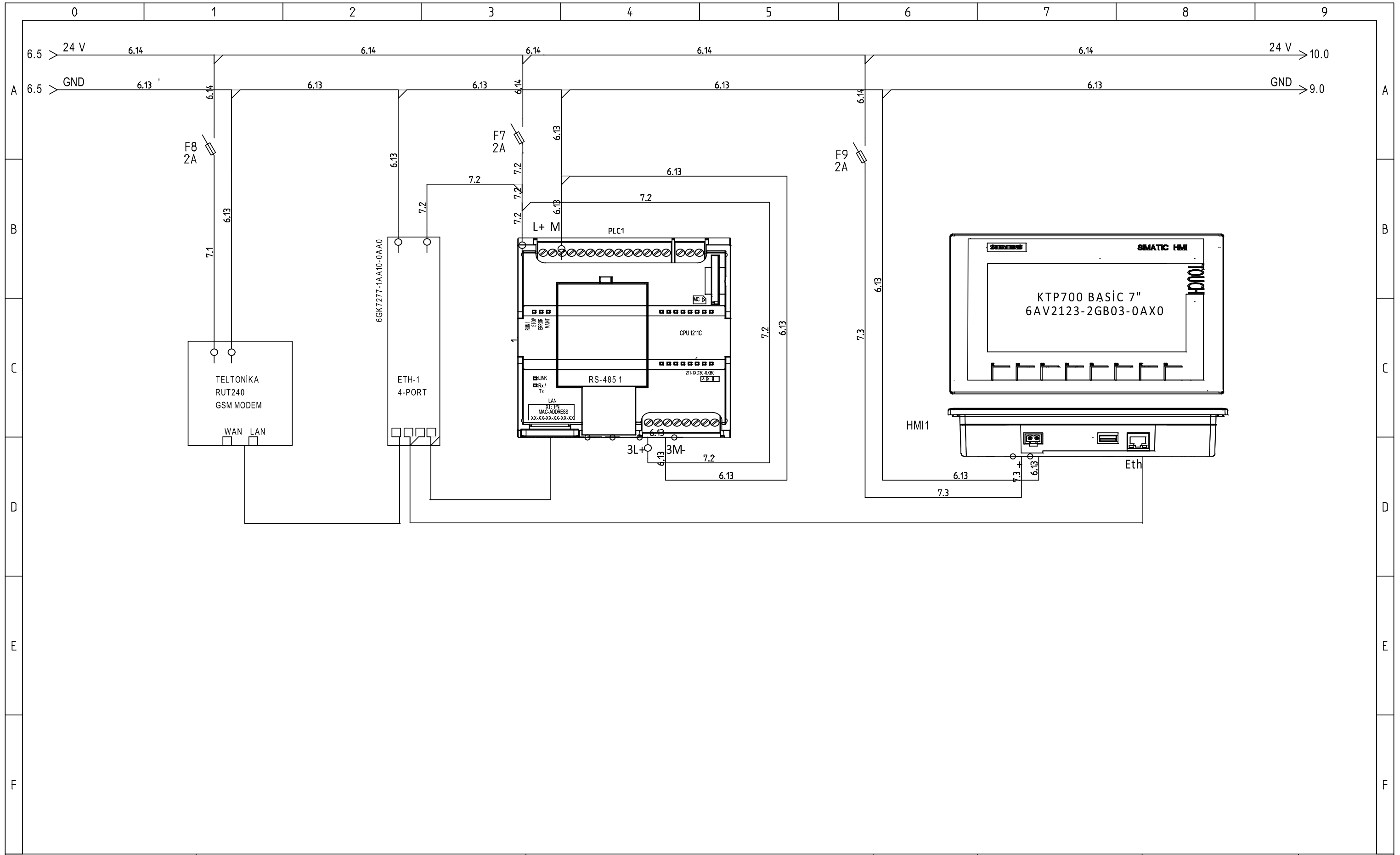
Sheet	Kind of Document	Description	Revision date
1	Table of Contents		11.03.2023
2	Table of Contents		11.03.2023
1	Project cover sheet		
1	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 1	
2	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 2	
3	Circuit diagrams (EN/IEC)	DESIGN	
4	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS 1	
5	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS 2	
6	Circuit diagrams (EN/IEC)	M30 MAIN POWER MASTER	
7	Circuit diagrams (EN/IEC)	M30 S71200 PLC	
8	Circuit diagrams (EN/IEC)	HABERLESME	
9	Circuit diagrams (EN/IEC)	M30 AC DC KONTROL	
10	Circuit diagrams (EN/IEC)	M30 DC KONTROL	
11	Circuit diagrams (EN/IEC)	TERMINAL LISTS	
12	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-1	
13	Circuit diagrams (EN/IEC)	C31010 AHU-1	
14	Circuit diagrams (EN/IEC)	C31010 AHU-1 ANALOG INPUT	
15	Circuit diagrams (EN/IEC)	C31010 AHU-01	
16	Circuit diagrams (EN/IEC)	C30010 A LIST OF MATERIALS	
17	Circuit diagrams (EN/IEC)	C31010 TERMINAL LISTS	
18	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-2	
19	Circuit diagrams (EN/IEC)	C31020 AHU-2	
20	Circuit diagrams (EN/IEC)	C31020 AHU-2 ANALOG INPUT	
21	Circuit diagrams (EN/IEC)	C31020 AHU-2	
22	Circuit diagrams (EN/IEC)	C31020 A LIST OF MATERIALS	
23	Circuit diagrams (EN/IEC)	C31020 TERMINAL LISTS	
24	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-3	
25	Circuit diagrams (EN/IEC)	C31030 AHU-3	
26	Circuit diagrams (EN/IEC)	C31030 AHU-3 ANALOG INPUT	
27	Circuit diagrams (EN/IEC)	C31030 AHU-3	

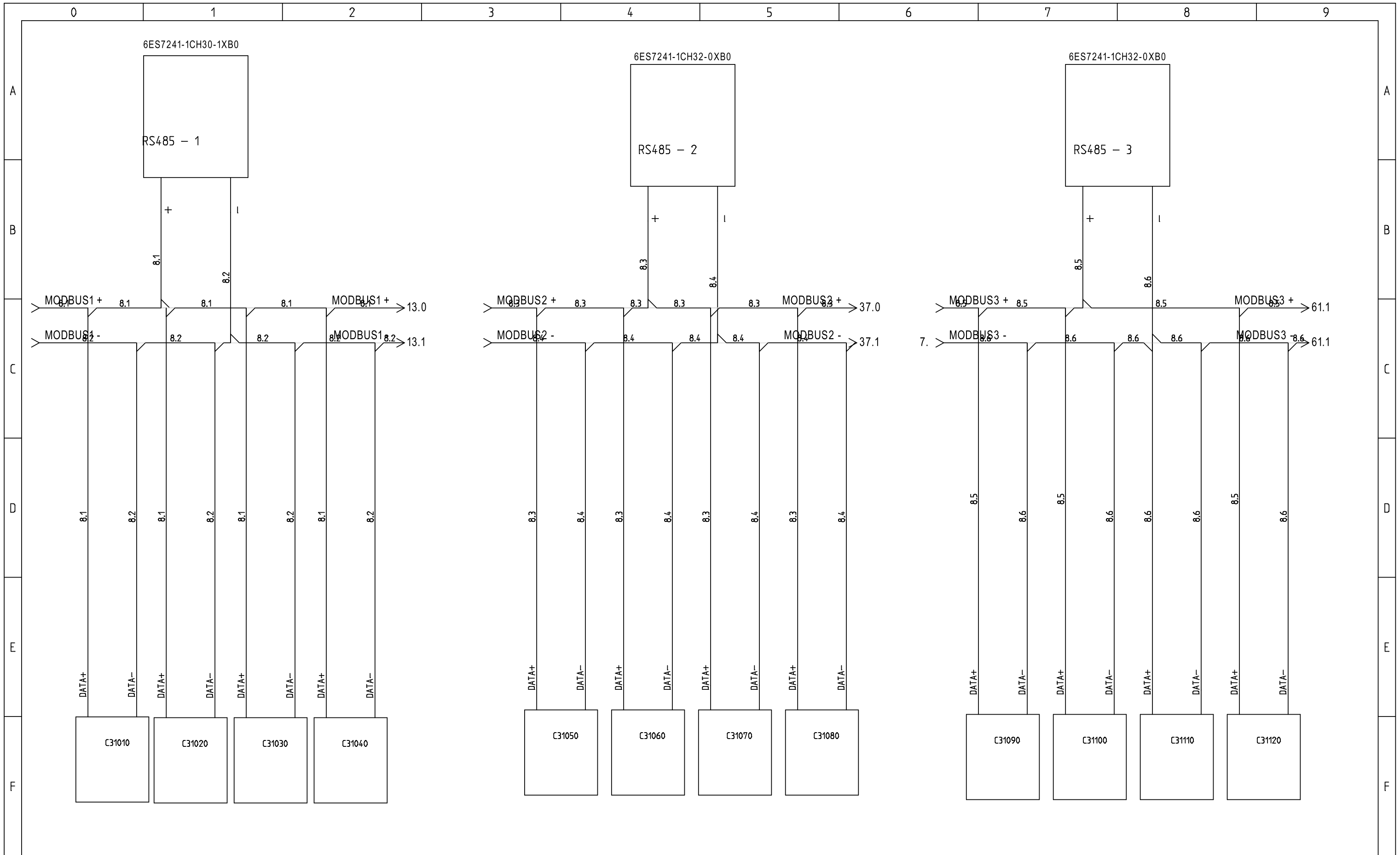
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29	Circuit diagrams (EN/IEC)	C31030 TERMINAL LISTS	
30	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-4	
31	Circuit diagrams (EN/IEC)	C31040 AHU-4	
32	Circuit diagrams (EN/IEC)	C31040 ANALOG INPUT	
33	Circuit diagrams (EN/IEC)	C31040 AHU-4	
34	Circuit diagrams (EN/IEC)	C31040 A LIST OF MATERIALS	
35	Circuit diagrams (EN/IEC)	C31040 TERMINAL LISTS	
36	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-23	
37	Circuit diagrams (EN/IEC)	C31050 AHU-23	
38	Circuit diagrams (EN/IEC)	C31050 AHU-23 ANALOG INPUT	
39	Circuit diagrams (EN/IEC)	C31050 AHU-23	
40	Circuit diagrams (EN/IEC)	C31050 A LIST OF MATERIALS	
41	Circuit diagrams (EN/IEC)	C31050 TERMINAL LISTS	
42	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-24	
43	Circuit diagrams (EN/IEC)	C31060 AHU-24	
44	Circuit diagrams (EN/IEC)	C31060 AHU-24 ANALOG INPUT	
45	Circuit diagrams (EN/IEC)	C31060 AHU-24	
46	Circuit diagrams (EN/IEC)	C31060 A LIST OF MATERIALS	
47	Circuit diagrams (EN/IEC)	C31060 TERMINAL LISTS	
48	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-25	
49	Circuit diagrams (EN/IEC)	C31070 AHU-25	
50	Circuit diagrams (EN/IEC)	C31070 AHU-25 ANALOG INPUT	
51	Circuit diagrams (EN/IEC)	C31070 AHU-25	
52	Circuit diagrams (EN/IEC)	C31070 A LIST OF MATERIALS	
53	Circuit diagrams (EN/IEC)	C31070 TERMINAL LISTS	
54	Circuit diagrams (EN/IEC)	COMMUNICATION BOX AHU-6	
55	Circuit diagrams (EN/IEC)	C31080 AHU-6	
56	Circuit diagrams (EN/IEC)	C31080 AHU-6 ANALOG INPUT	
57	Circuit diagrams (EN/IEC)	C31080 AHU-6	

List of Documents

List of Documents											
Sheet	Kind of Document	Description	Revision date	Sheet	Kind of Document	Description	Revision date				
58	Circuit diagrams (EN/IEC)	C31080 A LIST OF MATERIIALS									
59	Circuit diagrams (EN/IEC)	C31080 TERMINAL LISTS									
60	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU 5									
61	Circuit diagrams (EN/IEC)	C31090 AHU-5									
62	Circuit diagrams (EN/IEC)	C31090 AHU-5 ANALOGINPUT									
63	Circuit diagrams (EN/IEC)	C31090 AHU-5									
64	Circuit diagrams (EN/IEC)	C31090 A LIST OF MATERIIALS									
65	Circuit diagrams (EN/IEC)	C31090 TERMINAL LISTS									
66	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-7									
67	Circuit diagrams (EN/IEC)	C31100 AHU-7									
68	Circuit diagrams (EN/IEC)	C31100 AHU-7 ANALOGINPUT									
69	Circuit diagrams (EN/IEC)	C31100 AHU-7									
70	Circuit diagrams (EN/IEC)	C31100 A LIST OF MATERIIALS									
71	Circuit diagrams (EN/IEC)	C31100 TERMINAL LISTS									
72	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-26									
73	Circuit diagrams (EN/IEC)	C31110 AHU-26									
74	Circuit diagrams (EN/IEC)	C31110 AHU-26 ANALOGINPUT									
75	Circuit diagrams (EN/IEC)	C31110 AHU-26									
76	Circuit diagrams (EN/IEC)	C31110 A LIST OF MATERIIALS									
77	Circuit diagrams (EN/IEC)	C31110 TERMINAL LISTS									
78	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-9									
79	Circuit diagrams (EN/IEC)	C31120 AHU-9									
80	Circuit diagrams (EN/IEC)	C31120 AHU-9 ANALOGINPUT									
81	Circuit diagrams (EN/IEC)	C31120 AHU-9									
82	Circuit diagrams (EN/IEC)	C31120 A LIST OF MATERIIALS									
83	Circuit diagrams (EN/IEC)	C31120 TERMINAL LISTS									
<div> <div>IGE+XAO</div> </div>			LIST OF DOCUMENTS2			Project:	M31KULE1_R01	Drawing no.:	Rev.:	Init.:	
						Date:	11.03.2023				Page: 5







HABERLESME

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M31 KUL.E1_R01

Tarih:
10.03.2023

Proje Çizen:
SEMİH SOY

Rev:

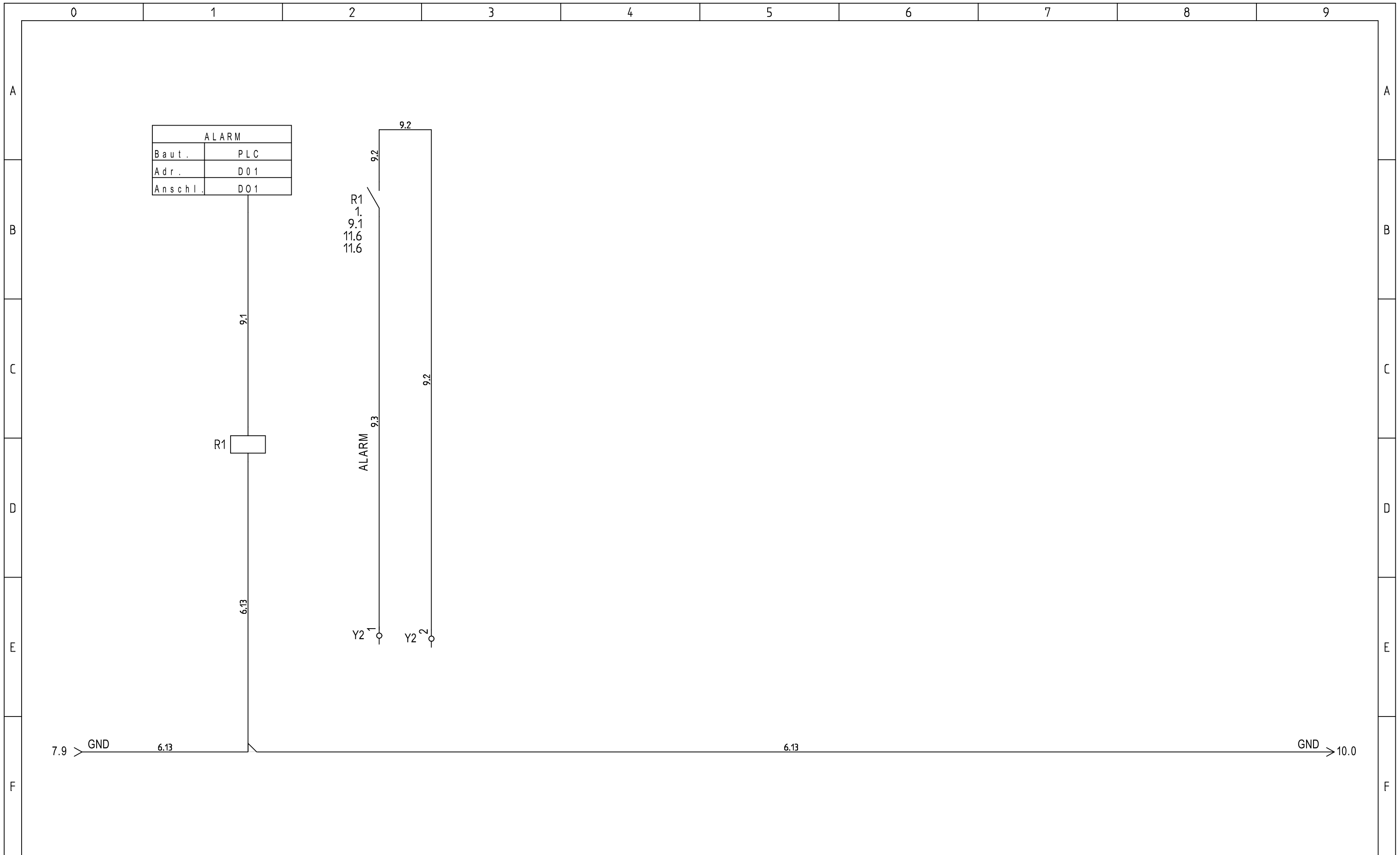
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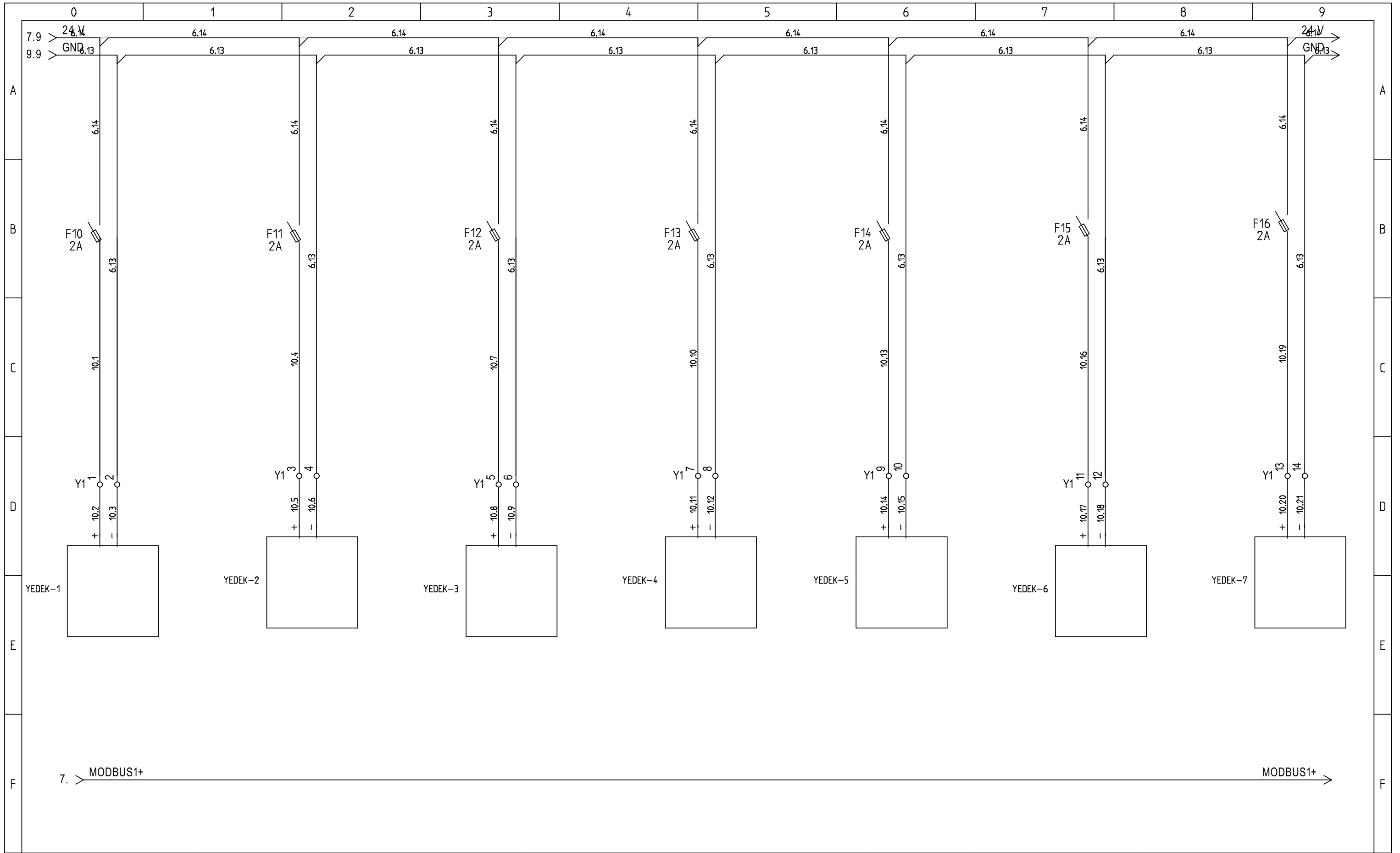
Onaylayan:
MELİH CAN ÖZTÜRK

Toplam Sayfa:
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Sayfa:
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Sonraki Sayfa:
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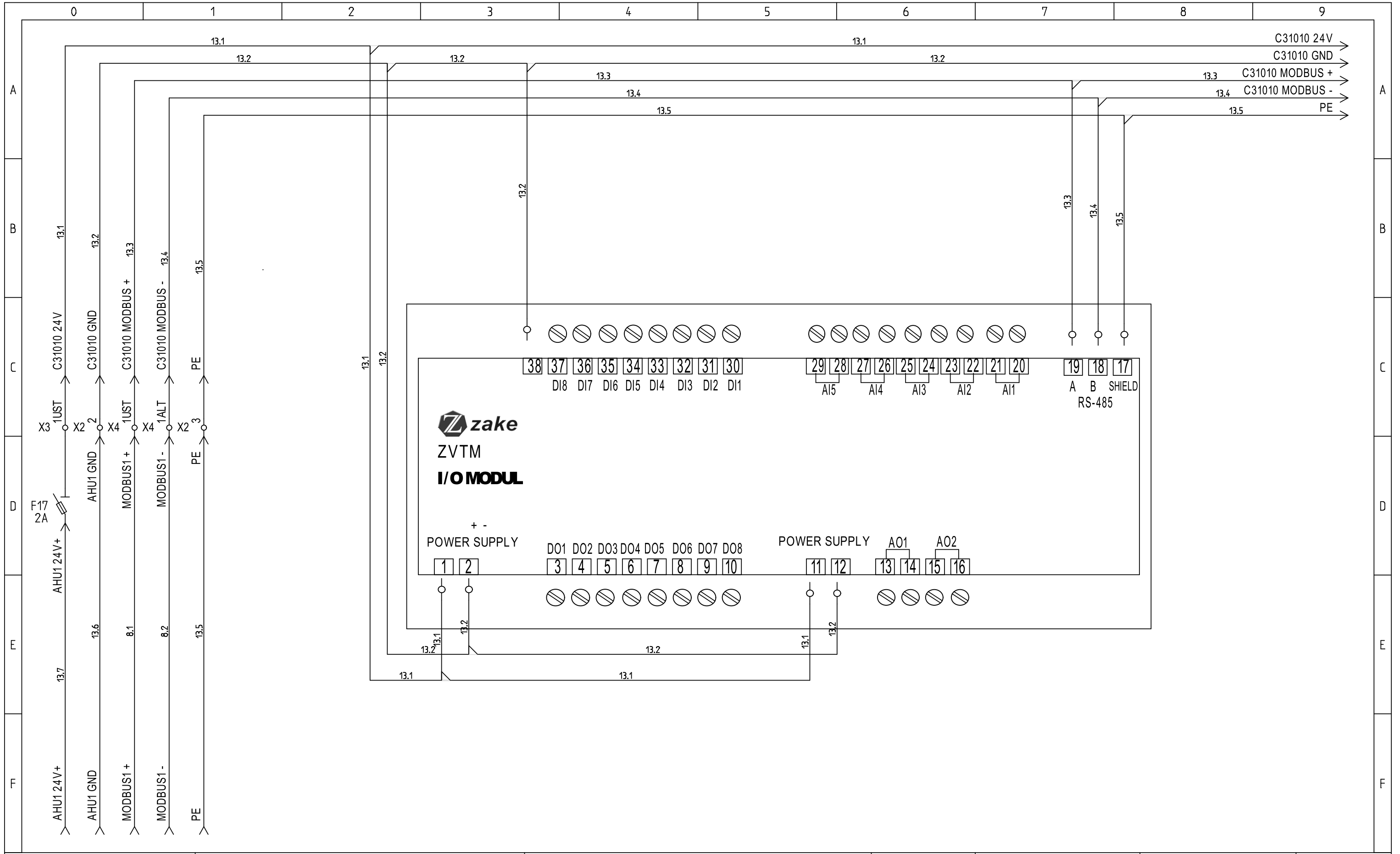
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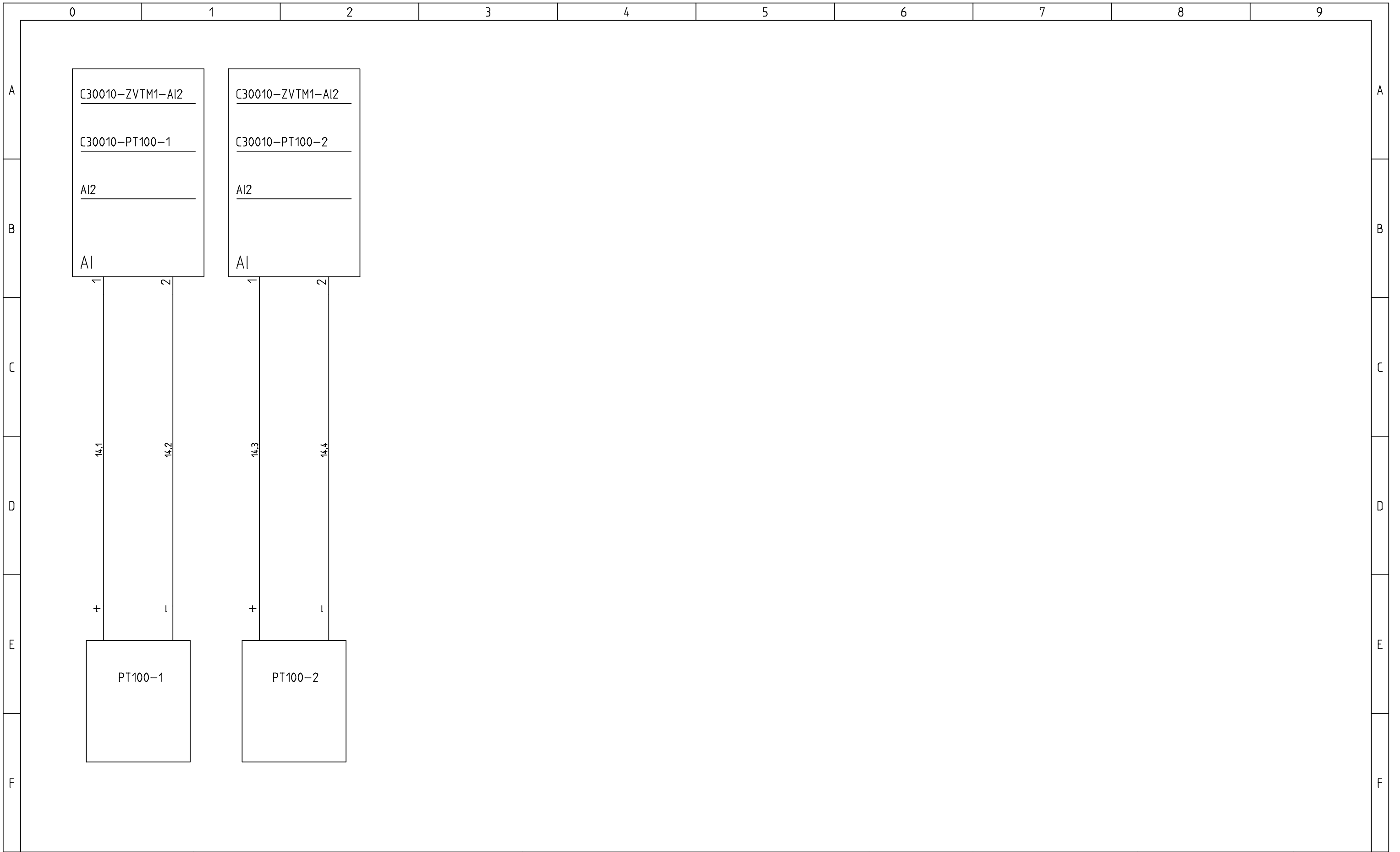
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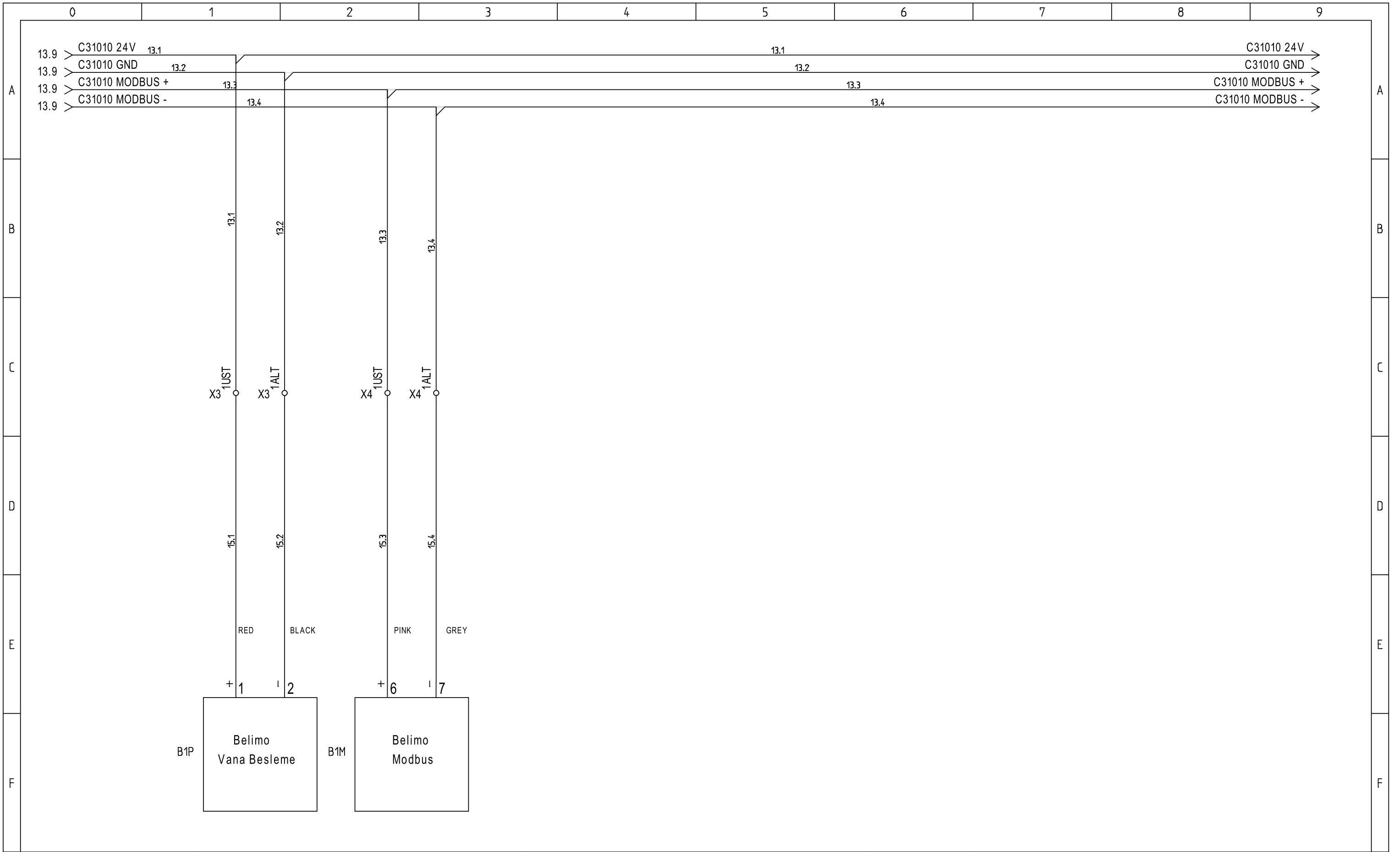
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	Modifications Since Previous Revision	M30 MASTER TERMINAL LISTS	Document Number:	Sheet: 11 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date:	
Modification #2					10.03.2023	
Modification #3					Sheet Created by:	

COMMUNICATION BOX AHU-1
C31010







C31010 AHU-01

Proje:
M31 KULE1_R01

Tarih:
8.03.2023

Proje Çizen:
SEMİH SOY

Rev:

Proje Id:

Onaylayan:
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Toplam Sayfa:
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Sayfa:
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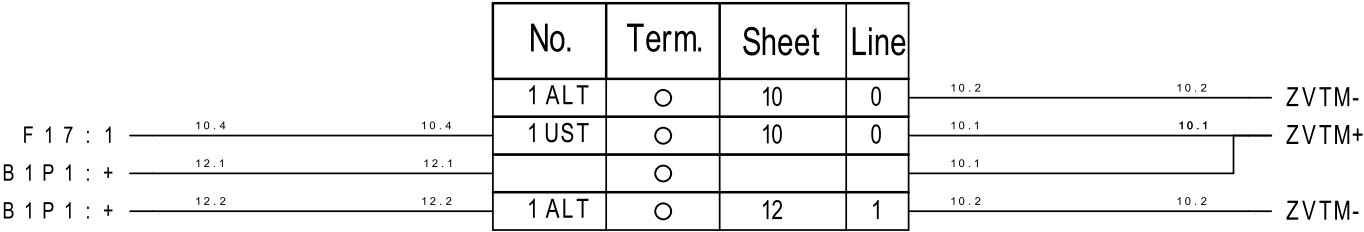
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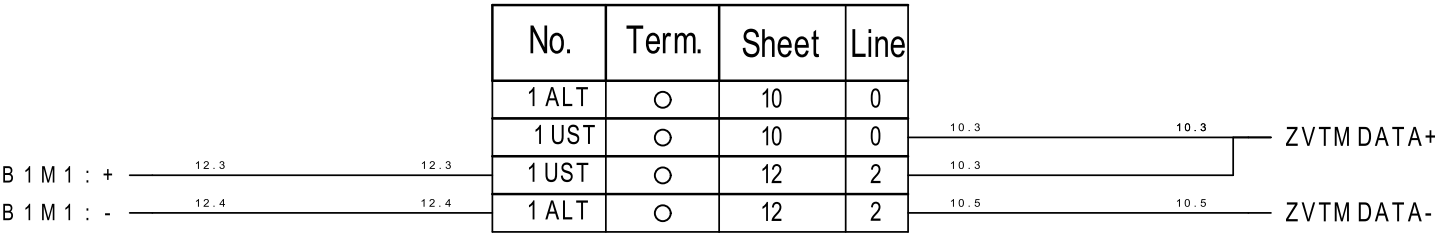
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Modification #1					Cre. Date: 8.03.2023	
Modification #2					Sheet Created by:	
Modification #3						

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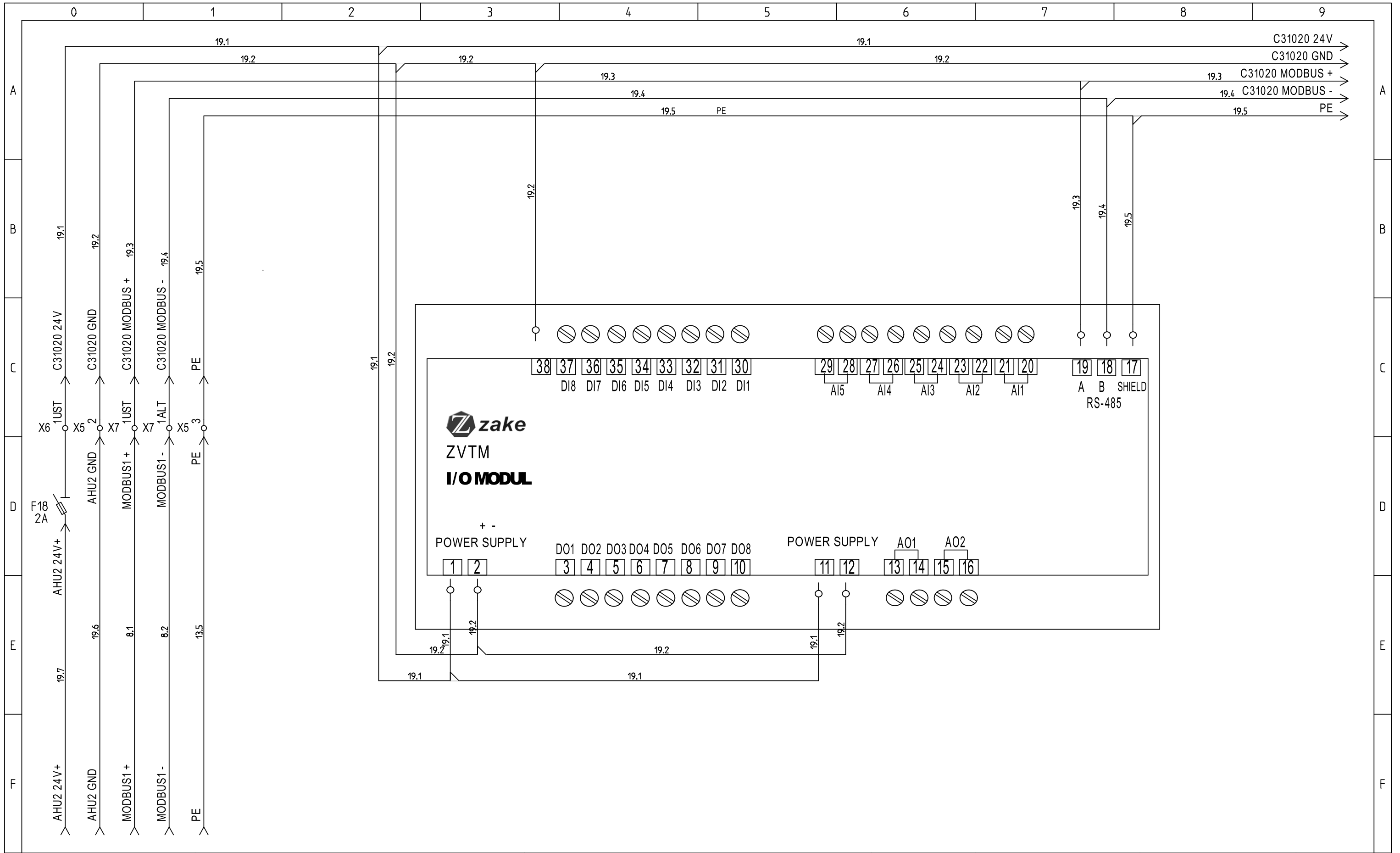


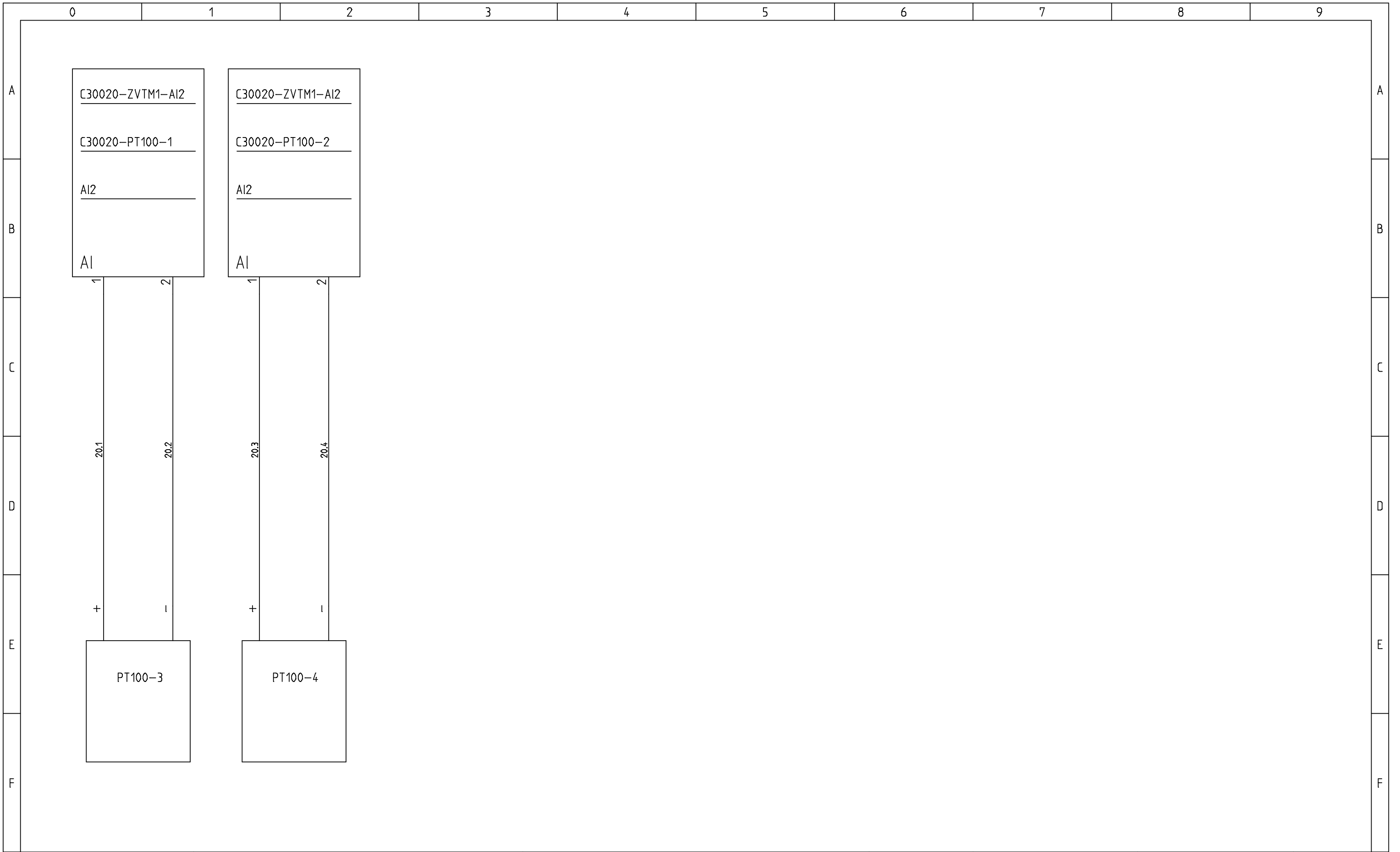
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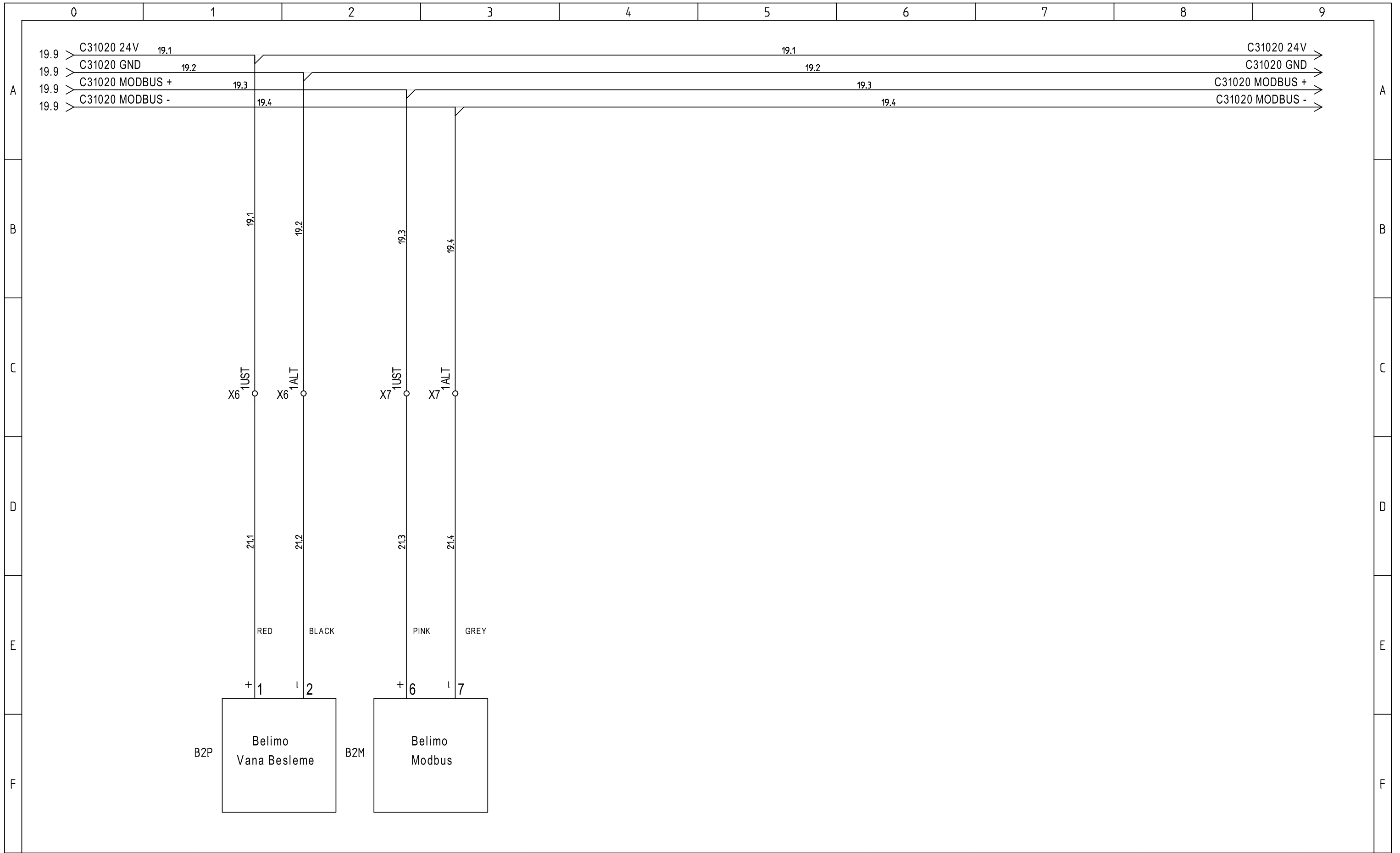


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Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-2
C31020

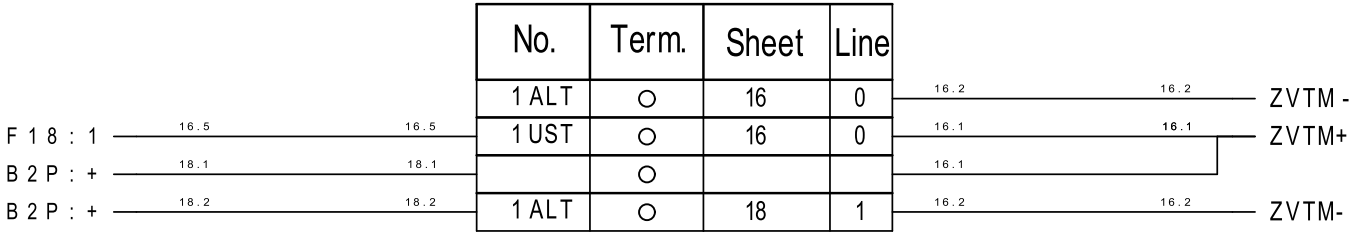




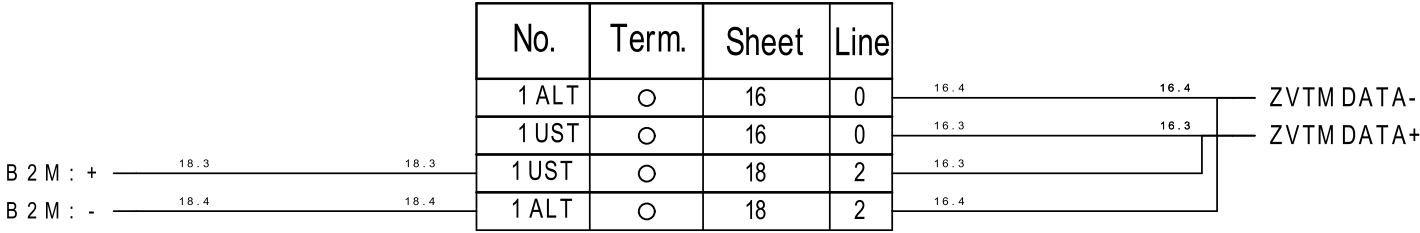


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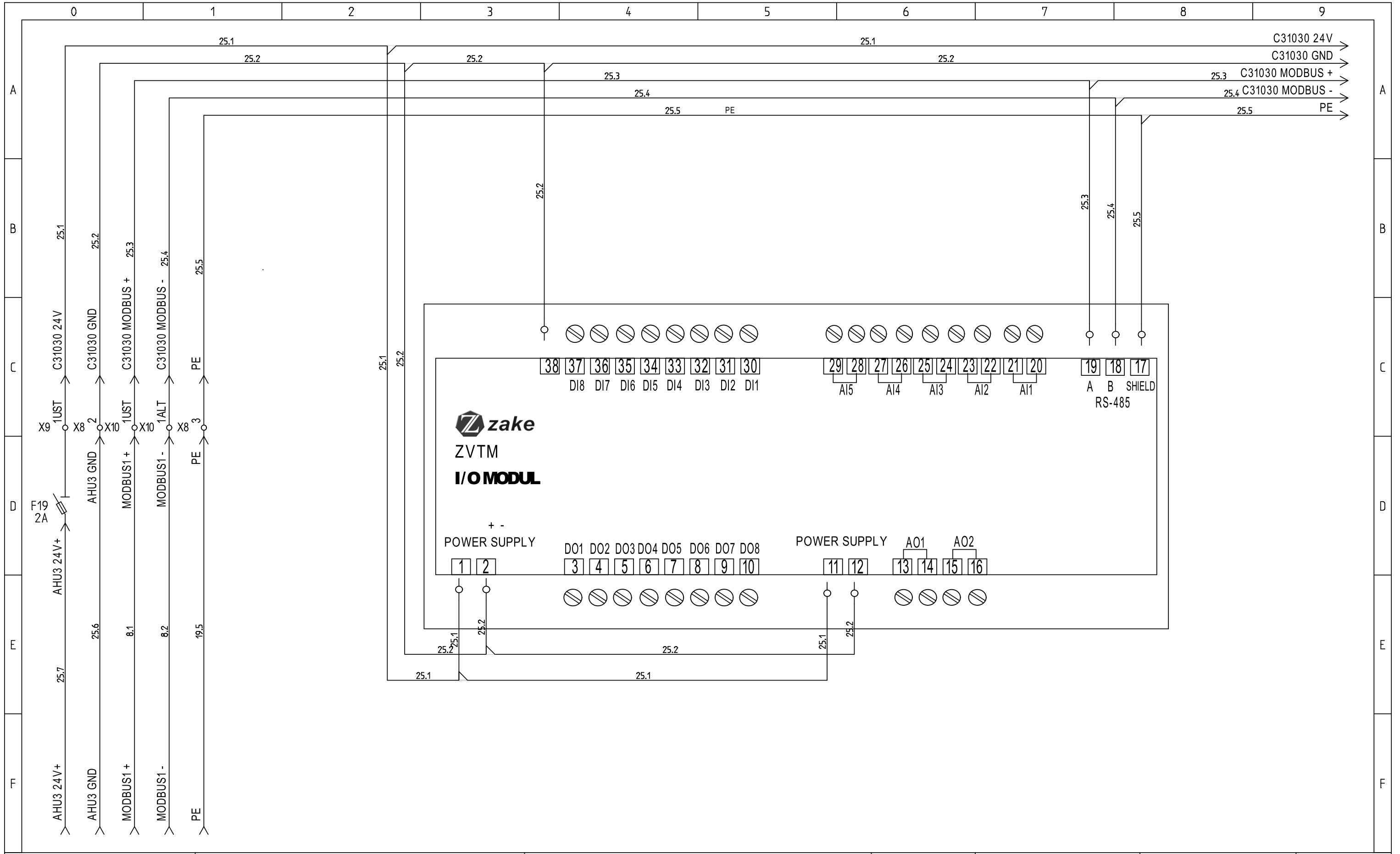


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	Modifications Since Previous Revision	C30020 C31020 TERMINAL LISTS	Document Number:	Sheet: 23 of 86	Rev. Date:	Rev.:
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Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-3
C31030



C31030 AHU-3

Proje:
M31 KULE1_R01

Tarih:
8.03.2023

Proje Çizen:
SEMİH SOY

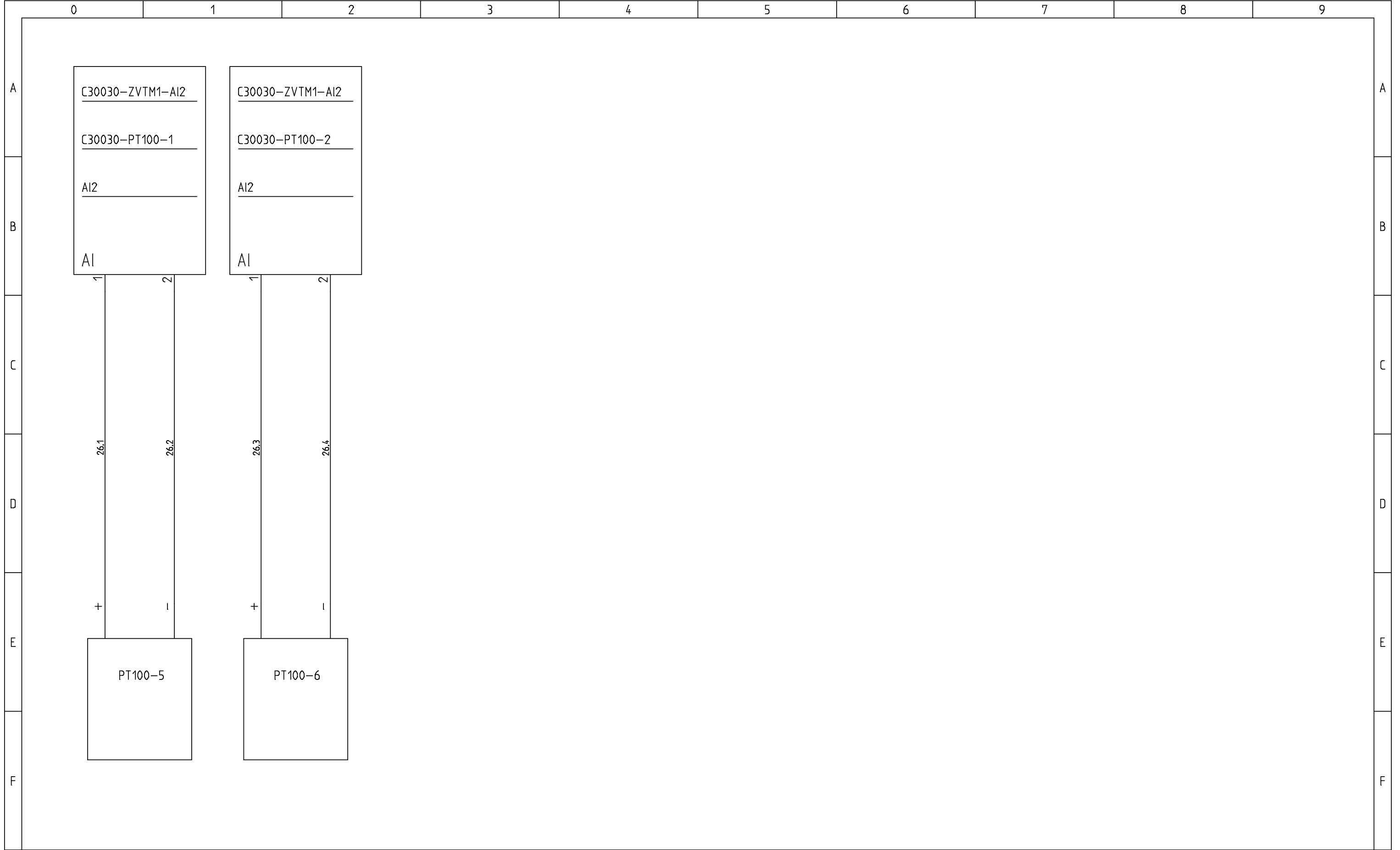
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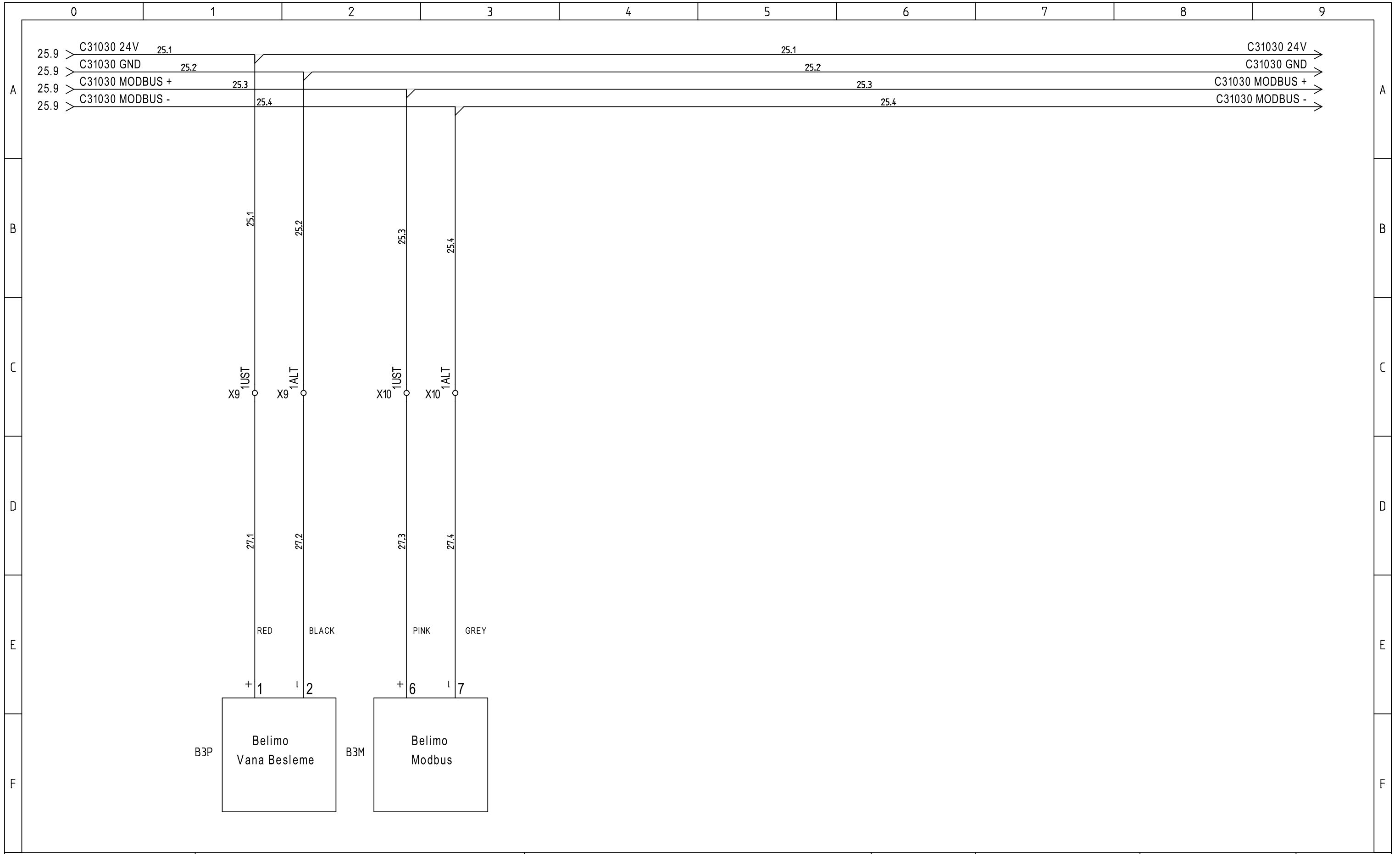
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Toplam Sayfa:
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Sayfa:
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Sonraki Sayfa:
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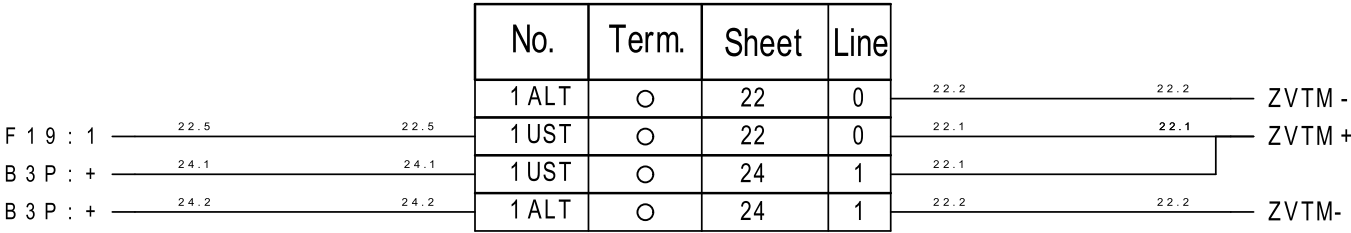


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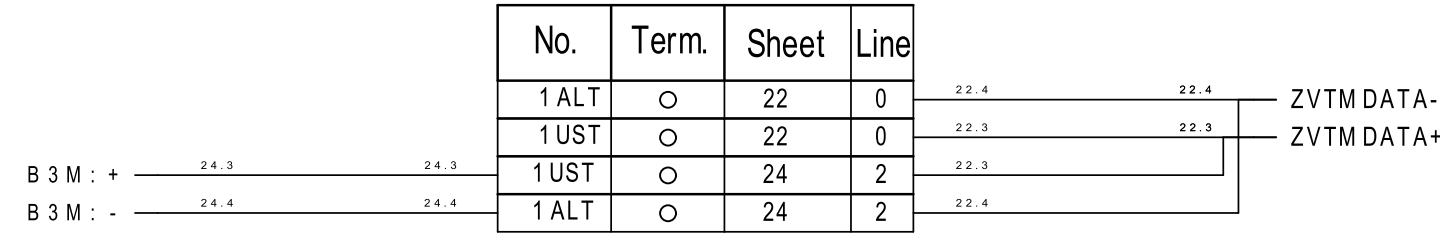
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Modification #2				Sheet Created by:		
Modification #3						

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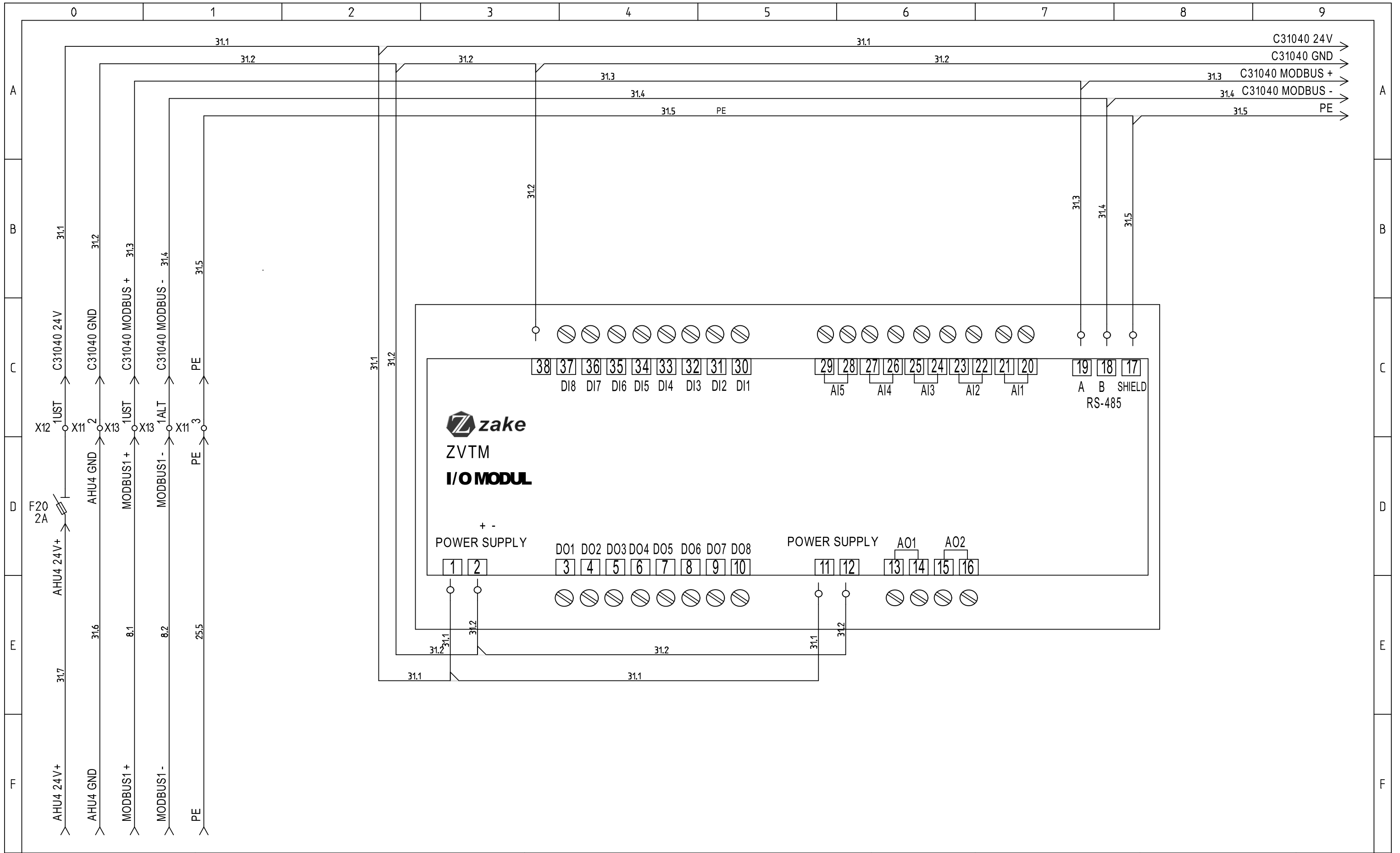


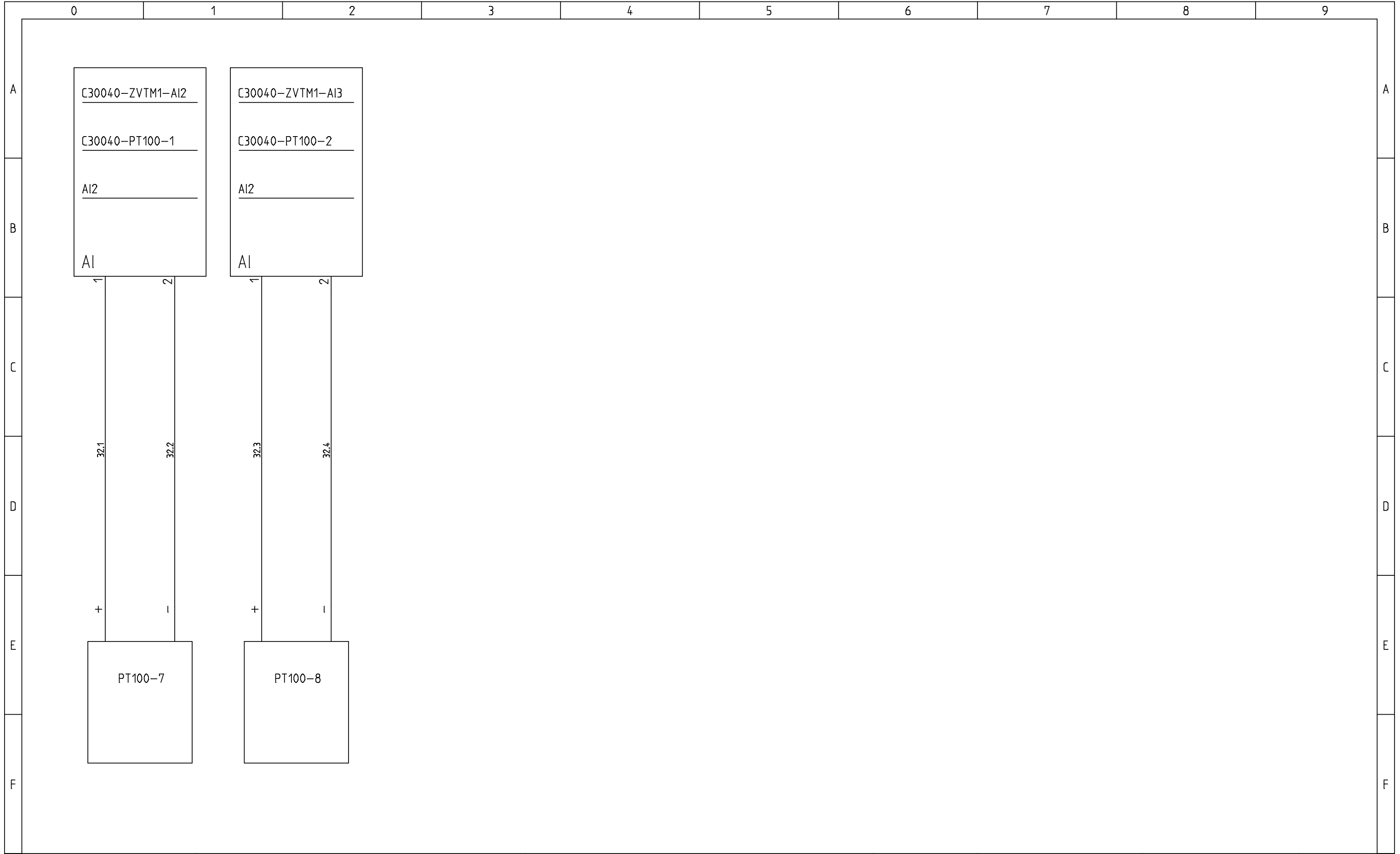
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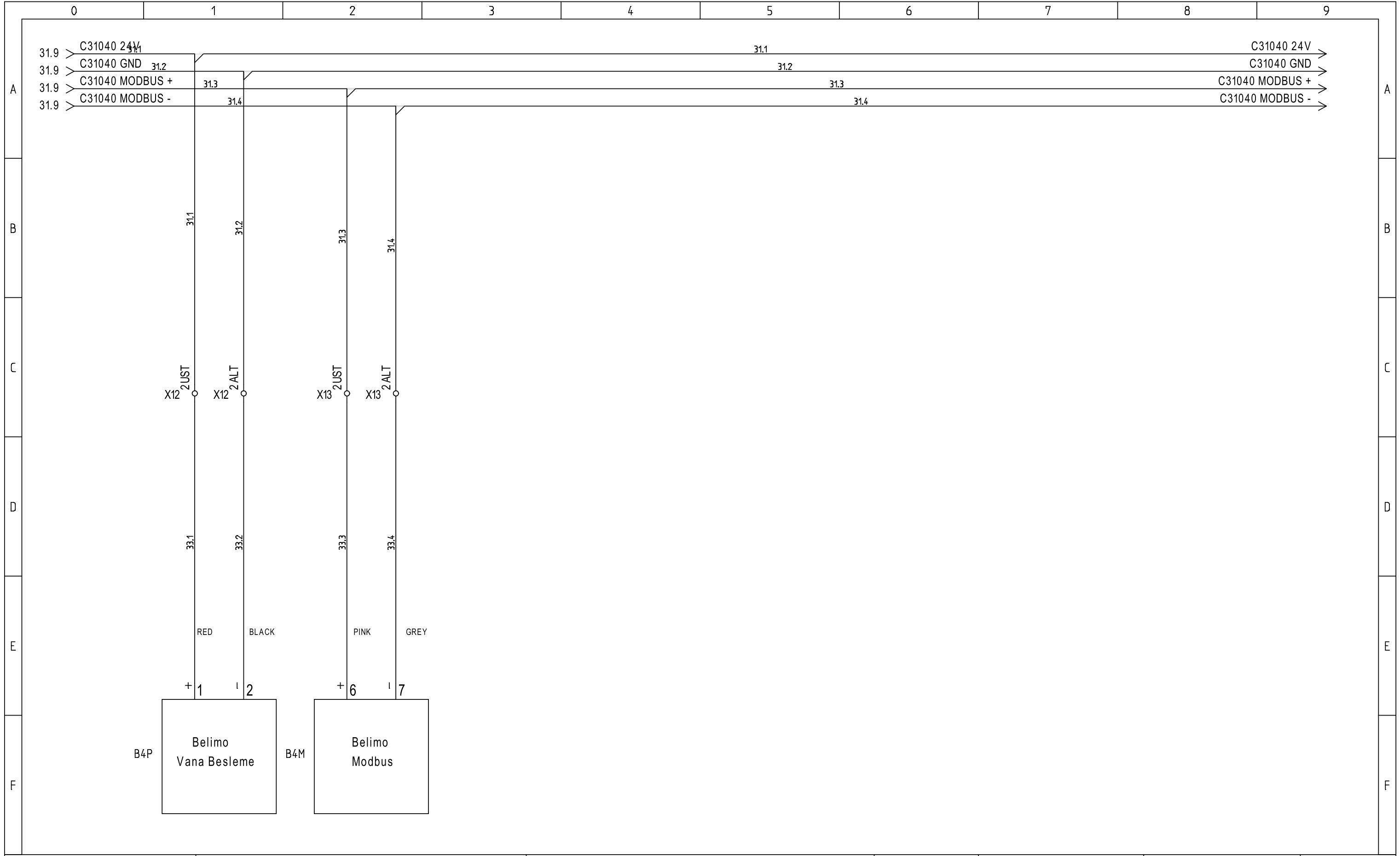


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Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-4
C31040



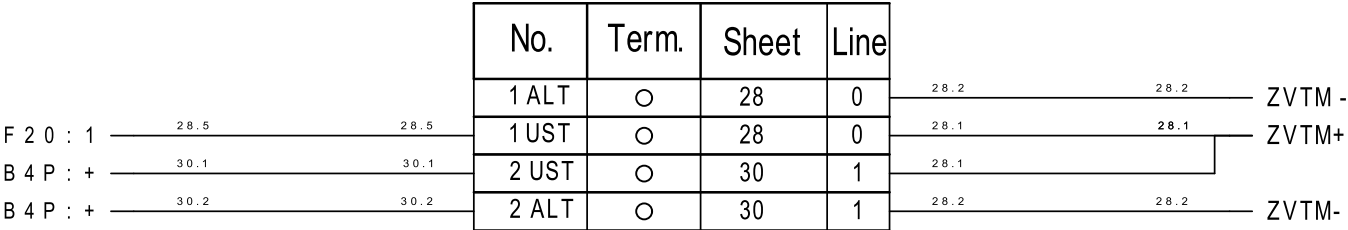




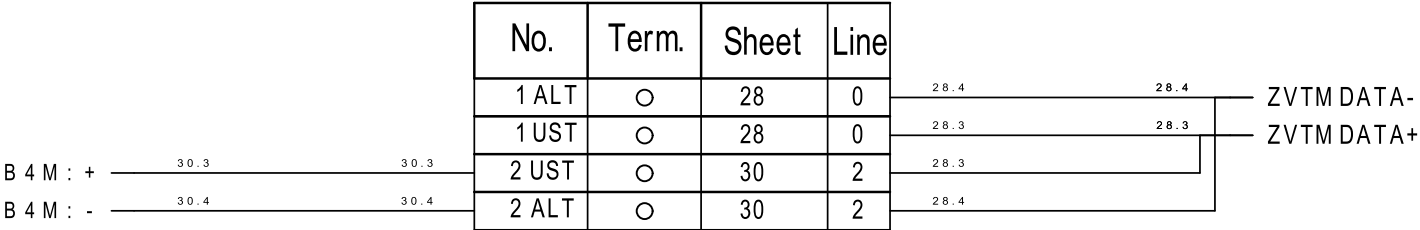
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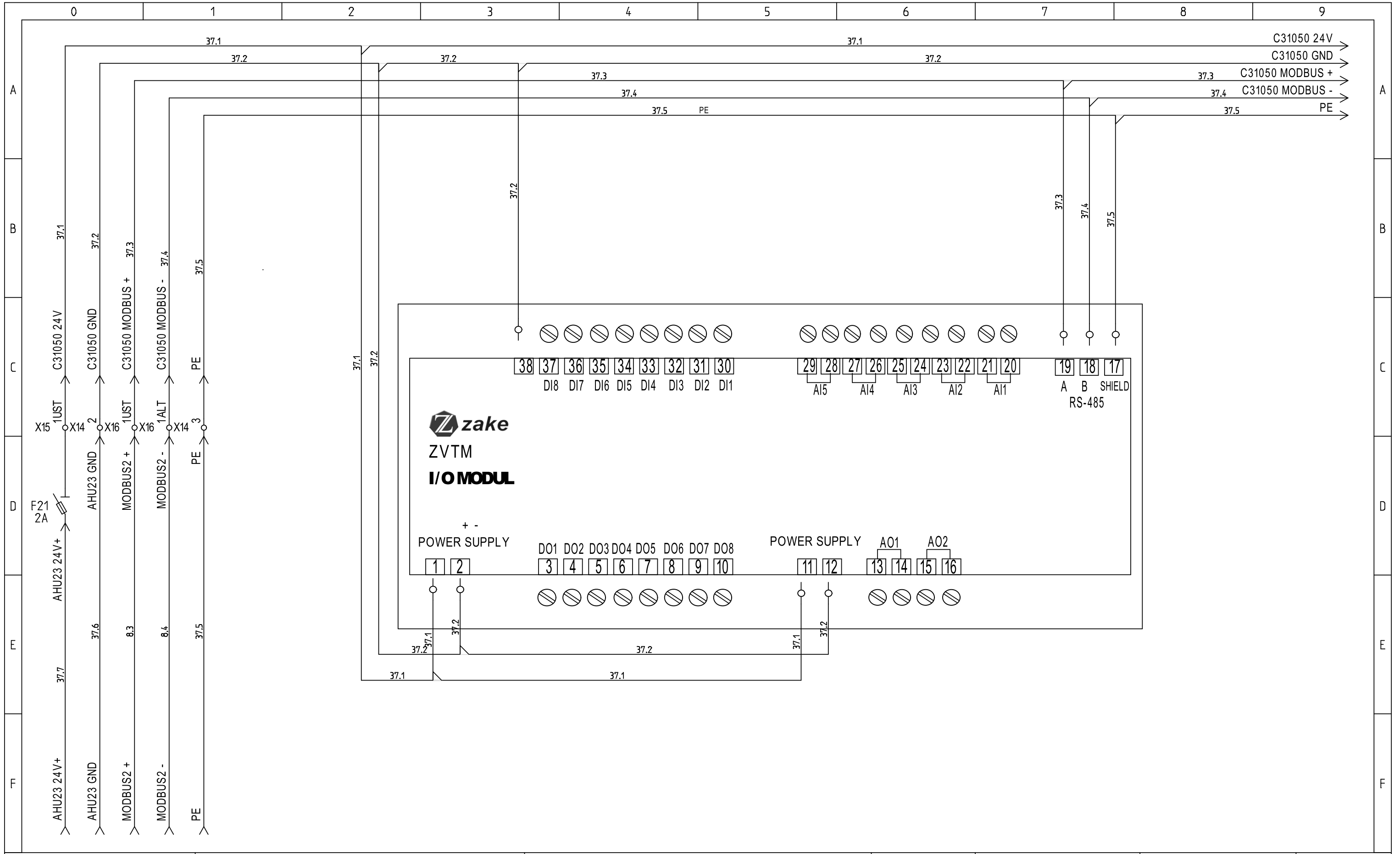
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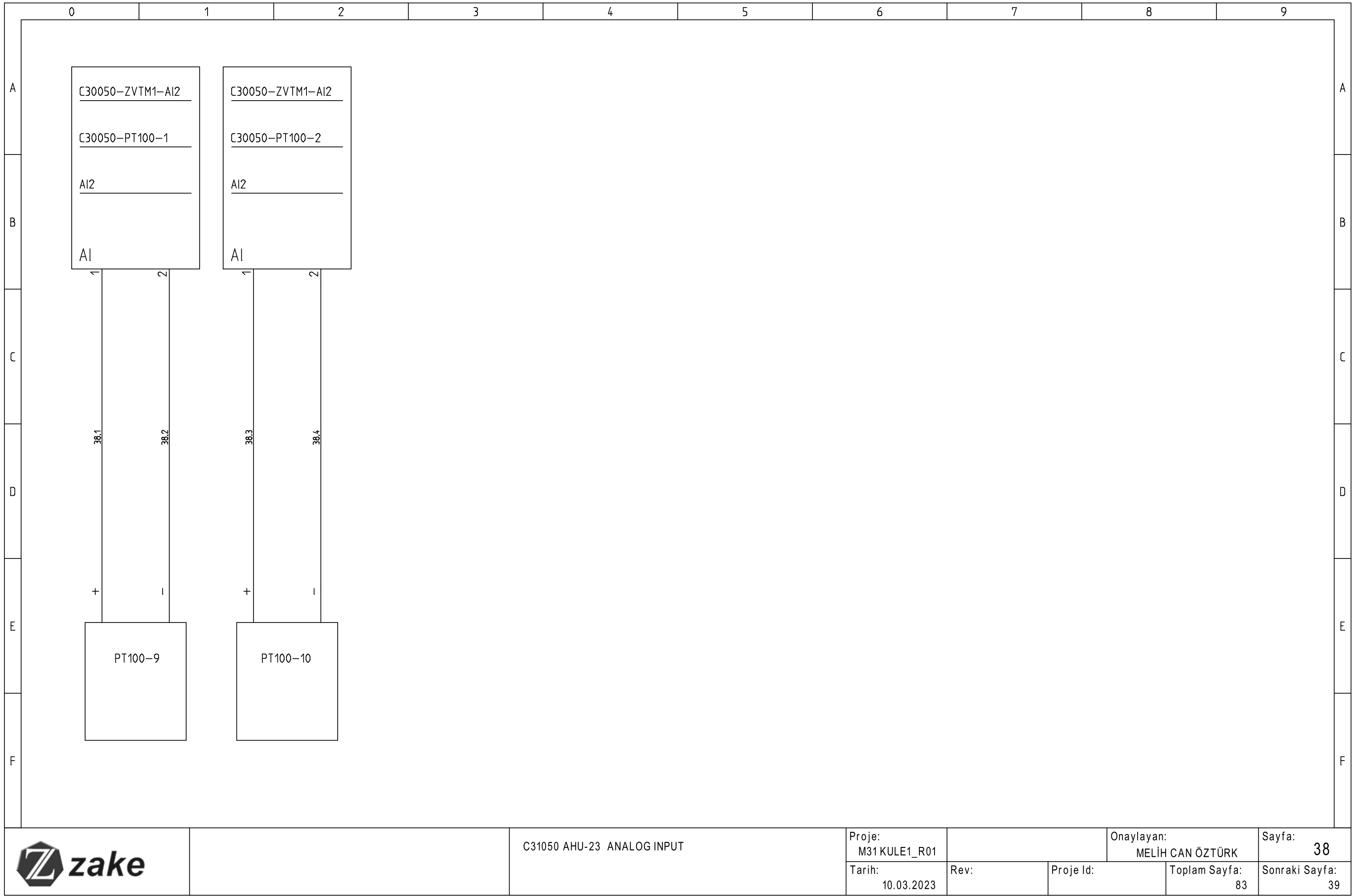


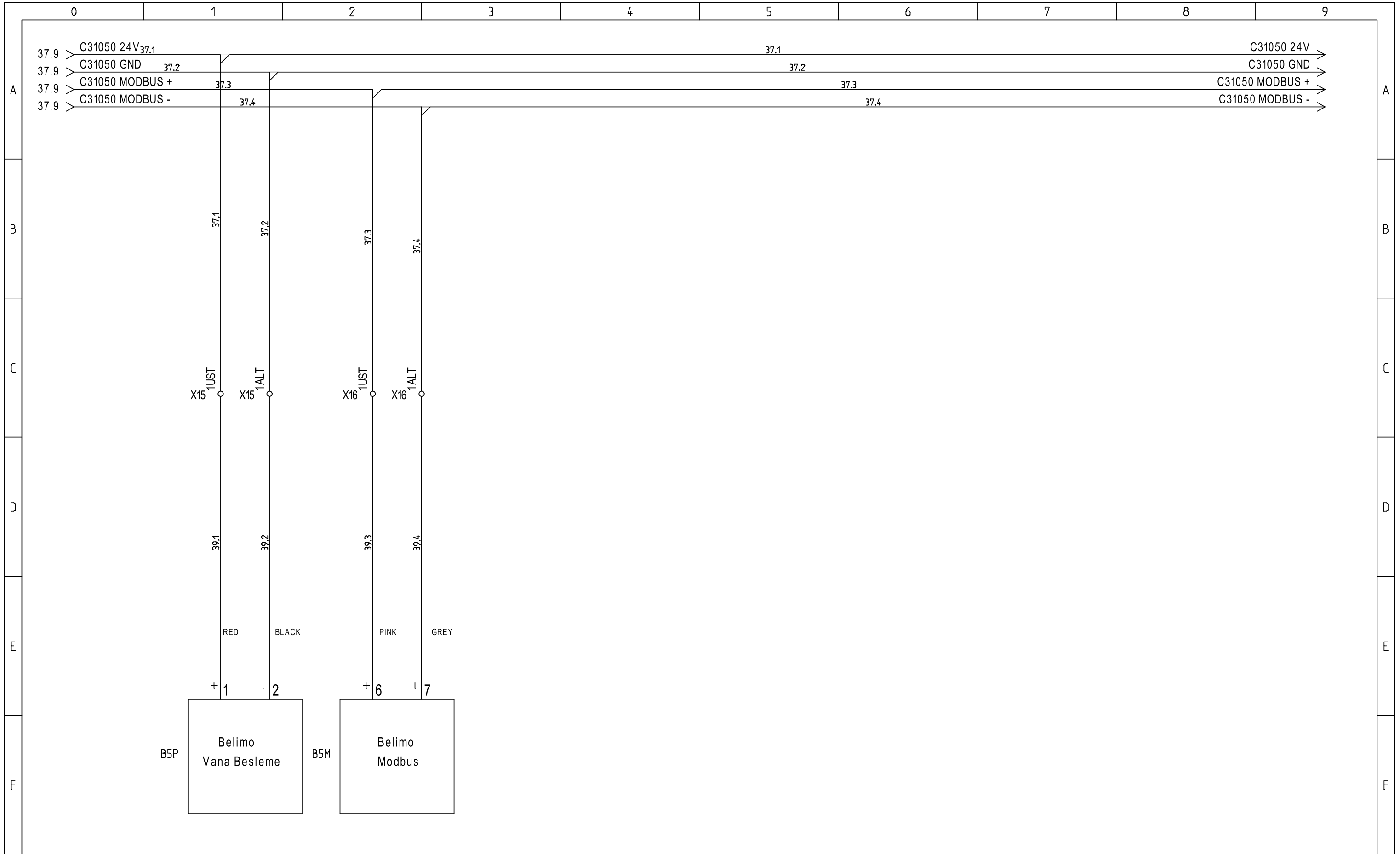
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COMMUNICATION BOX AHU-23
C31050



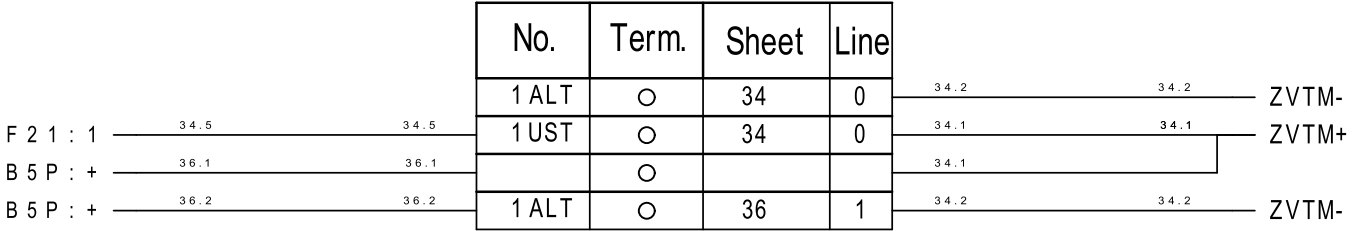




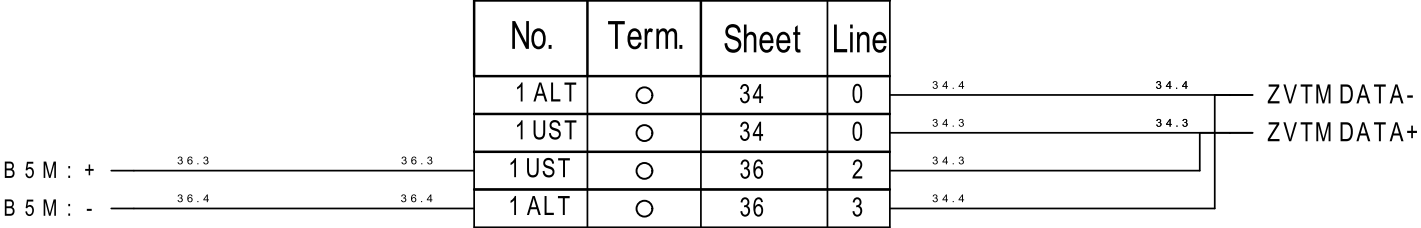
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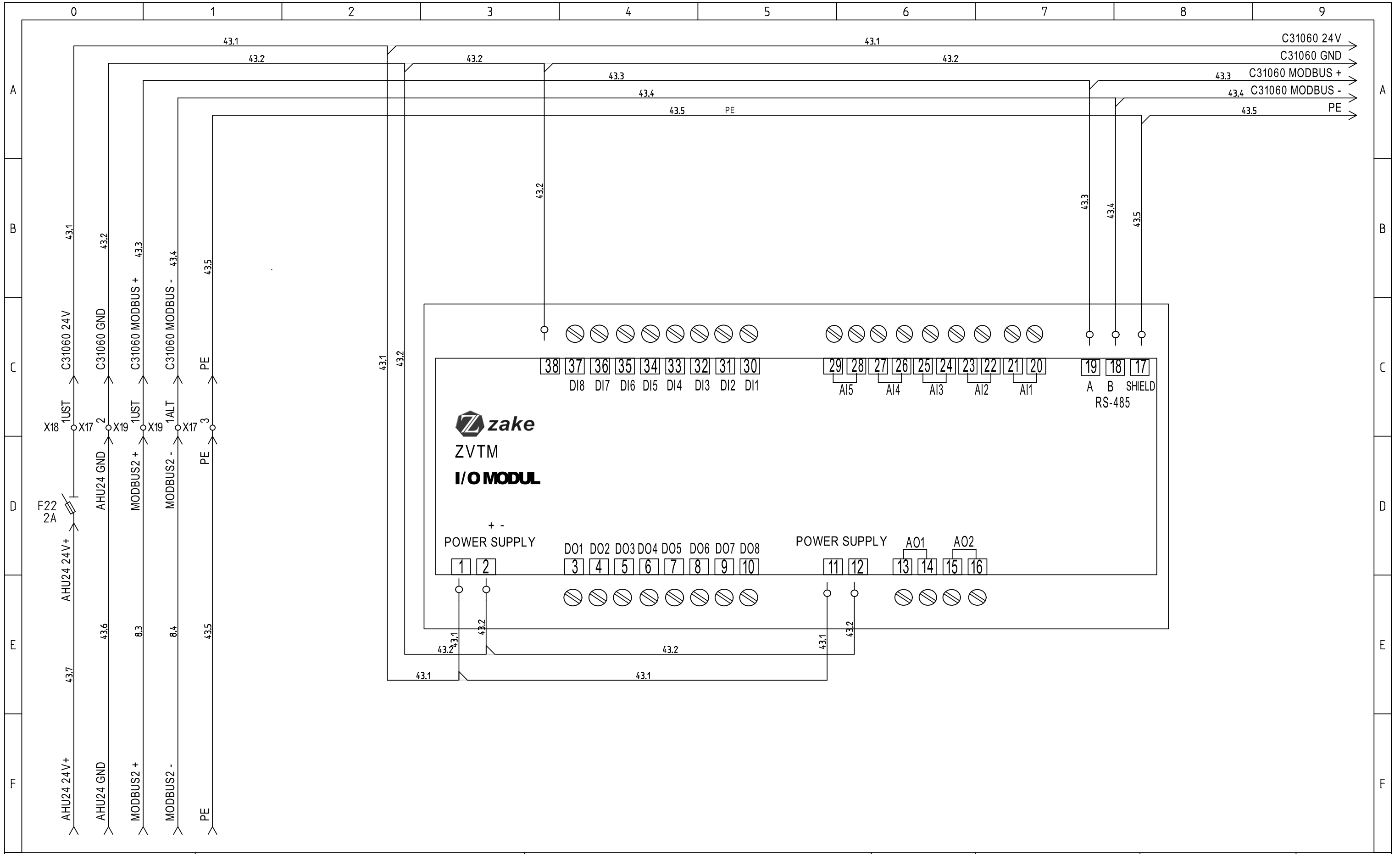


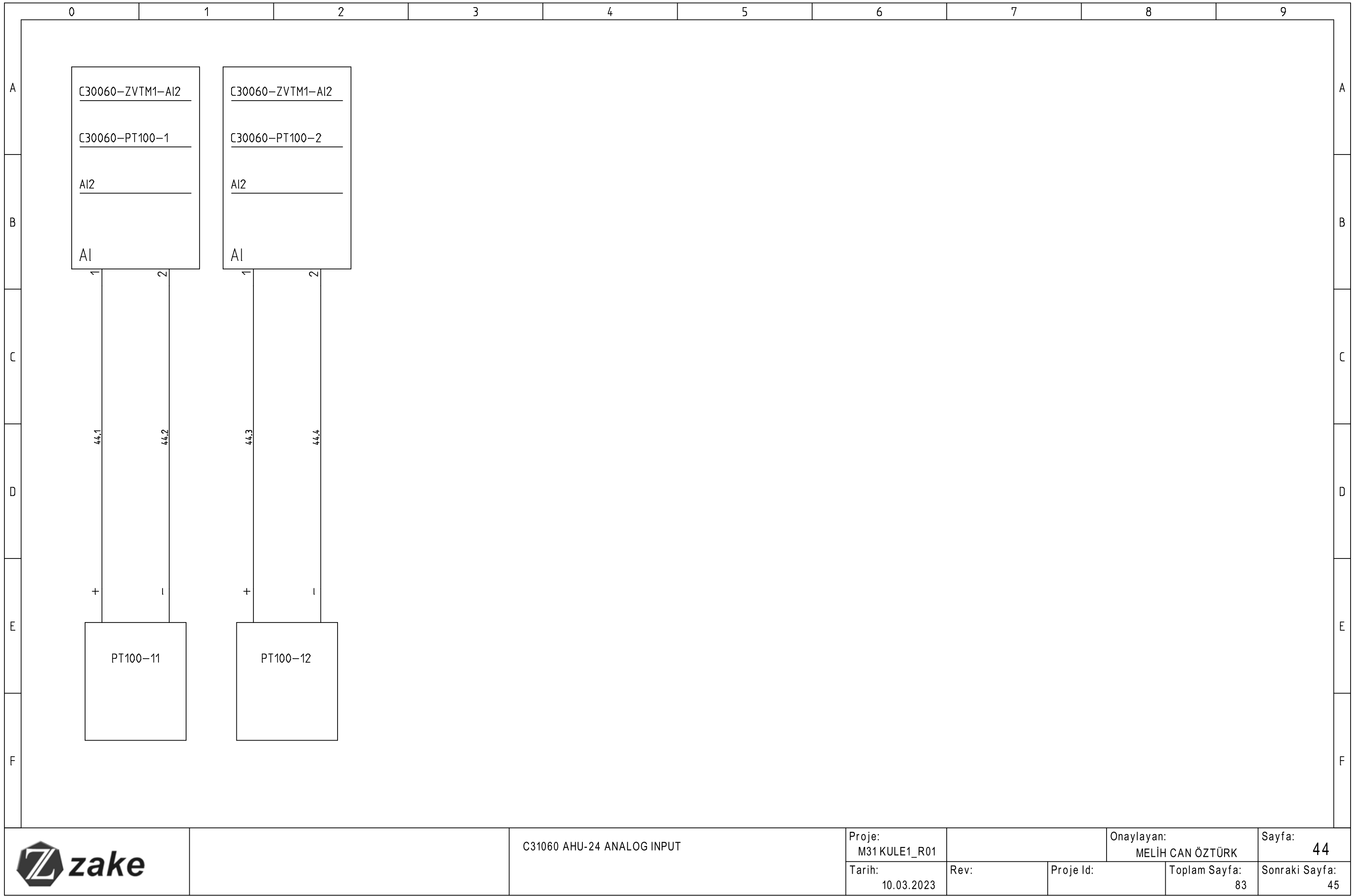
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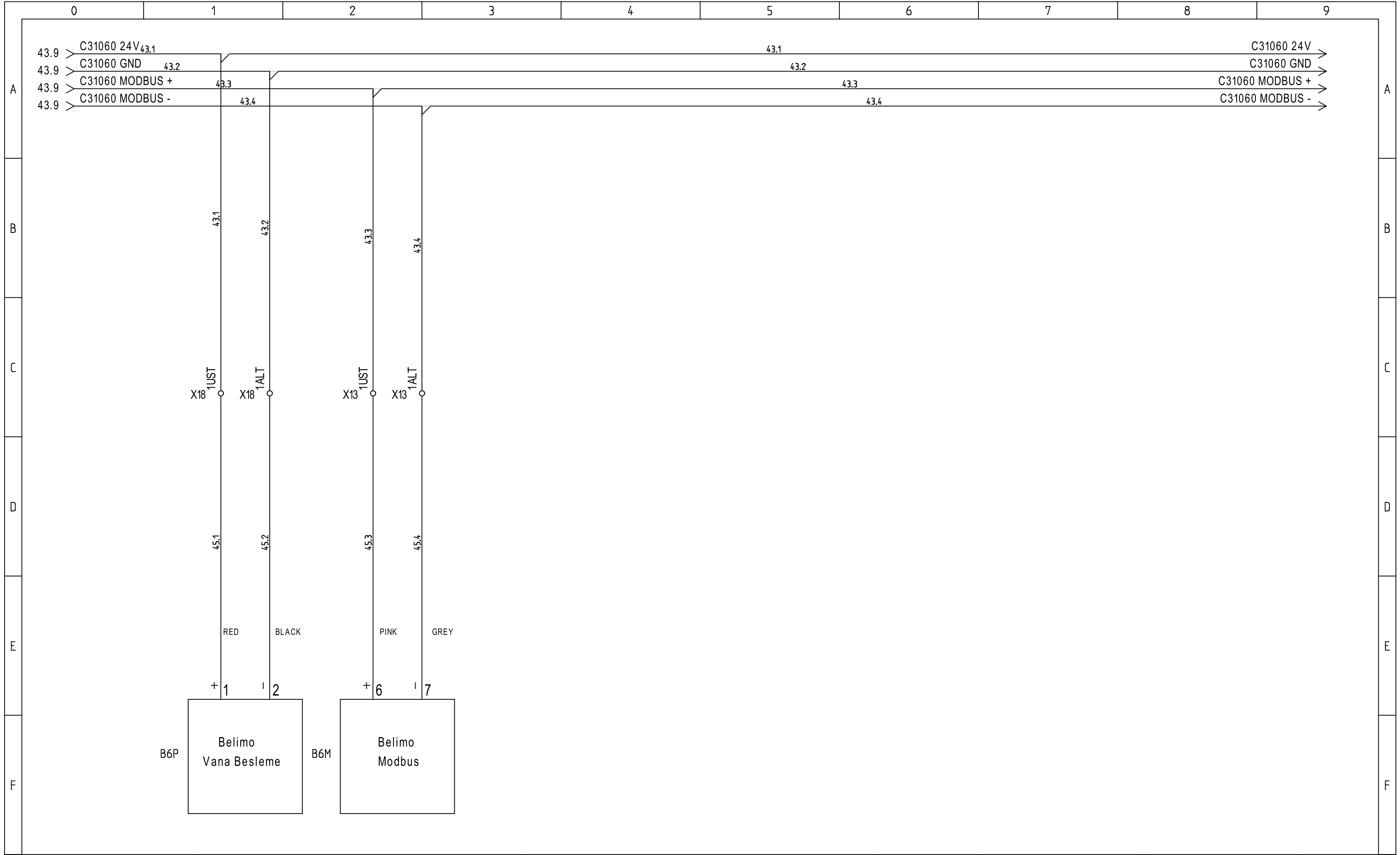


	Modifications Since Previous Revision	C30050 C31050 TERMINAL LISTS	Document Number:	Sheet: 41 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2						Sheet Created by:
Modification #3						

COMMUNICATION BOX AHU-24
C31060





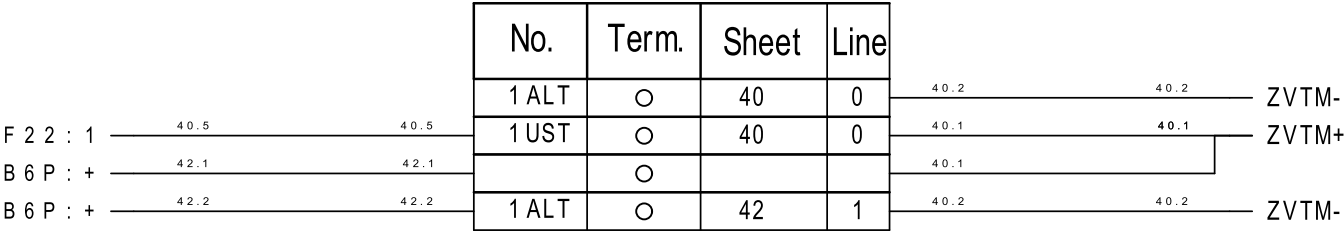


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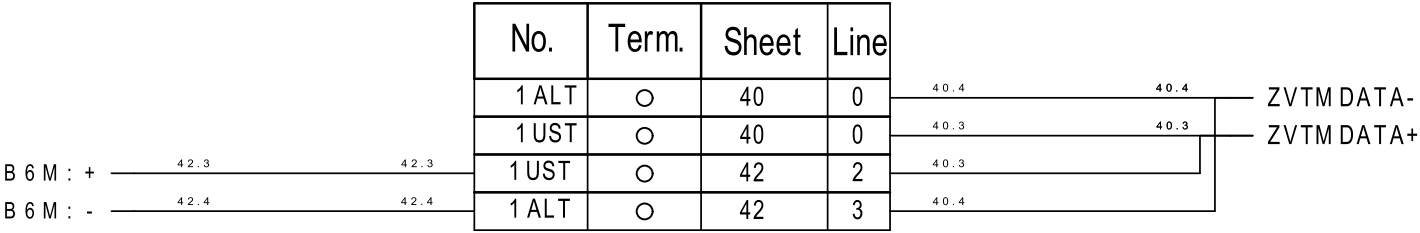
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Modification #1				Cre. Date:	8.03.2023	
Modification #2				Sheet Created by:		
Modification #3						

Terminal Strip

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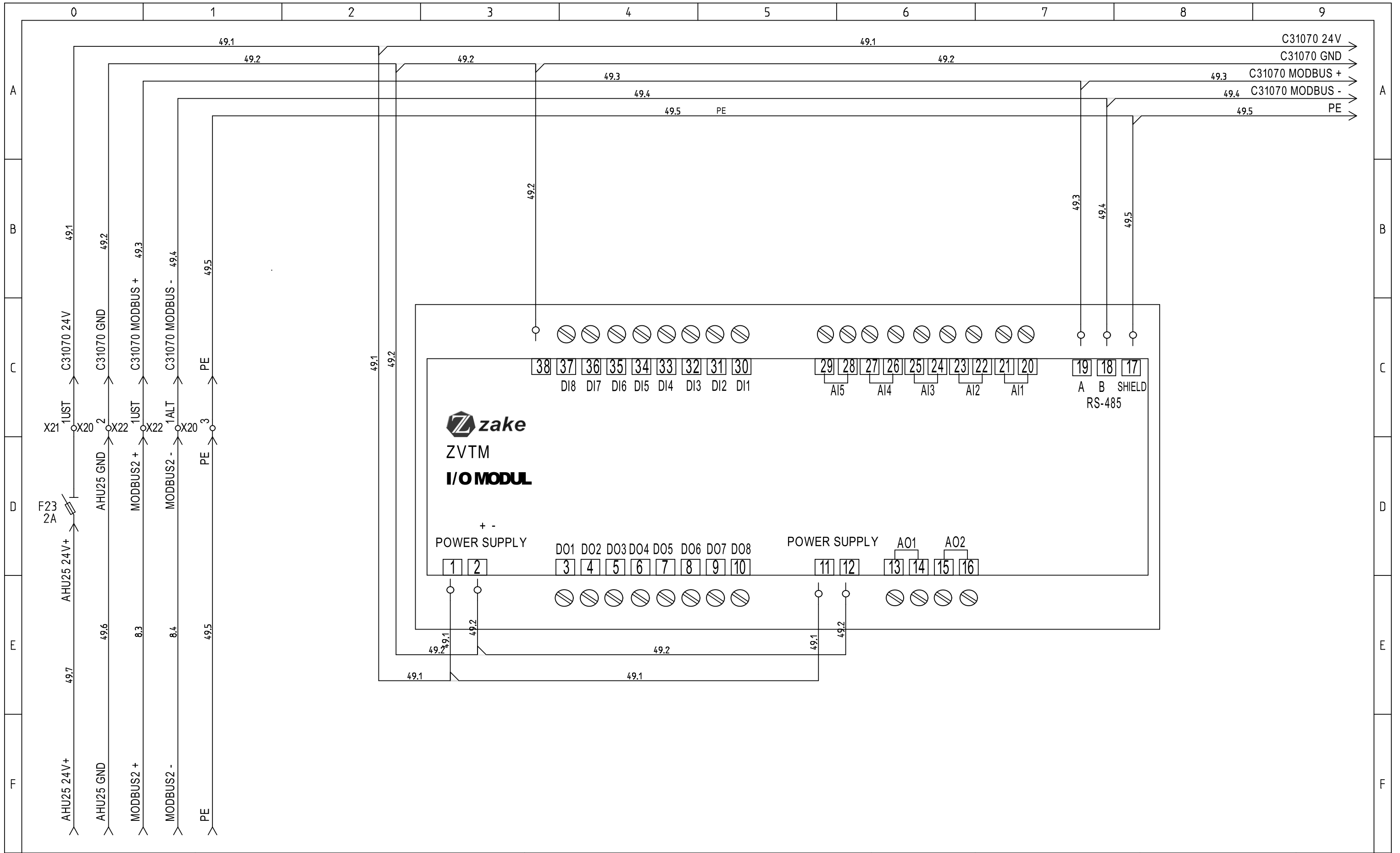


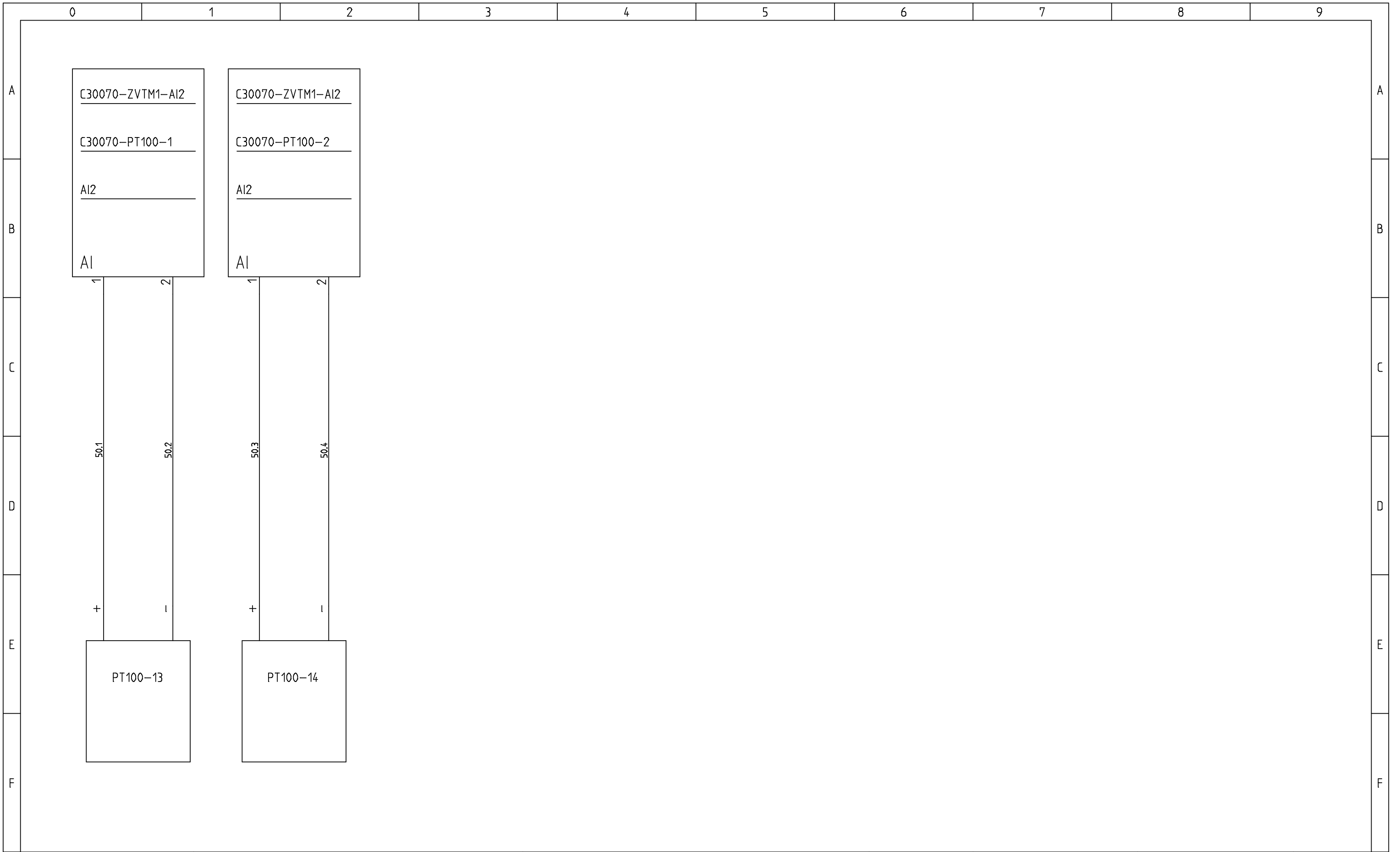
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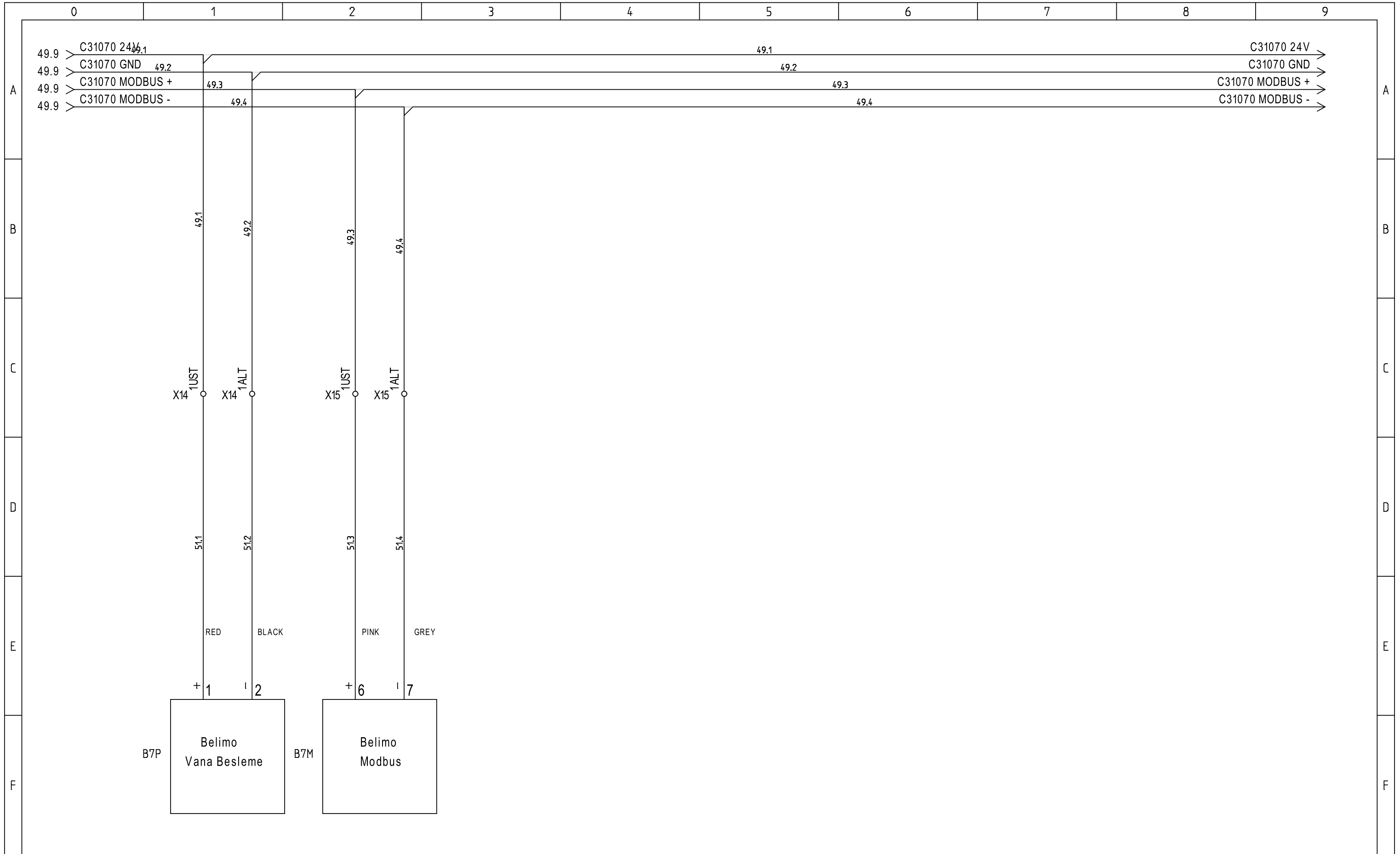


	Modifications Since Previous Revision	C30060 C31060 TERMINAL LISTS	Document Number:	Sheet: 47 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-25
C31070

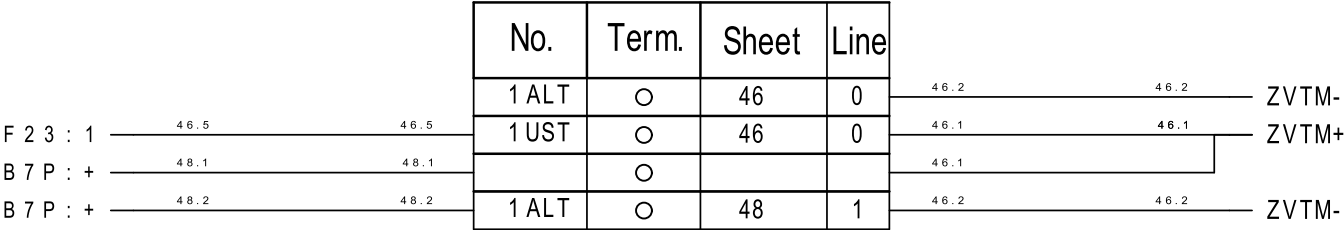




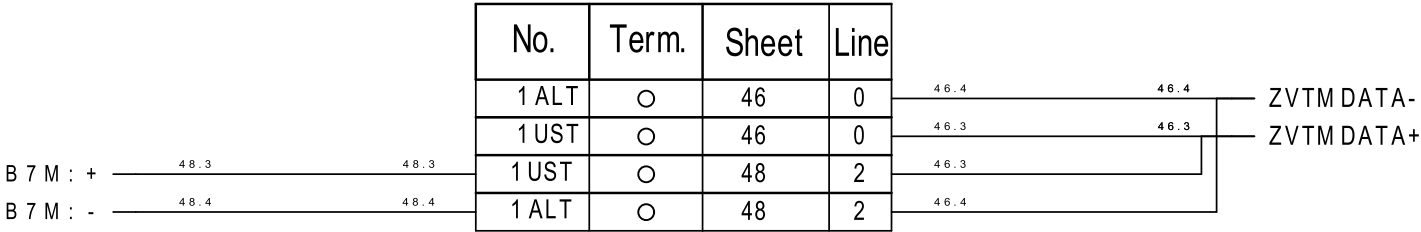


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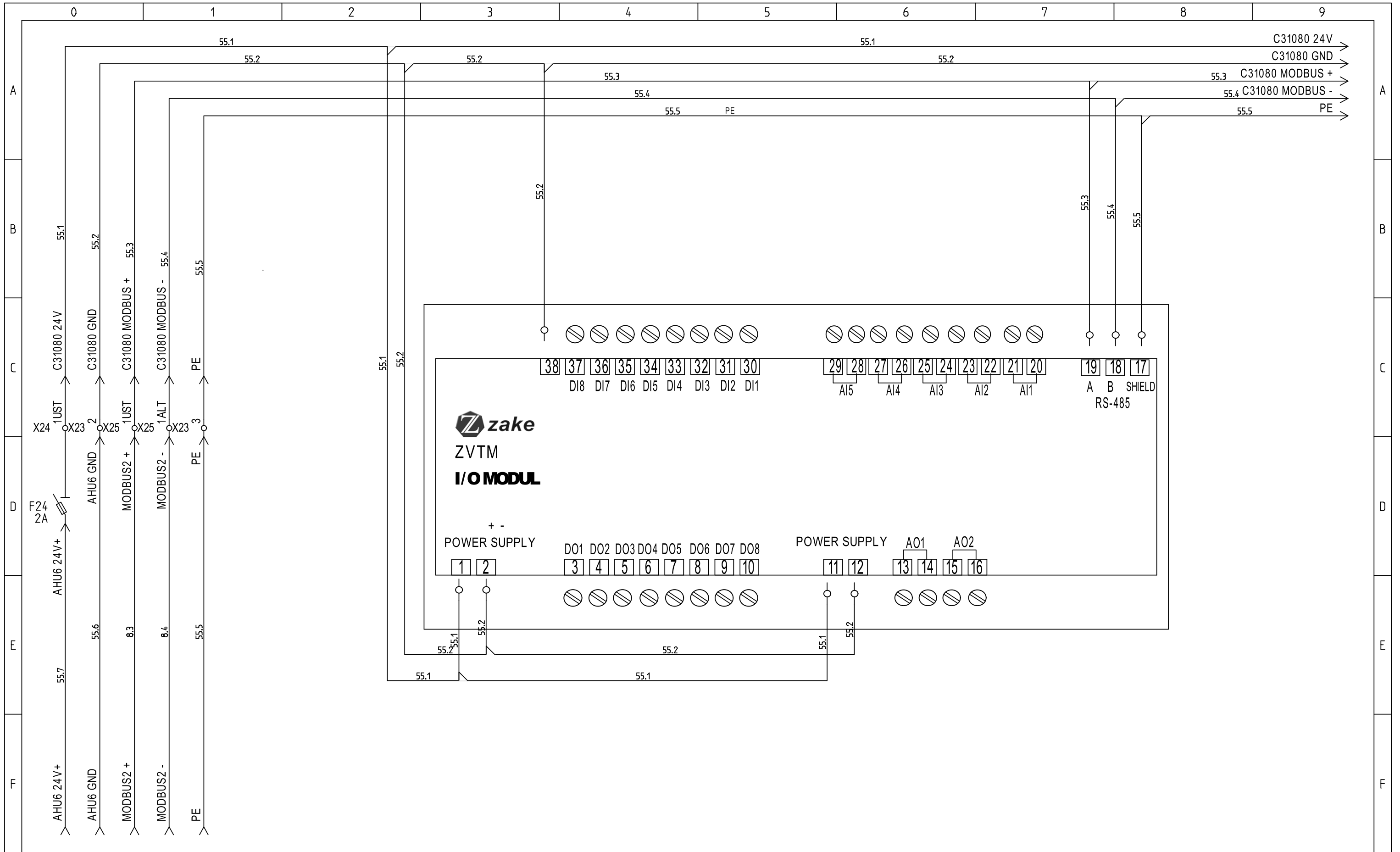


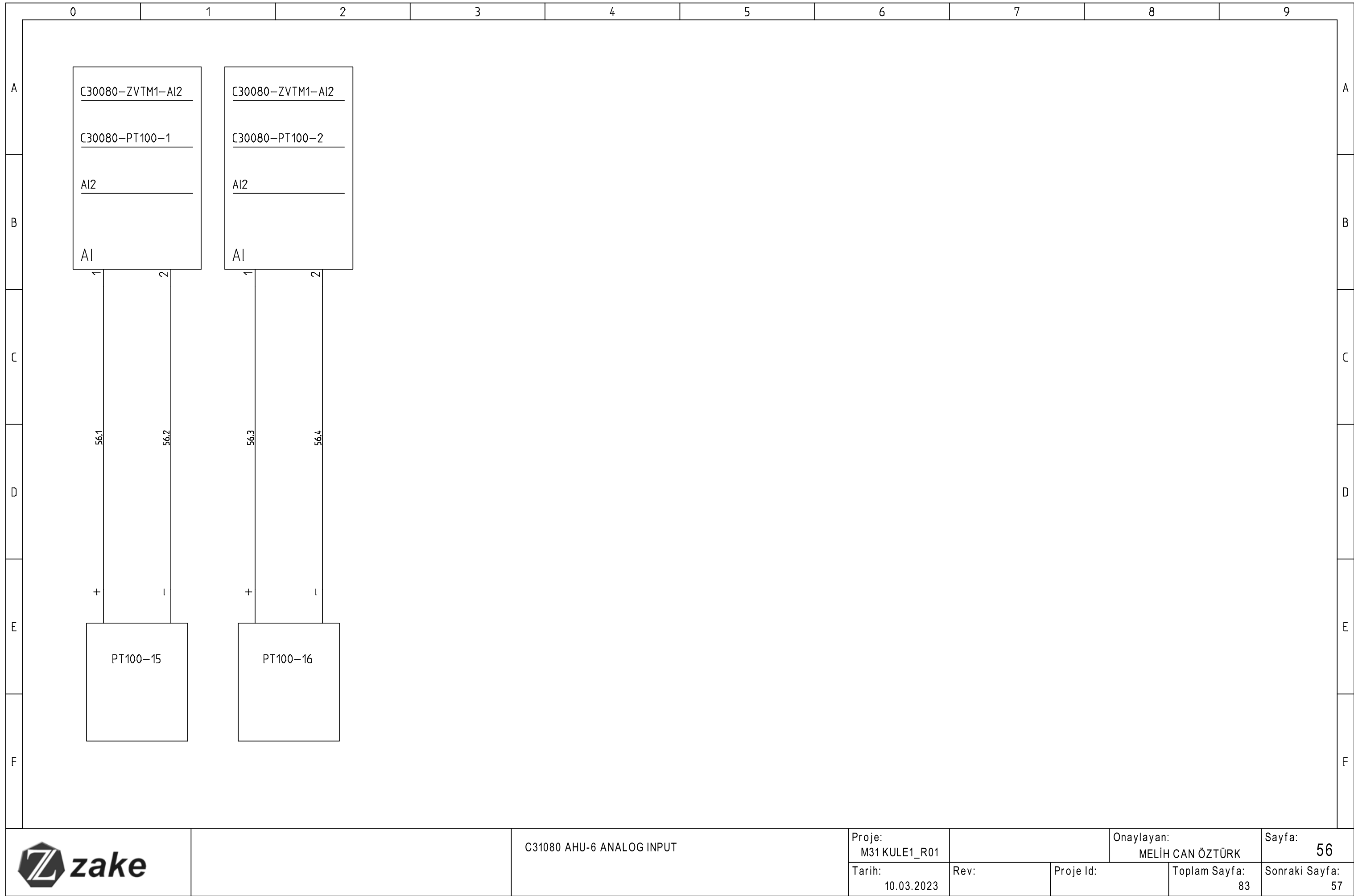
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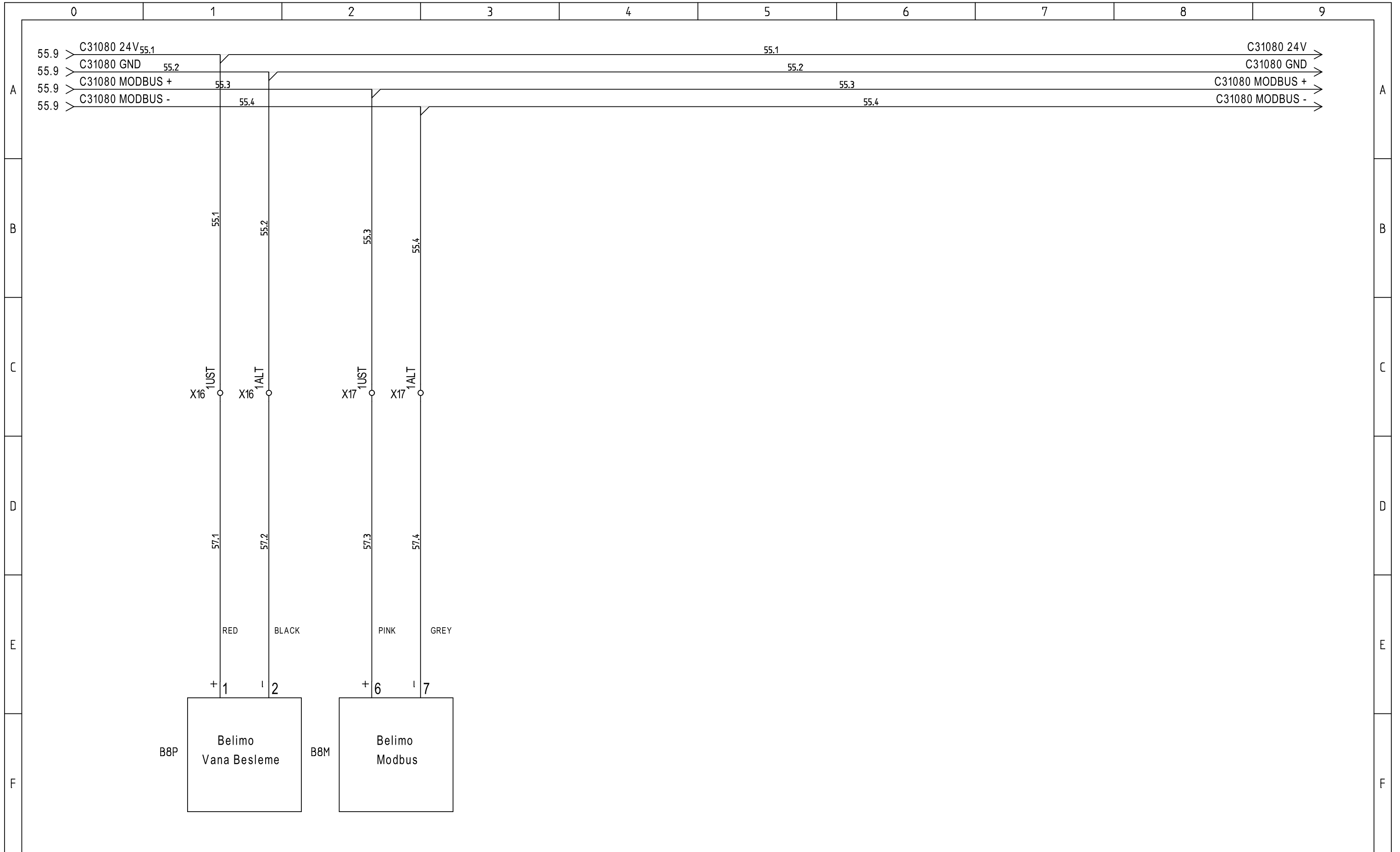


	Modifications Since Previous Revision	C30070 C31070 TERMINAL LISTS	Document Number:	Sheet: 53 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-6
C31080





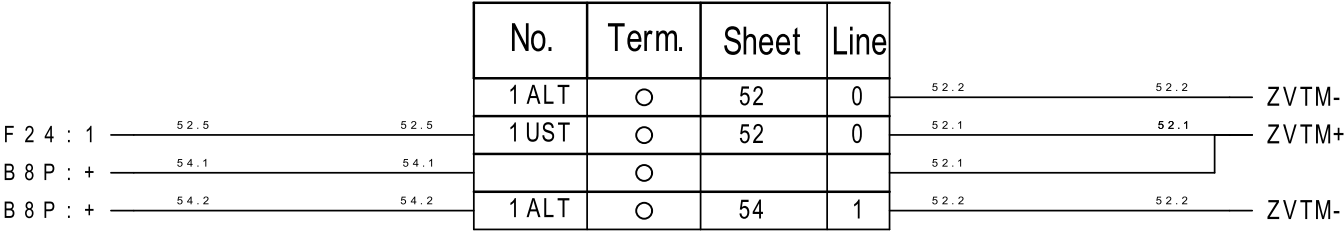


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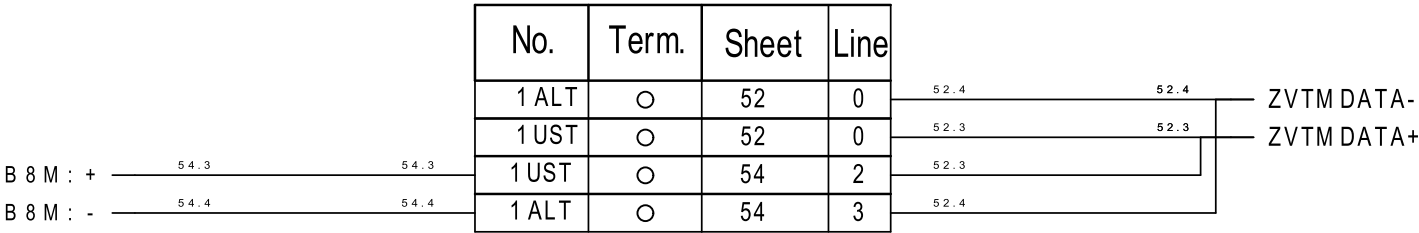
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Modification #1					Cre. Date: 8.03.2023	
Modification #2					Sheet Created by:	
Modification #3						

Terminal Strip

X16

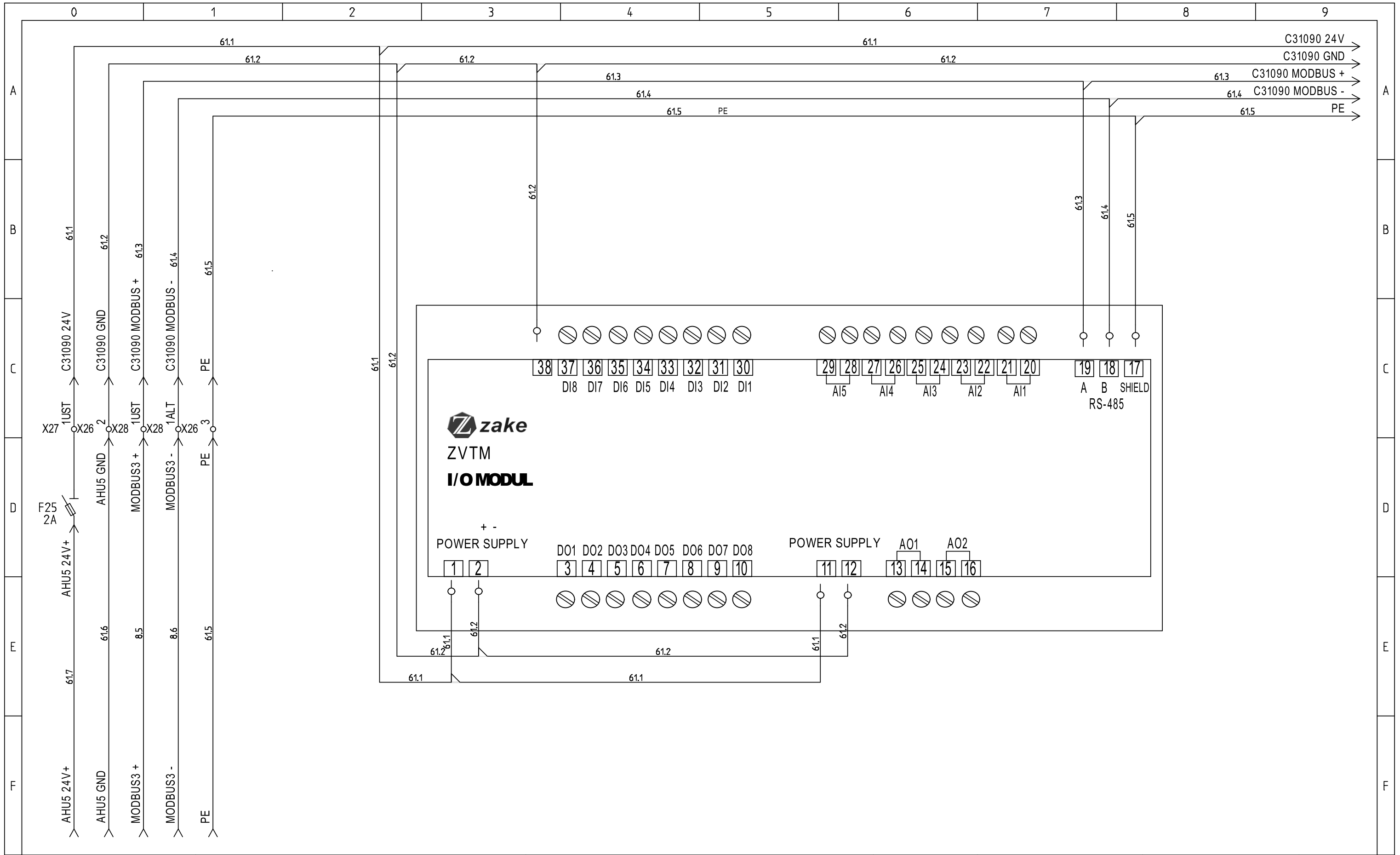


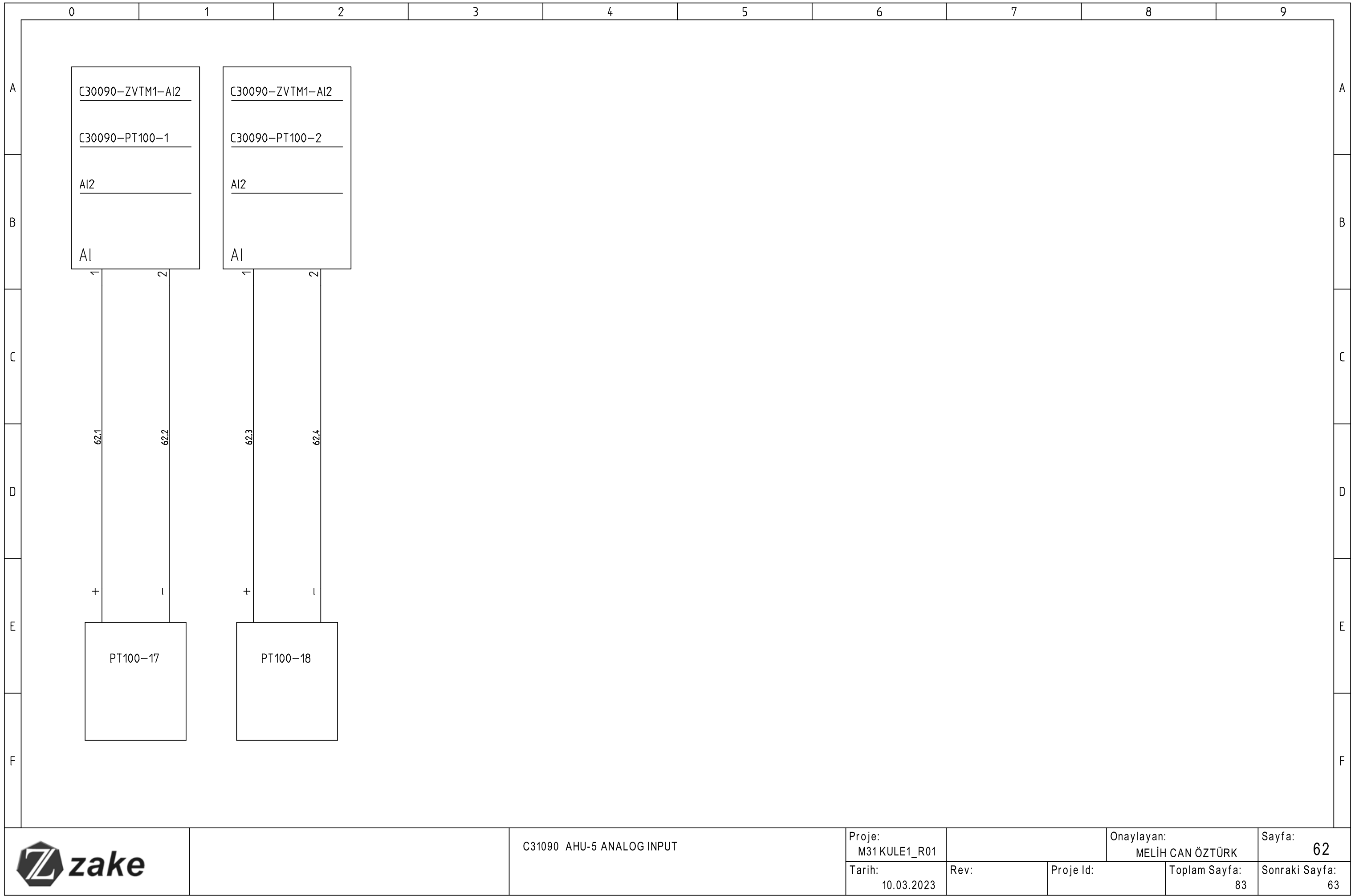
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	Modifications Since Previous Revision	C30080 C31080 TERMINAL LISTS	Document Number:	Sheet: 59 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-5
C31090







C31090 AHU-5 ANALOG INPUT

Proje:
M31 KULE1_R01

Tarih:
10.03.2023

Onaylayan:
MELİH CAN ÖZTÜRK

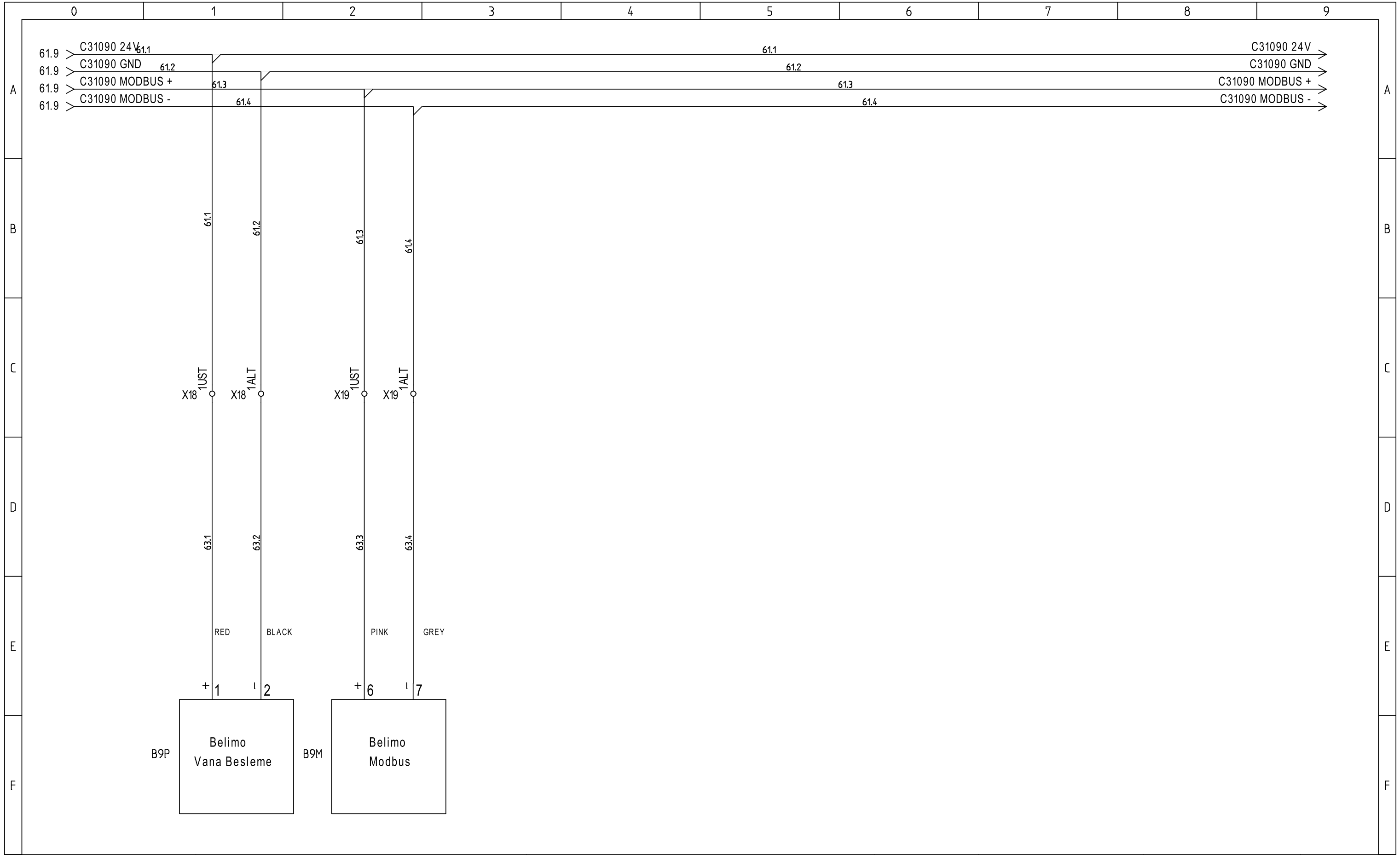
Rev:

Proje Id:

Sayfa:
62

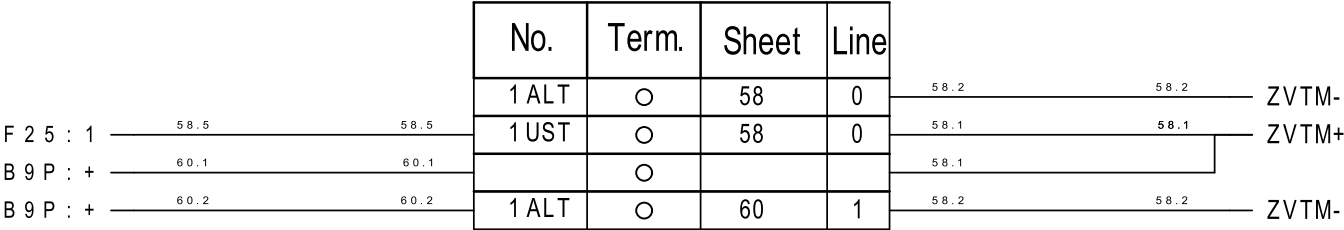
Toplam Sayfa:
83

Sonraki Sayfa:
63

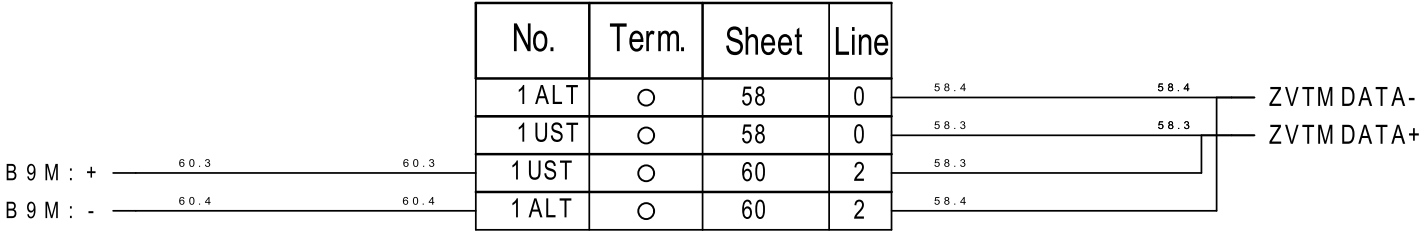


Terminal Strip

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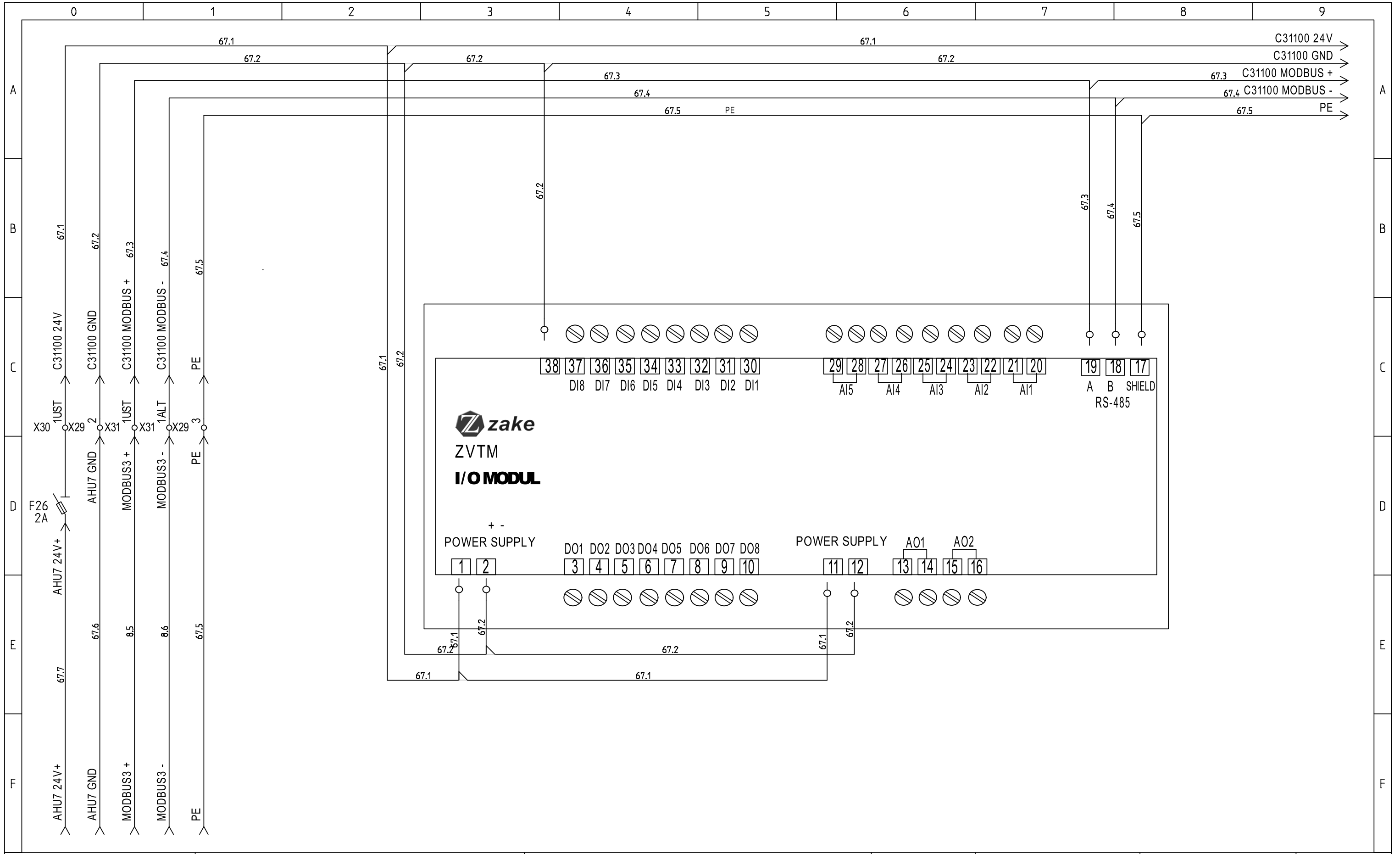


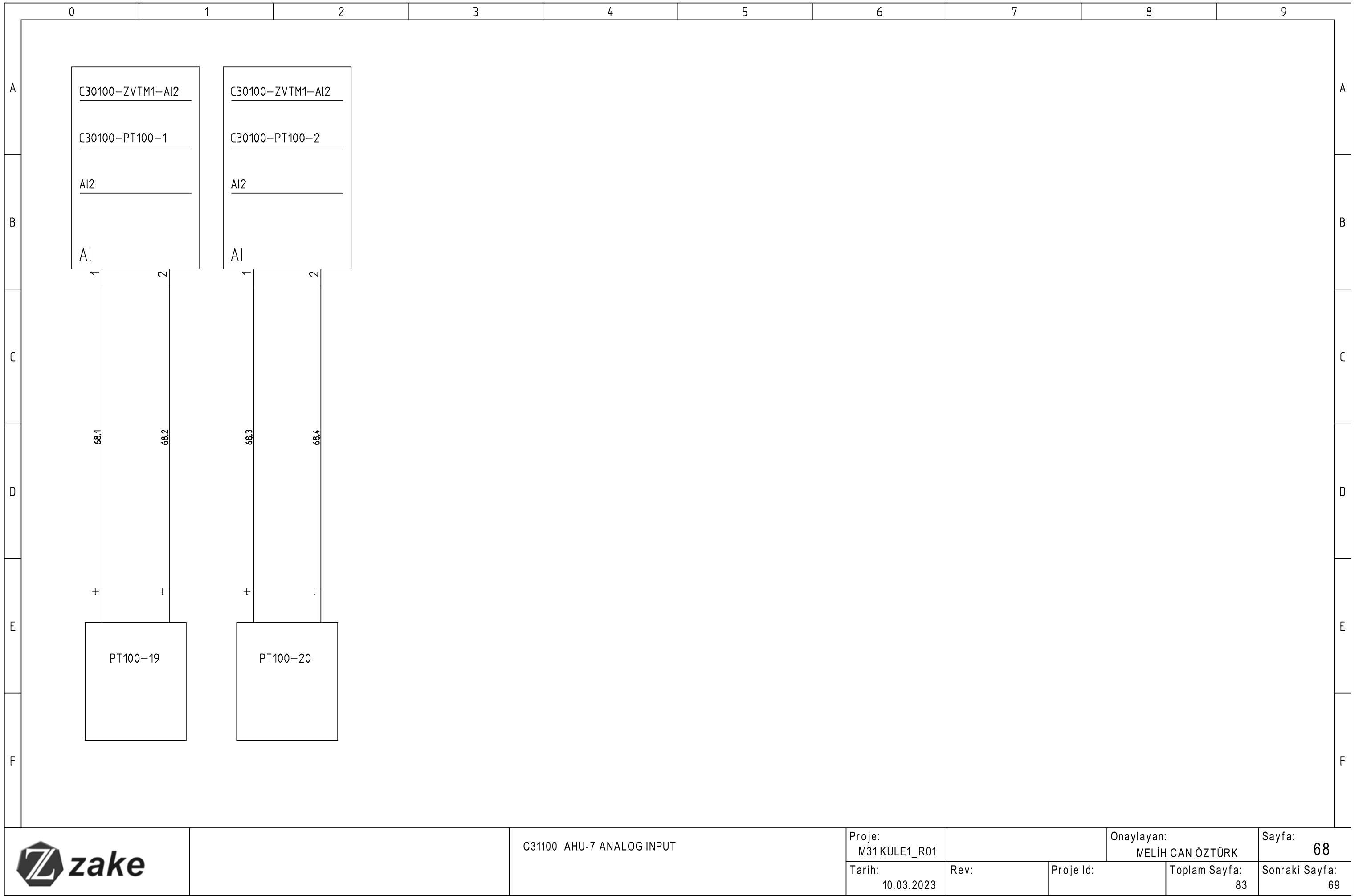
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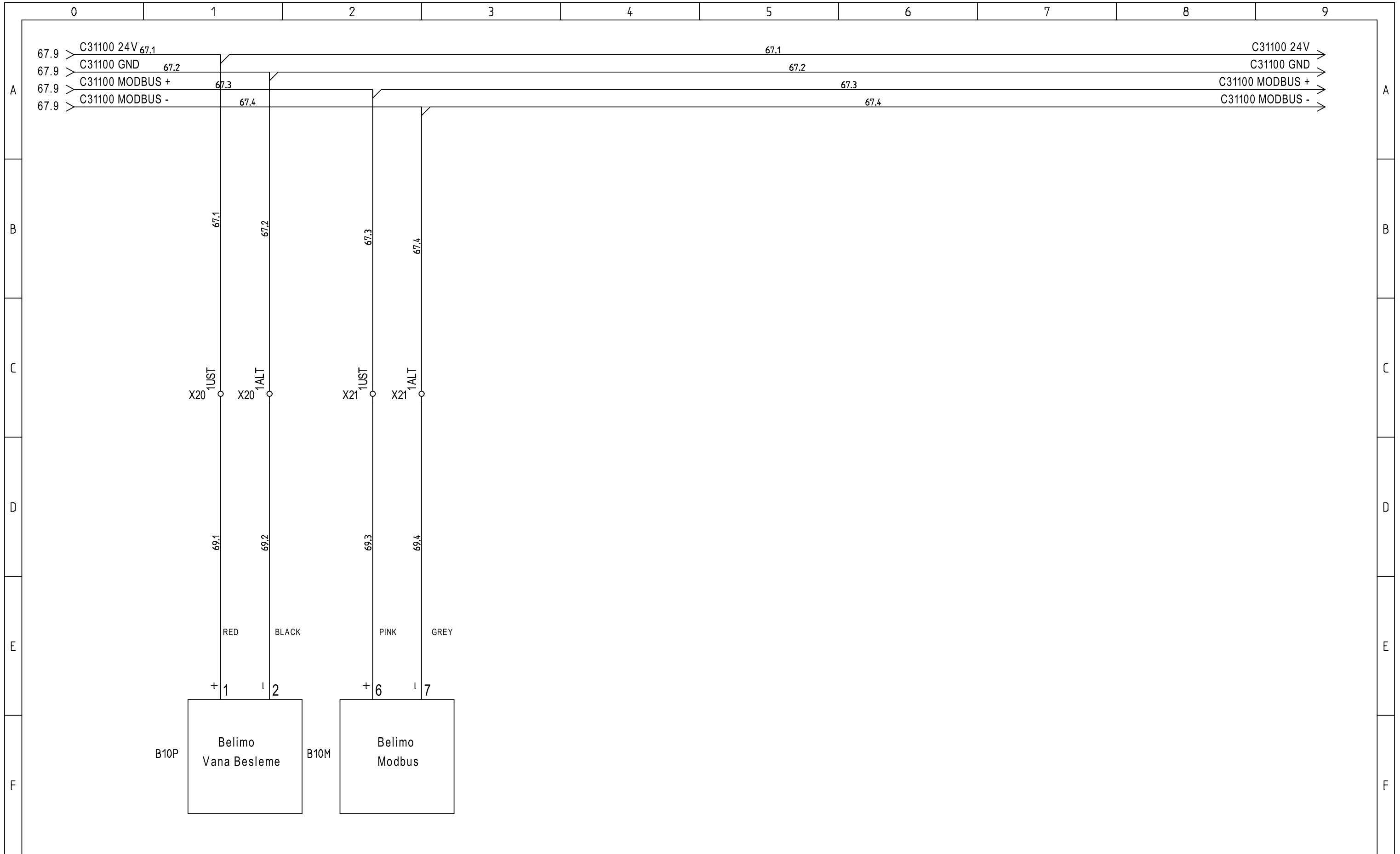


	Modifications Since Previous Revision	C30090 C31090 TERMINAL LISTS	Document Number:	Sheet: 65 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-7
C31100

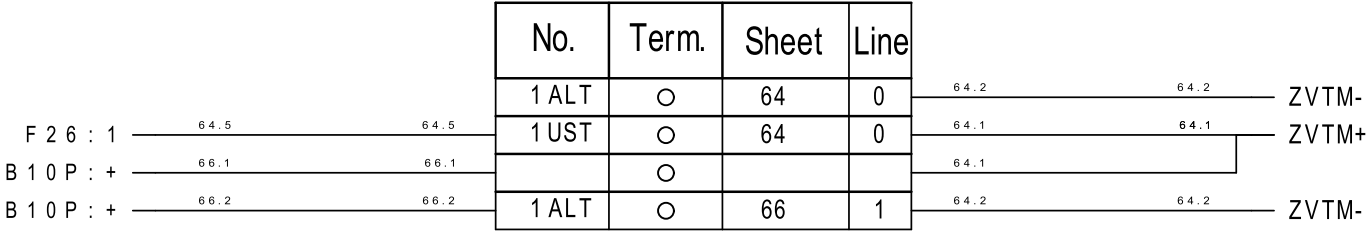




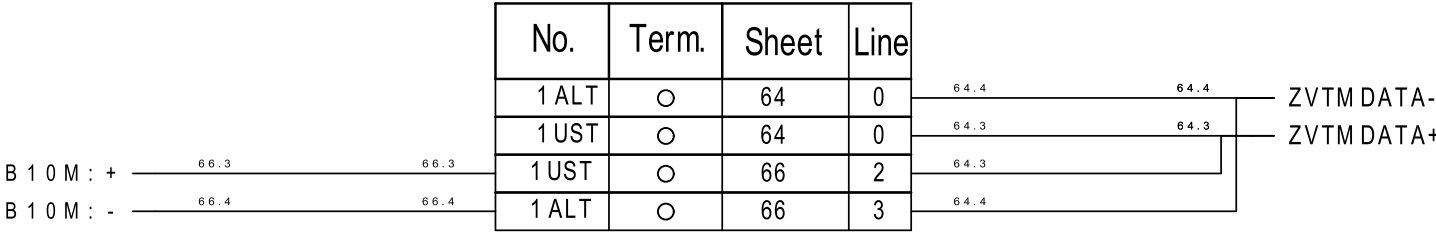


Terminal Strip

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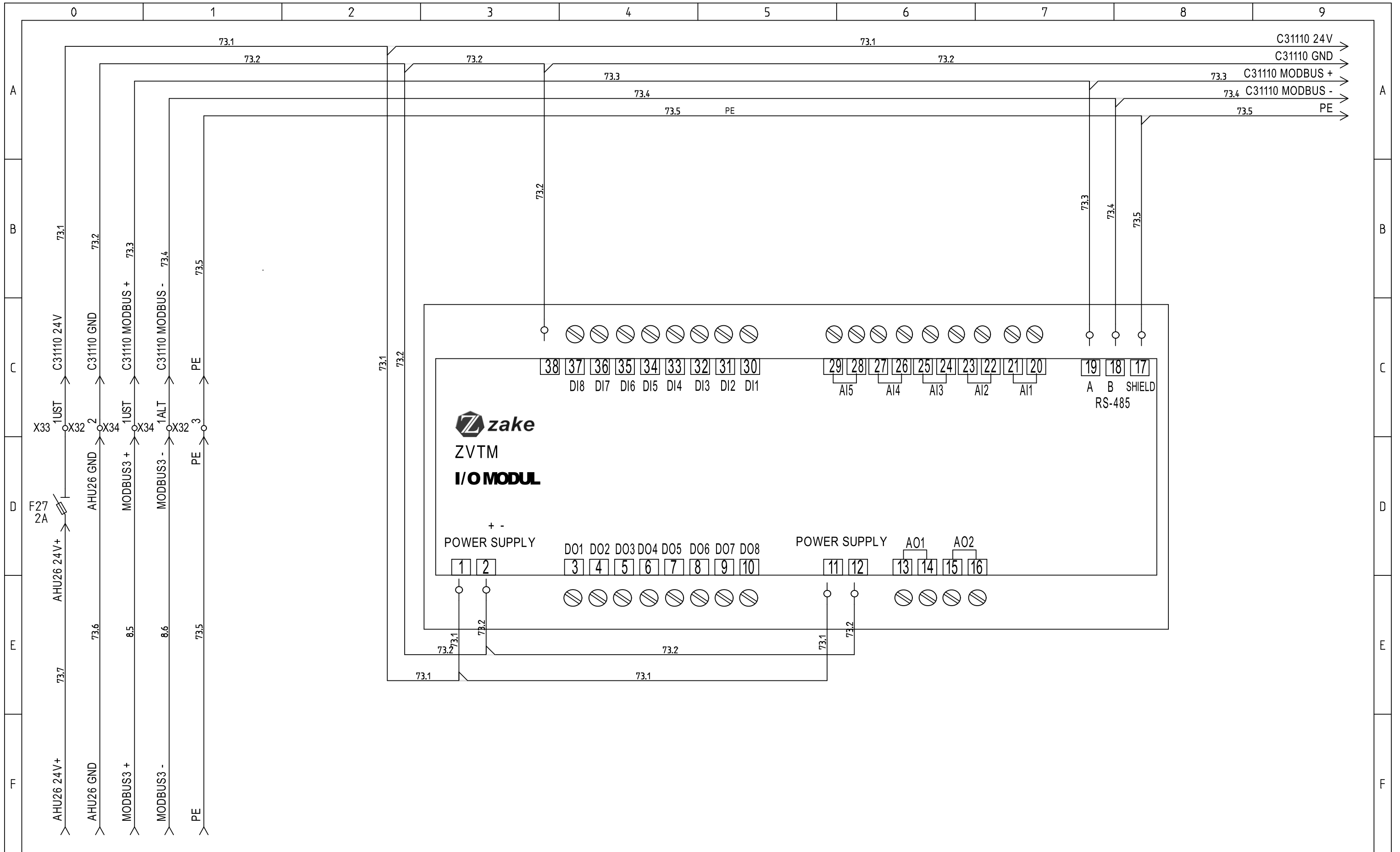


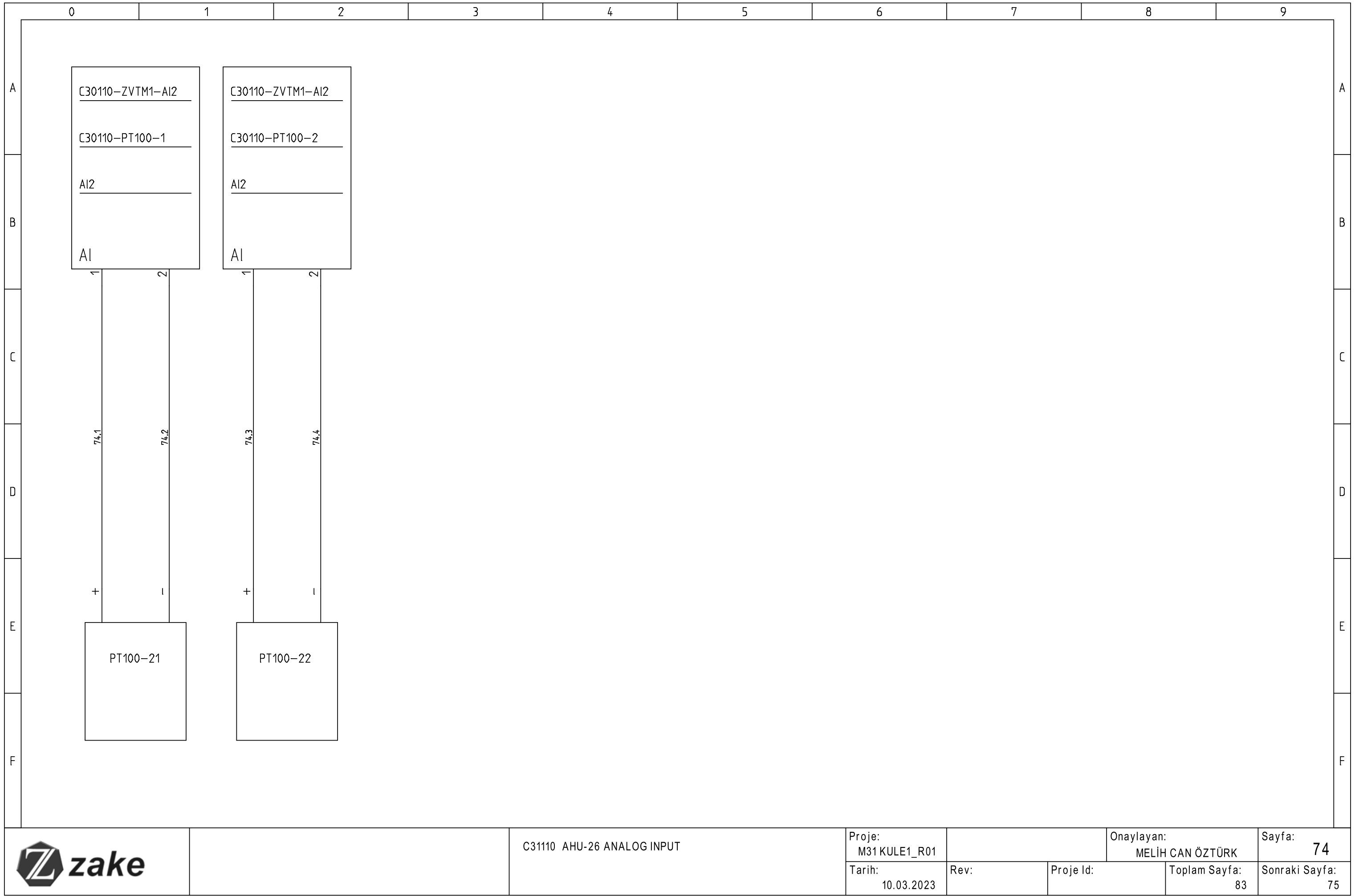
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	Modifications Since Previous Revision	C30100 C31100 TERMINAL LISTS	Document Number:	Sheet: 71 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-26
C31110





C31110 AHU-26 ANALOG INPUT

Proje:
M31 KULE1_R01

Tarih:
10.03.2023

Onaylayan:
MELİH CAN ÖZTÜRK

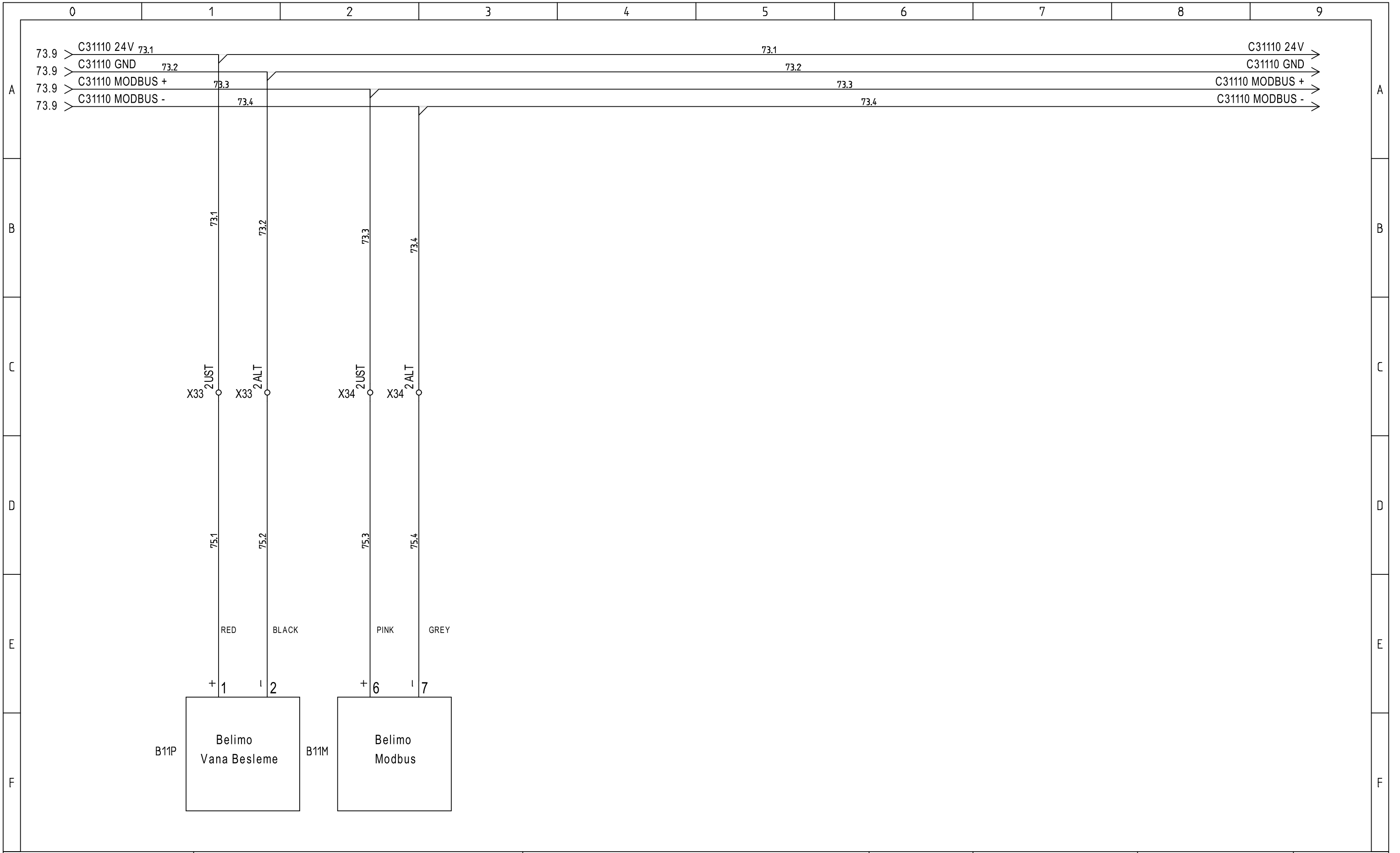
Rev:

Proje Id:

Toplam Sayfa:
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Sayfa:
74

Sonraki Sayfa:
75



C31110 AHU-26

Proje:
M31 KULE1_R01

Tarih:
6.03.2023

Proje Çizen:
SEMİH SOY

Rev:

Proje Id:

Onaylayan:
MELİH CAN ÖZTÜRK

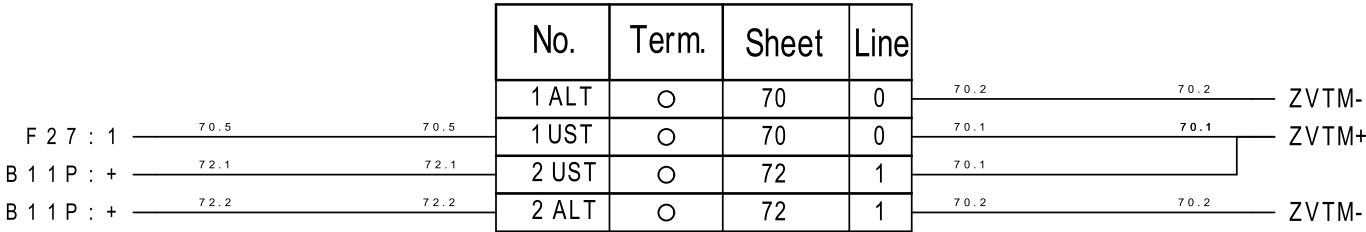
Toplam Sayfa:
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Sayfa:
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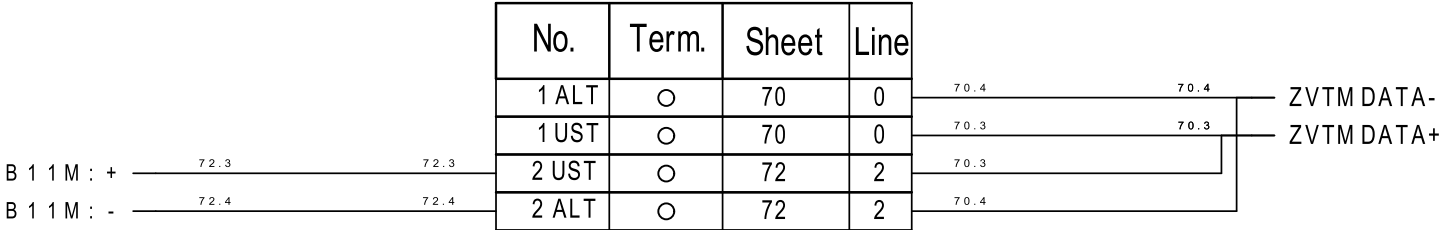
Sonraki Sayfa:
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Terminal Strip

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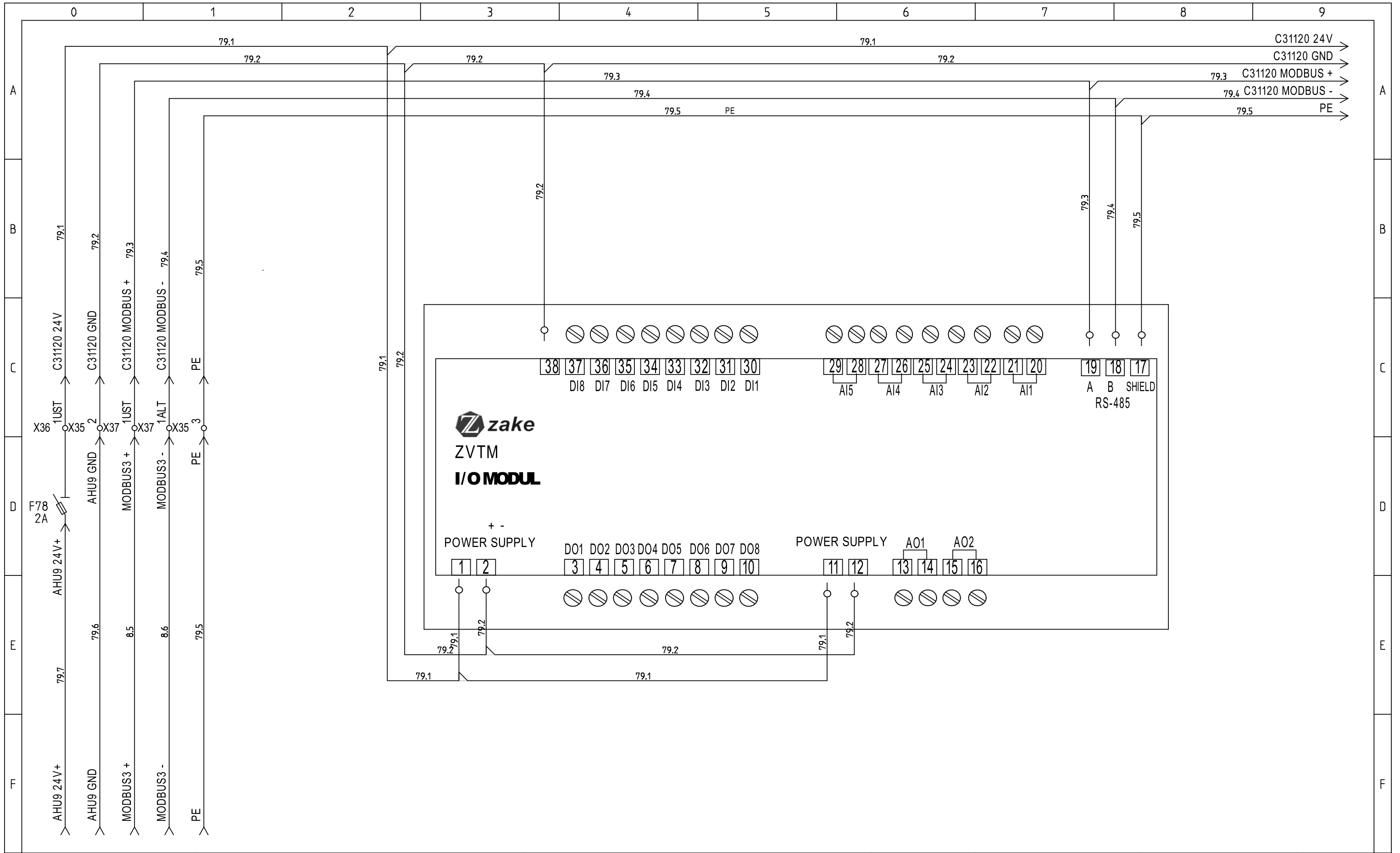


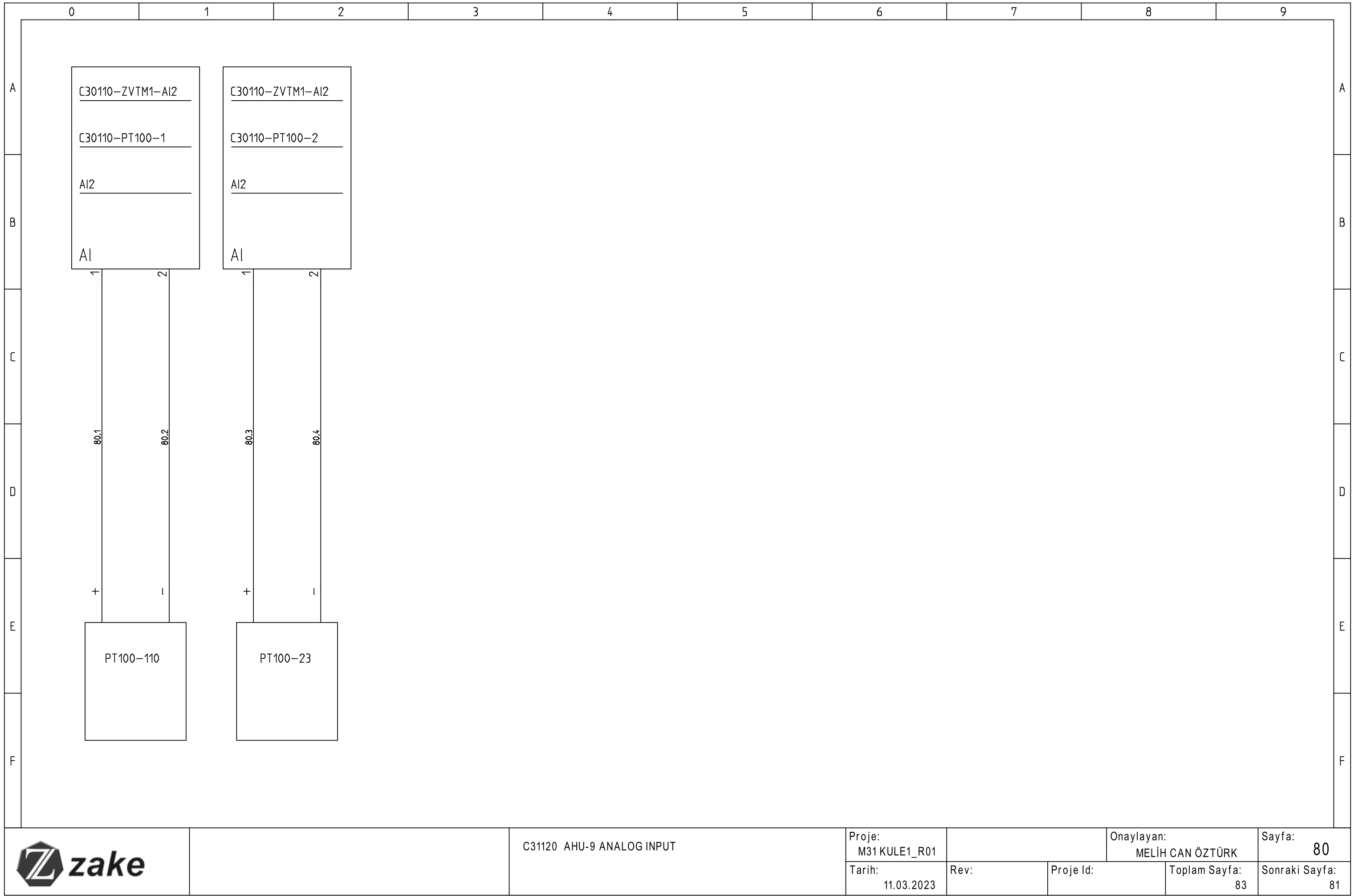
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	Modifications Since Previous Revision	C30110 C31110 TERMINAL LISTS	Document Number:	Sheet: 77 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 8.03.2023	
Modification #2			Sheet Created by:			
Modification #3						

COMMUNICATION BOX AHU-9
C31120







C31120 AHU-9 ANALOG INPUT

Proje:
M31 KULE1_R01

Tarih:
11.03.2023

Onaylayan:
MELİH CAN ÖZTÜRK

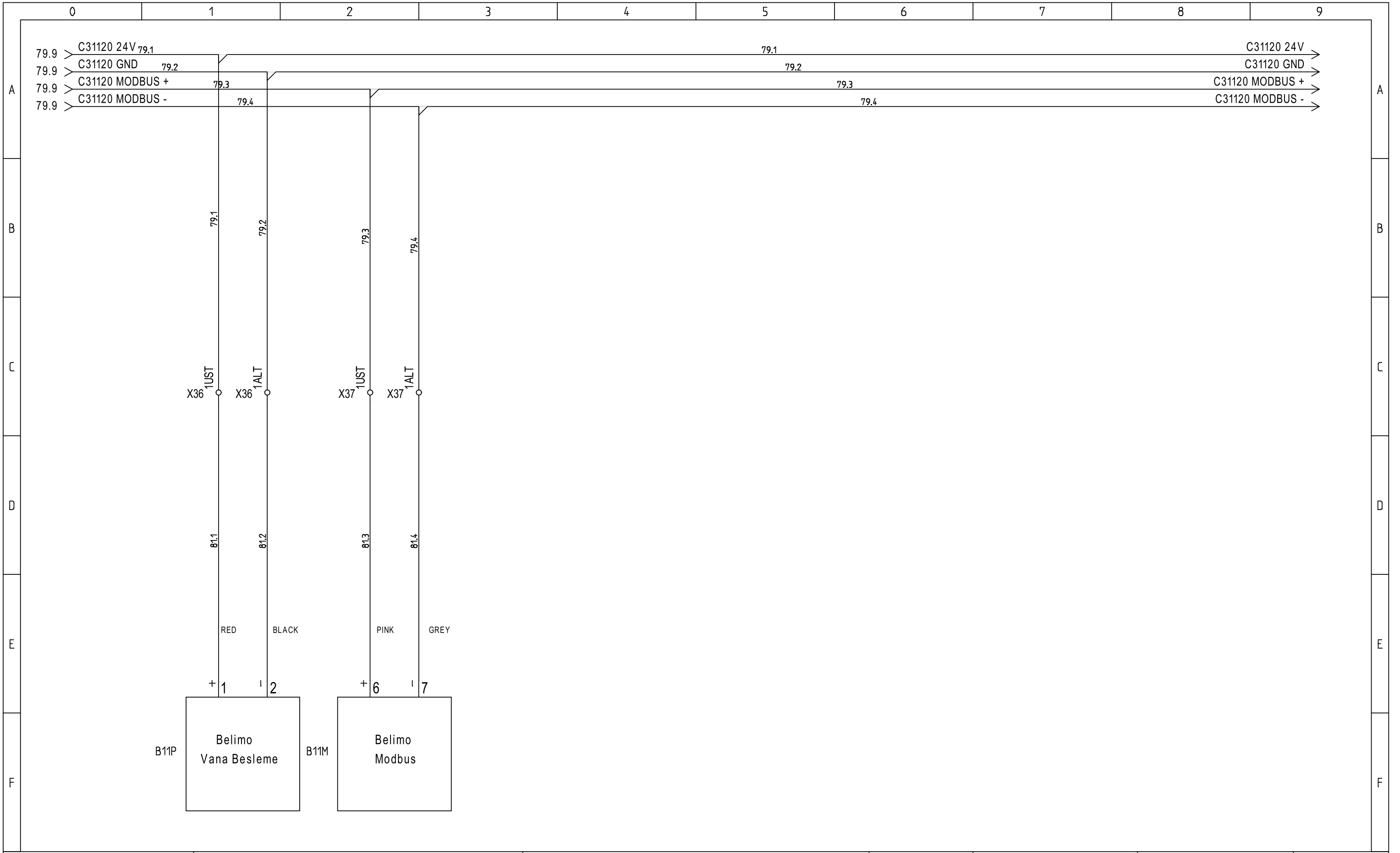
Rev:

Proje Id:

Sayfa:
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Toplam Sayfa:
83

Sonraki Sayfa:
81



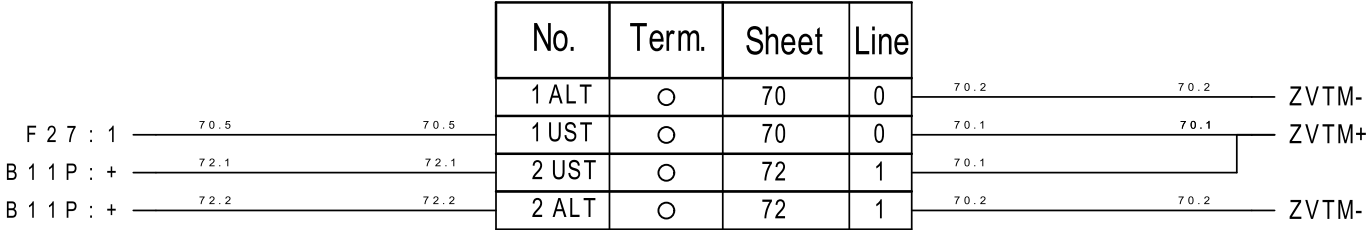
C31120 AHU-9

Proje: M31 KULE1_R01	Proje Çizen: SEMİH SOY	Onaylayan: MELİH CAN ÖZTÜRK	Sayfa: 81
Tarih: 11.03.2023	Rev:	Proje Id:	Toplam Sayfa: 83
			Sonraki Sayfa: 82

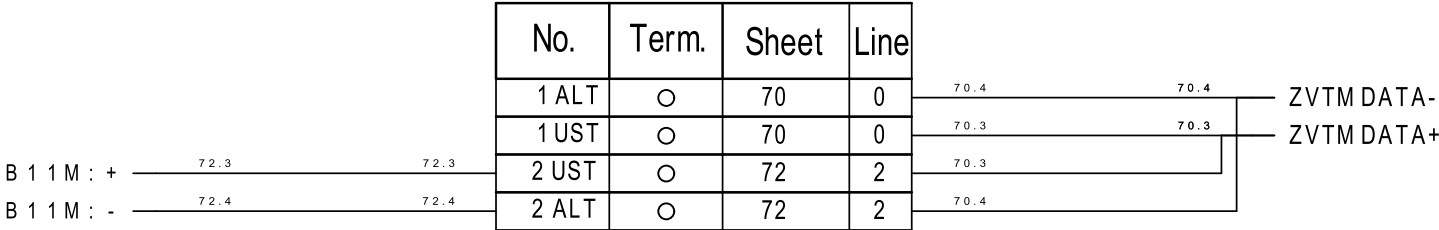
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Terminal Strip

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X23



	Modifications Since Previous Revision	C30110 C31120 TERMINAL LISTS	Document Number:	Sheet: 83 of 86	Rev. Date:	Rev.:
Modification #1					Cre. Date: 11.03.2023	
Modification #2			Sheet Created by:			
Modification #3						


List of Documents

Sheet	Kind of Document	Description	Revision date
1	Table of Contents		11.03.2023
2	Table of Contents		11.03.2023
1	Project cover sheet		
1	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 1	
2	Circuit diagrams (EN/IEC)	A LIST OF MATERIALS 2	
3	Circuit diagrams (EN/IEC)	DESIGN	
4	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS 1	
5	Circuit diagrams (EN/IEC)	LIST OF DOCUMENTS2	
6	Circuit diagrams (EN/IEC)	M30 MAIN POWER MASTER	
7	Circuit diagrams (EN/IEC)	M30 S71200 PLC	
8	Circuit diagrams (EN/IEC)	HABERLESME	
9	Circuit diagrams (EN/IEC)	M30 AC DC KONTROL	
10	Circuit diagrams (EN/IEC)	M30 DC KONTROL	
11	Circuit diagrams (EN/IEC)	TERMINAL LISTS	
12	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-1	
13	Circuit diagrams (EN/IEC)	C31010 AHU-1	
14	Circuit diagrams (EN/IEC)	C31010 AHU-1 ANALOG INPUT	
15	Circuit diagrams (EN/IEC)	C31010 AHU-01	
16	Circuit diagrams (EN/IEC)	C30010 A LIST OF MATERIIALS	
17	Circuit diagrams (EN/IEC)	C31010 TERMINAL LISTS	
18	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-2	
19	Circuit diagrams (EN/IEC)	C31020 AHU-2	
20	Circuit diagrams (EN/IEC)	C31020 AHU-2 ANALOG INPUT	
21	Circuit diagrams (EN/IEC)	C31020 AHU-2	
22	Circuit diagrams (EN/IEC)	C31020 A LIST OF MATERIIALS	
23	Circuit diagrams (EN/IEC)	C31020 TERMINAL LISTS	
24	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-3	
25	Circuit diagrams (EN/IEC)	C31030 AHU-3	
26	Circuit diagrams (EN/IEC)	C31030 AHU-3 ANALOG INPUT	
27	Circuit diagrams (EN/IEC)	C31030 AHU-3	

Sheet	Kind of Document	Description	Revision date
28	Circuit diagrams (EN/IEC)	C30030 A LIST OF MATERIIALS	
29	Circuit diagrams (EN/IEC)	C31030 TERMINAL LISTS	
30	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-4	
31	Circuit diagrams (EN/IEC)	C31040 AHU-4	
32	Circuit diagrams (EN/IEC)	C31040 ANALOG INPUT	
33	Circuit diagrams (EN/IEC)	C31040 AHU-4	
34	Circuit diagrams (EN/IEC)	C31040 A LIST OF MATERIIALS	
35	Circuit diagrams (EN/IEC)	C31040 TERMINAL LISTS	
36	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-23	
37	Circuit diagrams (EN/IEC)	C31050 AHU-23	
38	Circuit diagrams (EN/IEC)	C31050 AHU-23 ANALOG INPUT	
39	Circuit diagrams (EN/IEC)	C31050 AHU-23	
40	Circuit diagrams (EN/IEC)	C31050 A LIST OF MATERIIALS	
41	Circuit diagrams (EN/IEC)	C31050 TERMINAL LISTS	
42	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-24	
43	Circuit diagrams (EN/IEC)	C31060 AHU-24	
44	Circuit diagrams (EN/IEC)	C31060 AHU-24 ANALOG INPUT	
45	Circuit diagrams (EN/IEC)	C31060 AHU-24	
46	Circuit diagrams (EN/IEC)	C31060 A LIST OF MATERIIALS	
47	Circuit diagrams (EN/IEC)	C31060 TERMINAL LISTS	
48	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-25	
49	Circuit diagrams (EN/IEC)	C31070 AHU-25	
50	Circuit diagrams (EN/IEC)	C31070 AHU-25 ANALOG INPUT	
51	Circuit diagrams (EN/IEC)	C31070 AHU-25	
52	Circuit diagrams (EN/IEC)	C31070 A LIST OF MATERIIALS	
53	Circuit diagrams (EN/IEC)	C31070 TERMINAL LISTS	
54	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-6	
55	Circuit diagrams (EN/IEC)	C31080 AHU-6	
56	Circuit diagrams (EN/IEC)	C31080 AHU-6 ANALOG INPUT	
57	Circuit diagrams (EN/IEC)	C31080 AHU-6	

				Project:	M31KULE1_R01	Drawing no.:	Rev.:	Init.:
				Date:	11.03.2023			Page:

List of Documents

Sheet	Kind of Document	Description	Revision date	Sheet	Kind of Document	Description	Revision date
58	Circuit diagrams (EN/IEC)	C31080 A LIST OF MATERIIALS					
59	Circuit diagrams (EN/IEC)	C31080 TERMINAL LISTS					
60	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-5					
61	Circuit diagrams (EN/IEC)	C31090 AHU-5					
62	Circuit diagrams (EN/IEC)	C31090 AHU-5 ANALOG INPUT					
63	Circuit diagrams (EN/IEC)	C31090 AHU-5					
64	Circuit diagrams (EN/IEC)	C31090 A LIST OF MATERIIALS					
65	Circuit diagrams (EN/IEC)	C31090 TERMINAL LISTS					
66	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-7					
67	Circuit diagrams (EN/IEC)	C31100 AHU-7					
68	Circuit diagrams (EN/IEC)	C31100 AHU-7 ANALOG INPUT					
69	Circuit diagrams (EN/IEC)	C31100 AHU-7					
70	Circuit diagrams (EN/IEC)	C31100 A LIST OF MATERIIALS					
71	Circuit diagrams (EN/IEC)	C31100 TERMINAL LISTS					
72	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-26					
73	Circuit diagrams (EN/IEC)	C31110 AHU-26					
74	Circuit diagrams (EN/IEC)	C31110 AHU-26 ANALOG INPUT					
75	Circuit diagrams (EN/IEC)	C31110 AHU-26					
76	Circuit diagrams (EN/IEC)	C31110 A LIST OF MATERIIALS					
77	Circuit diagrams (EN/IEC)	C31110 TERMINAL LISTS					
78	Circuit diagrams (EN/IEC)	COMMUNICATIONBOX AHU-9					
79	Circuit diagrams (EN/IEC)	C31120 AHU-9					
80	Circuit diagrams (EN/IEC)	C31120 AHU-9 ANALOG INPUT					
81	Circuit diagrams (EN/IEC)	C31120 AHU-9					
82	Circuit diagrams (EN/IEC)	C31120 A LIST OF MATERIIALS					
83	Circuit diagrams (EN/IEC)	C31120 TERMINAL LISTS					
			Project: M31KULE1_R01		Drawing no.:	Rev.:	Init.:
			Date: 11.03.2023				Page: 2