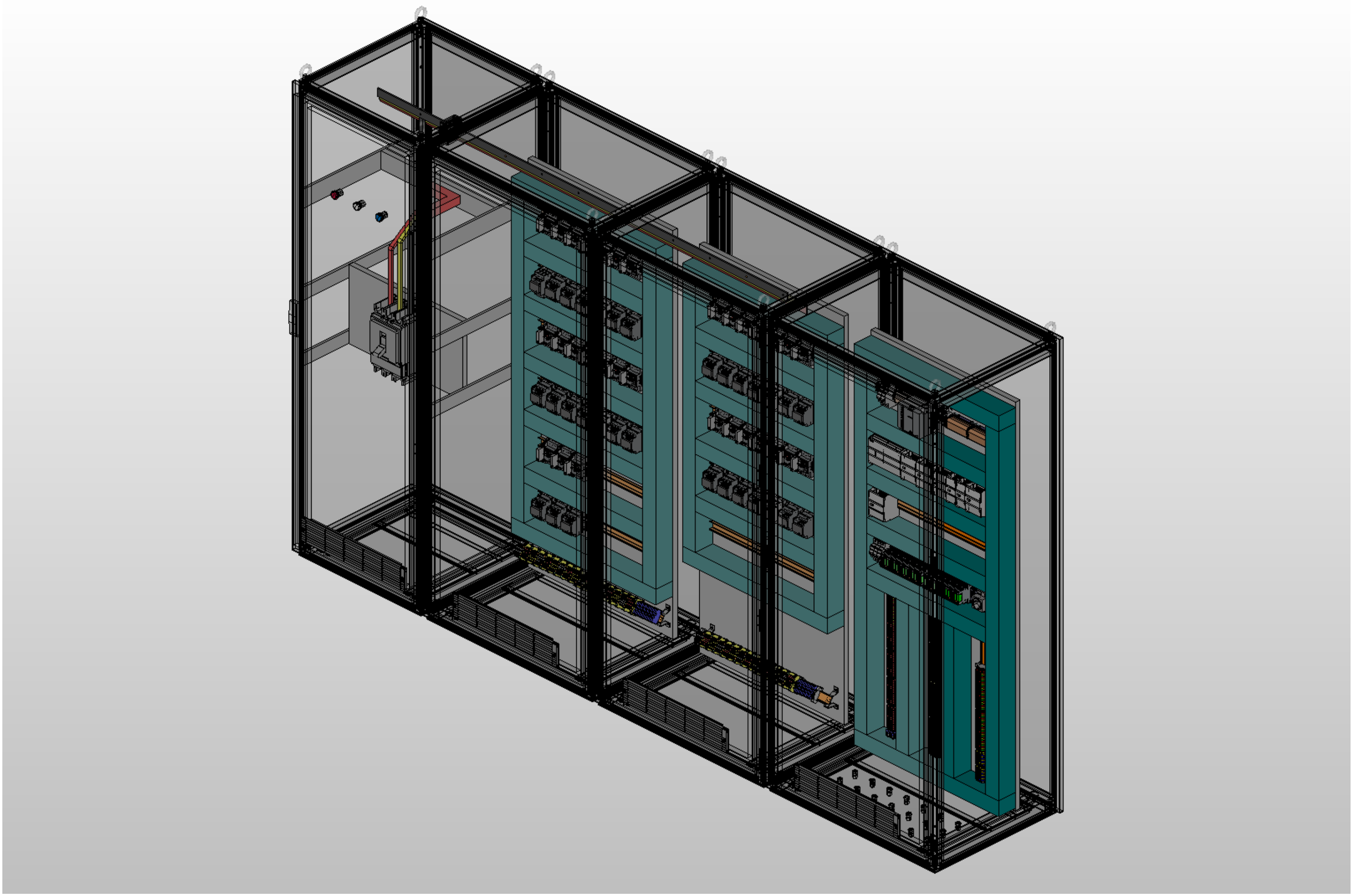
EPLAN GmbH & Co. KG

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

Company / customer	
Project description	Basic project with identification structure in accordance with IEC standard: Page structure with function designa
Job number	IEC_bas003
Commission	EPLAN
Manufacturer (company)	EPLAN GmbH & Co. KG
Path	EPLAN sample project
Project name	Mr. shahab
Make	
Type	
Place of installation	
Responsible for project	
Part feature	

Created on	4/25/2026			
Edit date	6/18/2026	by (short name)	10	Number of pages 38



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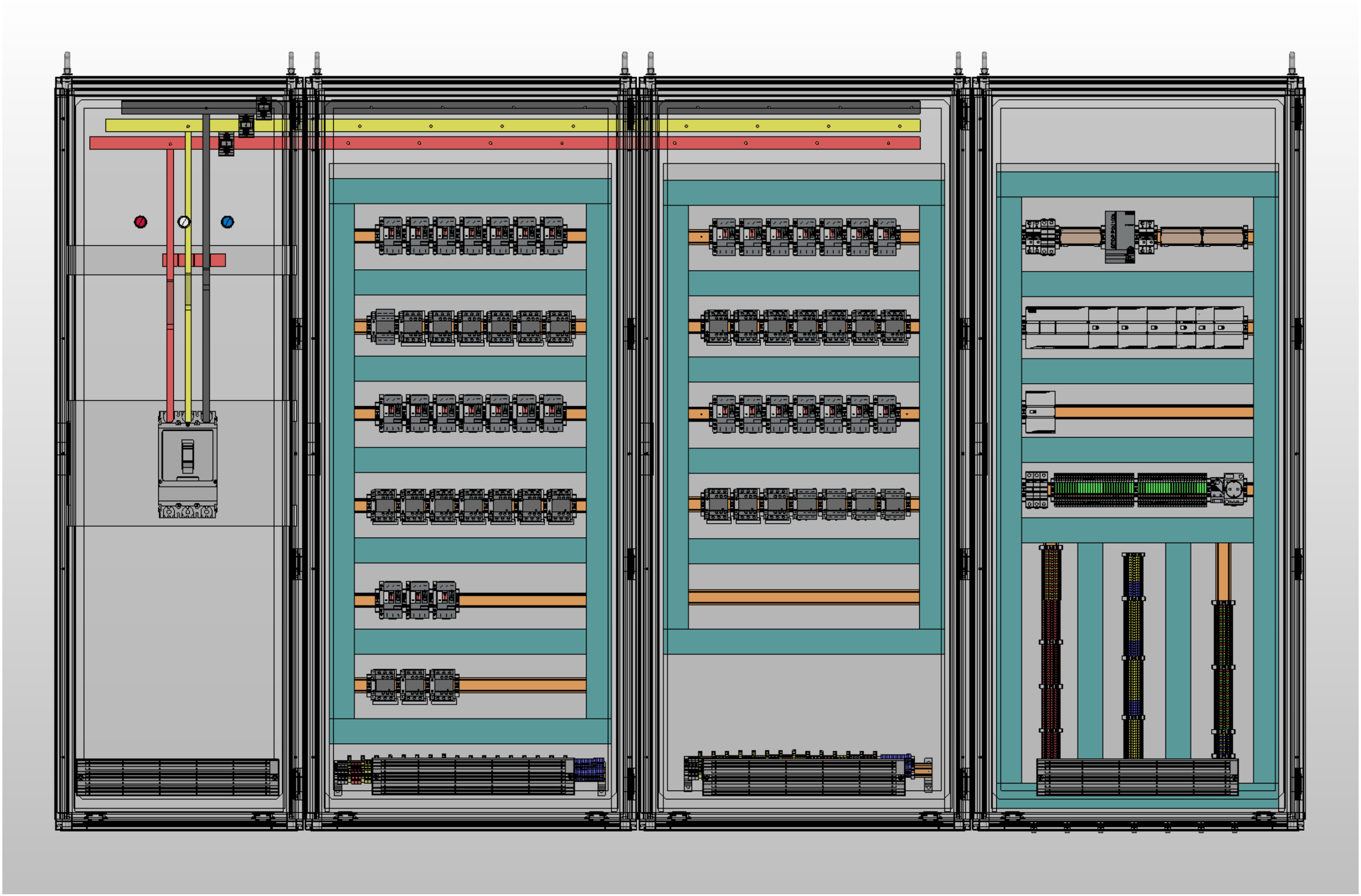
			Appr.		Basic project with identification structure in accordance with	IEC standard: Page structure with	function designation and location designation and	document type	IEC_bas003	Page	2
Modification	Date	Name	Original		Replacement of	Replaced by				Page	2 / 38



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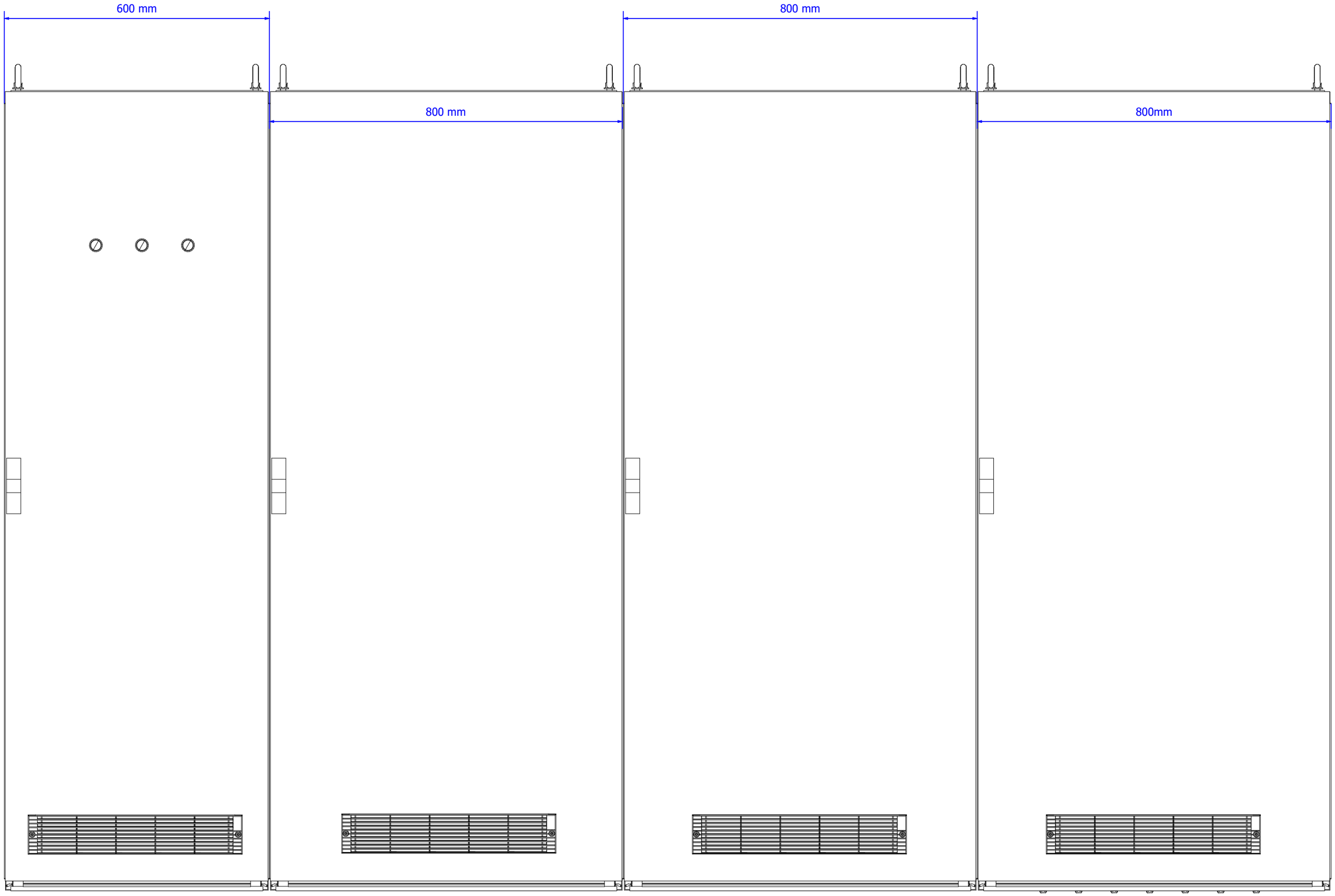
Modification	Date	Name	Original		Replacement of	Replaced by					Page	3 / 38



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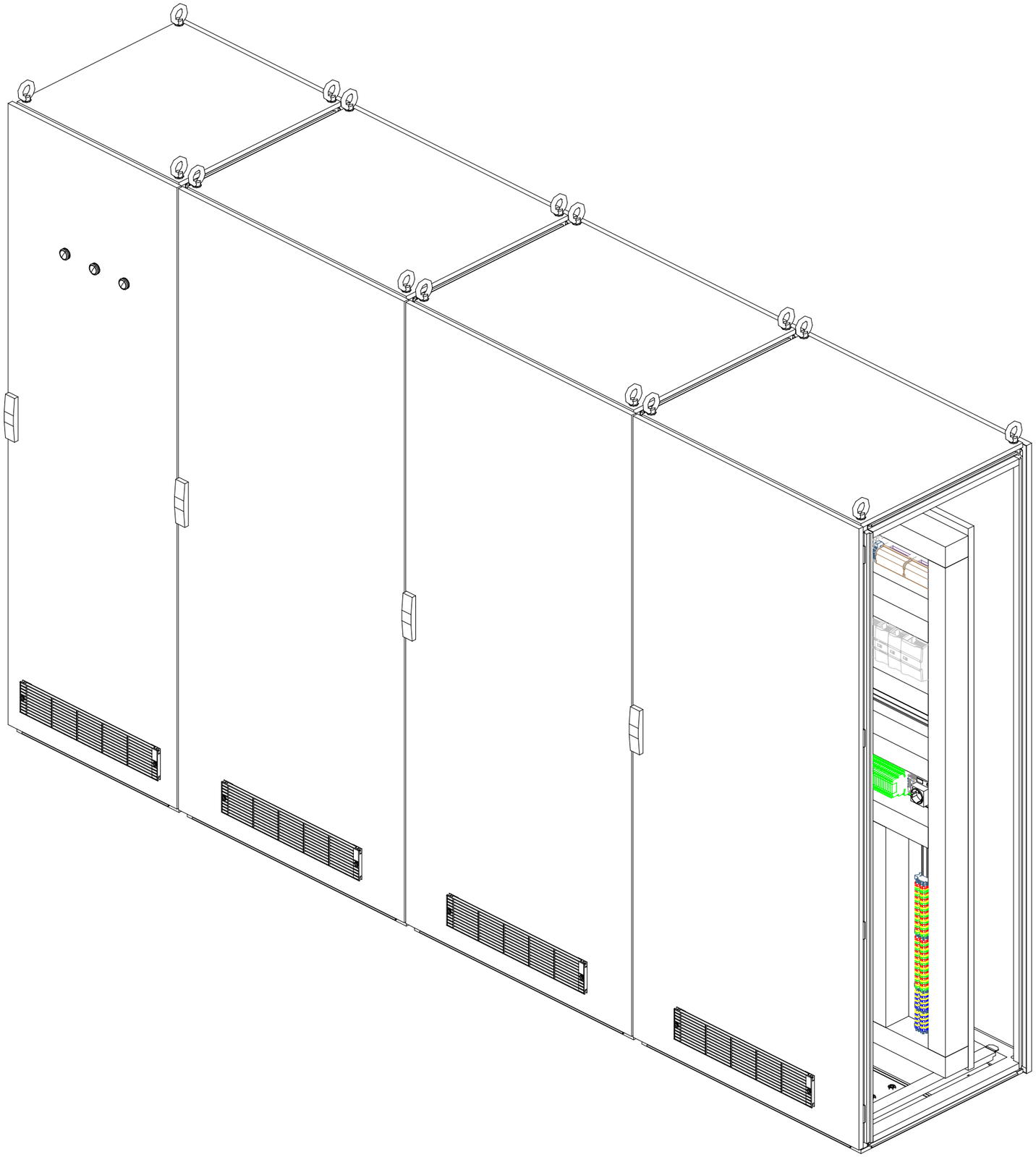
Modification	Date	Name	Original		Replacement of	Replaced by				Page	4 / 38



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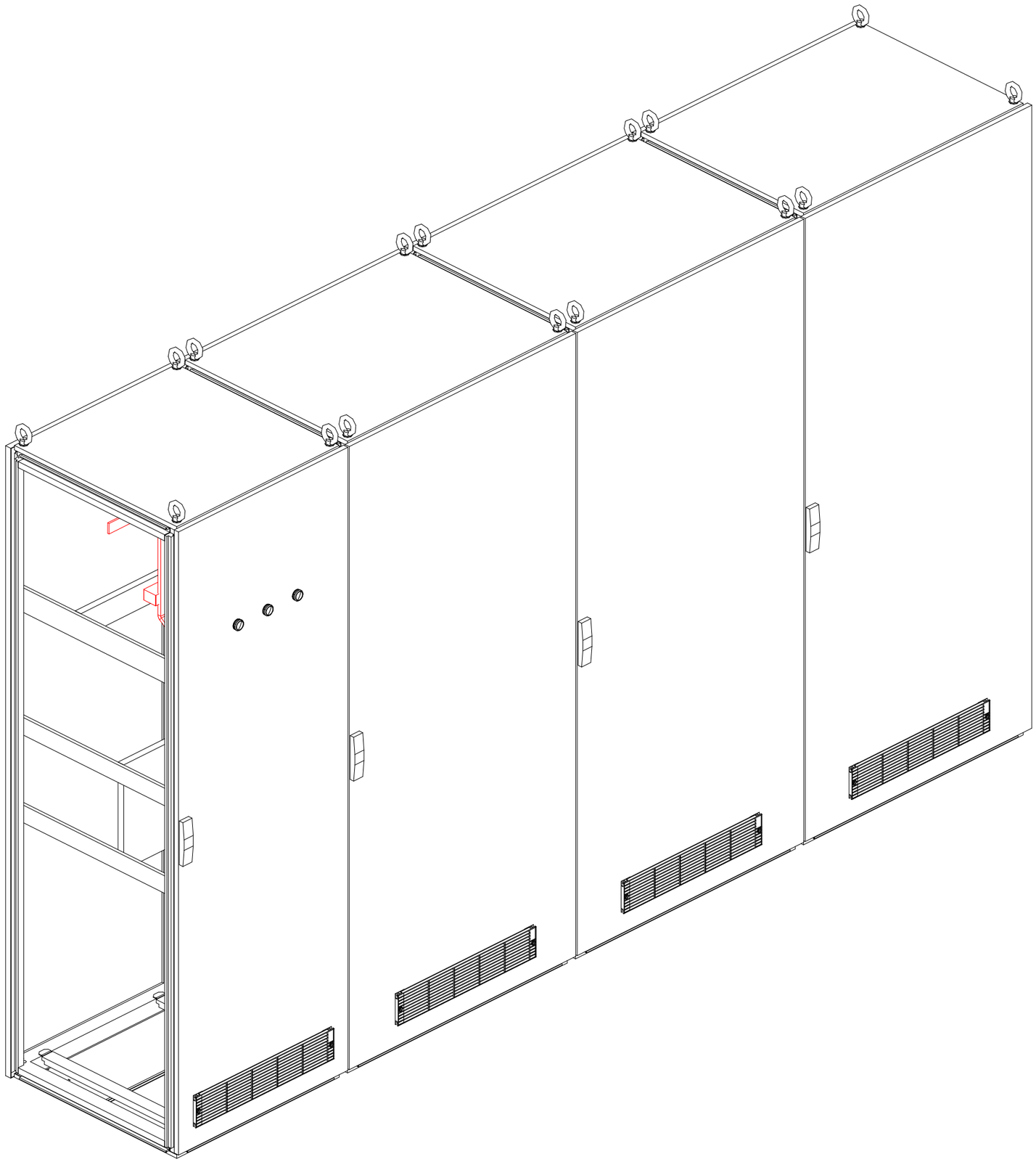
Modification	Date	Name	Original		Replacement of	Replaced by				Page 5 / 38



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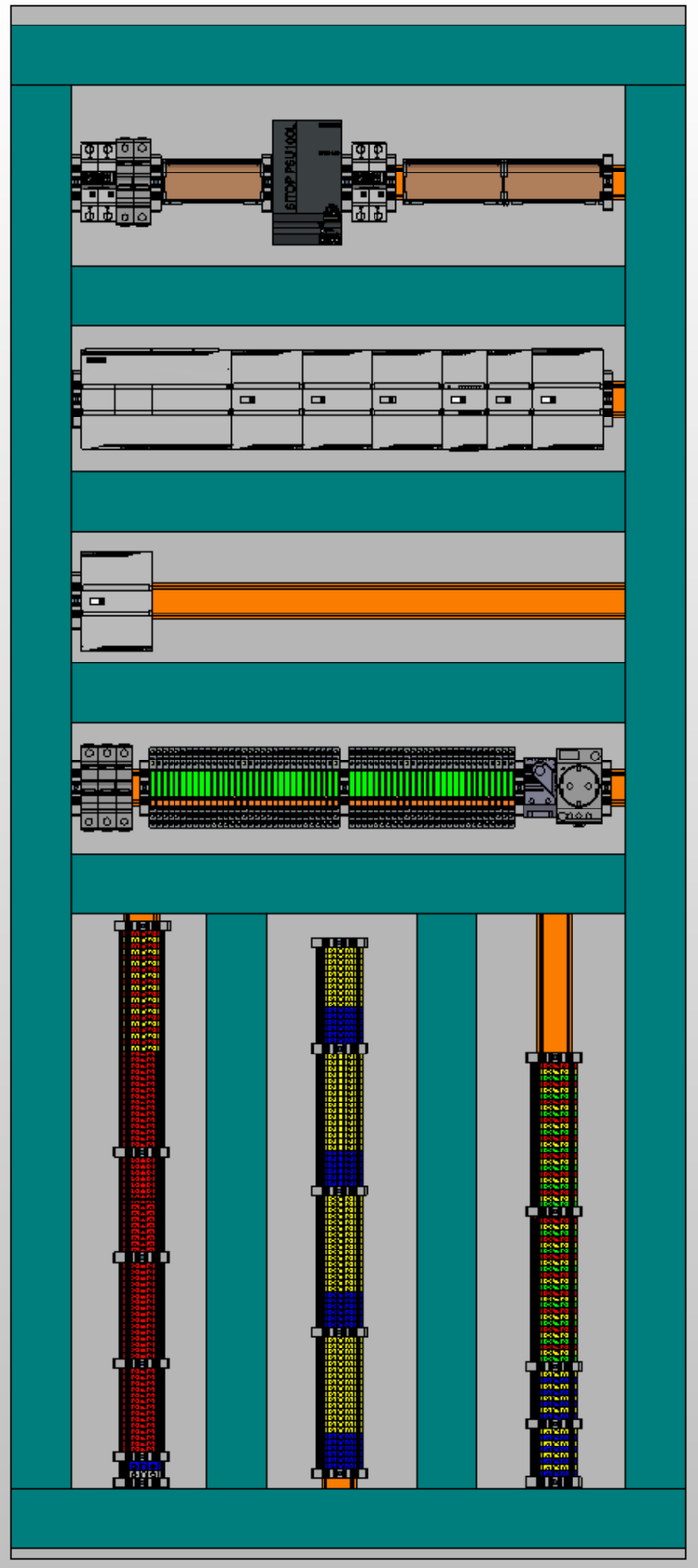
Modification	Date	Name	Original		Replacement of	Replaced by				Page	6 / 38



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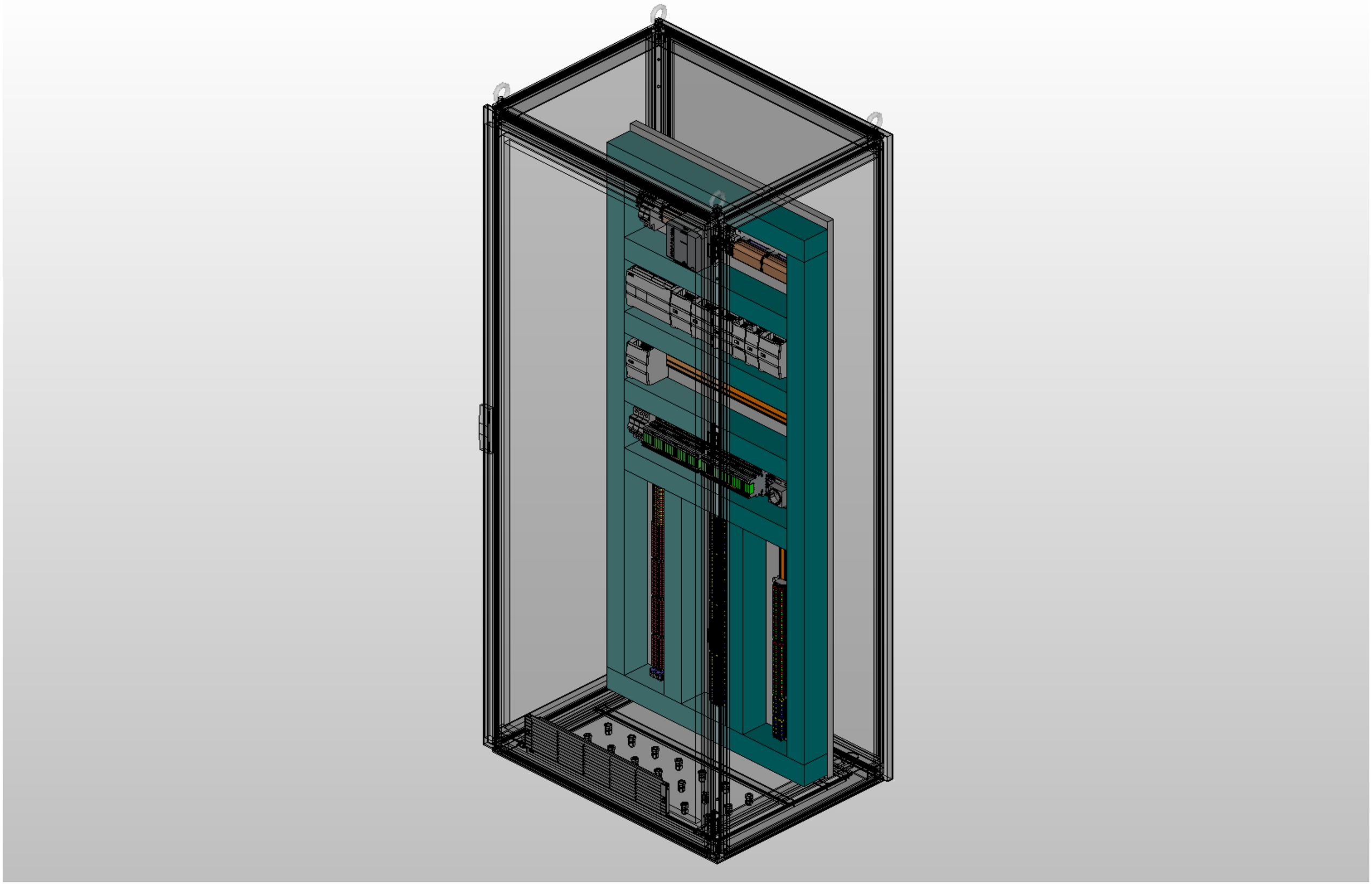
Modification	Date	Name	Original		Replacement of	Replaced by					Page	7 / 38



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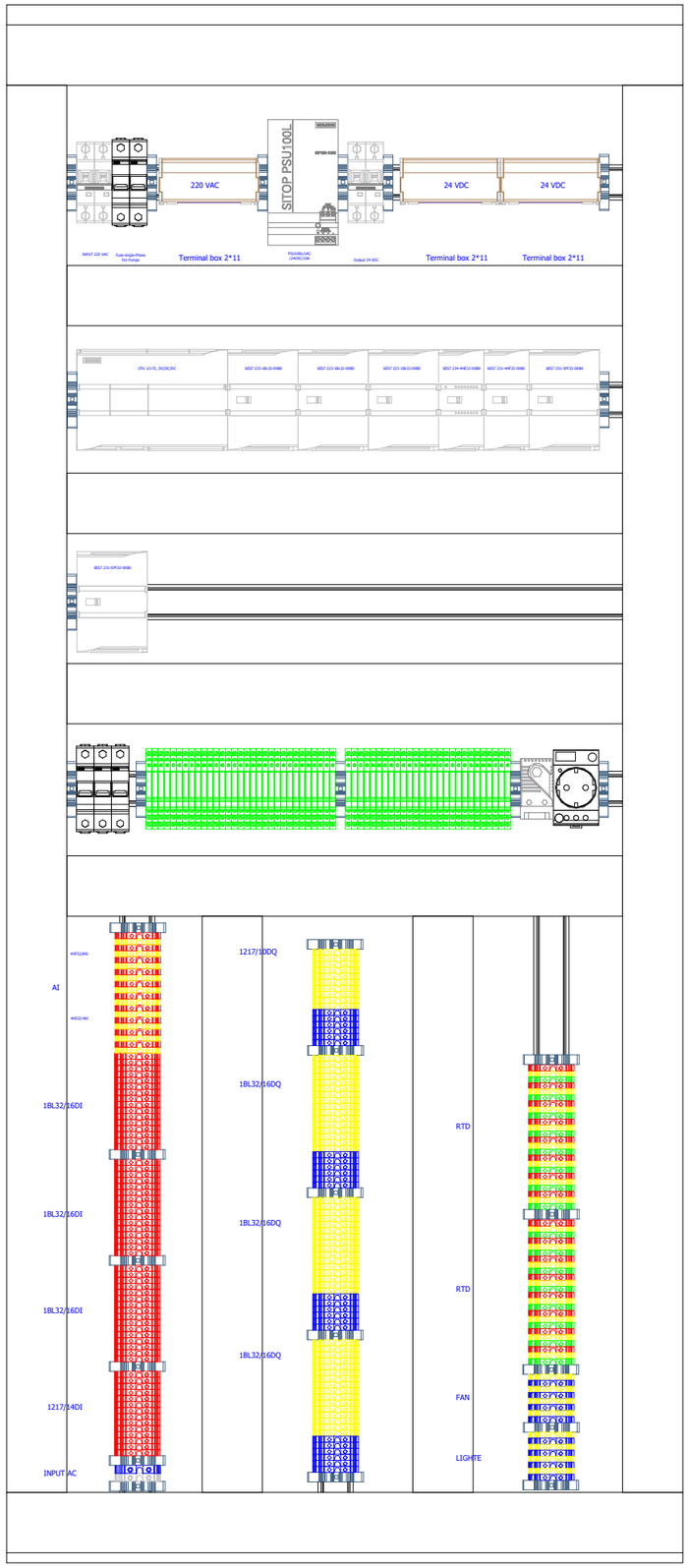
Modification	Date	Name	Original		Replacement of	Replaced by				Page	8 / 38



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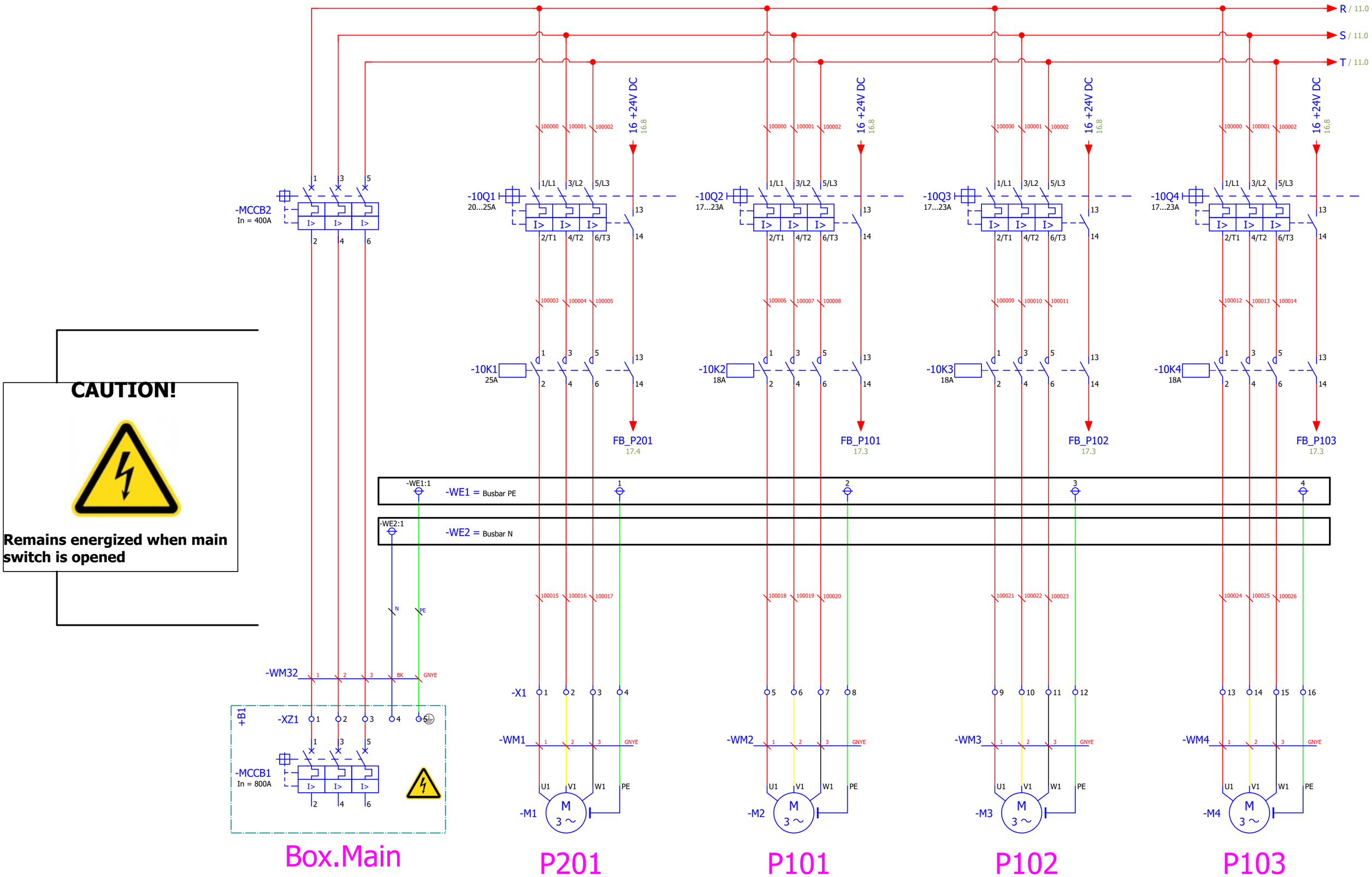
Modification	Date	Name	Original		Replacement of	Replaced by				Page	9 / 38



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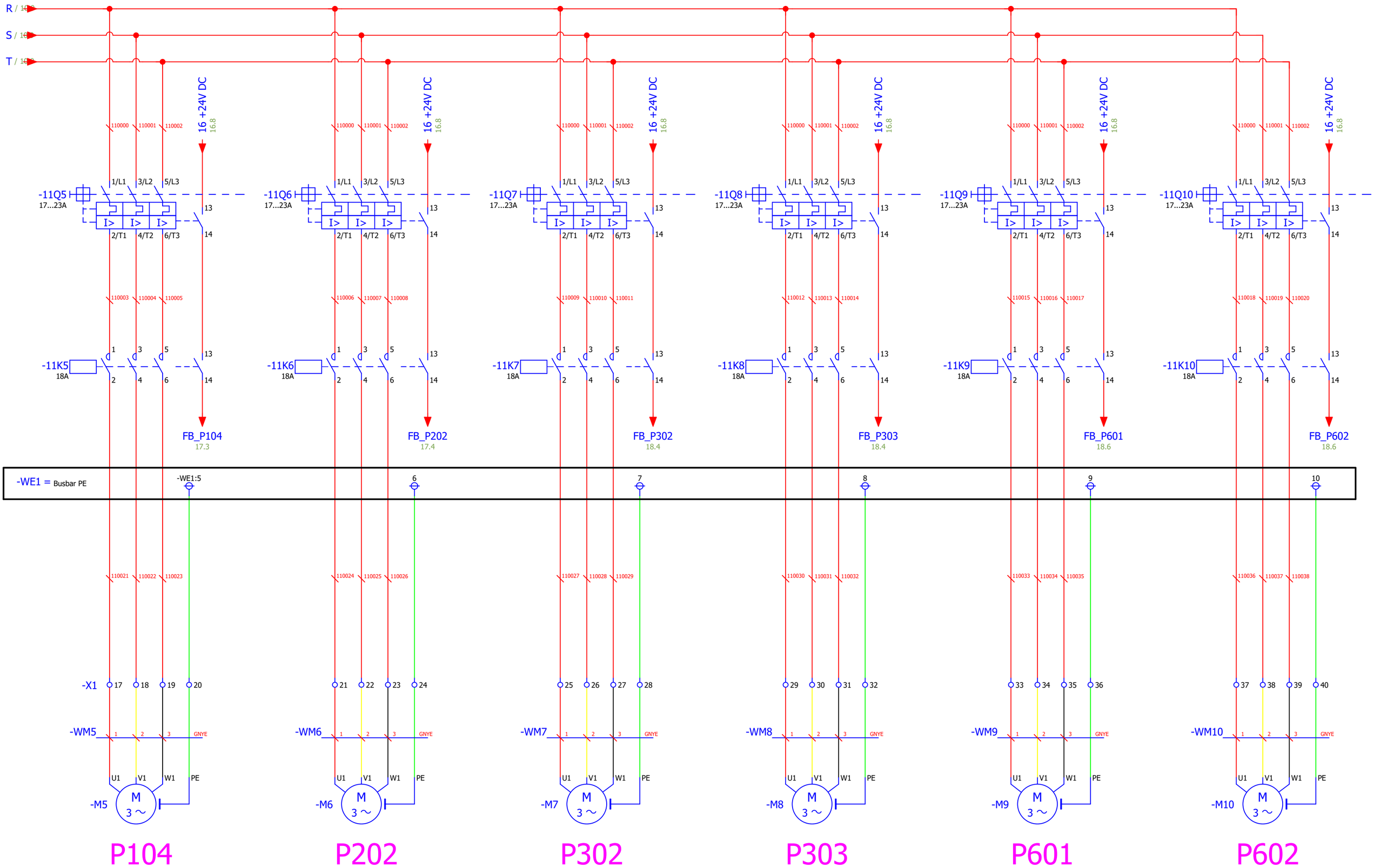
Modification	Date	Name	Original		Replacement of	Replaced by					Page	10 / 38



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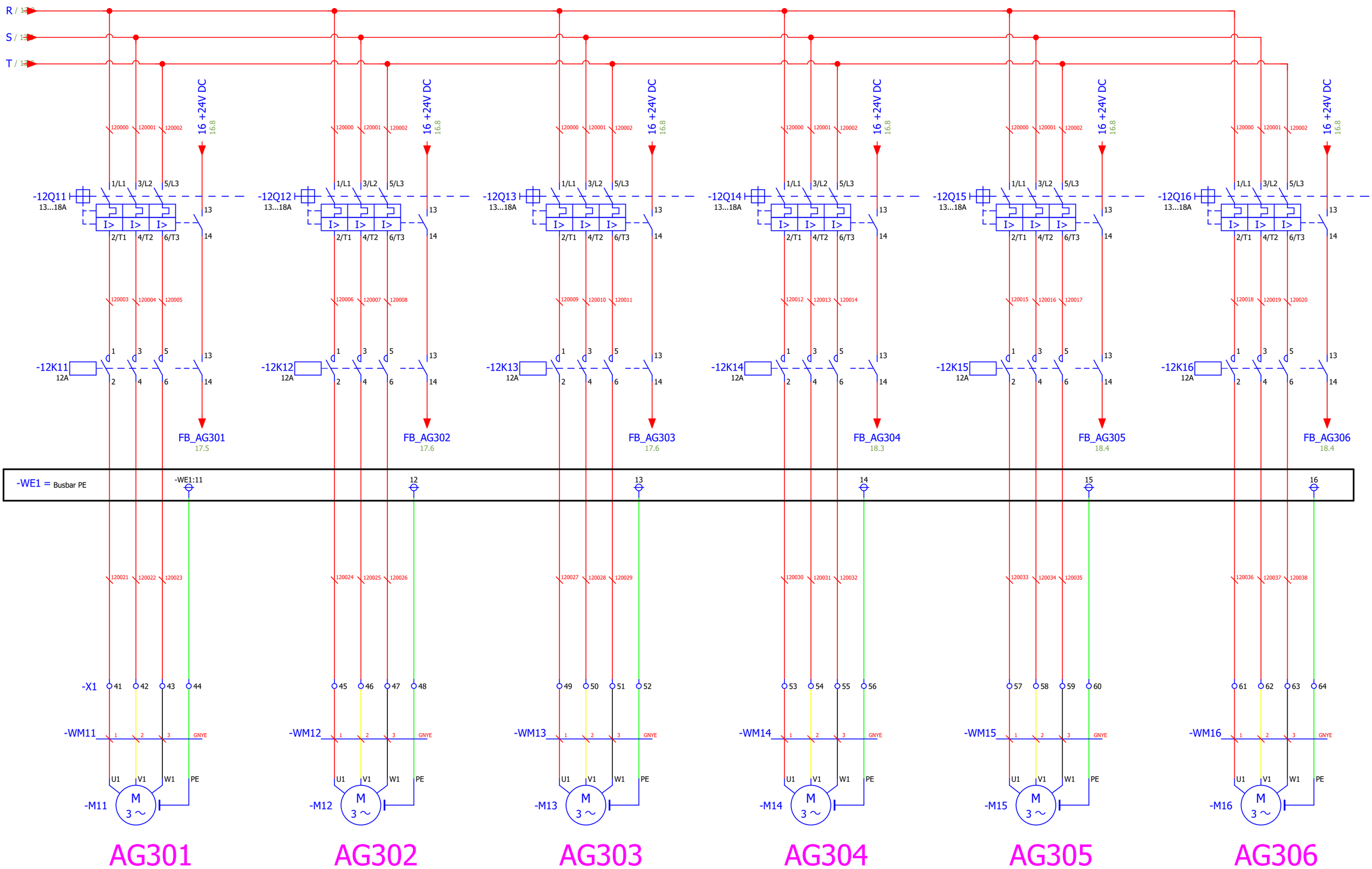
Modification	Date	Name	Original		Replacement of	Replaced by					Page 11 / 38



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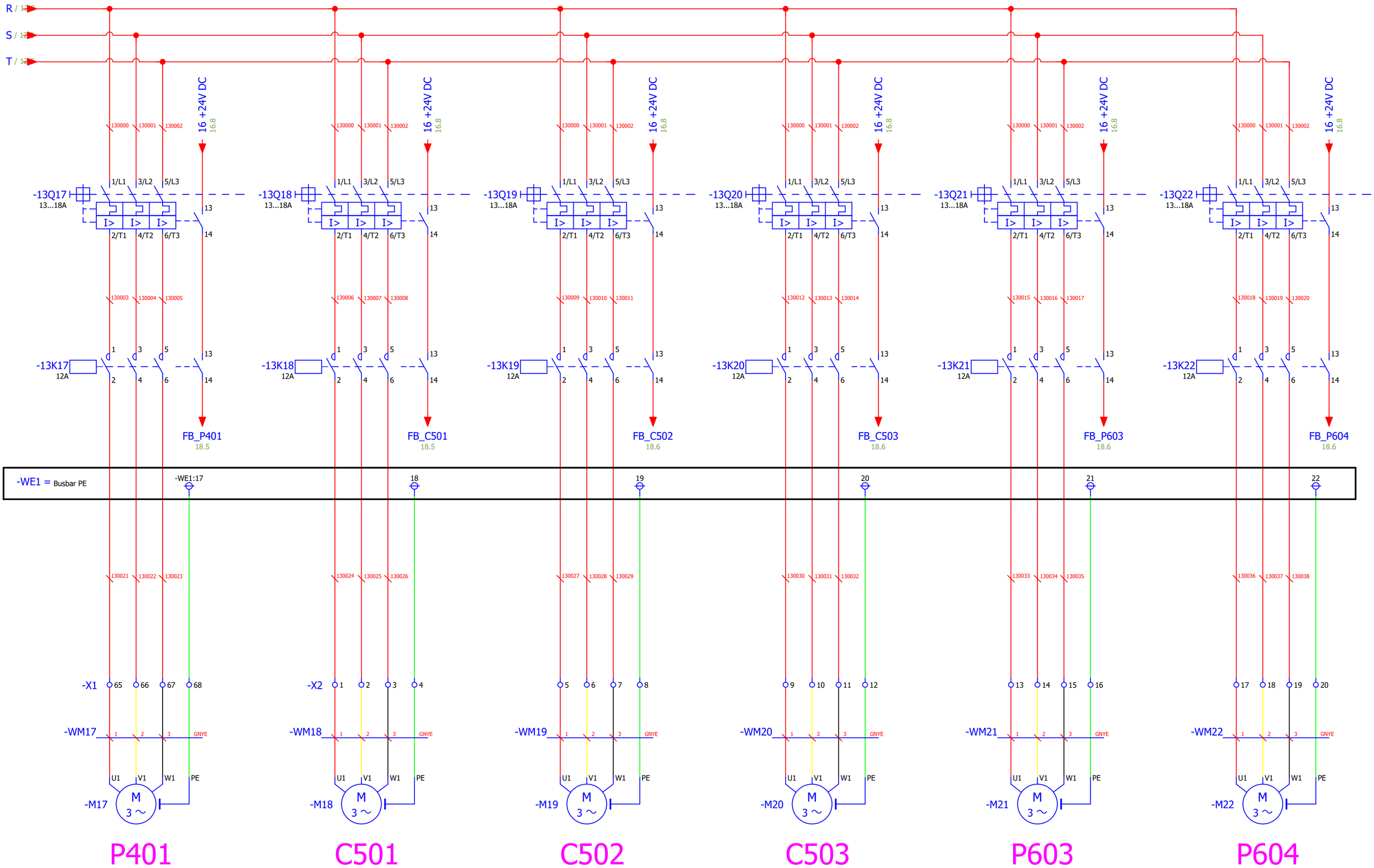
Modification	Date	Name	Original		Replacement of	Replaced by					Page 12 / 38



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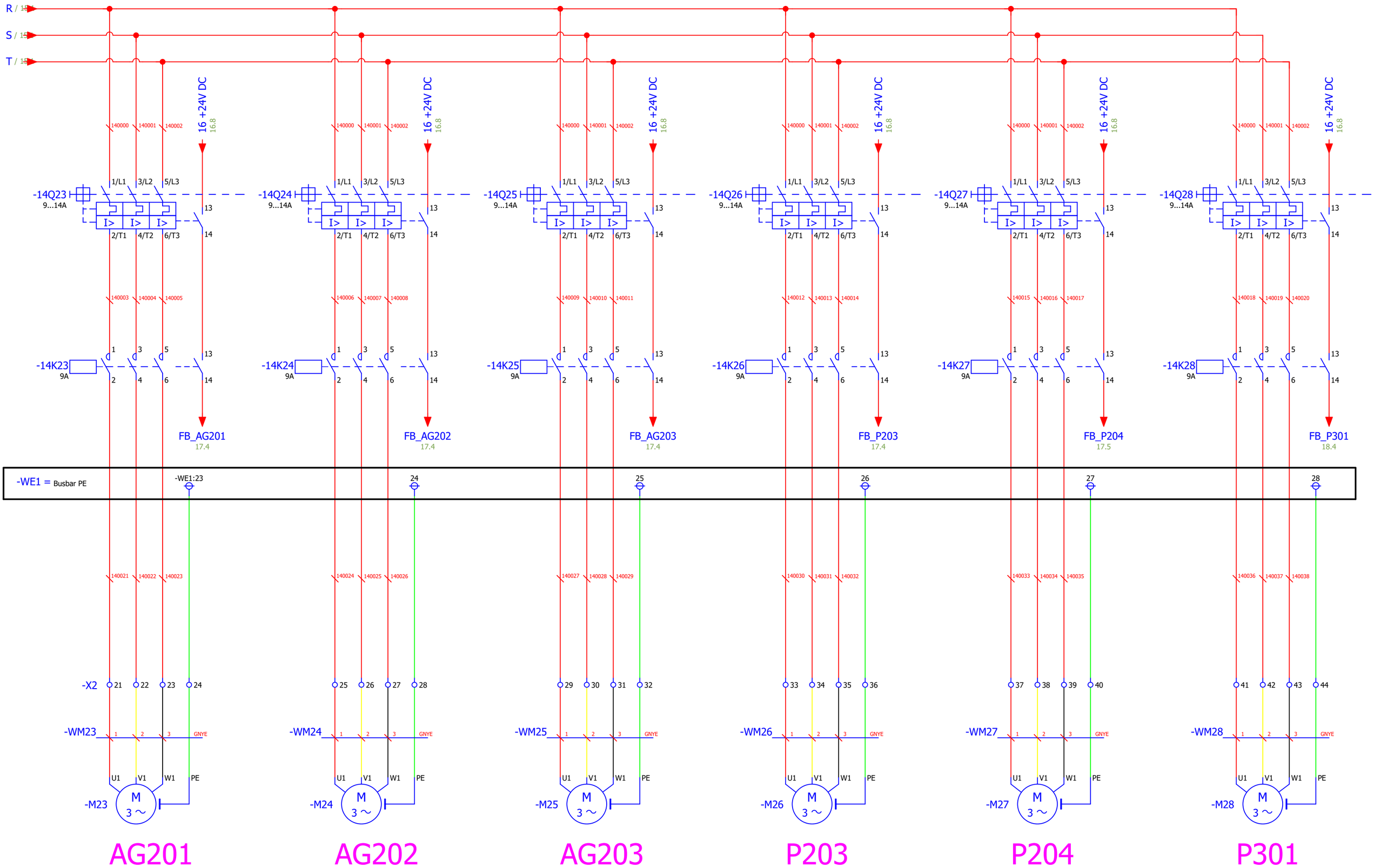
Modification	Date	Name	Original		Replacement of	Replaced by				Page 13 / 38



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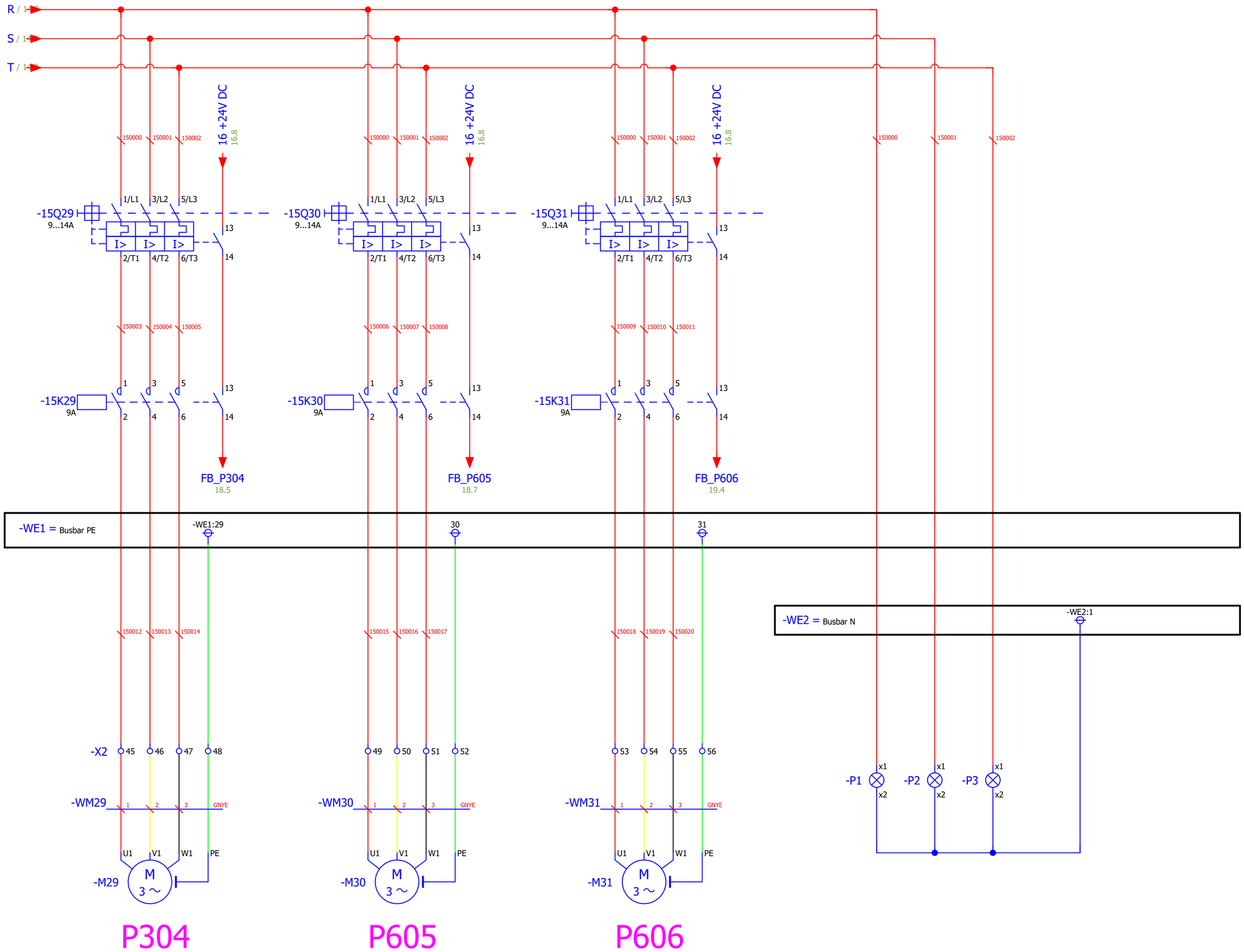
Modification	Date	Name	Original		Replacement of	Replaced by				Page 14 / 38



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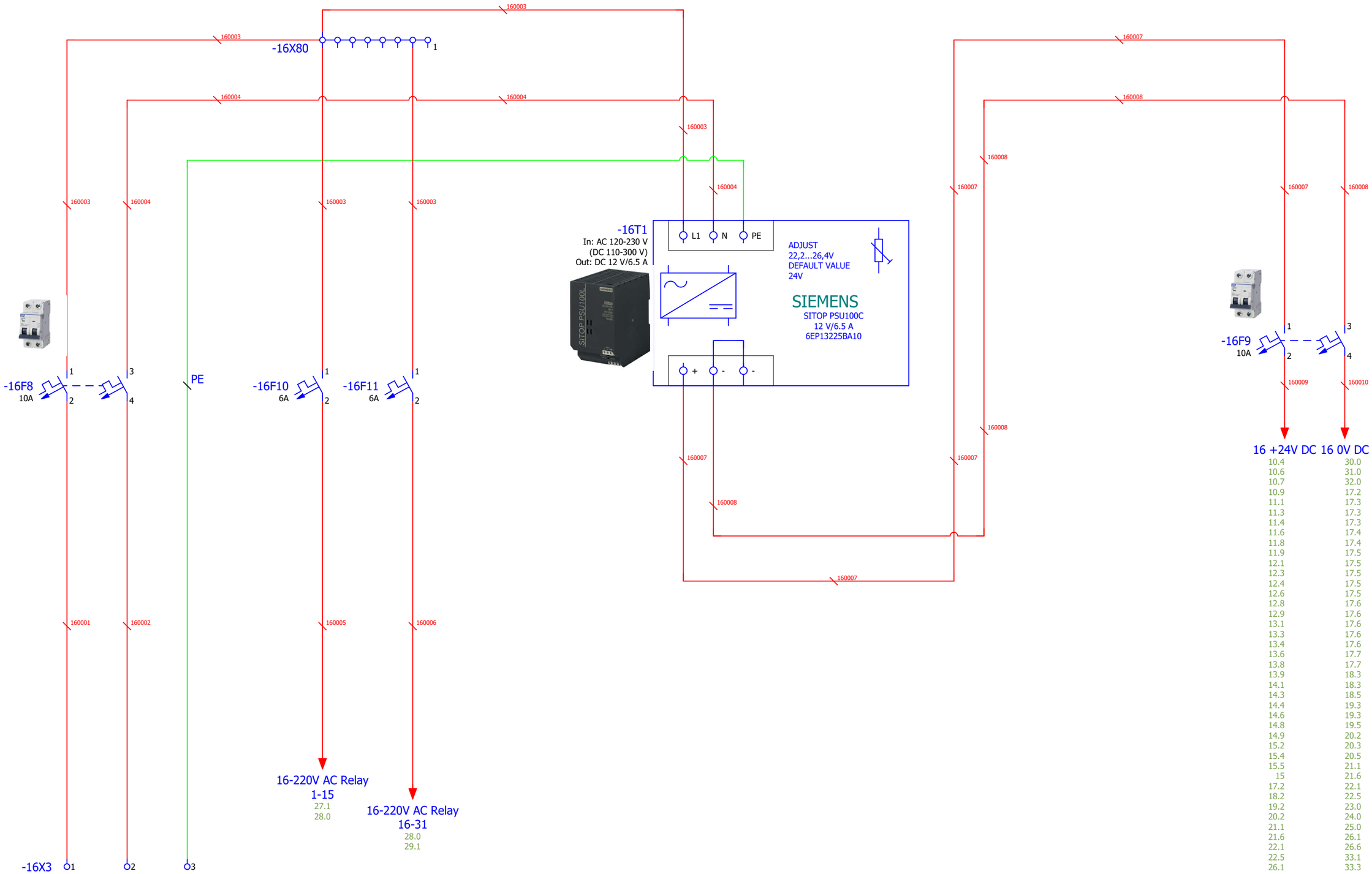
Modification	Date	Name	Original		Replacement of	Replaced by				Page 15 / 38



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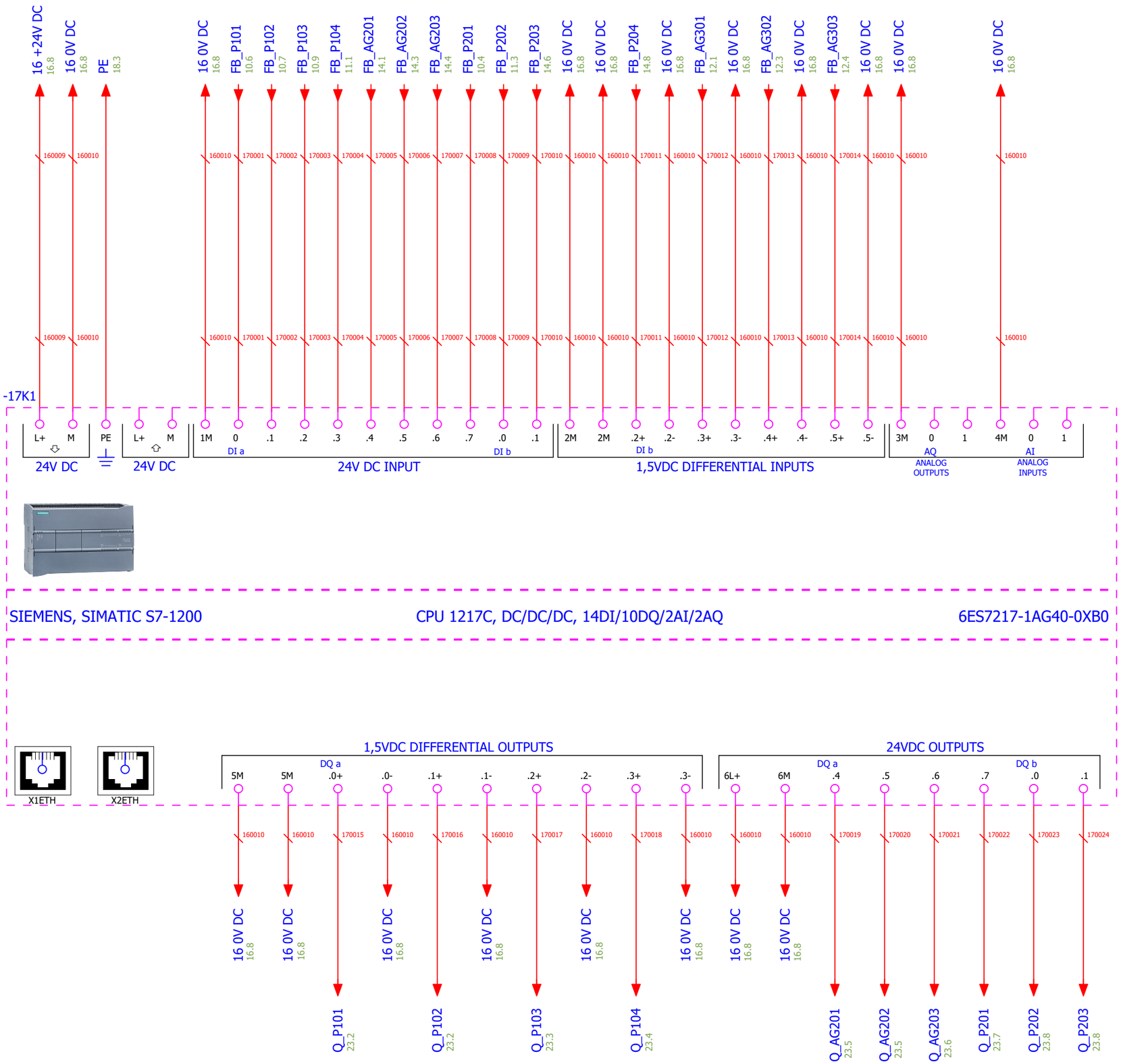
Modification	Date	Name	Original		Replacement of	Replaced by				Page 16 / 38	



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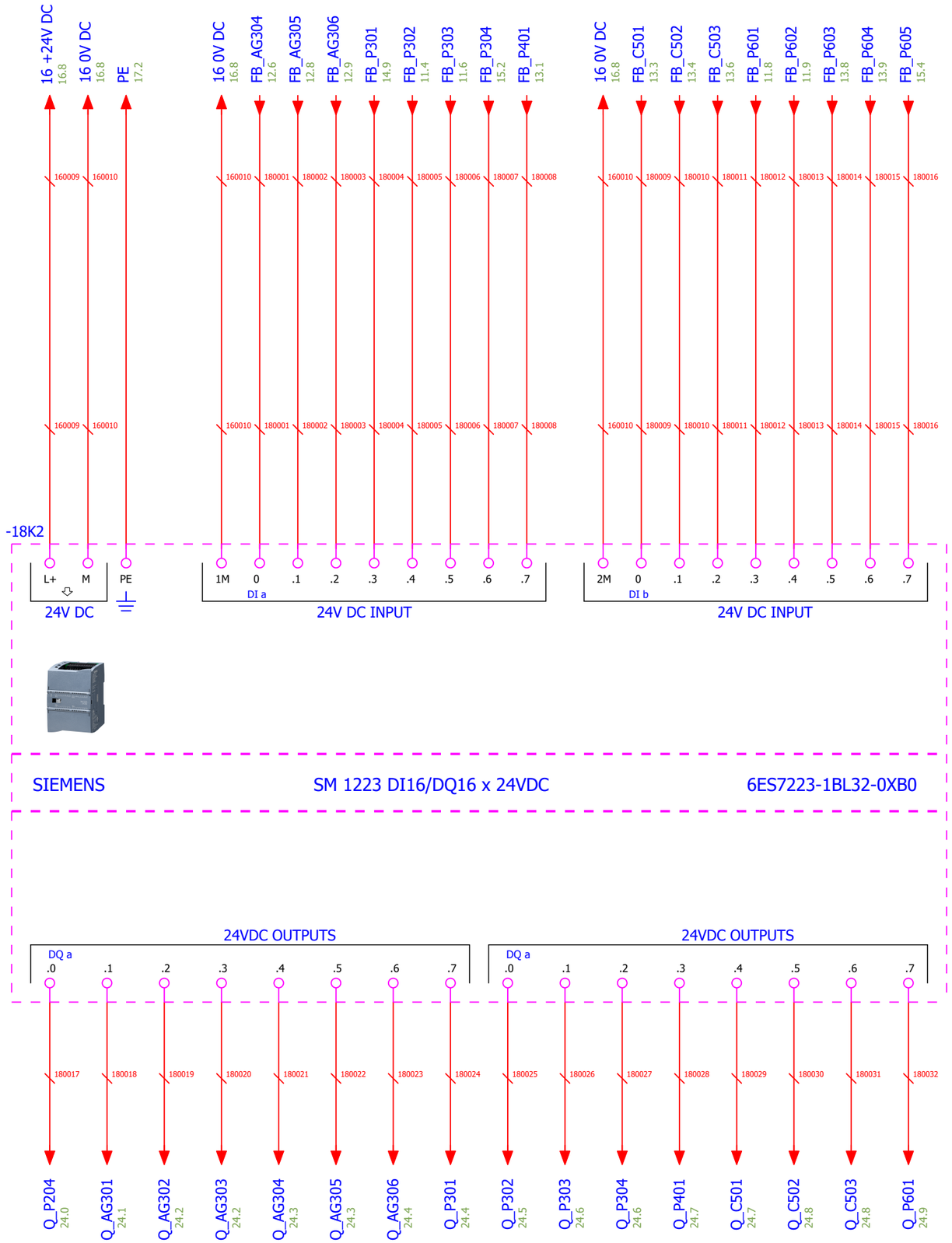
Modification	Date	Name	Original		Replacement of	Replaced by				Page	17 / 38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16 0V DC 16.8
PE 17.2
16 0V DC 16.8
FB_AG304 12.6
FB_AG305 12.8
FB_AG306 12.9
FB_P301 14.9
FB_P302 11.4
FB_P303 11.6
FB_P304 15.2
FB_P401 13.1
16 0V DC 16.8
FB_C501 13.3
FB_C502 13.4
FB_C503 13.6
FB_P601 11.8
FB_P602 11.9
FB_P603 13.8
FB_P604 13.9
FB_P605 15.4
-18K2
L+ M PE
24V DC
1M 0 .1 .2 .3 .4 .5 .6 .7
DI a
24V DC INPUT
2M 0 .1 .2 .3 .4 .5 .6 .7
DI b
24V DC INPUT
SIEMENS
SM 1223 DI16/DQ16 x 24VDC
6ES7223-1BL32-0XB0
24VDC OUTPUTS
DQ a
.0 .1 .2 .3 .4 .5 .6 .7
24VDC OUTPUTS
DQ a
.0 .1 .2 .3 .4 .5 .6 .7
Q_P204 24.0
Q_AG301 24.1
Q_AG302 24.2
Q_AG303 24.2
Q_AG304 24.3
Q_AG305 24.3
Q_AG306 24.4
Q_P301 24.4
Q_P302 24.5
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Q_P401 24.7
Q_C501 24.7
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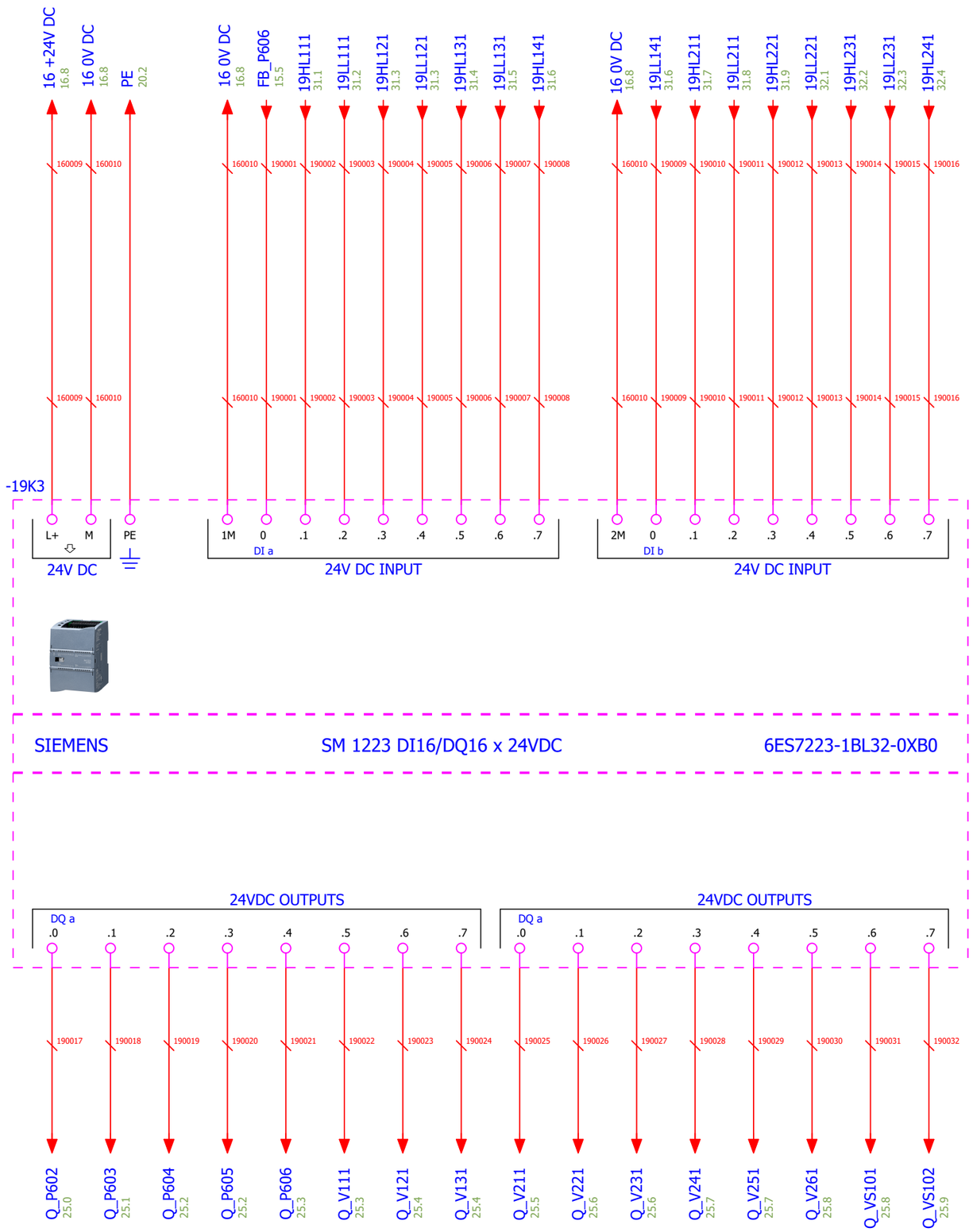
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16 0V DC 16.8
PE 20.2
16 0V DC 16.8
FB_P606 15.5
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19LL111 31.2
19HL121 31.3
19LL121 31.3
19HL131 31.4
19LL131 31.5
19HL141 31.6
16 0V DC 16.8
19LL141 31.6
19HL211 31.7
19LL211 31.8
19HL221 31.9
19LL221 32.1
19HL231 32.2
19LL231 32.3
19HL241 32.4
-19K3
L+ M PE
24V DC
1M 0 .1 .2 .3 .4 .5 .6 .7
DI a
24V DC INPUT
2M 0 .1 .2 .3 .4 .5 .6 .7
DI b
24V DC INPUT
SIEMENS
SM 1223 DI16/DQ16 x 24VDC
6ES7223-1BL32-0XB0
24VDC OUTPUTS
DQ a
.0 .1 .2 .3 .4 .5 .6 .7
24VDC OUTPUTS
DQ a
.0 .1 .2 .3 .4 .5 .6 .7
Q_P602 25.0
Q_P603 25.1
Q_P604 25.2
Q_P605 25.2
Q_P606 25.3
Q_V111 25.3
Q_V121 25.4
Q_V131 25.4
Q_V211 25.5
Q_V221 25.6
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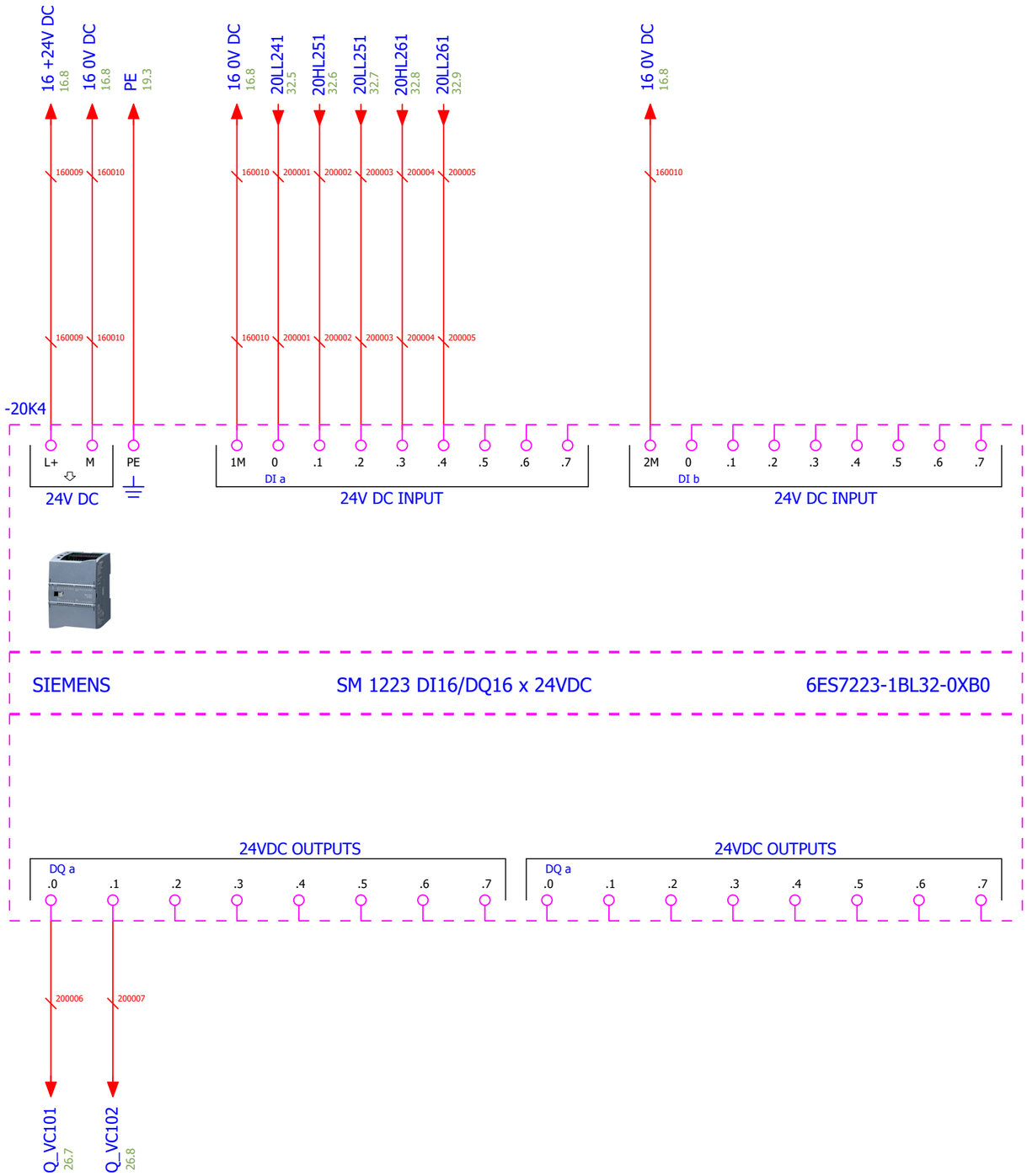

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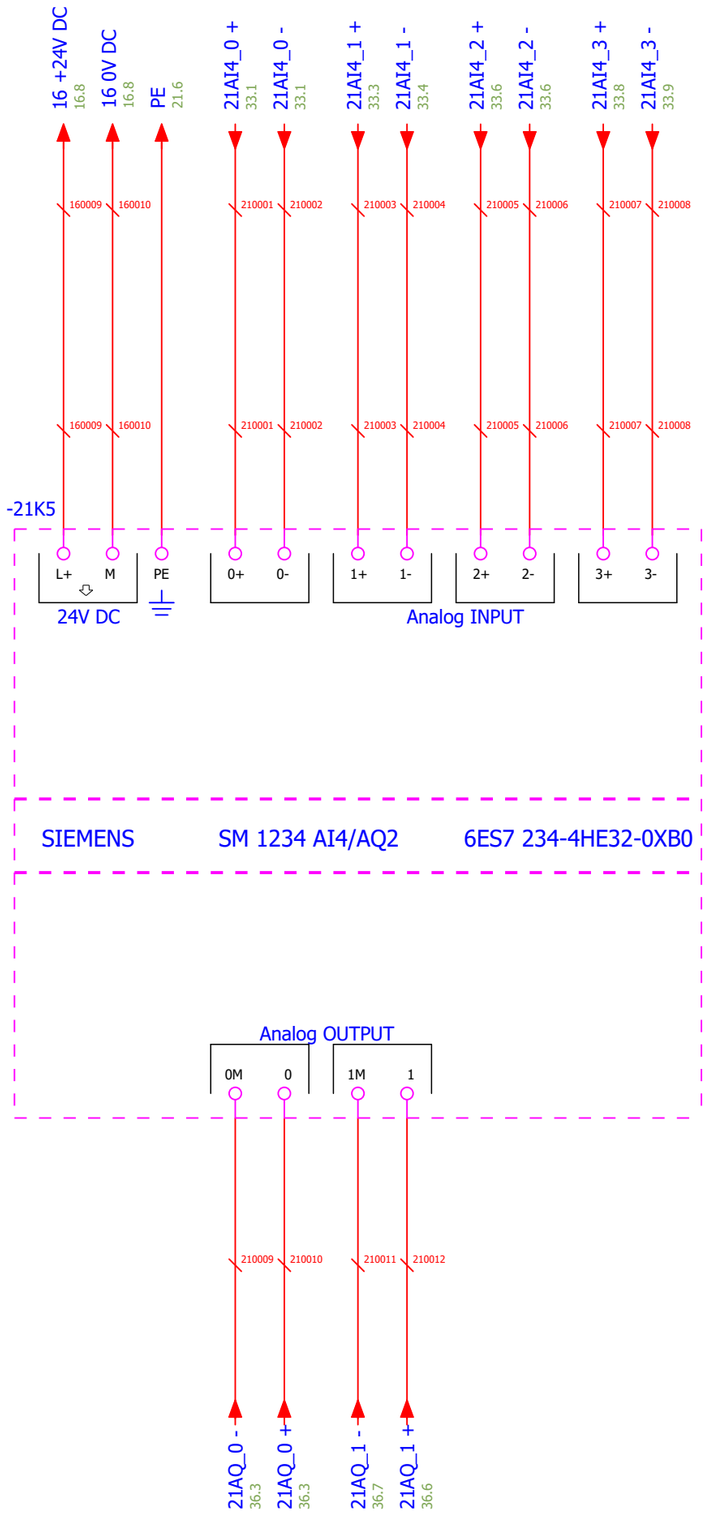
Modification	Date	Name	Original		Replacement of	Replaced by					Page 20 / 38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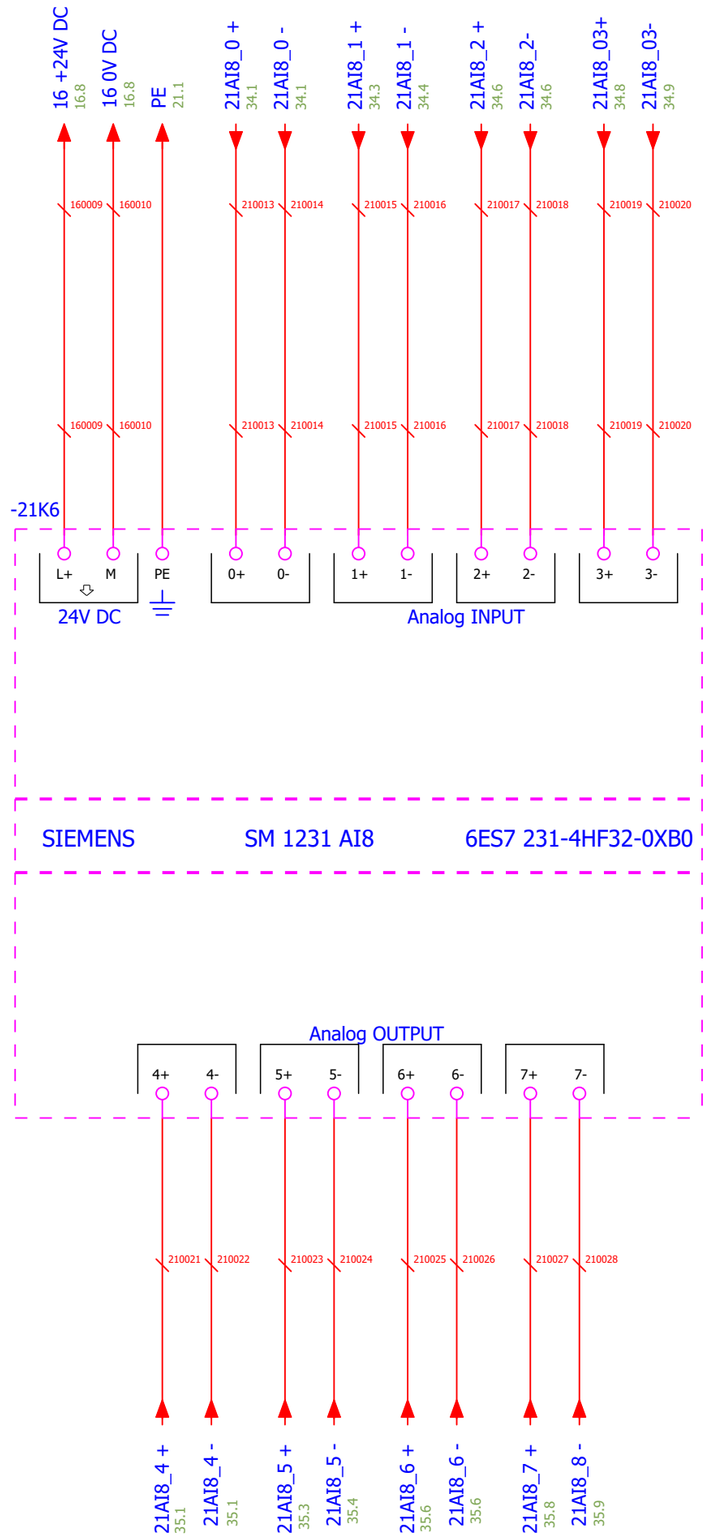
16 0V DC 16.8
PE 21.6
21AI4_0 + 33.1
21AI4_0 - 33.1
21AI4_1 + 33.3
21AI4_1 - 33.4
21AI4_2 + 33.6
21AI4_2 - 33.6
21AI4_3 + 33.8
21AI4_3 - 33.9
160009 160010
210001 210002
210003 210004
210005 210006
210007 210008
-21K5
L+ M PE
24V DC
0+ 0-
1+ 1-
2+ 2-
3+ 3-
Analog INPUT
SIEMENS
SM 1234 AI4/AQ2
6ES7 234-4HE32-0XB0
Analog OUTPUT
0M 0
1M 1
210009 210010
210011 210012
21AQ_0 - 36.3
21AQ_0 + 36.3
21AQ_1 - 36.7
21AQ_1 + 36.6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16 0V DC 16.8
PE 21.1
21AI8_0 + 34.1
21AI8_0 - 34.1
21AI8_1 + 34.3
21AI8_1 - 34.4
21AI8_2 + 34.6
21AI8_2- 34.6
21AI8_03+ 34.8
21AI8_03- 34.9
160009 160010
210013 210014
210015 210016
210017 210018
210019 210020
-21K6
L+ M PE
24V DC
0+ 0-
1+ 1-
2+ 2-
3+ 3-
Analog INPUT
SIEMENS
SM 1231 AI8
6ES7 231-4HF32-0XB0
Analog OUTPUT
4+ 4-
5+ 5-
6+ 6-
7+ 7-
210021 210022
210023 210024
210025 210026
210027 210028
21AI8_4 + 35.1
21AI8_4 - 35.1
21AI8_5 + 35.3
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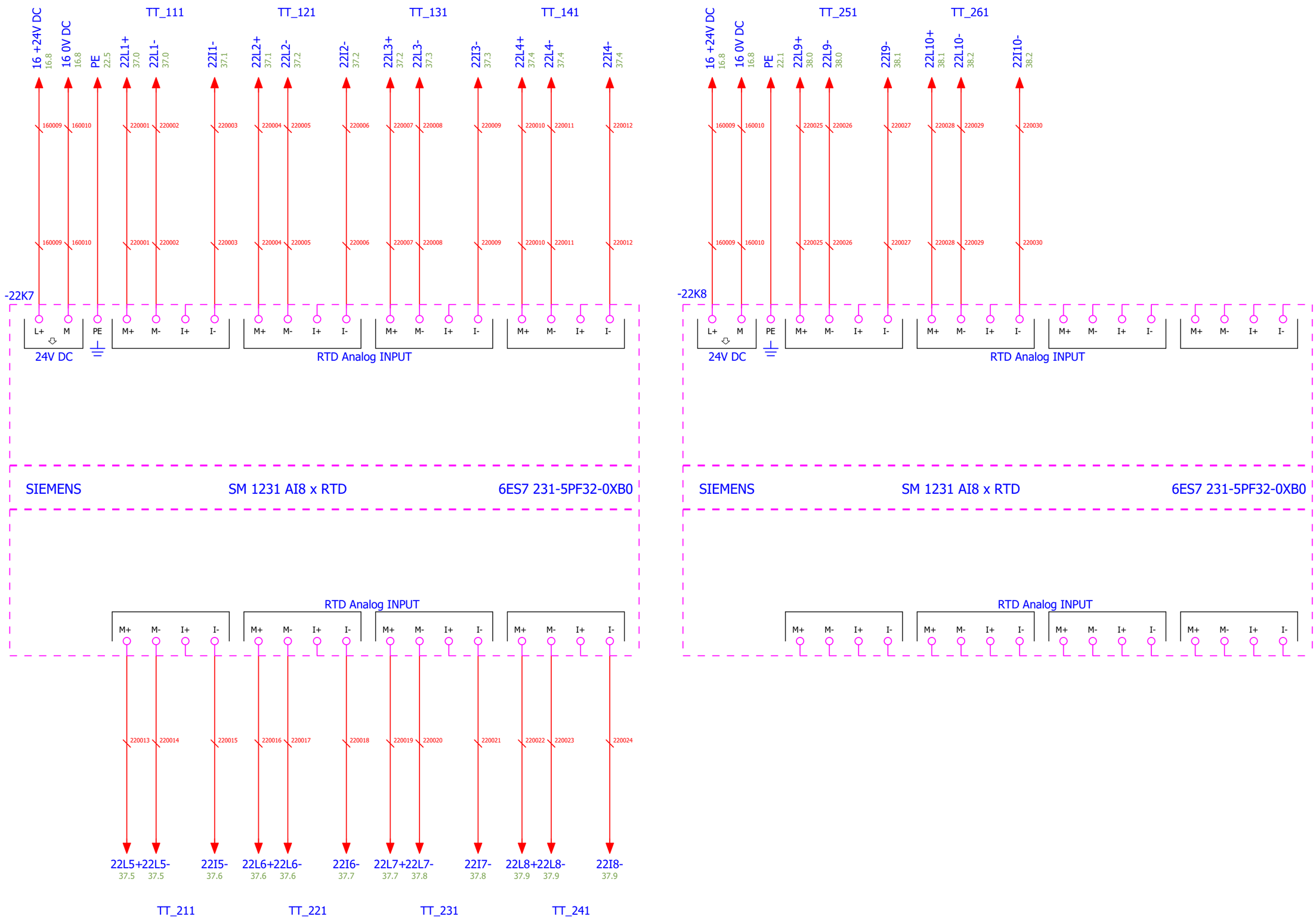

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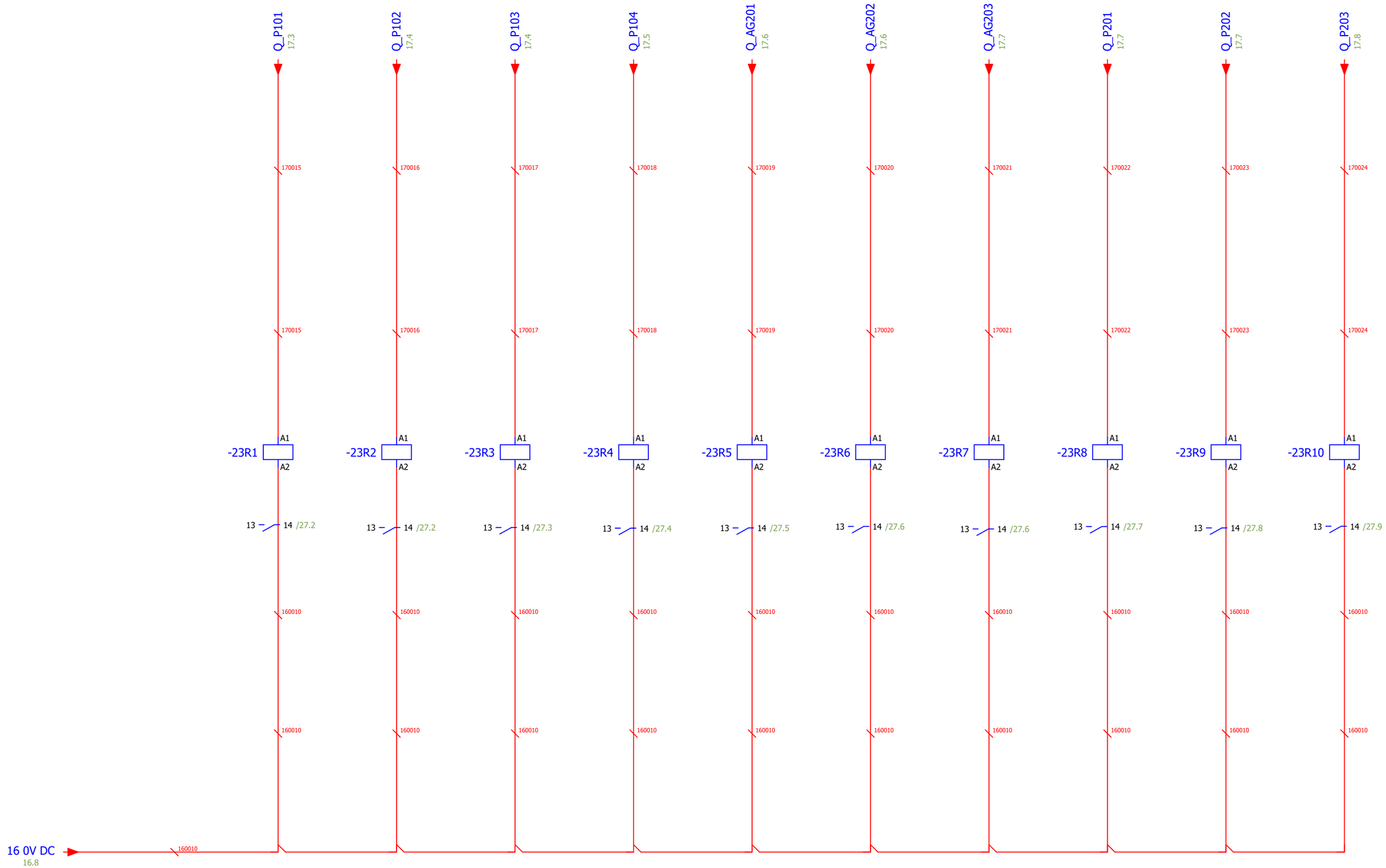
Modification	Date	Name	Original		Replacement of	Replaced by				Page	22 / 38



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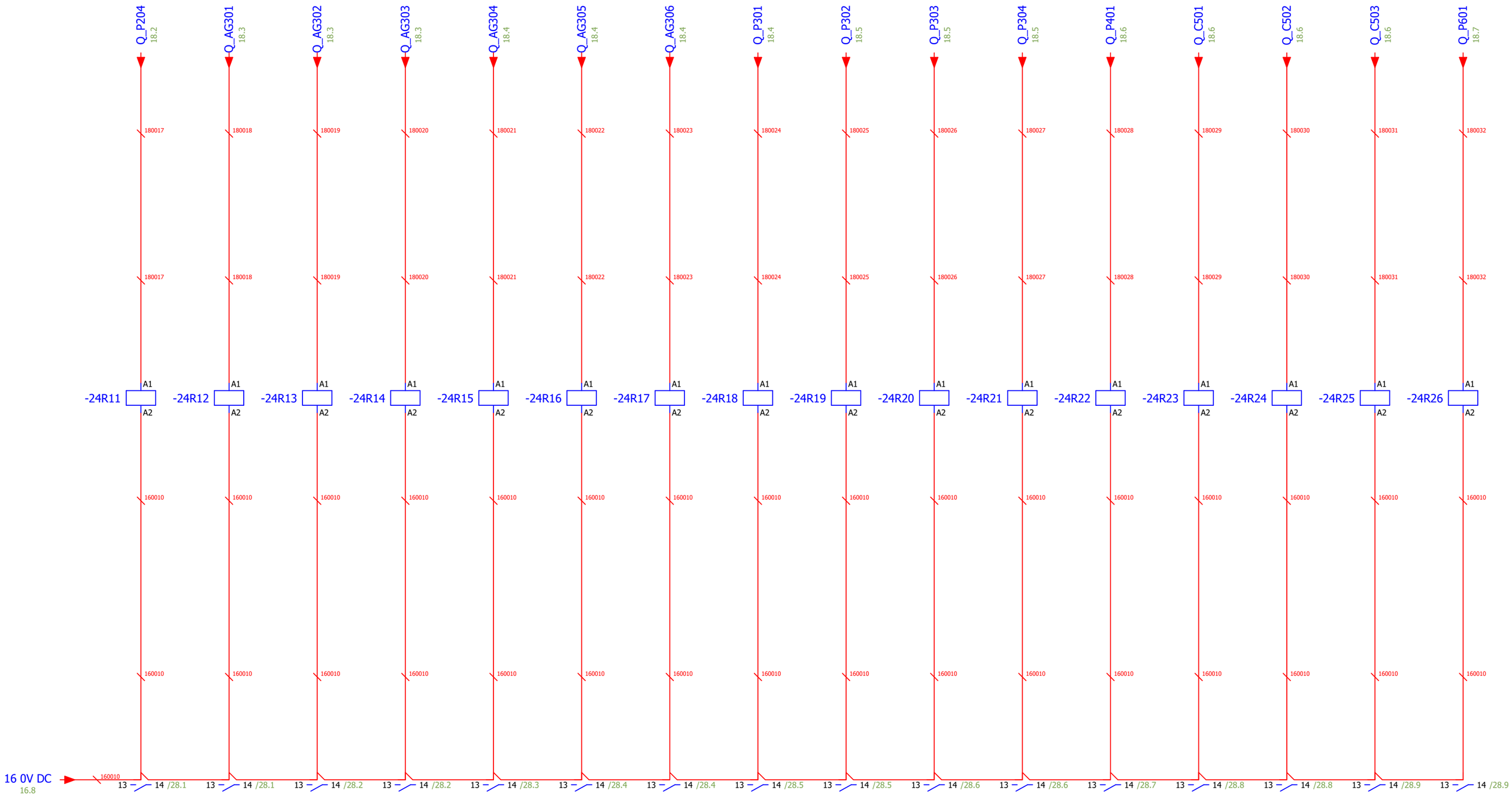
Modification	Date	Name	Original		Replacement of	Replaced by					Page 23 / 38



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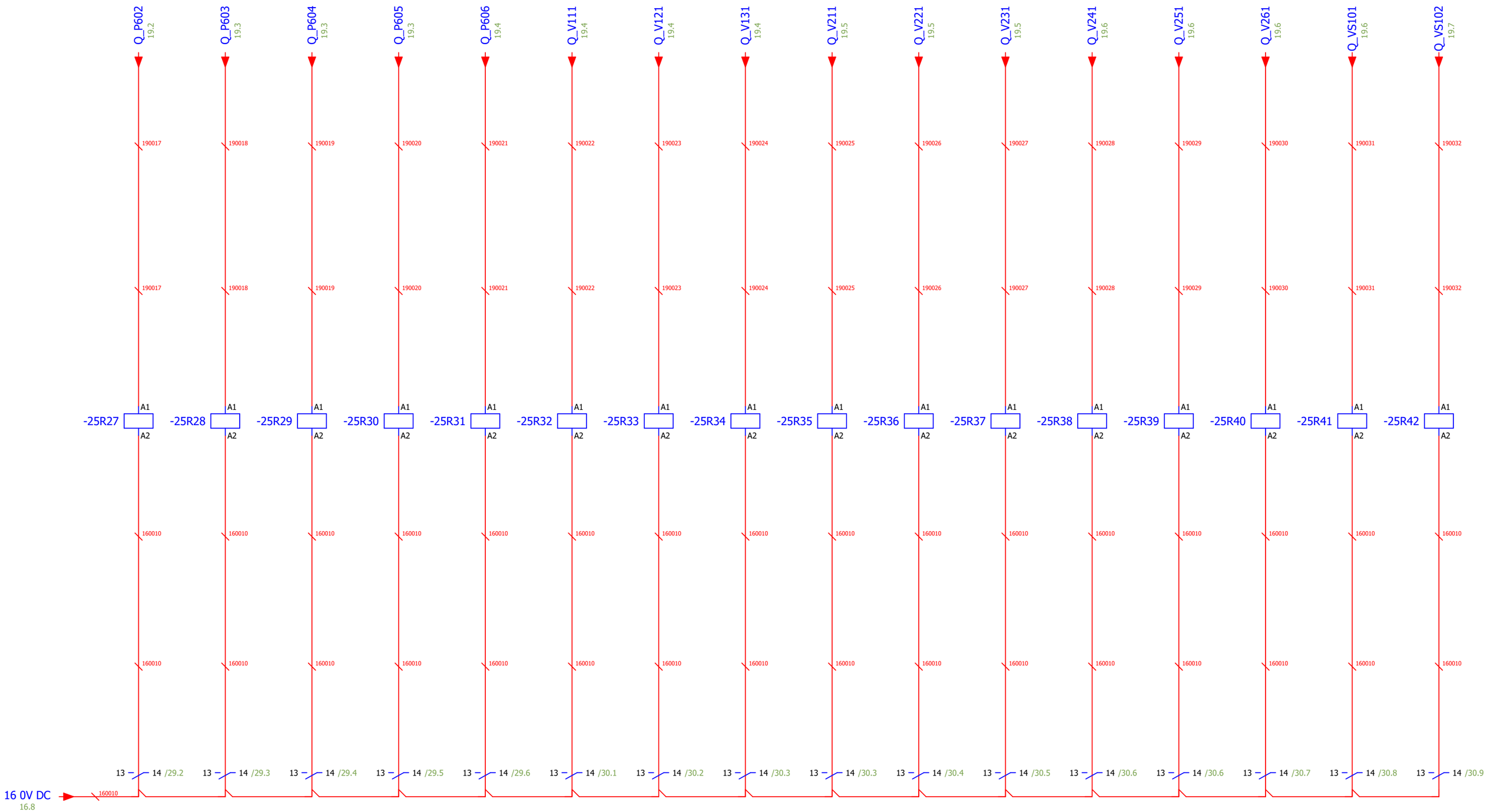
Modification	Date	Name	Original		Replacement of	Replaced by					Page 24 / 38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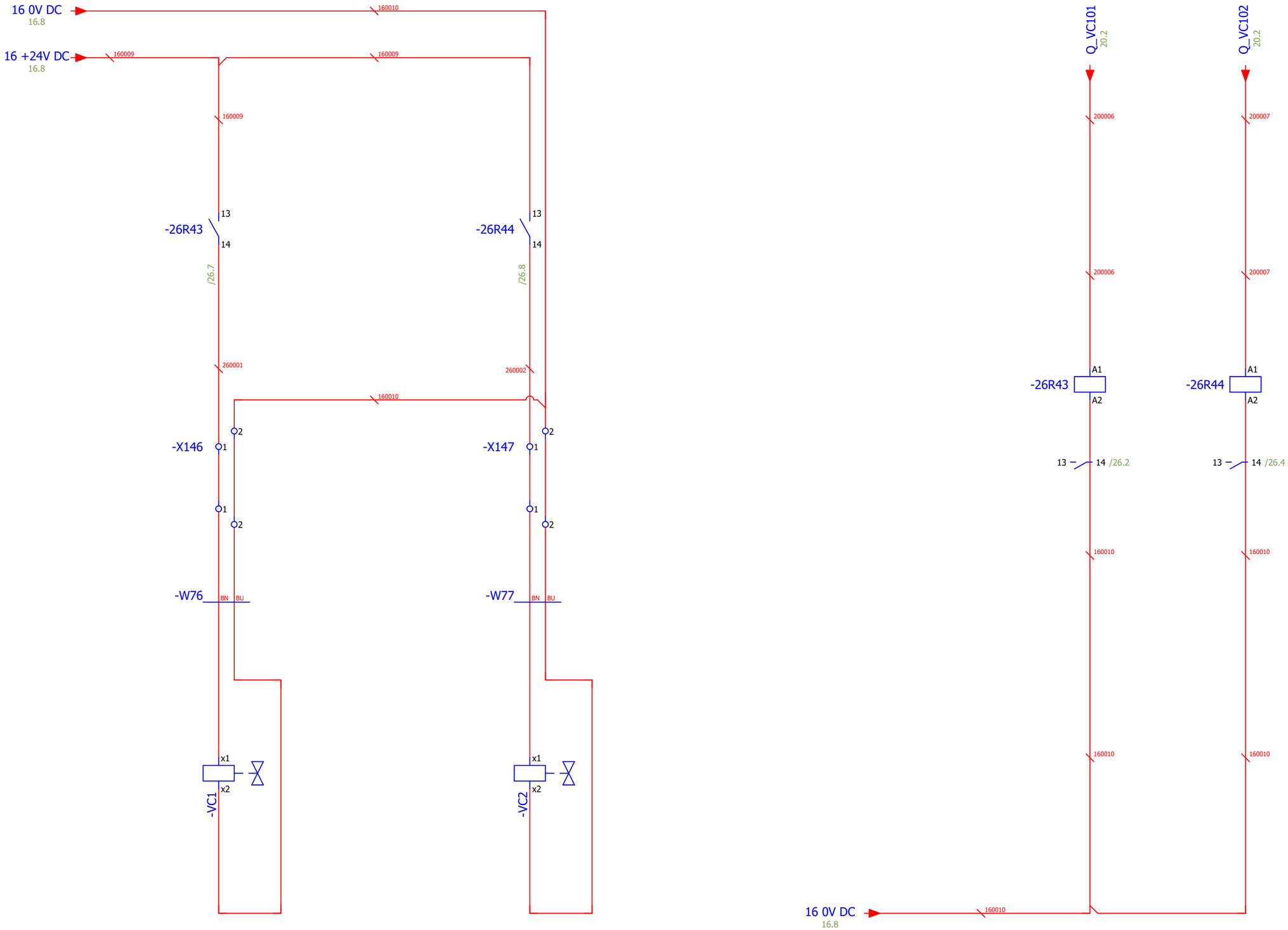

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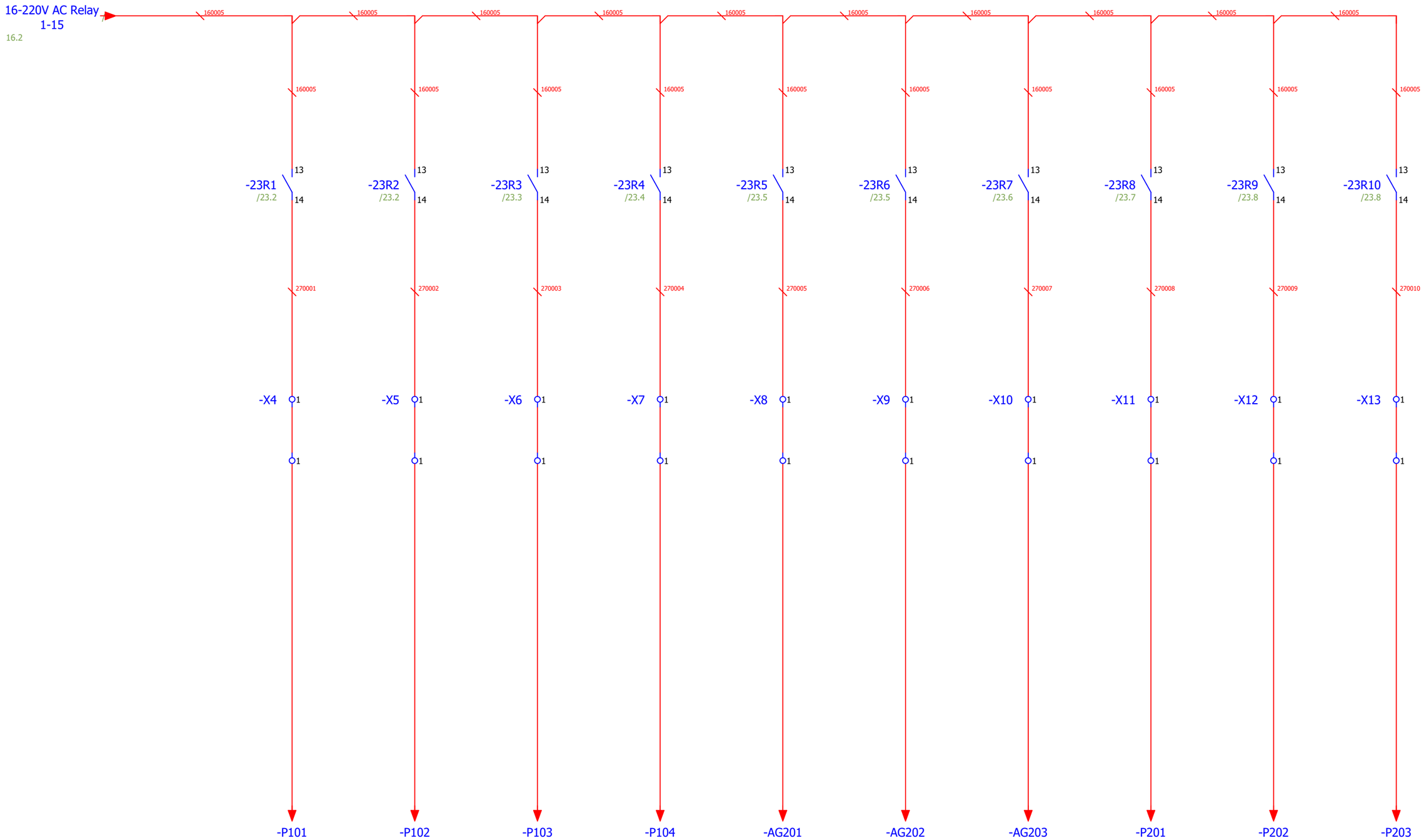
			Appr.		Basic project with identification structure in accordance with	IEC standard: Page structure with function designation and location designation and		document type	IEC_bas003	Page 26
Modification	Date	Name	Original		Replacement of	Replaced by				Page 26 / 38



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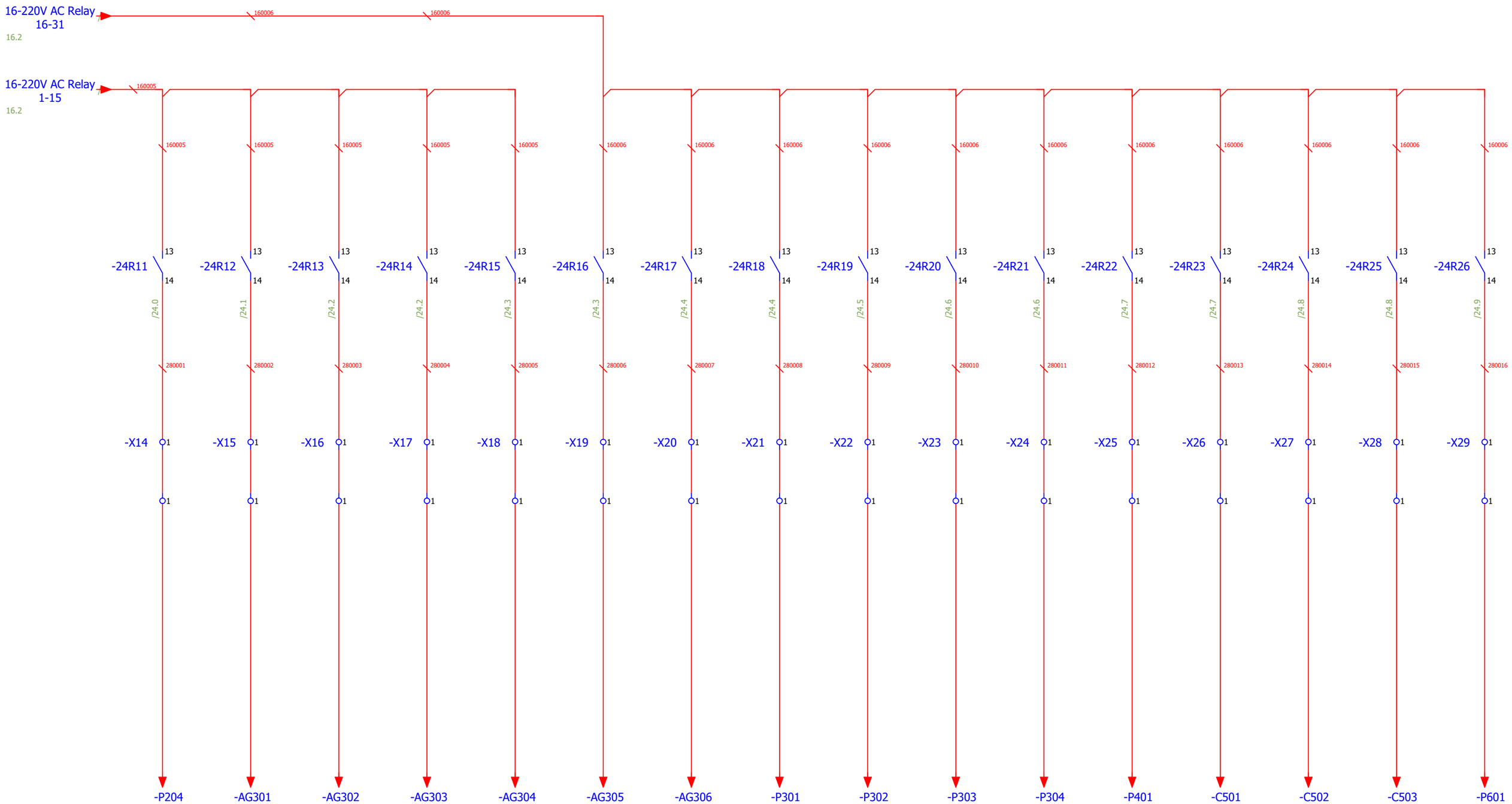
Modification	Date	Name	Original		Replacement of	Replaced by				Page	27 / 38



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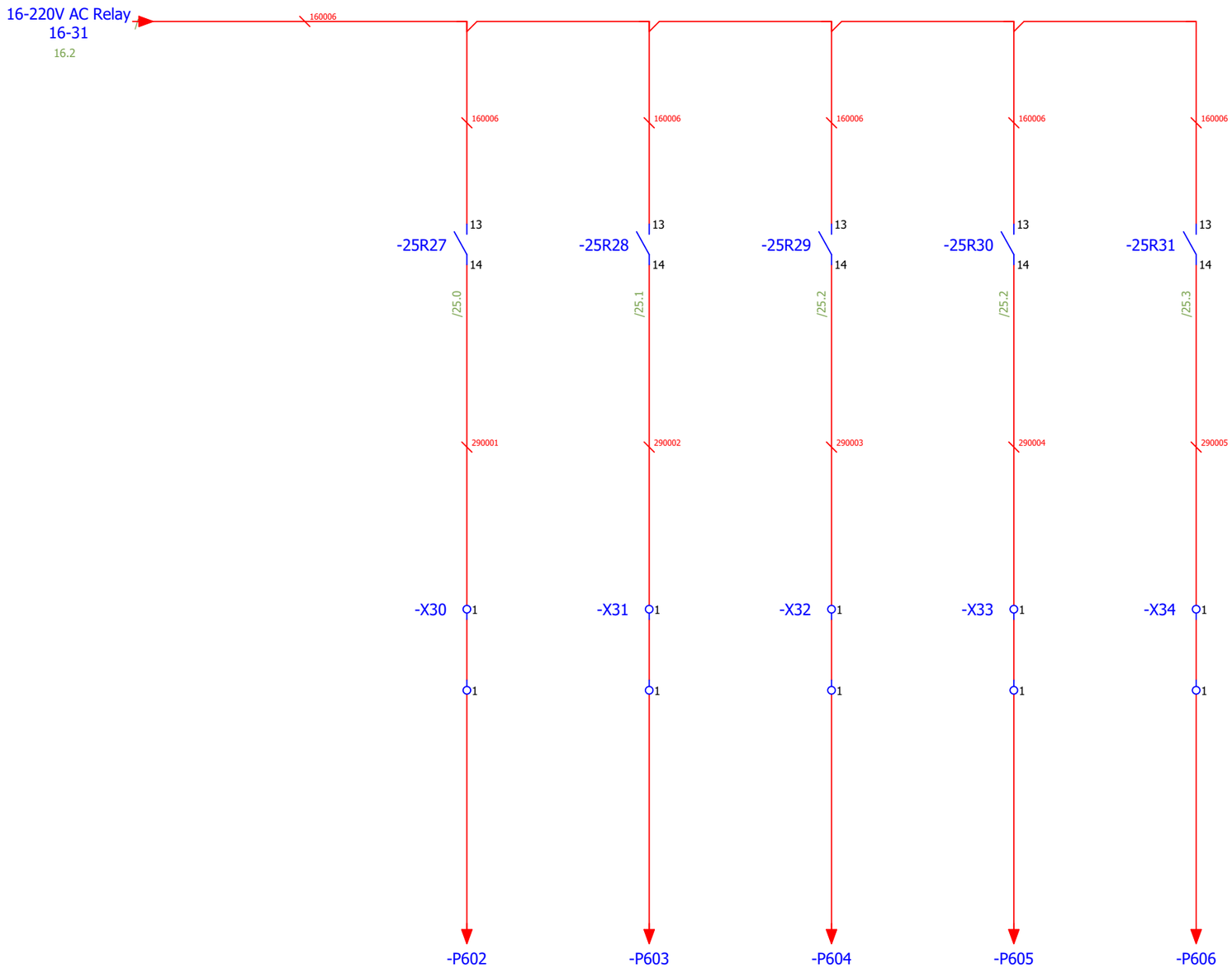
Modification	Date	Name	Original		Replacement of	Replaced by					Page 28 / 38



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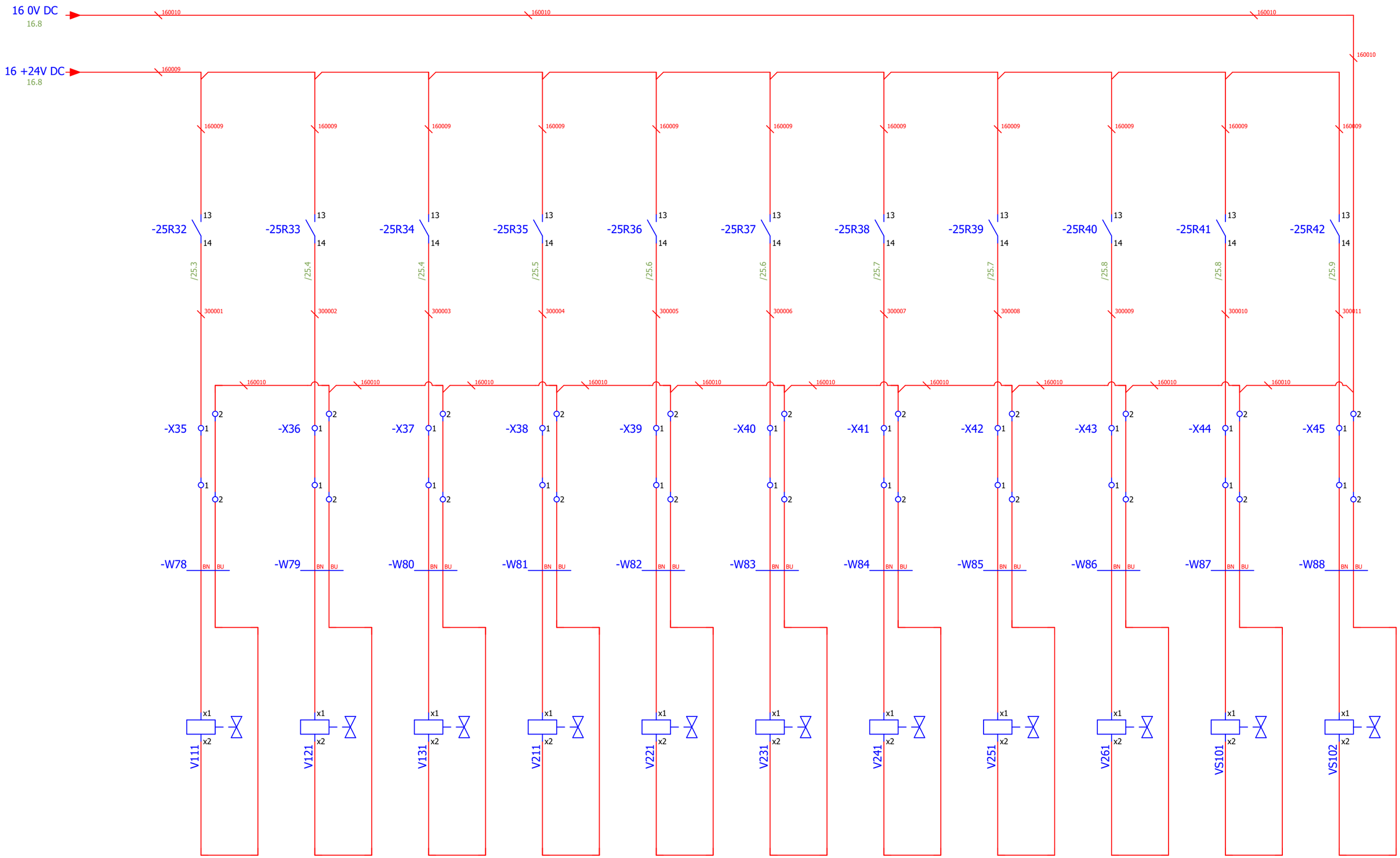
Modification	Date	Name	Original		Replacement of	Replaced by					Page 29 / 38



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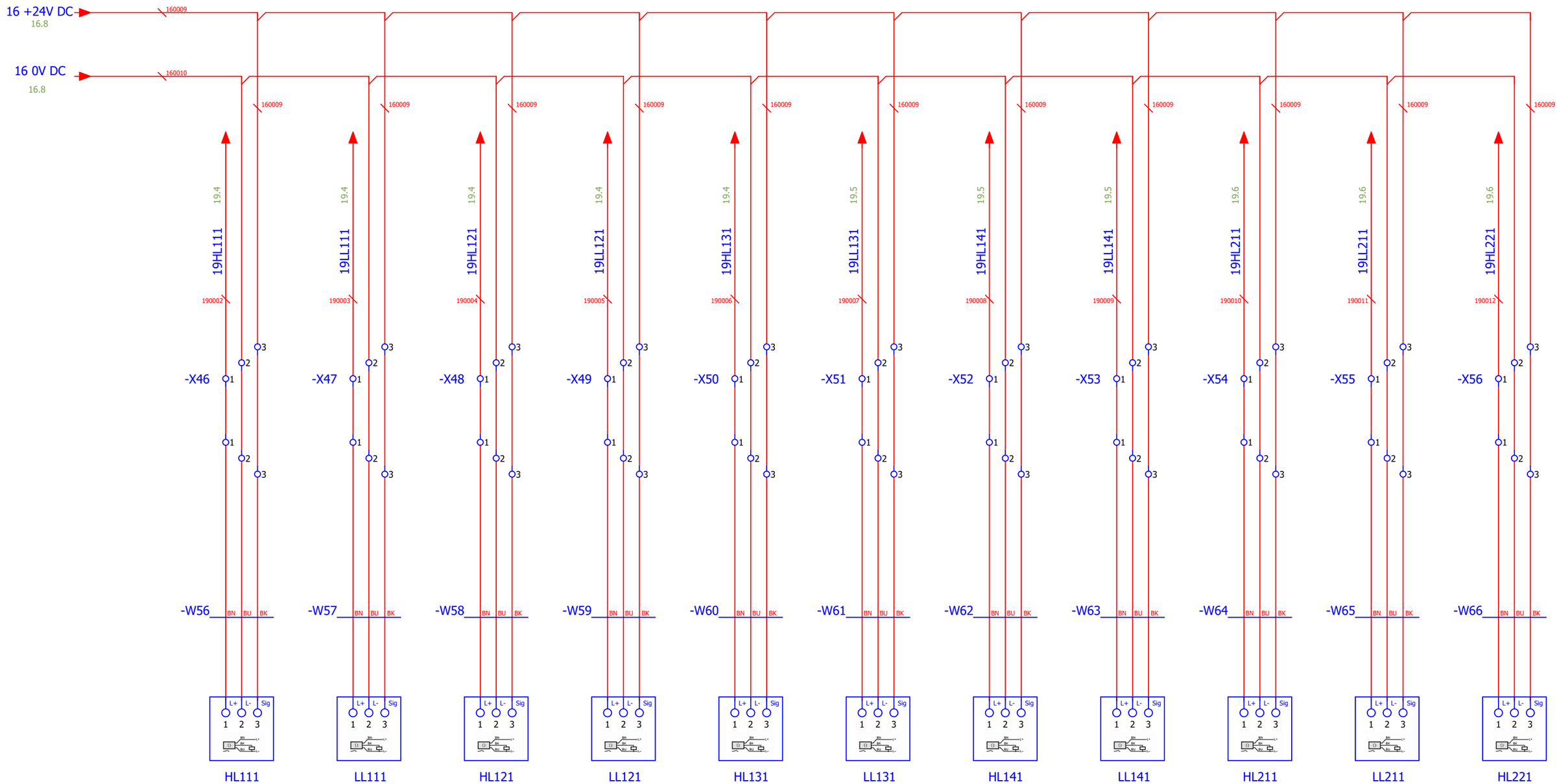
Modification	Date	Name	Original		Replacement of	Replaced by				Page	30 / 38



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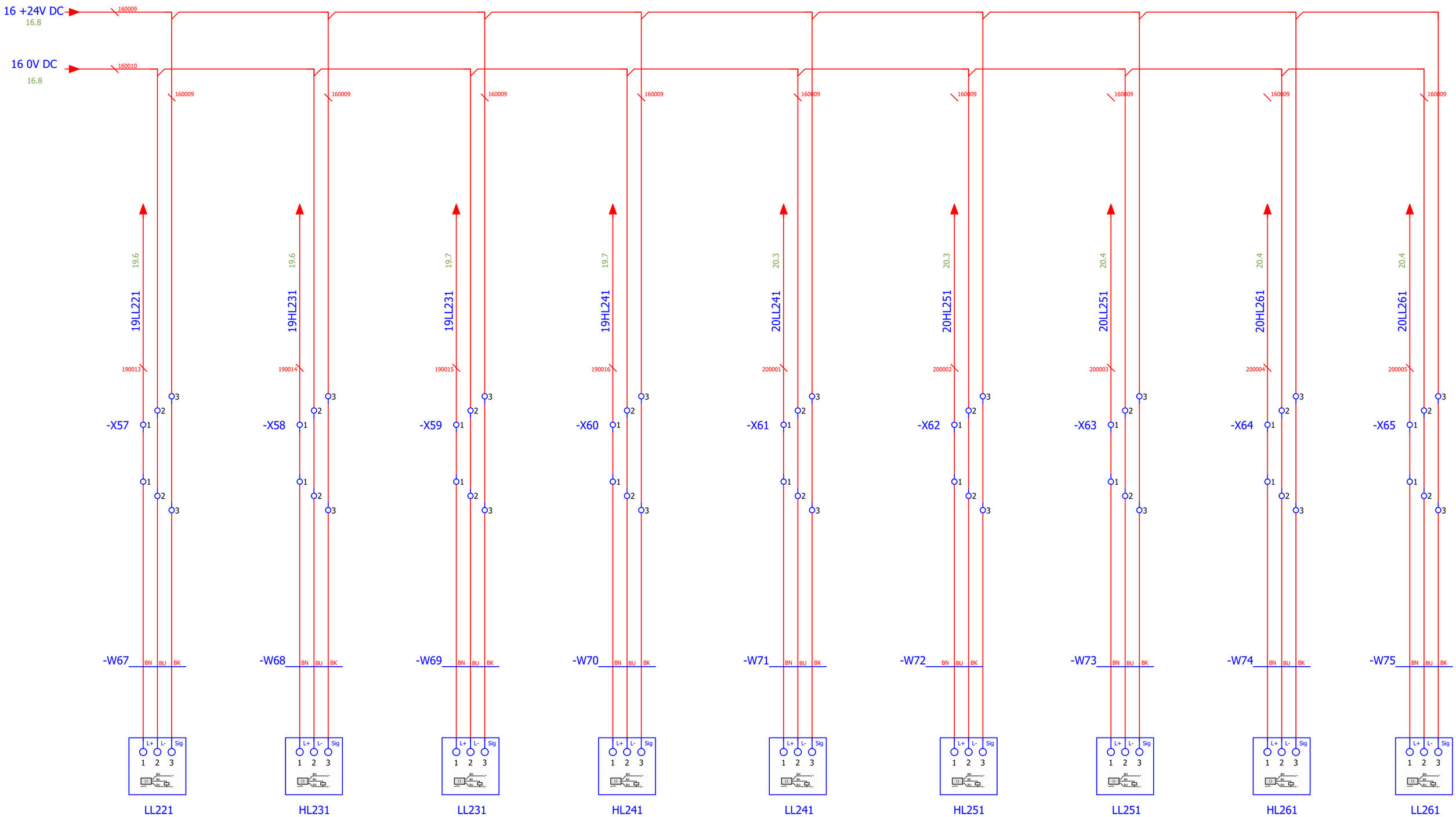
Modification	Date	Name	Original		Replacement of	Replaced by				Page	31 / 38



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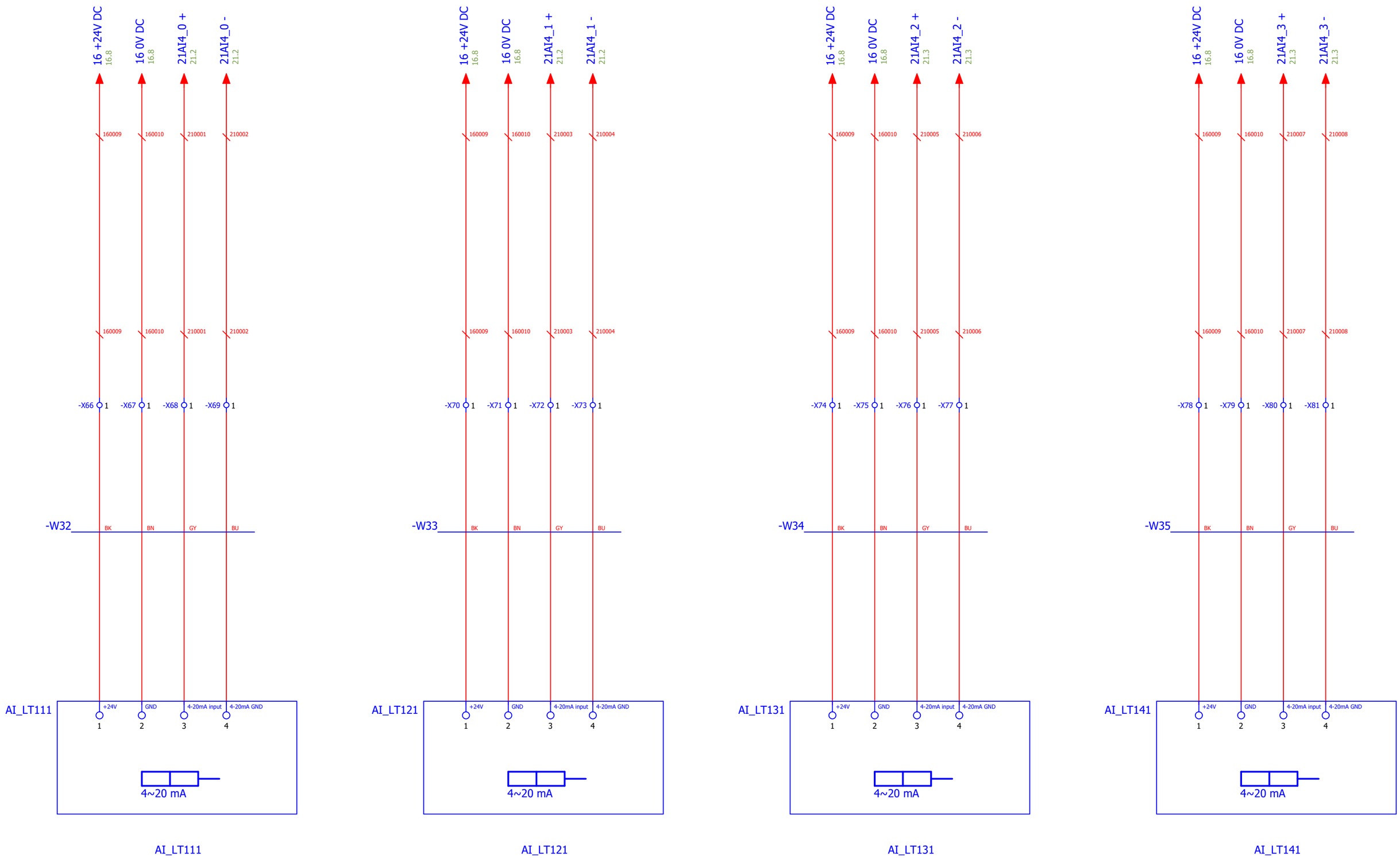
Modification	Date	Name	Original		Replacement of	Replaced by					Page 32 / 38



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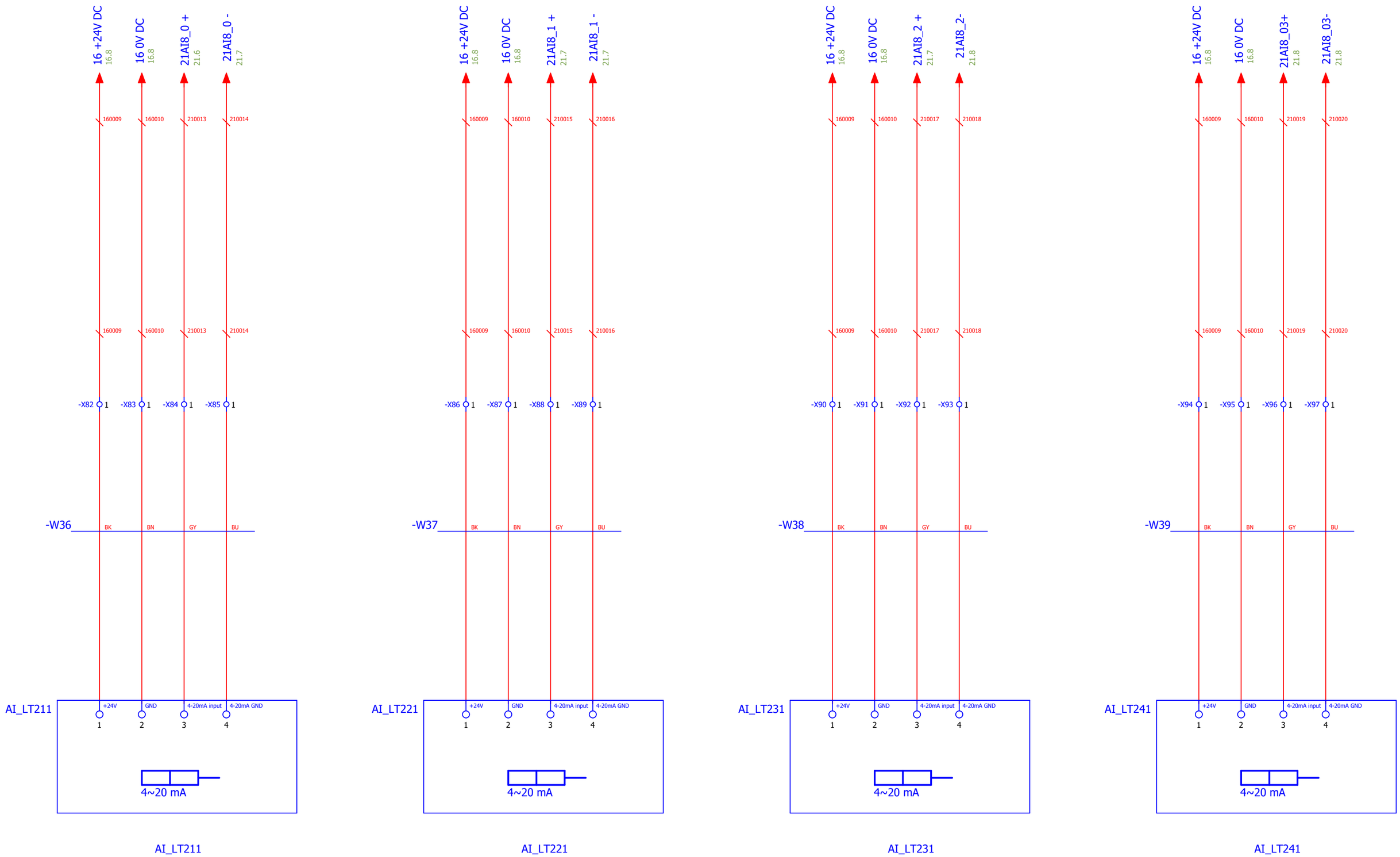
Modification	Date	Name	Original		Replacement of	Replaced by				Page 33 / 38



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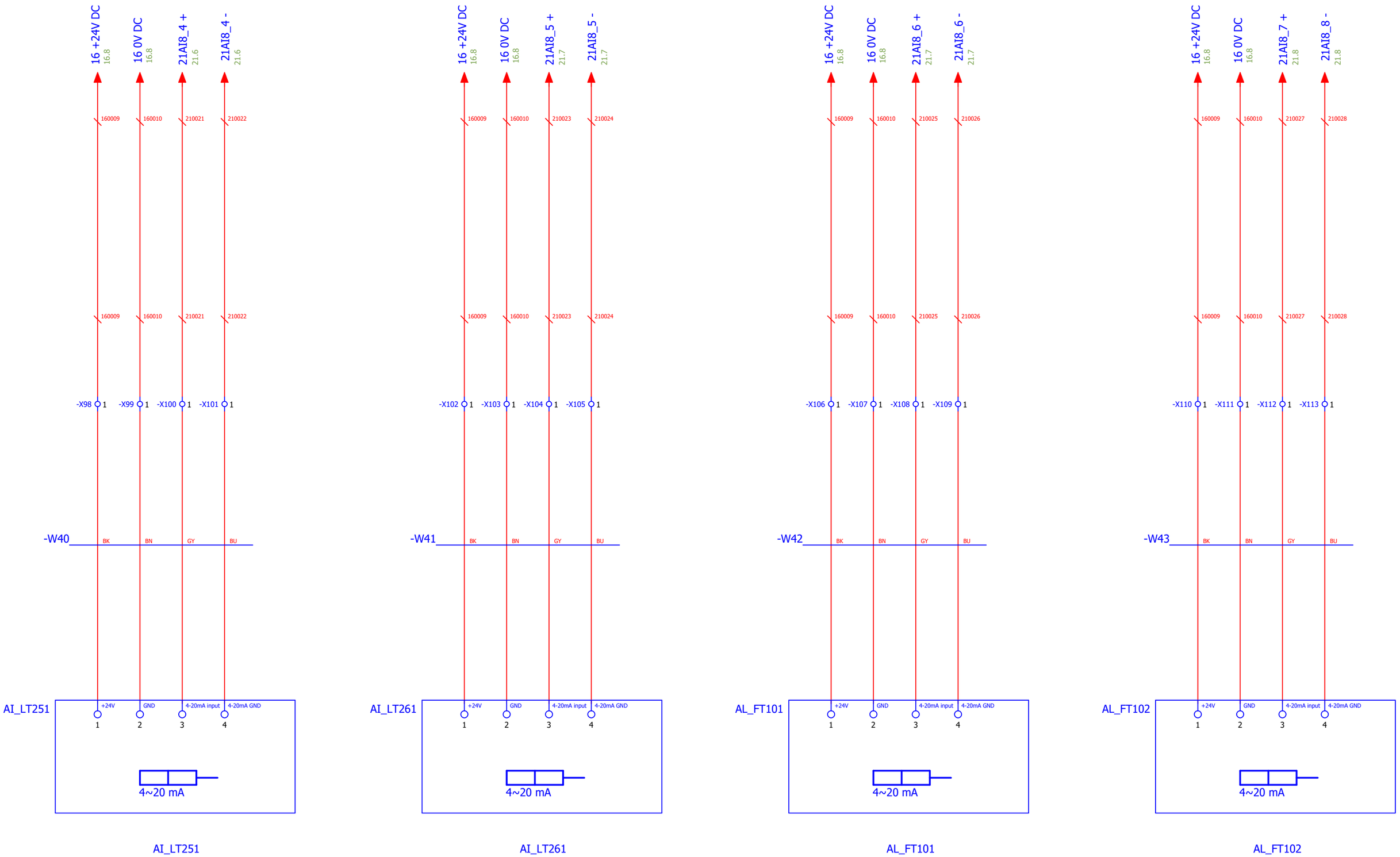
Modification	Date	Name	Original		Replacement of	Replaced by				Page 34 / 38



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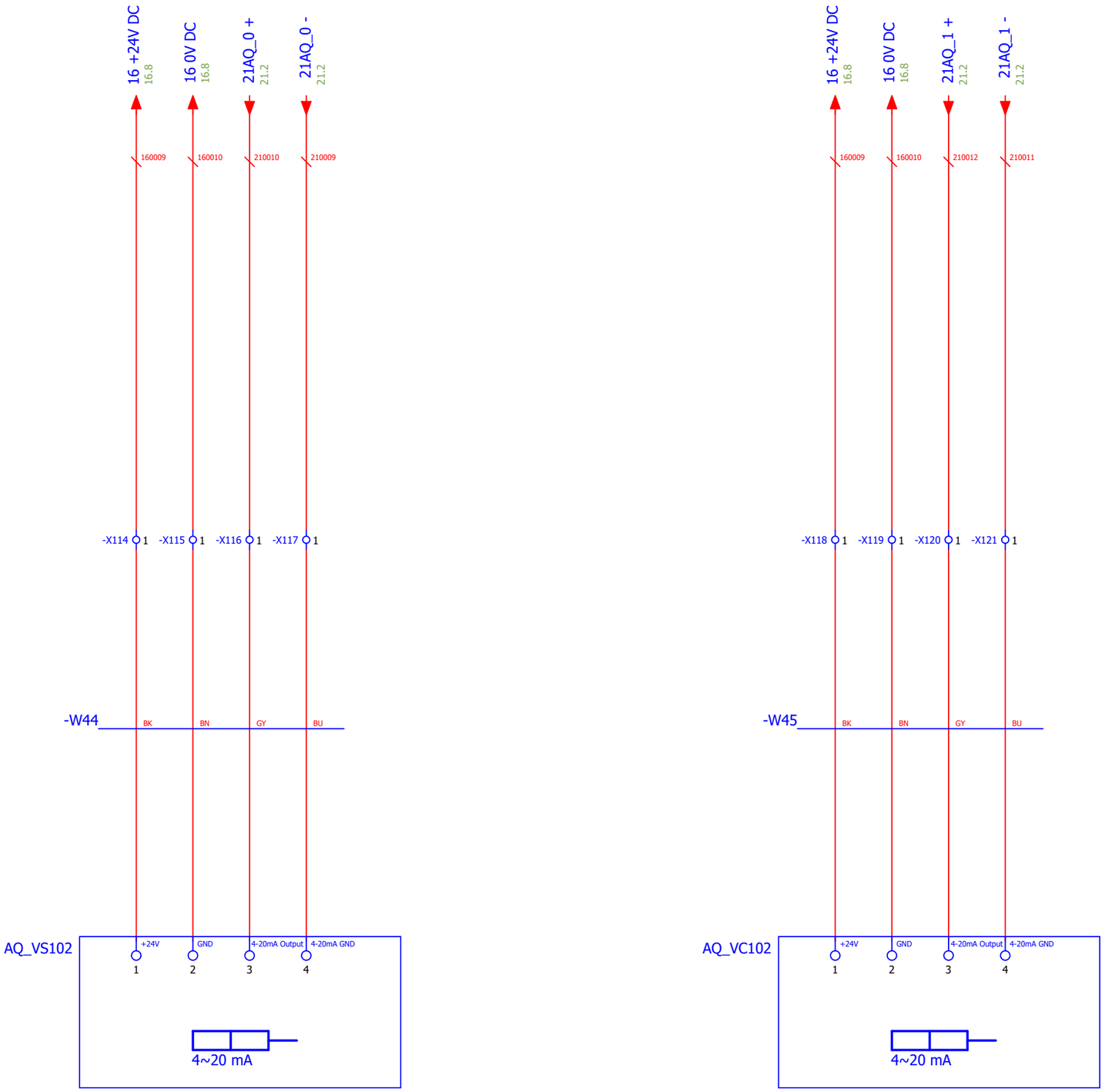
Modification	Date	Name	Original		Replacement of	Replaced by					Page 35 / 38



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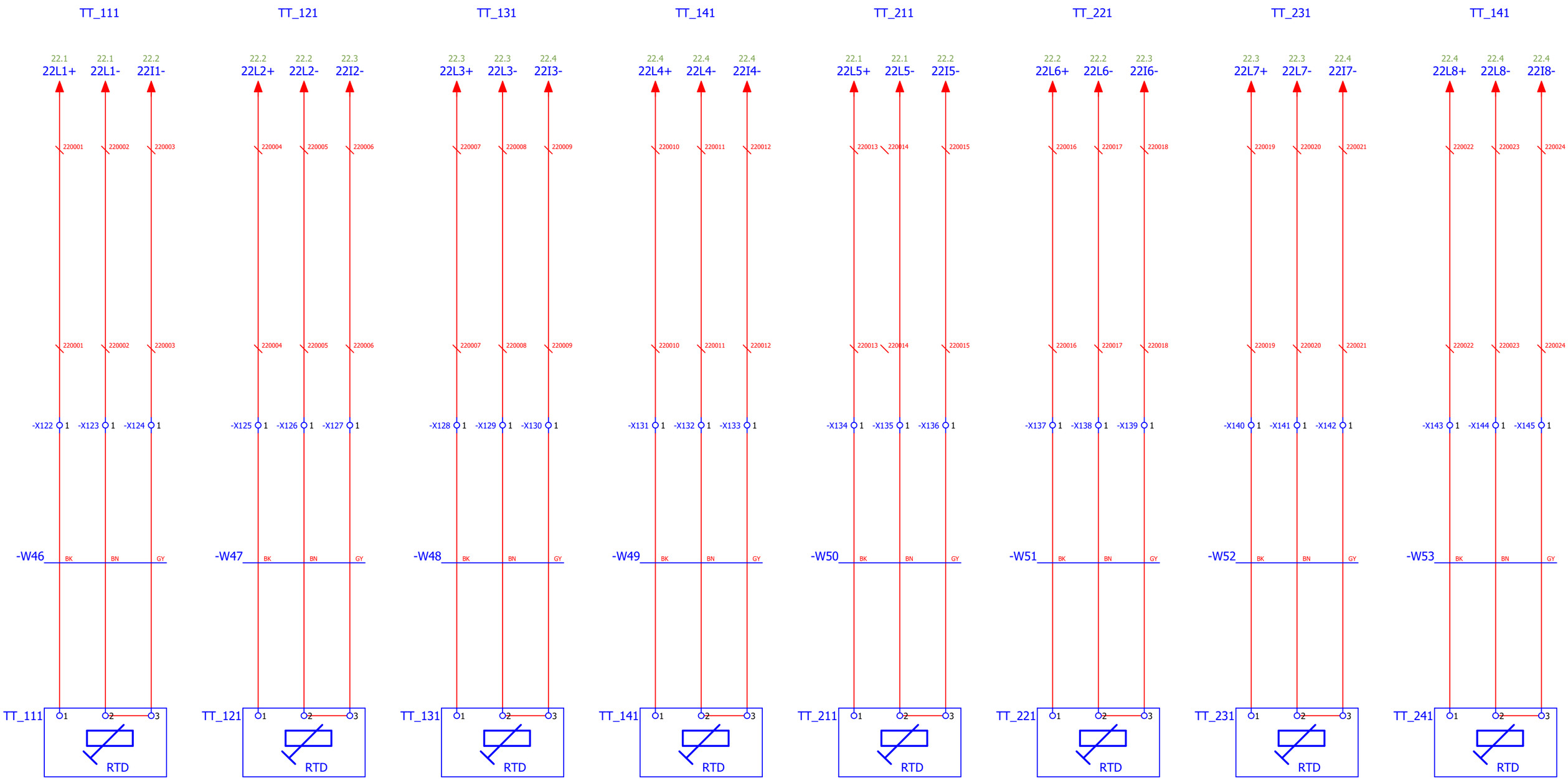
Modification	Date	Name	Original		Replacement of	Replaced by					Page 36 / 38



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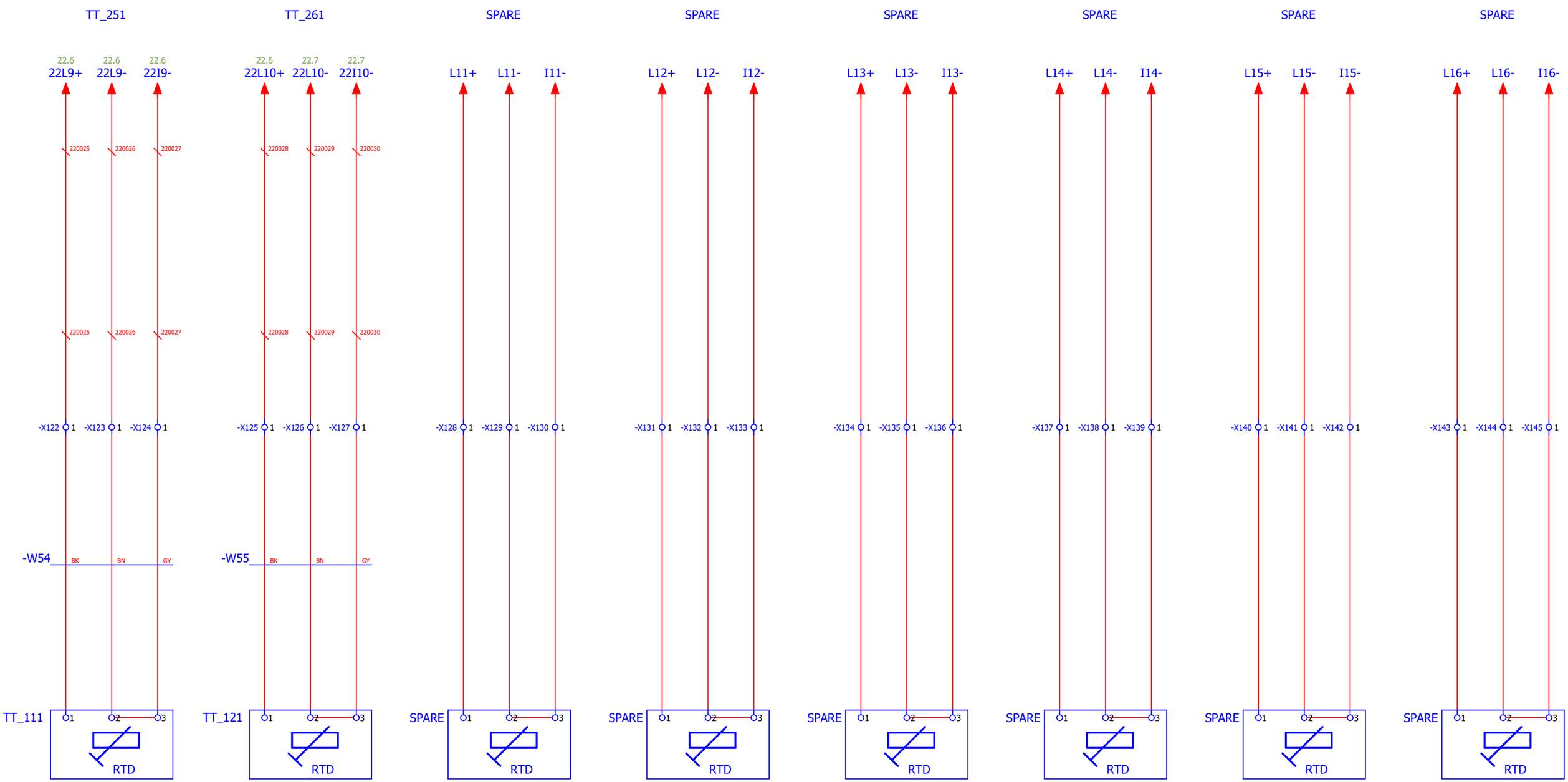
Modification	Date	Name	Original		Replacement of	Replaced by				Page	37 / 38



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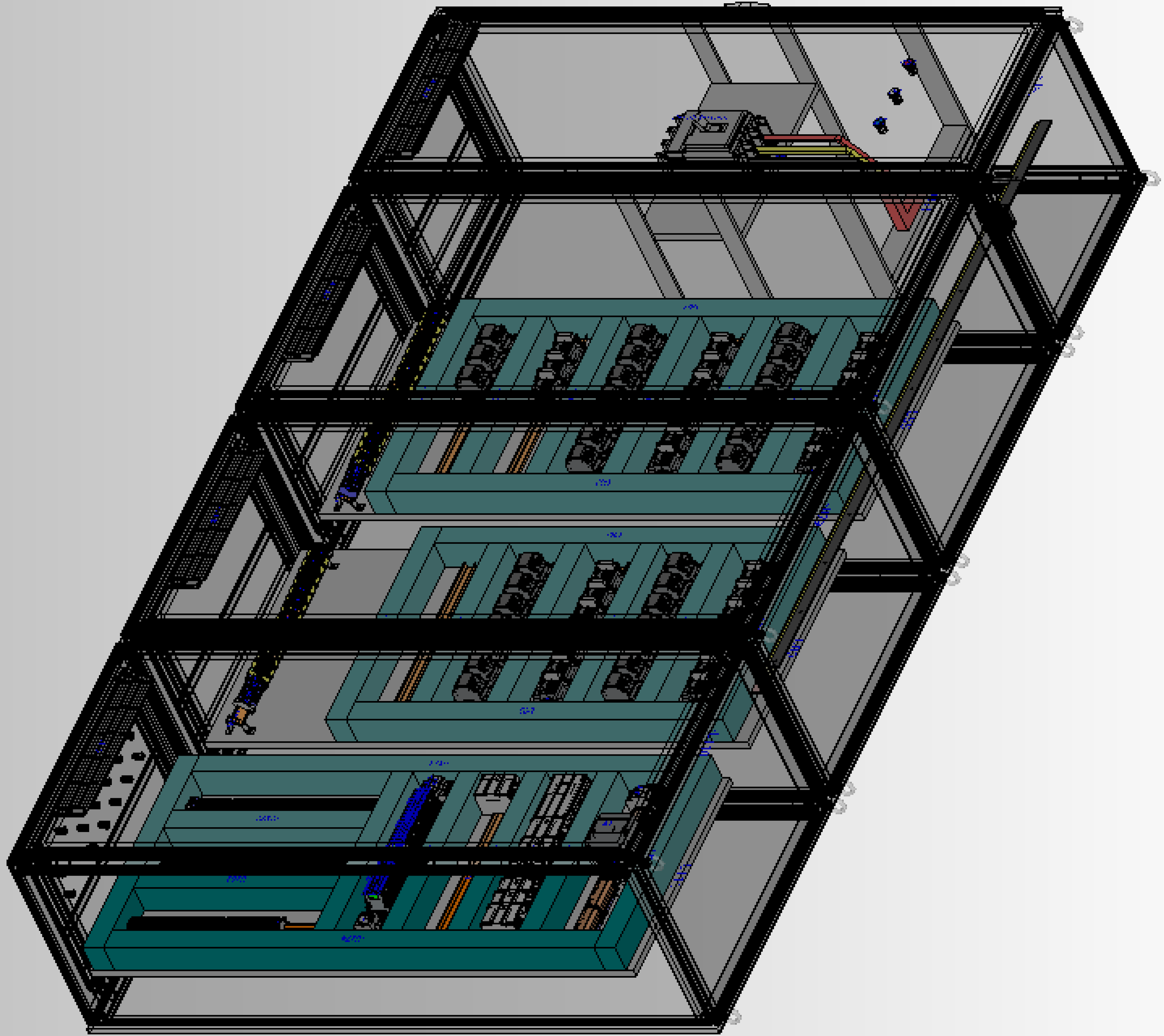
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Modification	Date	Name	Original		Replacement of	Replaced by				Page 38 / 38