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F06_003

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=CA1+EAA/4	Schematic multi-line	Drive 1(MOTORS)	9/17/2025	mozenitsuu
=CA1+EAA/5	Schematic multi-line	Drive 2(0.75 KW)	9/18/2025	mozenitsuu
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=CA1+EAA/26	Schematic multi-line	Control 1	9/18/2025	mozenitsuu
=CA1+EAA/27	Schematic multi-line	Control 2	9/18/2025	mozenitsuu
=CA1+EAA/28	Schematic multi-line	Control 3	9/18/2025	mozenitsuu

HA Consulting Group

Adress : Mansoura

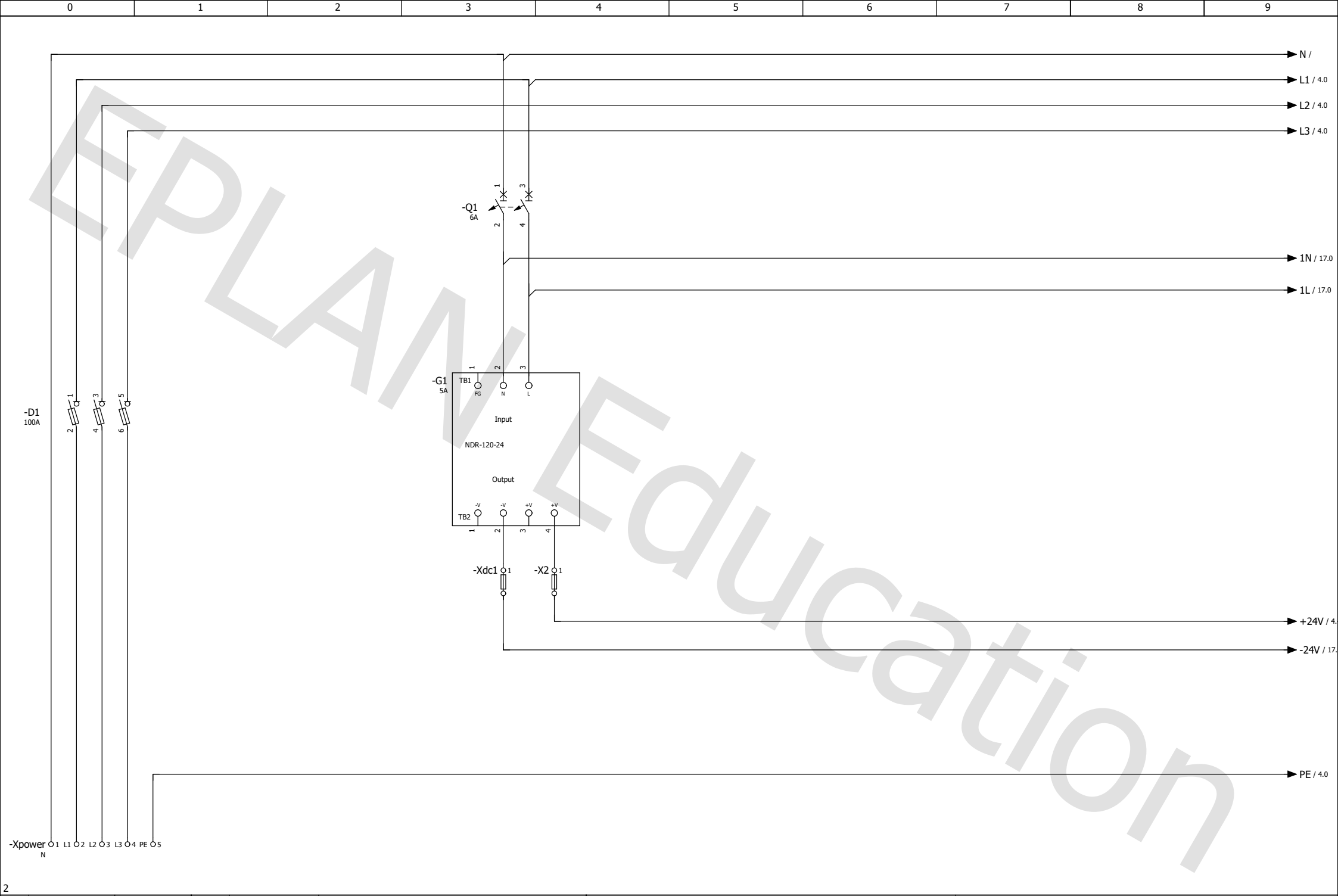
Phone : +20 123456789

Email : mohamedlasheen050@gmail.com

Company / customer	HA
Project description	MCC Panel With PLC
Job number	Module003

Type	MCC
Place of installation	Indoor
Creator	Mohamed Taha
Voltage	400 V (including 230 V)
Control Voltage	24VDC with 220VAC
Forms of Seperation	

Created on	9/16/2025			
Edit date	9/19/2025	by (short name)	mozenitsuu	Number of pages 54



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	Date	Name	Original				

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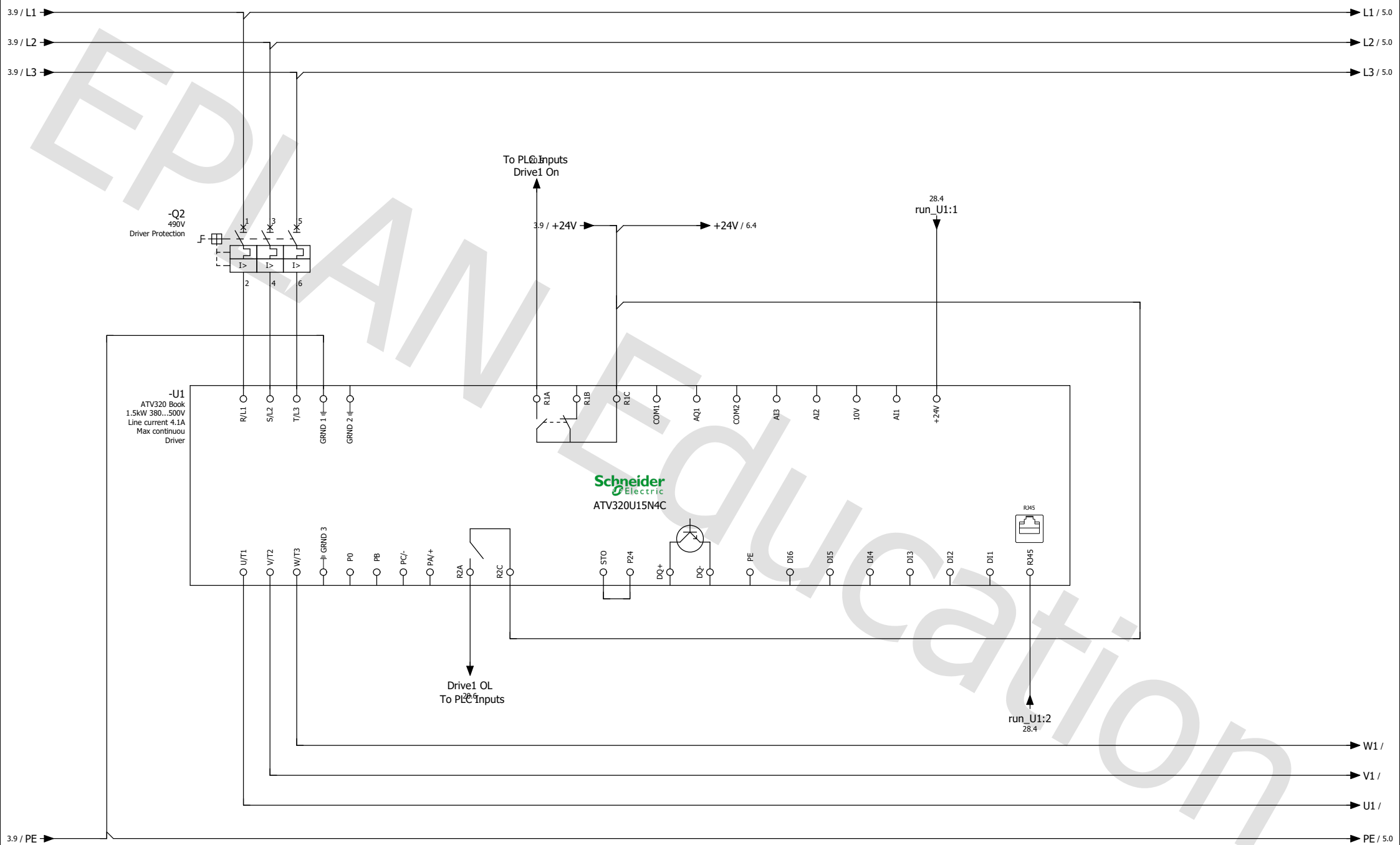
Page Name : MCC Panel With PLC

Page Description : Input Power

MCC Panel



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	Date	Name	Original				

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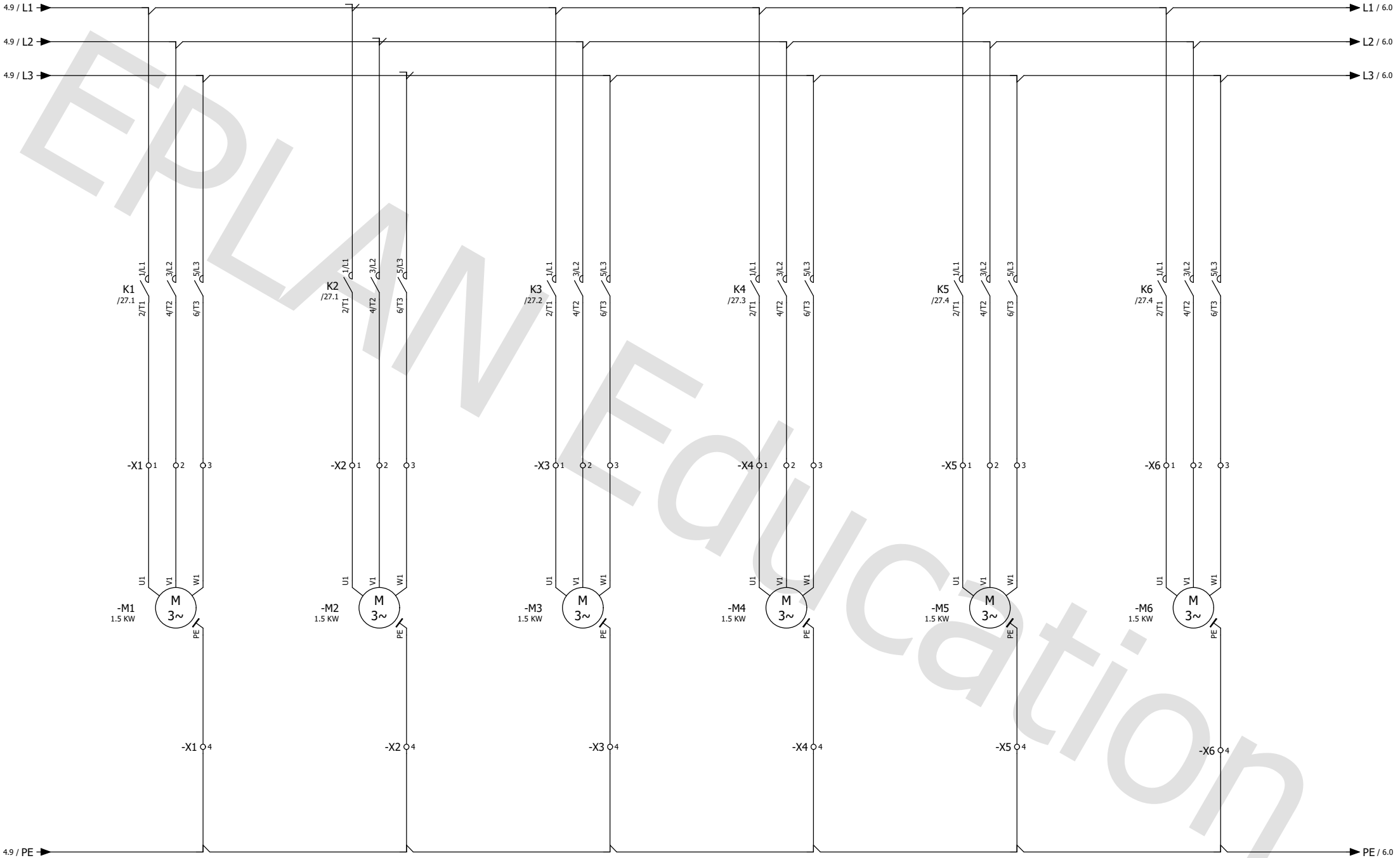
Page Name : MCC Panel With PLC

Page Description : Drive 1(1.5 KW)

MCC Panel



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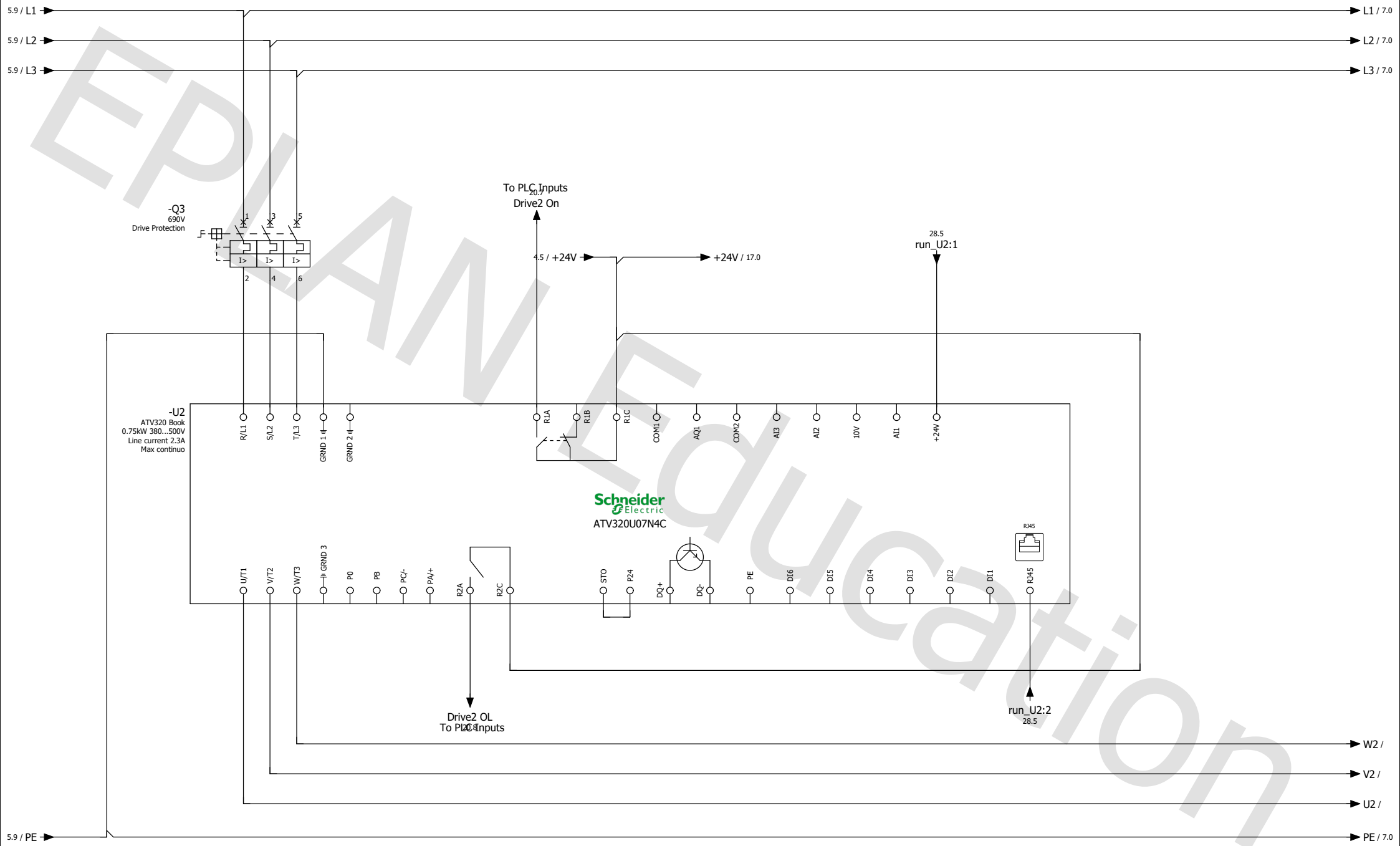
CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Drive 1(MOTORS)

MCC Panel



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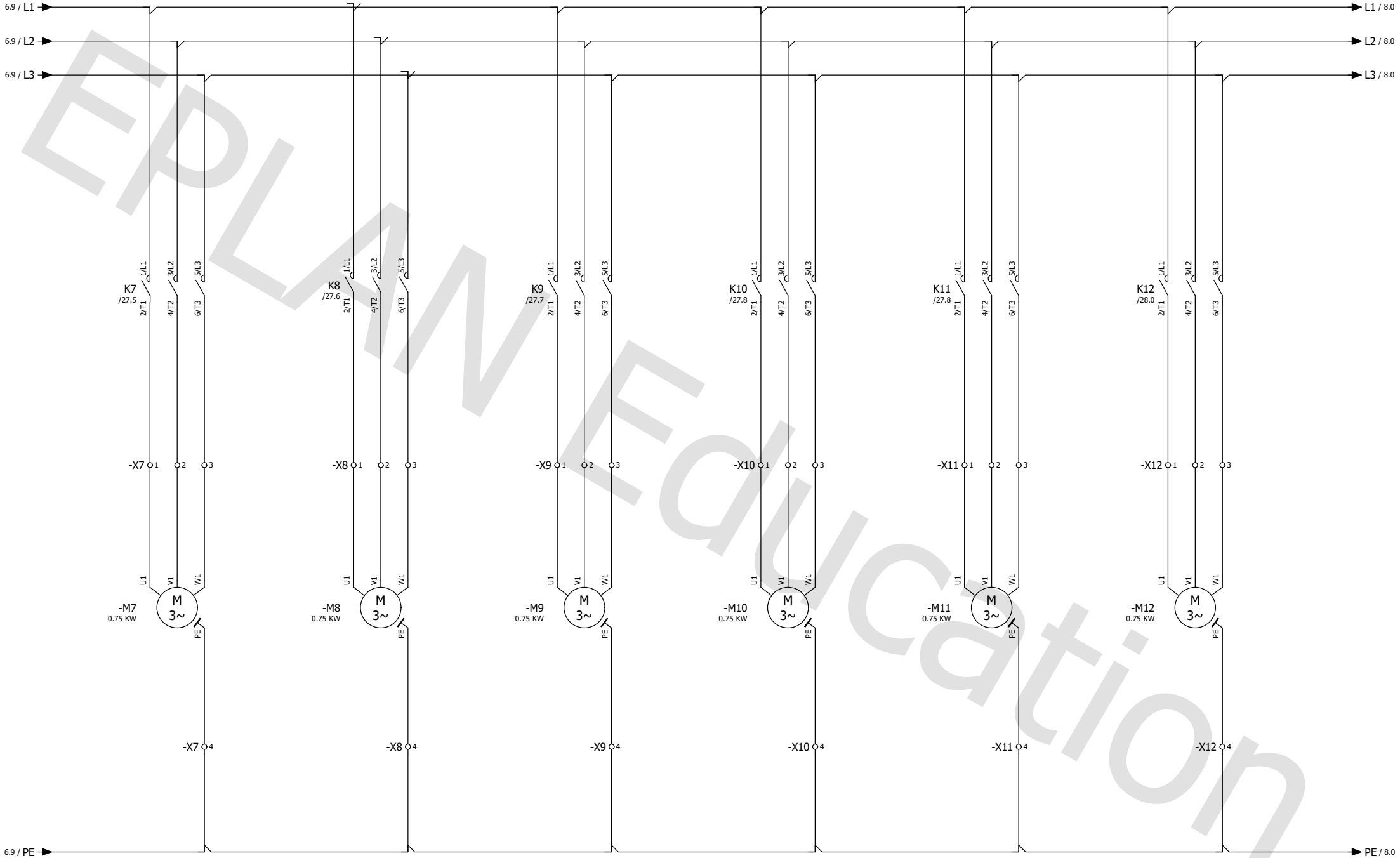
	Date	Name	Original				



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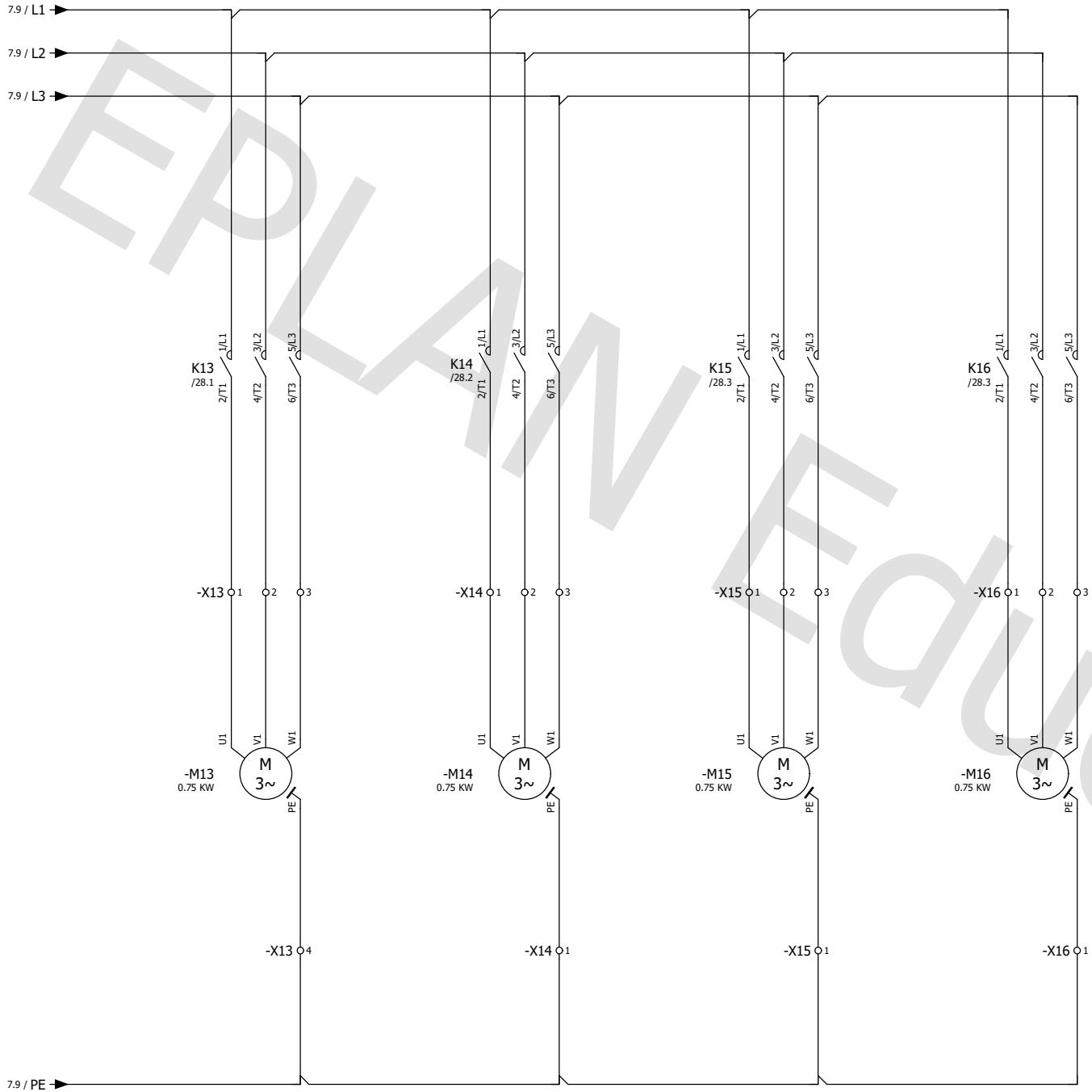
	Date	Name	Original				

CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Drive 2(MOTORS)

MCC Panel



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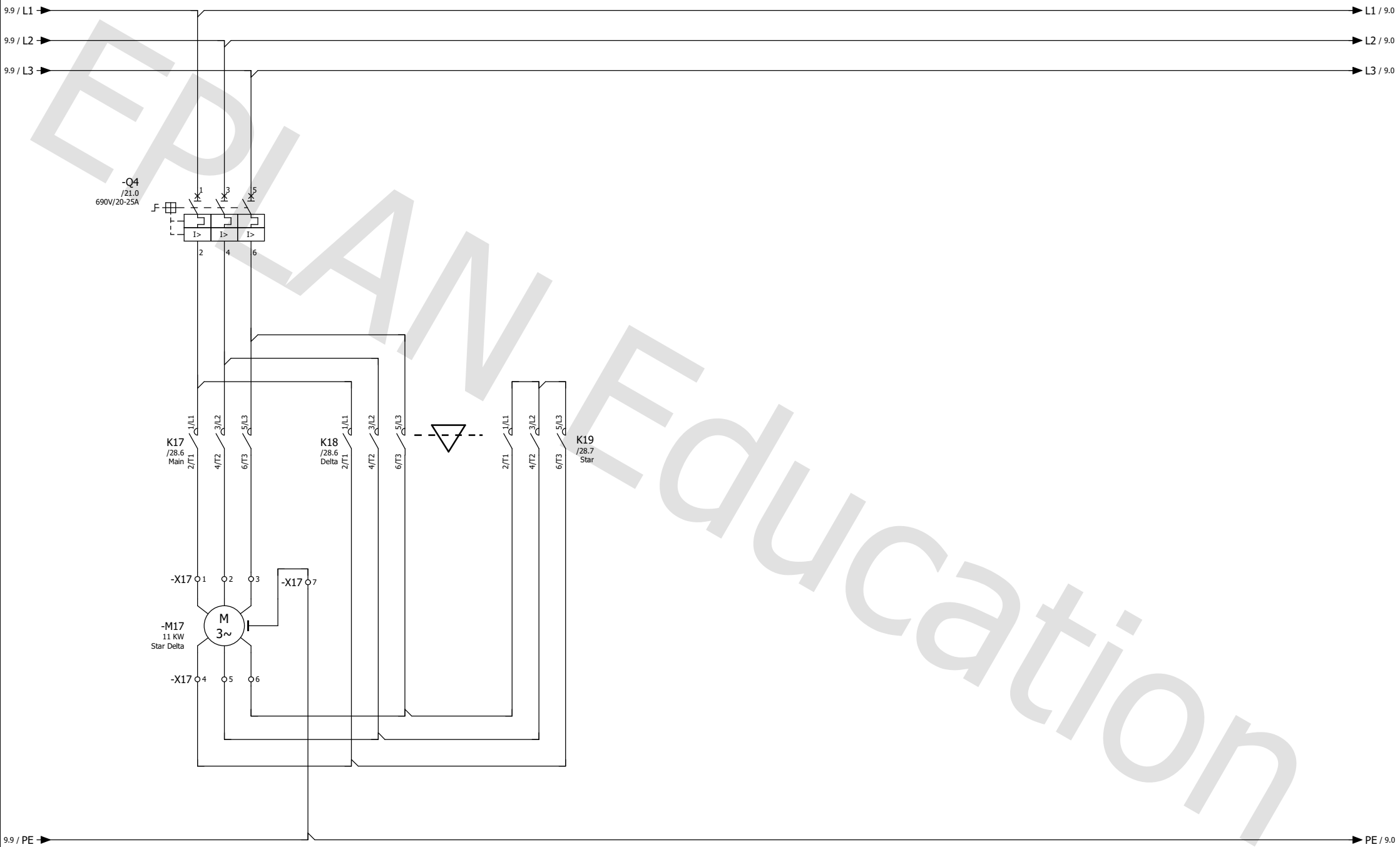
CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Drive 2(MOTORS 13-16)

MCC Panel



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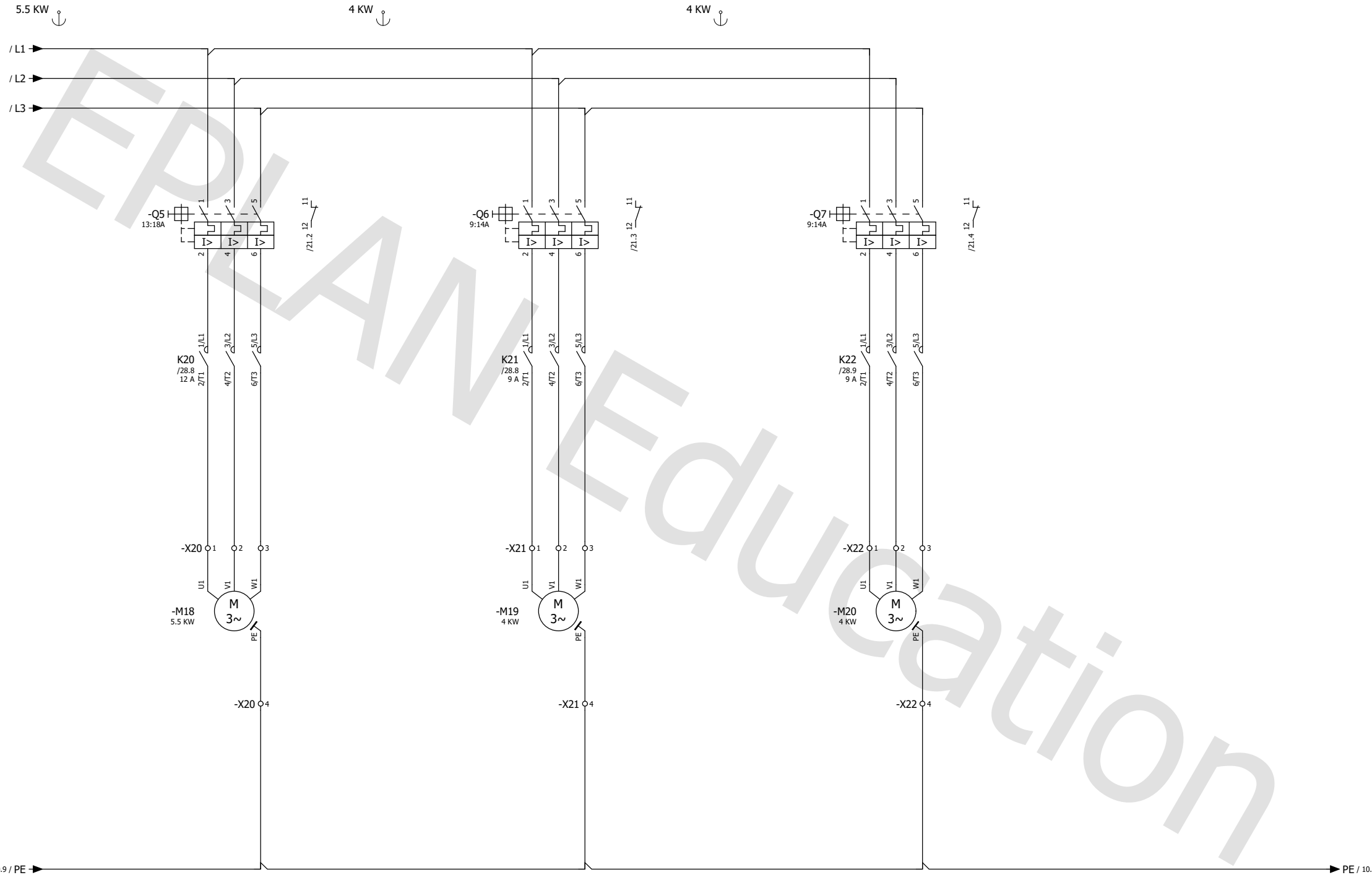
	Date	Name	Original				



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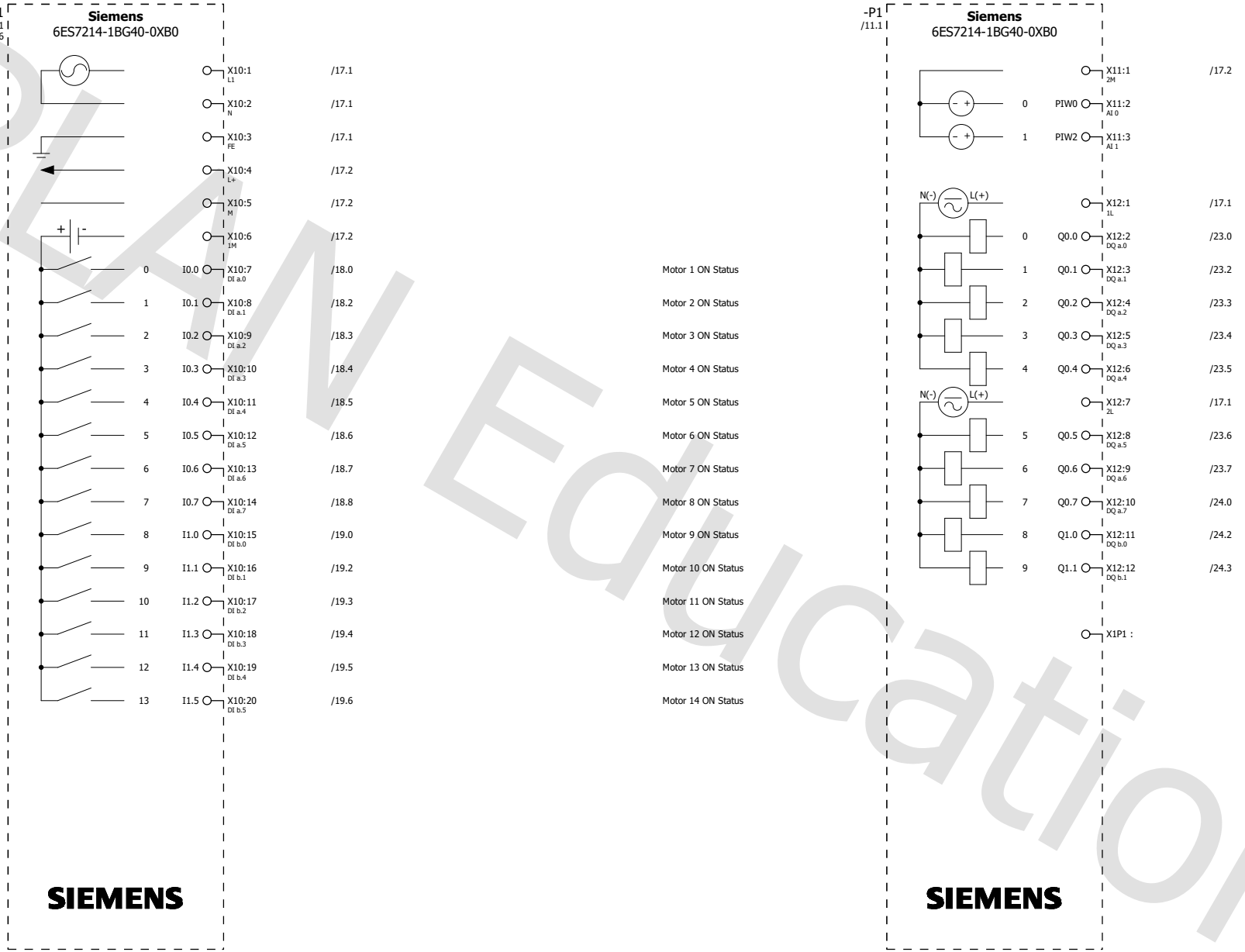
	Date	Name	Original			



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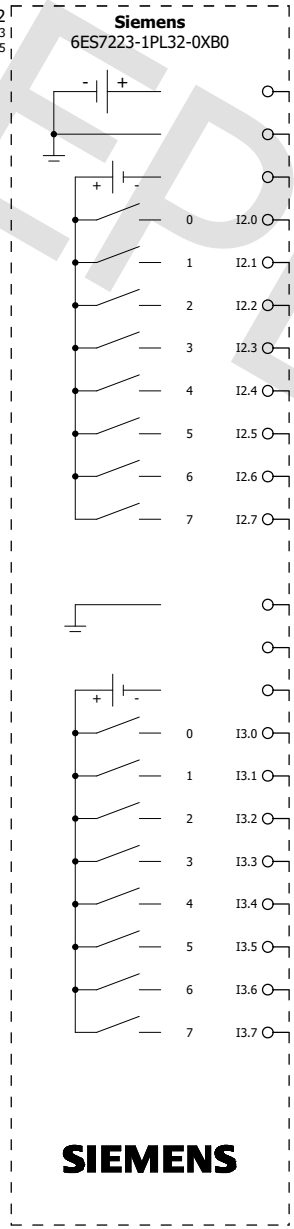
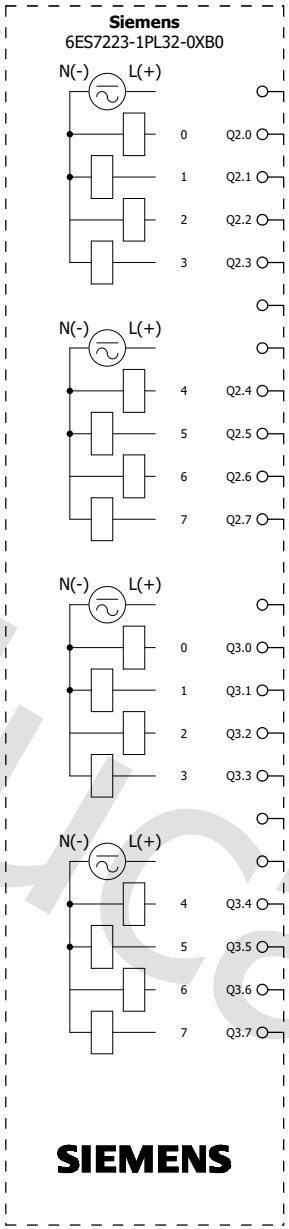
			Appr.				
	Date	Name	Original				

CONSULTING GROUP



Motor 15 ON Status
Motor 16 ON Status
Mixer ON Status
Bucket ON Status
Screw 1 ON Status
Screw 2 ON Status
Drive 1 ON
Drive 1 OL
Drive 2 ON
Drive 2 OL
Mixer OL
Bucket OL
Screw 1 OL
Screw 2 OL
Gate 1 Open
Gate 1 Close



Motor 11 Run
Motor 12 Run
Motor 13 Run
Motor 14 Run
Motor 15 Run
Motor 16 Run
Drive 1 Run
Drive 2 Run
Mixer Run
Bucket Run
Screw 1 Run
Screw 2 Run
Gate 1 Out
Gate 2 Out
Mixer Gate out

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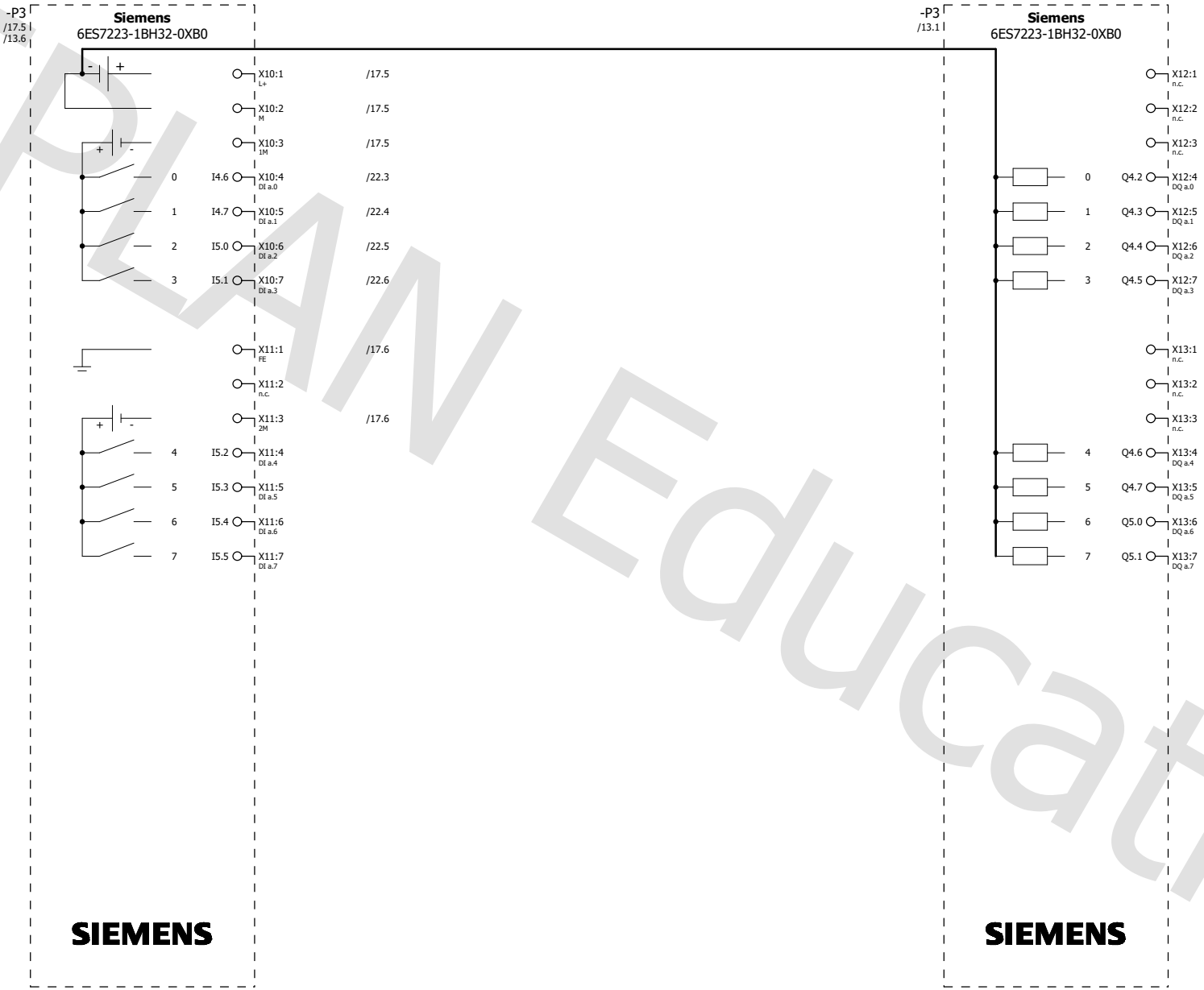
CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : DI/DQ

MCC Panel



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CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : DI

MCC Panel

-P4
/17.6
/14.5

Siemens
7MH4960-2AA01

	X1P1:		
	-X10:1 1L+	/17.6	
	-X10:2 1L+	/17.7	
	-X10:3 1M	/17.7	
	-X10:4 1M	/17.7	
	-X10:5 PE	/17.7	
	-X10:6 n.c		
	-X10:7 n.c		
PQW4	-X10:8 AQ+		
	-X10:9 AQ-		
	-X10:10 n.c.		
	-X10:11 n.c.		
	-X11:1 BfM		
	-X11:2 P		
	-X11:3 PR		
	-X11:4 n.c		
	-X11:5 EXC+		
	-X11:6 EXC-		
	-X11:7 SEN+		
	-X11:8 SEN-		
	-X11:9 SIG+		
	-X11:10 SIG-		
	-X11:11 BfM		

SIEMENS

-P4
/14.0

Siemens
7MH4960-2AA01

	-X12:1 T+	
	-X12:2 T-	
	-X12:3 D+	
	-X12:4 D-	
	-X12:5 D+'	
	-X12:6 D-'	
0	**I5.6**	-X13:1 DI.0
1	**I5.7**	-X13:2 DI.1
2	**I6.0**	-X13:3 DI.2
3	**I6.1**	-X13:4 DI.3
		-X13:5 2M
4	**Q5.2**	-X13:6 DQ.0
5	**Q5.3**	-X13:7 DQ.1
6	**Q5.4**	-X13:8 DQ.2
7	**Q5.5**	-X13:9 DQ.3
		-X13:10 3L+
		-X13:11 3M

SIEMENS

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		Appr.		
Date	Name	Original		

CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Weighing 1

MCC Panel

-P5
/17.8
/15.5

Siemens
7MH4960-2AA01

	X1P1:		
	-X10:1 1L+	/17.8	
	-X10:2 1L+	/17.8	
	-X10:3 1M	/17.8	
	-X10:4 1M	/17.9	
	-X10:5 PE	/17.9	
	-X10:6 n.c		
	-X10:7 n.c		
PQW2	-X10:8 AQ+		
	-X10:9 AQ-		
	-X10:10 n.c.		
	-X10:11 n.c.		
	-X11:1 BfM		
	-X11:2 P		
	-X11:3 PR		
	-X11:4 n.c		
	-X11:5 EXC+		
	-X11:6 EXC-		
	-X11:7 SEN+		
	-X11:8 SEN-		
	-X11:9 SIG+		
	-X11:10 SIG-		
	-X11:11 BfM		

SIEMENS

-P5
/15.0

Siemens
7MH4960-2AA01

		-X12:1 T+		
		-X12:2 T-		
		-X12:3 D+		
		-X12:4 D-		
		-X12:5 D+'		
		-X12:6 D-'		
0	**I4.0**	-X13:1 DI.0		Gate 2 Open
1	**I4.1**	-X13:2 DI.1		Gate 2 Close
2	**I4.2**	-X13:3 DI.2		mixer Gate Open
3	**I4.3**	-X13:4 DI.3		mixer Gate Close
		-X13:5 2M		
4	**Q3.6**	-X13:6 DQ.0		
5	**Q3.7**	-X13:7 DQ.1		
6	**Q4.0**	-X13:8 DQ.2		
7	**Q4.1**	-X13:9 DQ.3		
		-X13:10 3L+		
		-X13:11 3M		

SIEMENS

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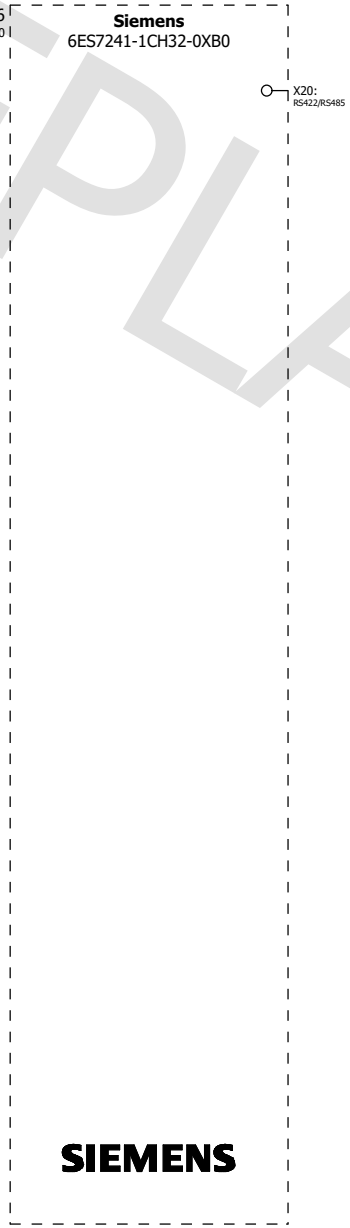
		Appr.		
Date	Name	Original		

CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Weighing 2

MCC Panel



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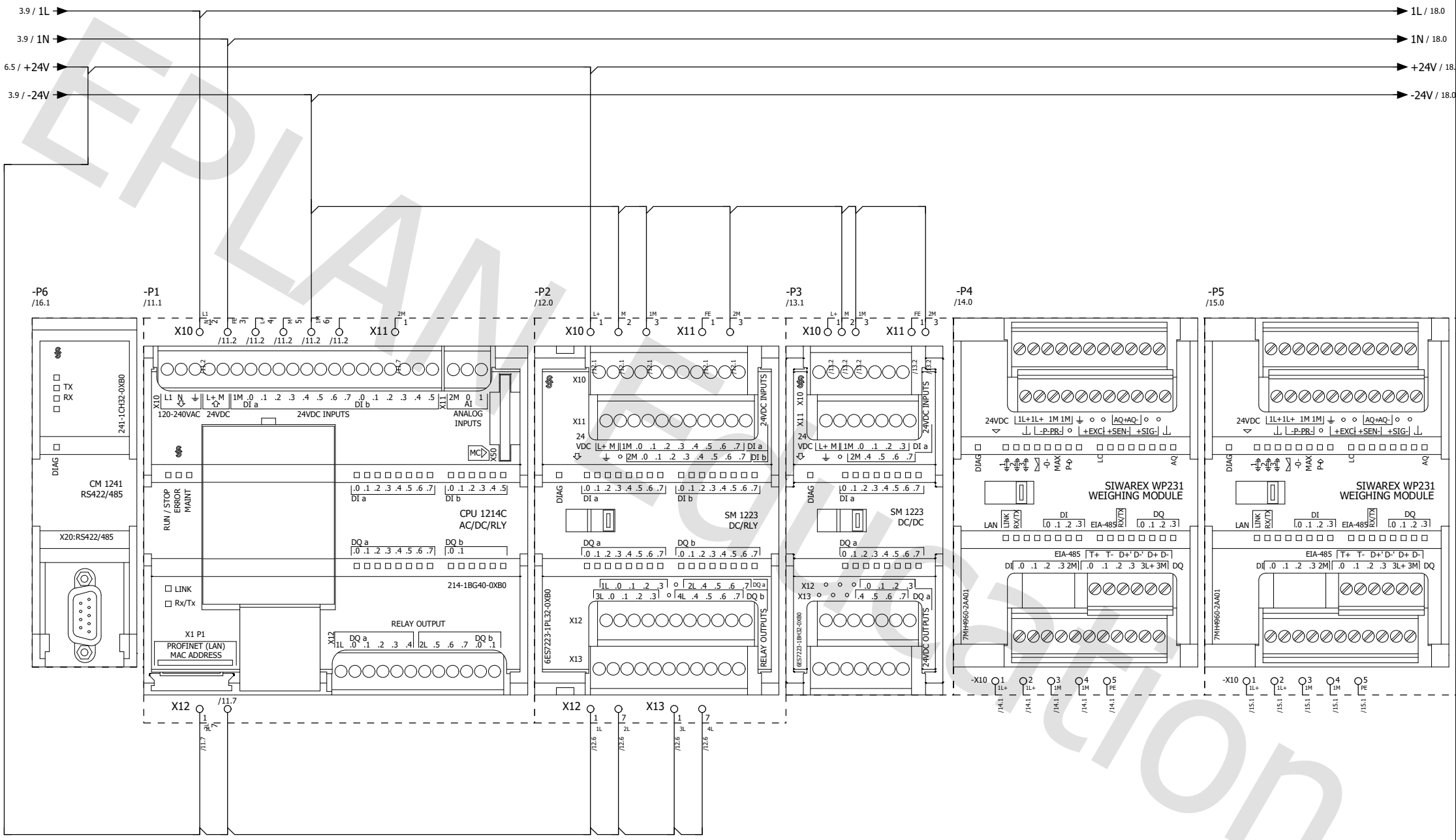
	Date	Name	Original				



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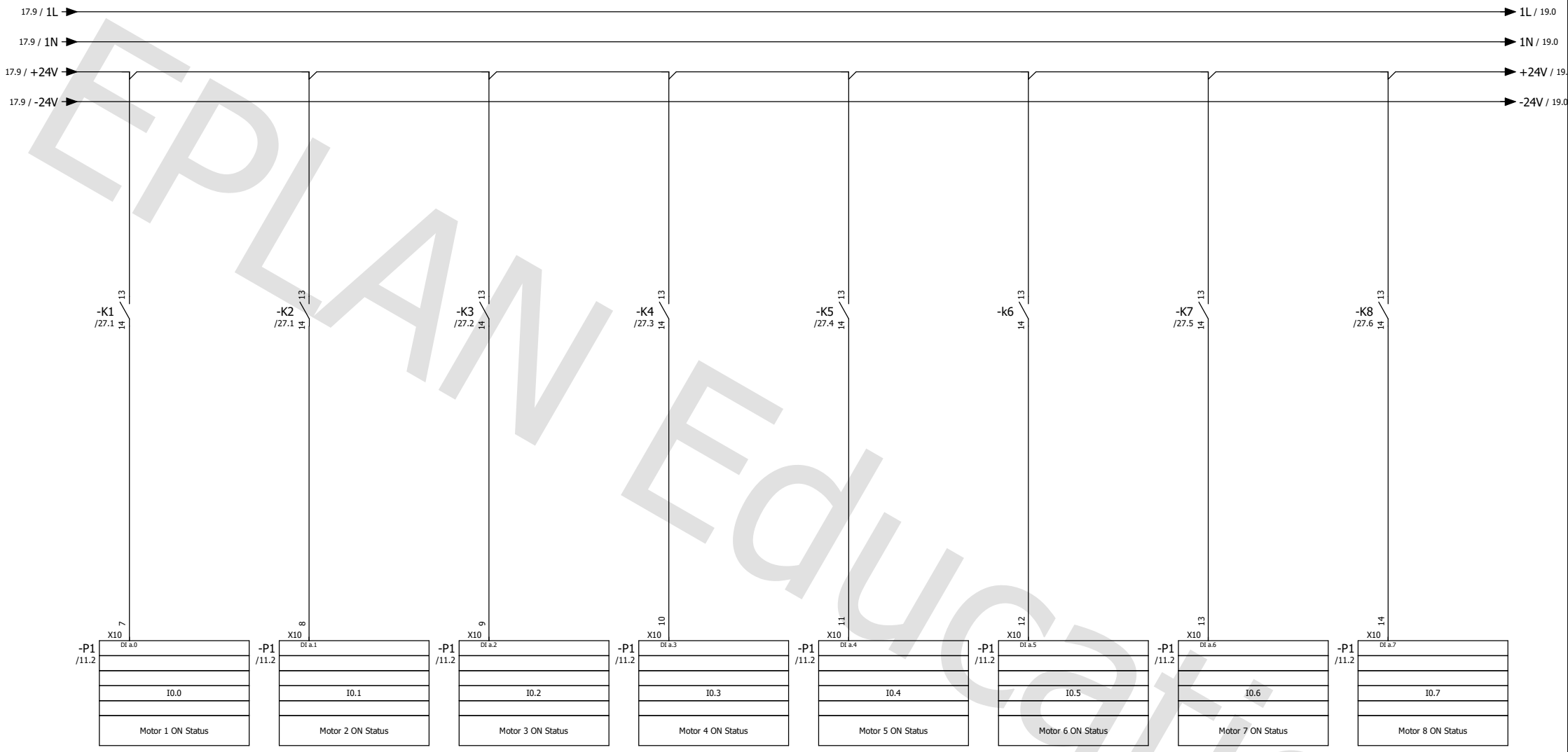
	Date	Name	Original				



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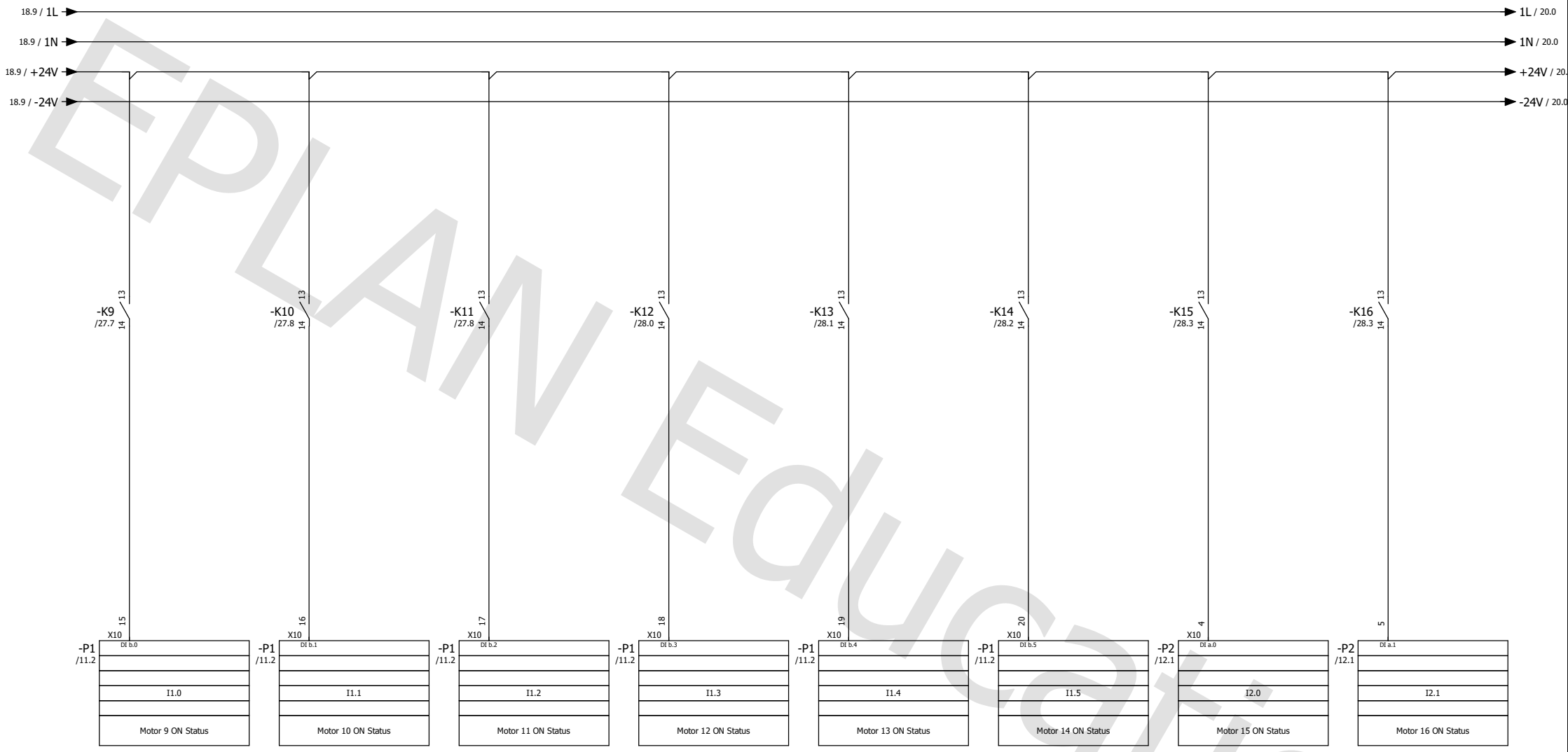
	Date	Name	Original				

CONSULTING GROUP



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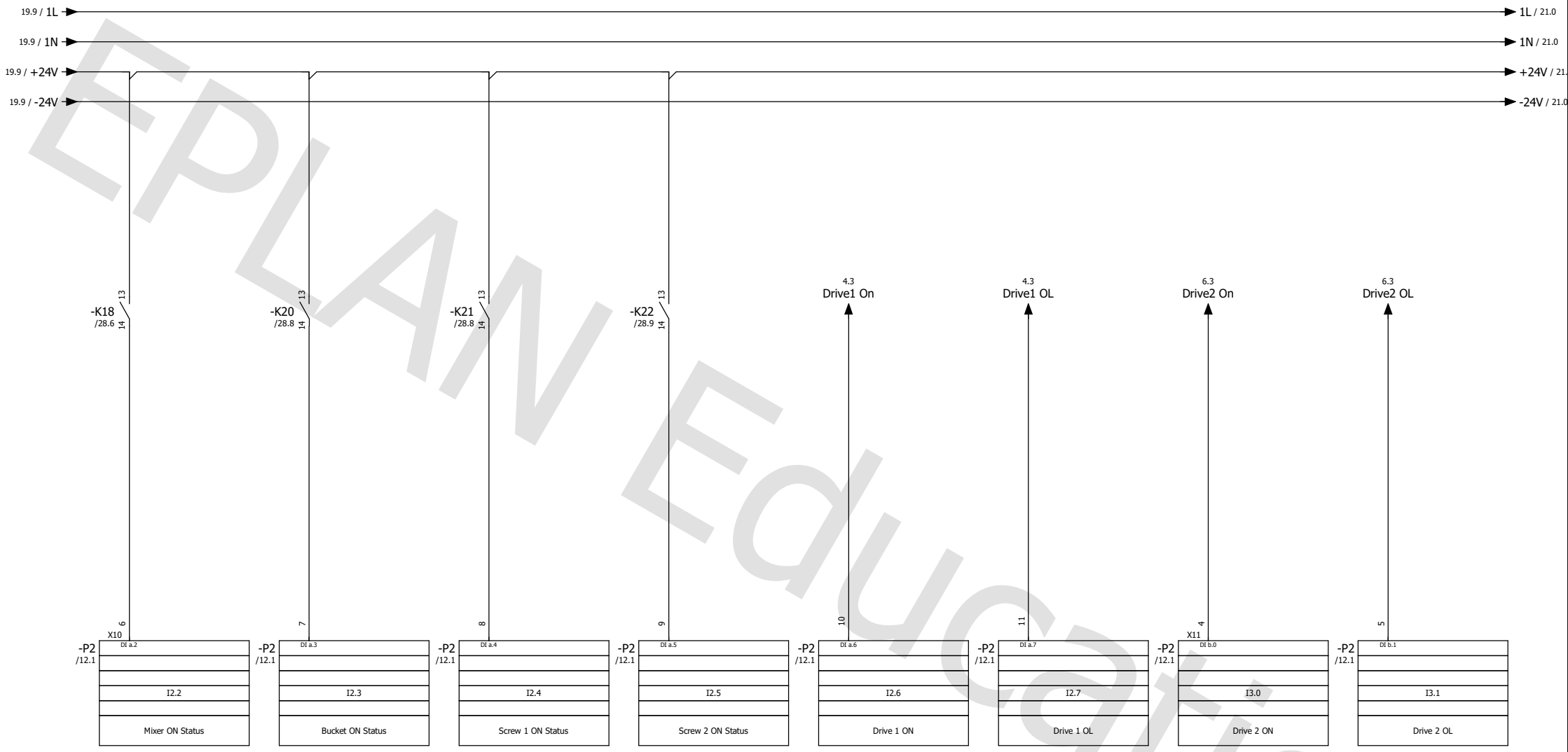
	Date	Name	Original				

CONSULTING GROUP



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	Date	Name	Original				

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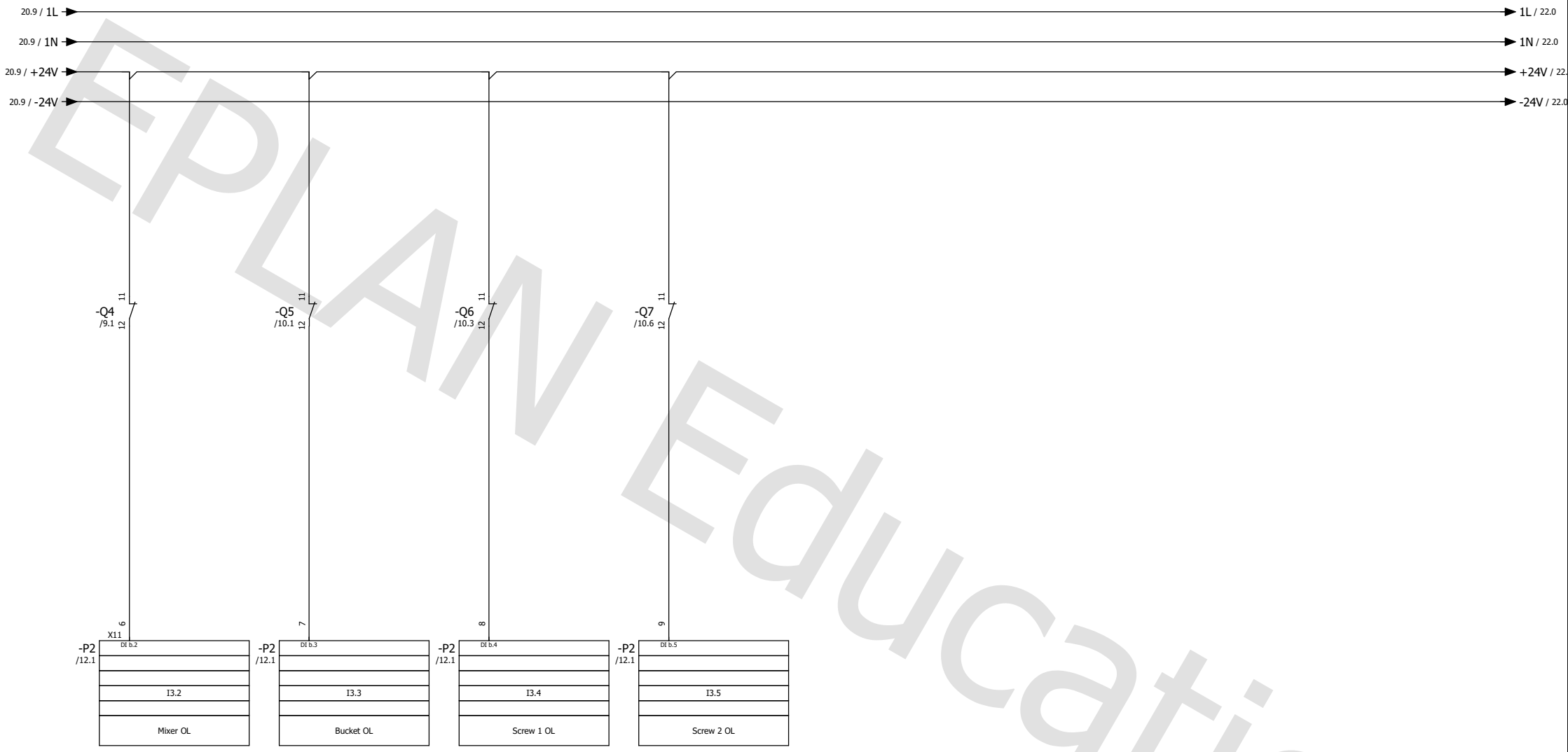

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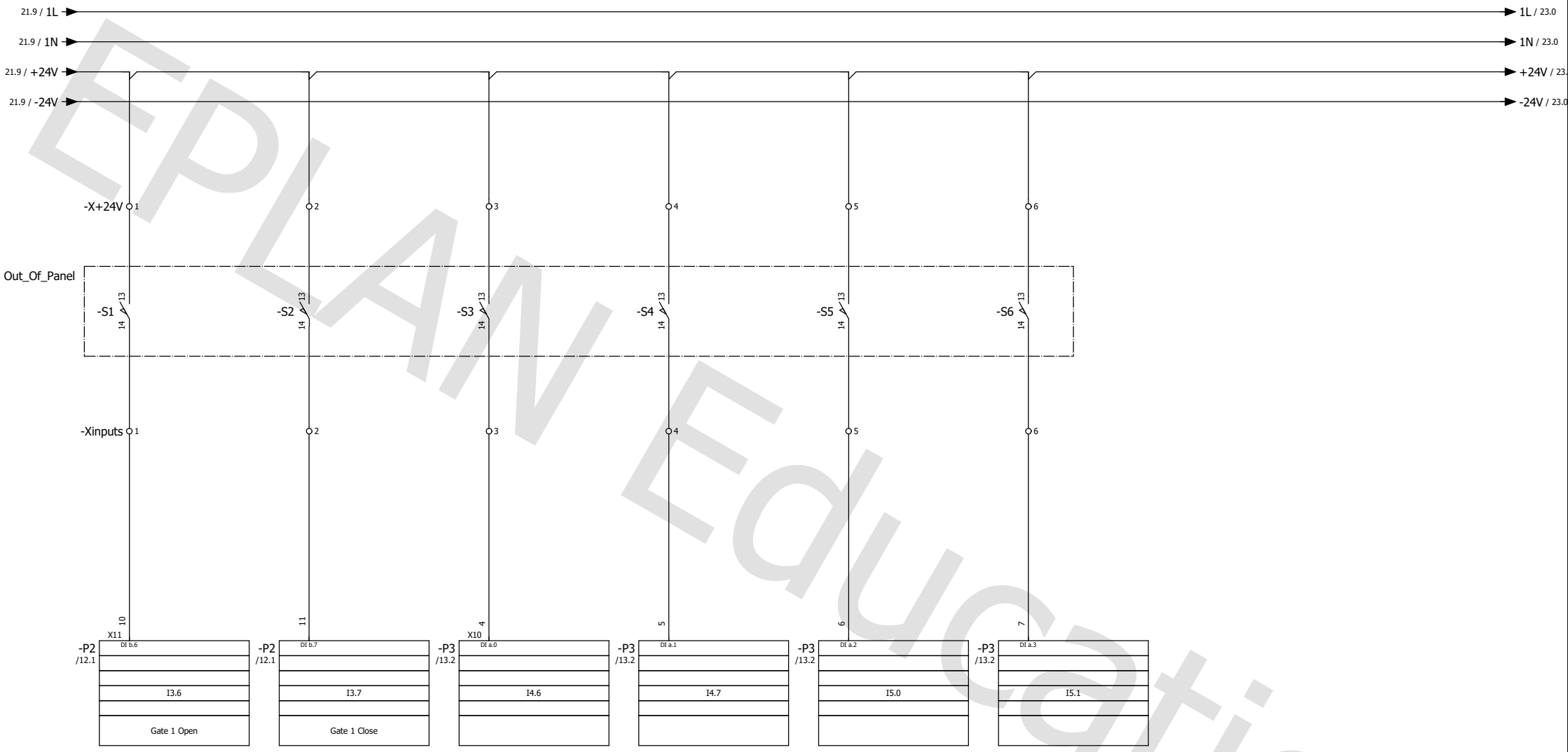
	Date	Name	Original				



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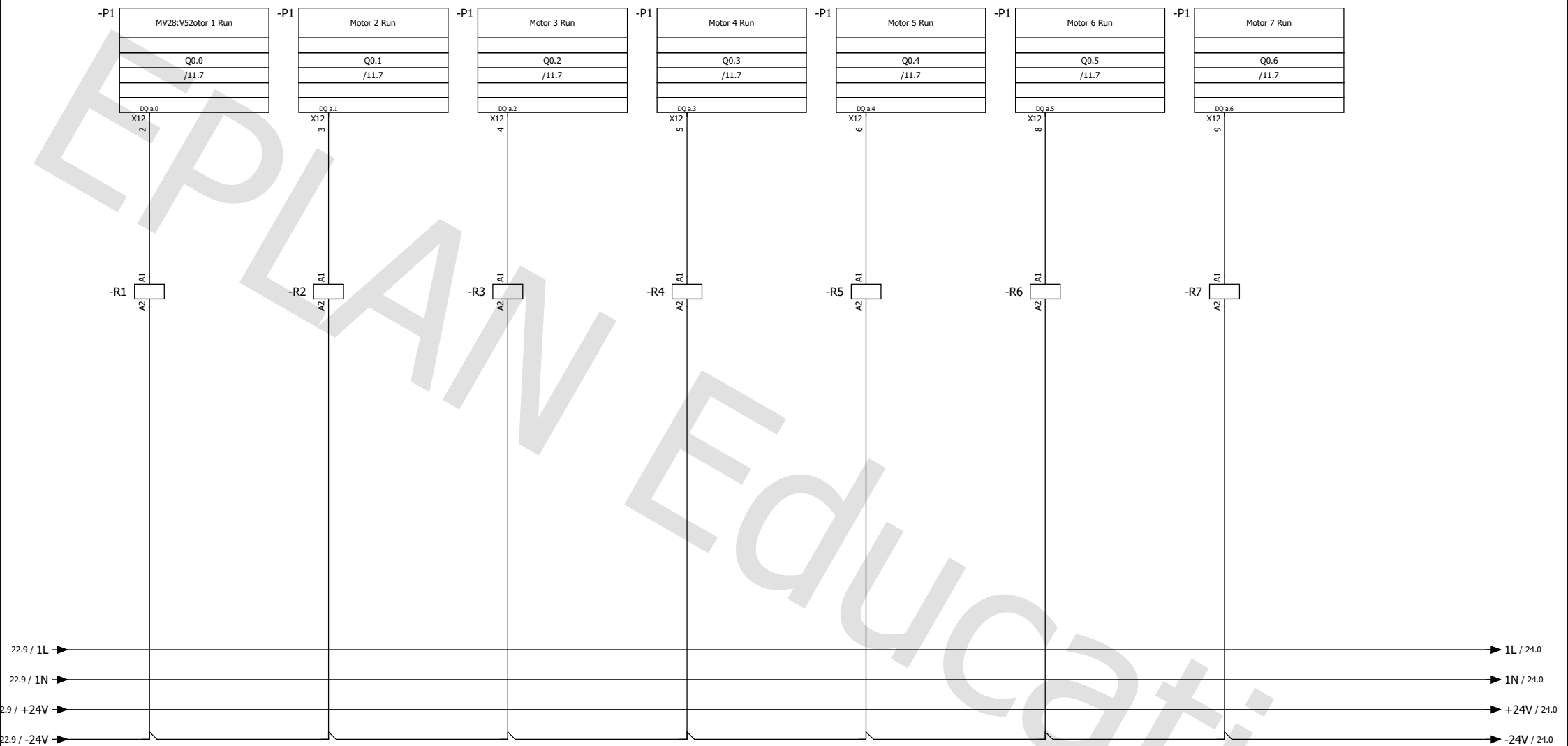

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	Date	Name	Original	

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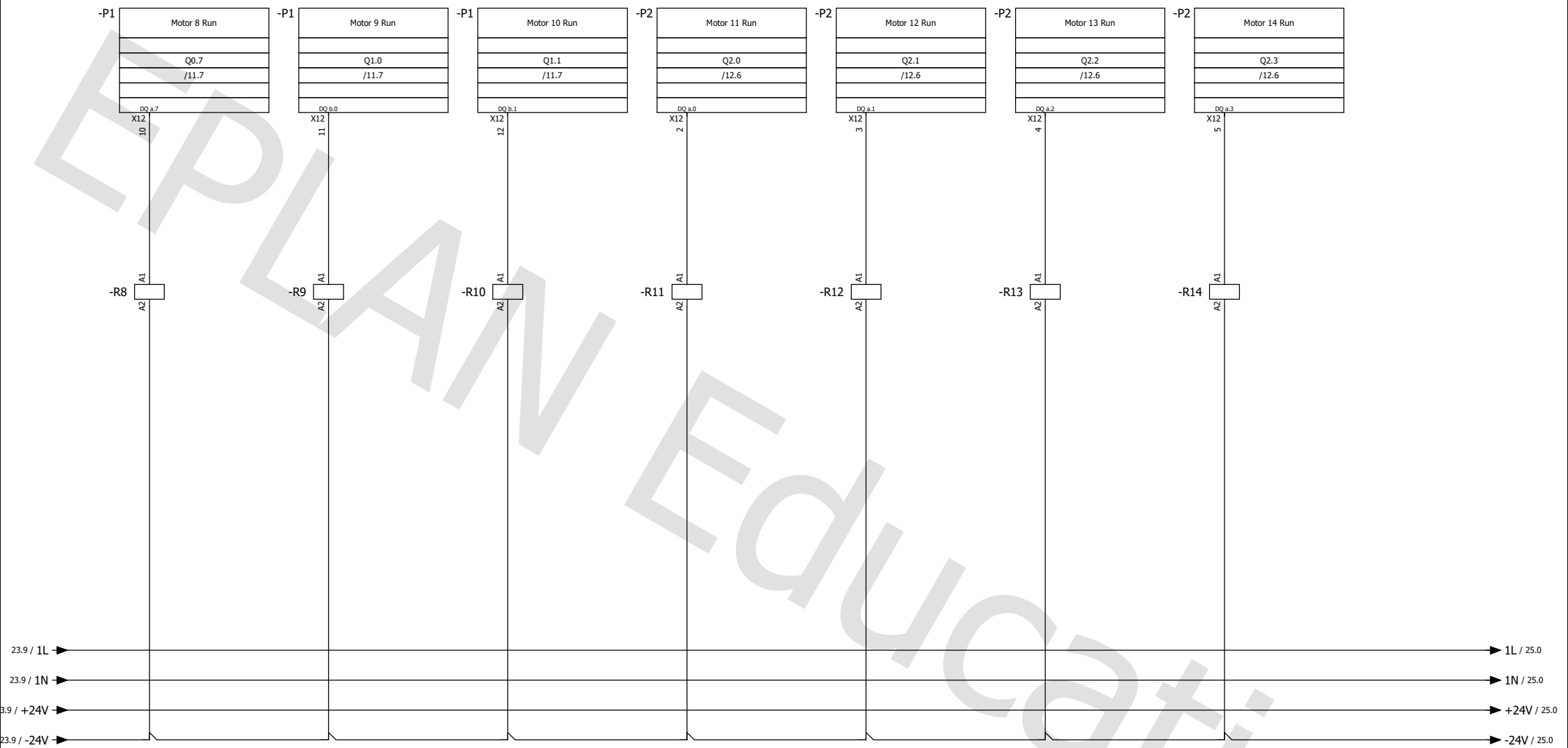
Page Name : MCC Panel With PLC

Page Description : Outputs 1

MCC Panel



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	Date	Name	Original				

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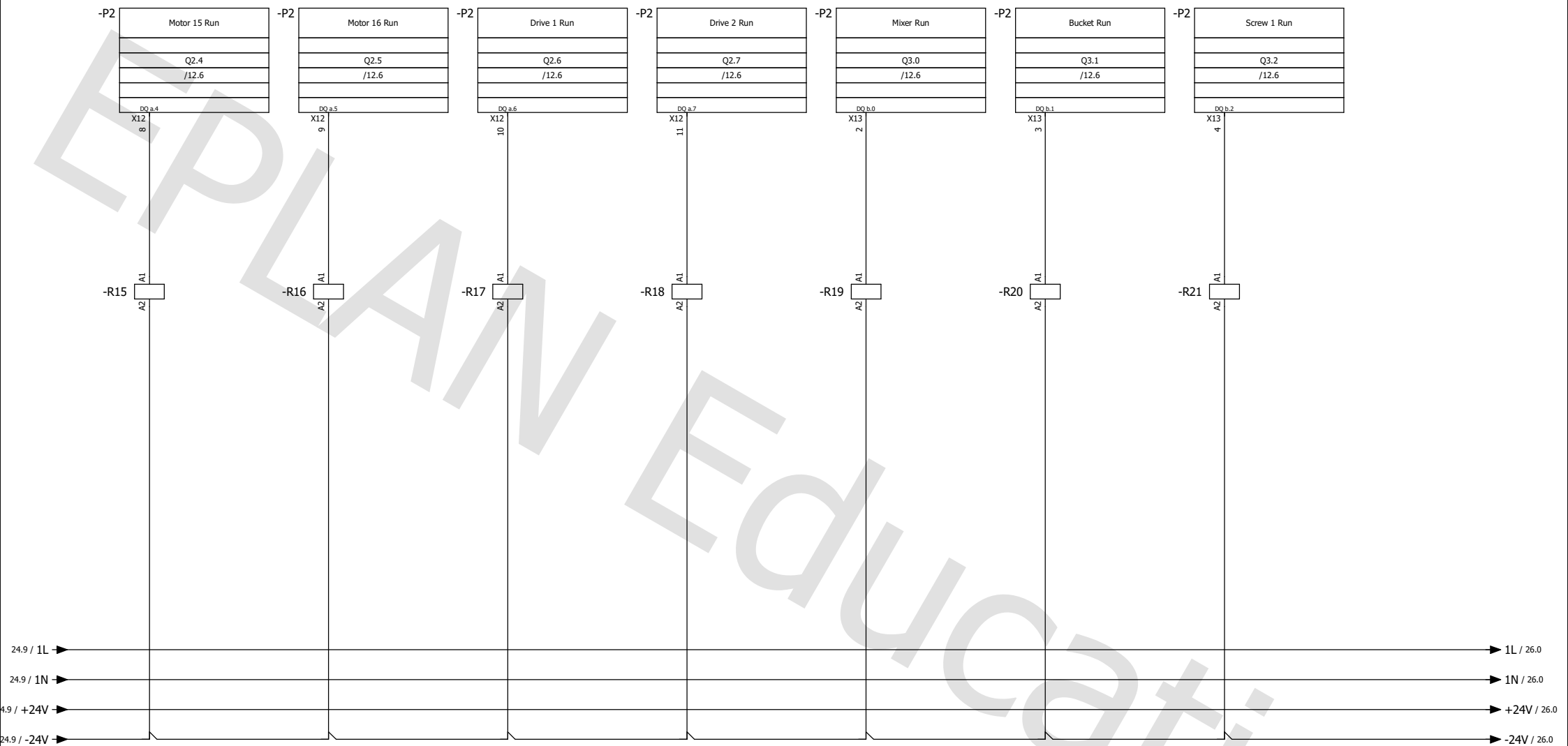

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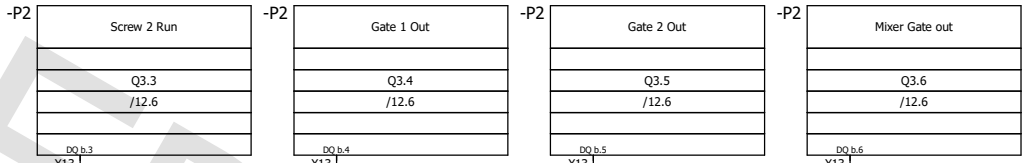
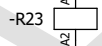
CONSULTING GROUP

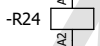
Page Name : MCC Panel With PLC

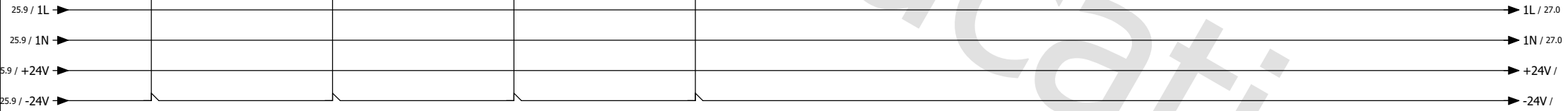
Page Description : Outputs 3

MCC Panel









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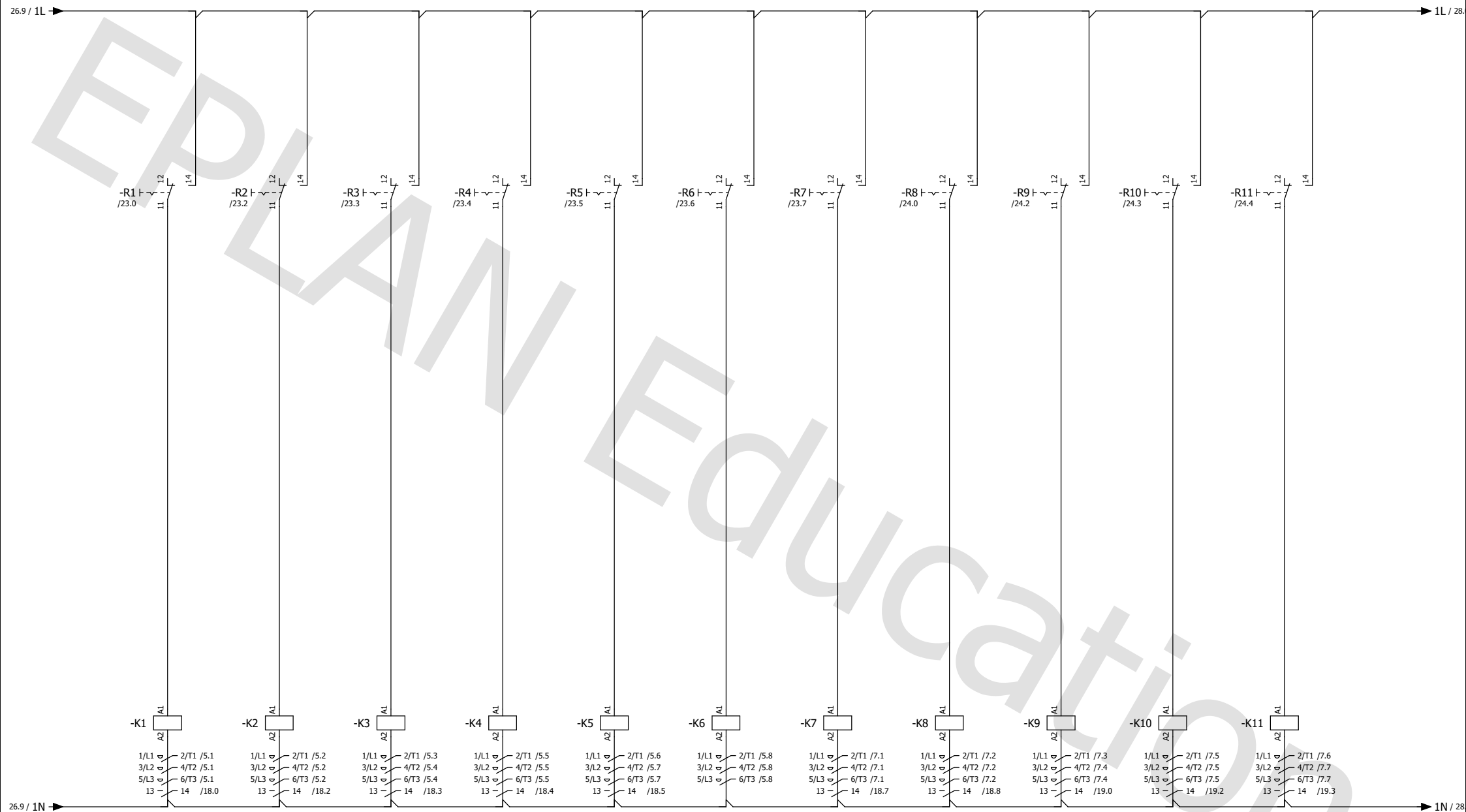
	Date	Name	Original				



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			Date	9/19/2025		Page Name : MCC Panel With PLC	MCC Panel
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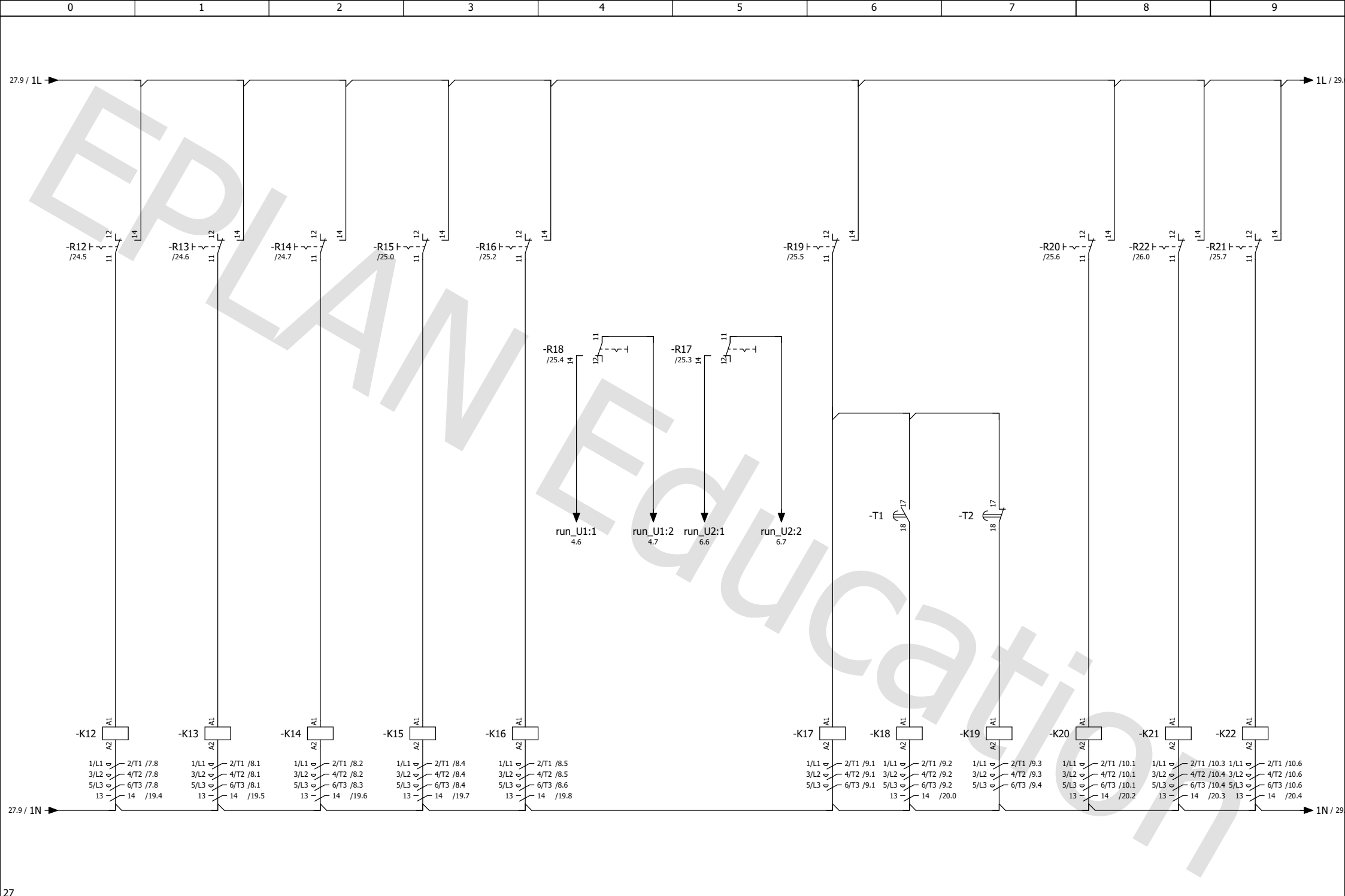
			Appr.		CONSULTING GROUP	Page Description : Control 1	
	Date	Name	Original				



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			Date	9/19/2025			
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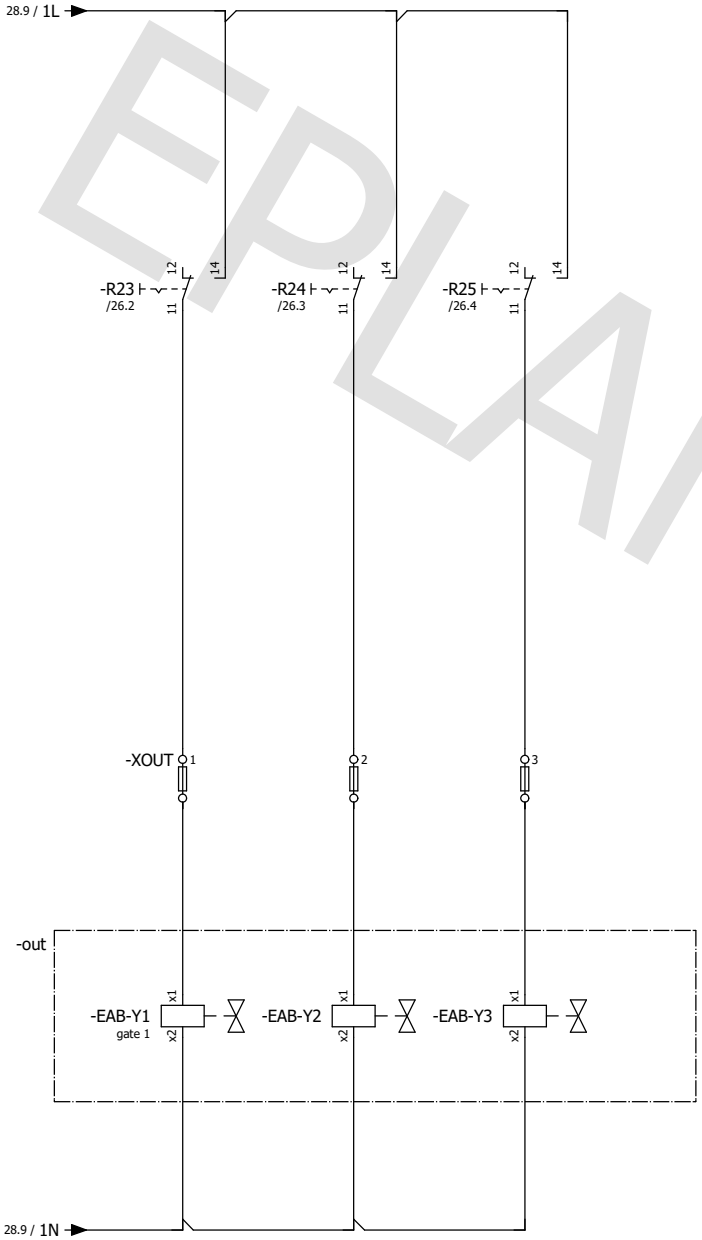
			Appr.				
	Date	Name	Original				

CONSULTING GROUP

Page Name : MCC Panel With PLC

Page Description : Control 2

MCC Panel



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			Date	9/19/2025		Page Name : MCC Panel With PLC	MCC Panel
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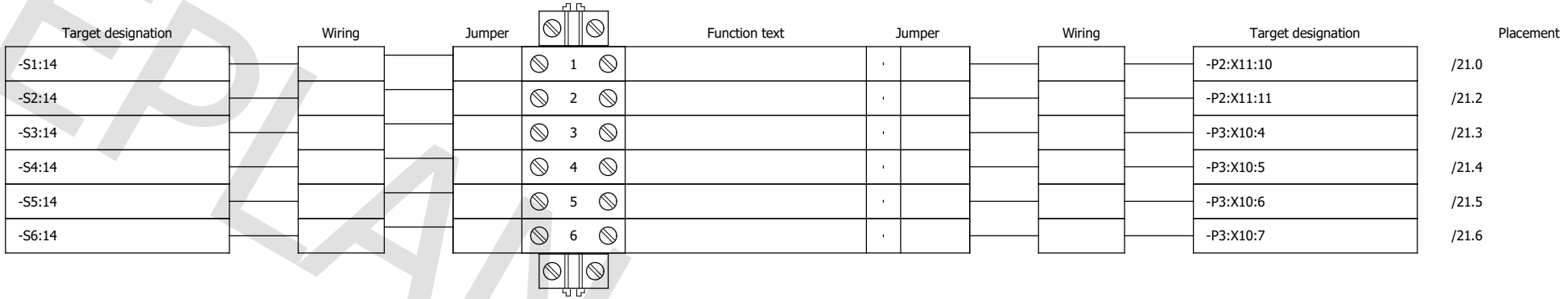
			Appr.			Page Description : Control 3	
	Date	Name	Original				

Terminal diagram

F13_003

Strip

=CA1+EAA-Xinputs

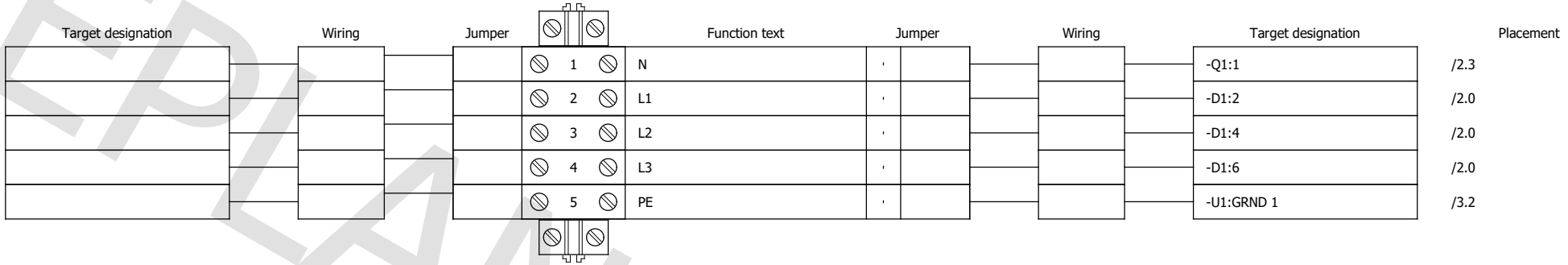


Terminal diagram

F13_003

Strip

=CA1+EAA-Xpower



			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-Xpower	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 31 / 54

Terminal diagram

F13_003

Strip

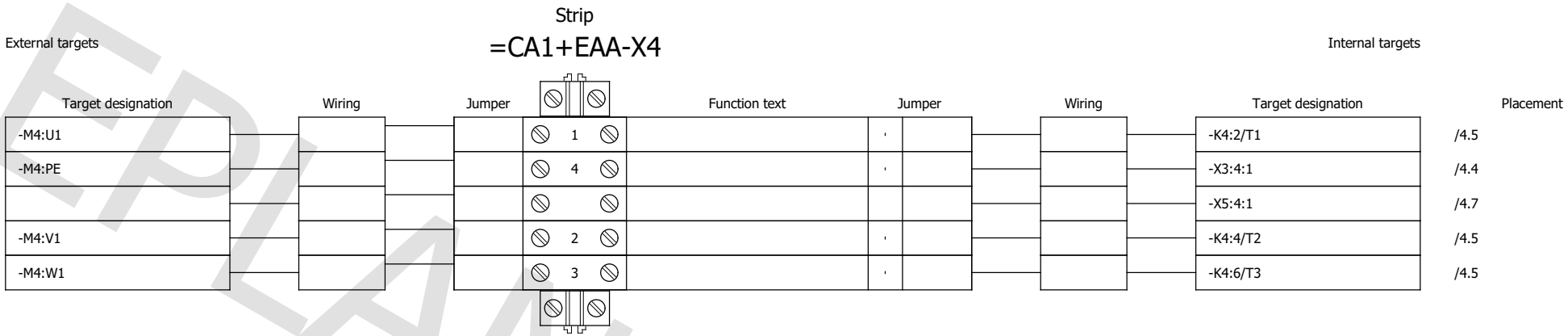
=CA1+EAA-X3

External targets					Internal targets				
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement	
-M3:U1			1				-K3:2/T1	/4.3	
-M3:PE			4				-X2:4	/4.2	
							-X4:4:1	/4.5	
-M3:V1			2				-K3:4/T2	/4.4	
-M3:W1			3				-K3:6/T3	/4.4	

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X3	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 3
Modification	Date	Name	Original		Replacement of	Replaced by			Page 32 / 54

Terminal diagram

F13_003

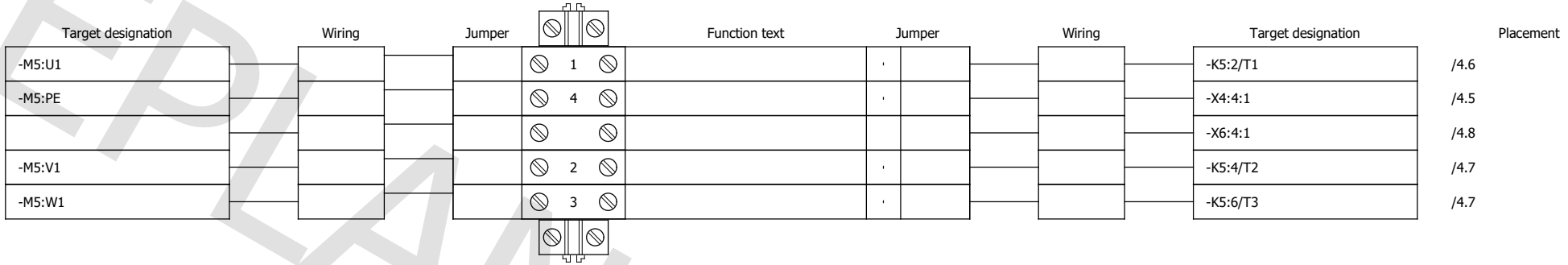


Terminal diagram

F13_003

Strip

=CA1+EAA-X5



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6

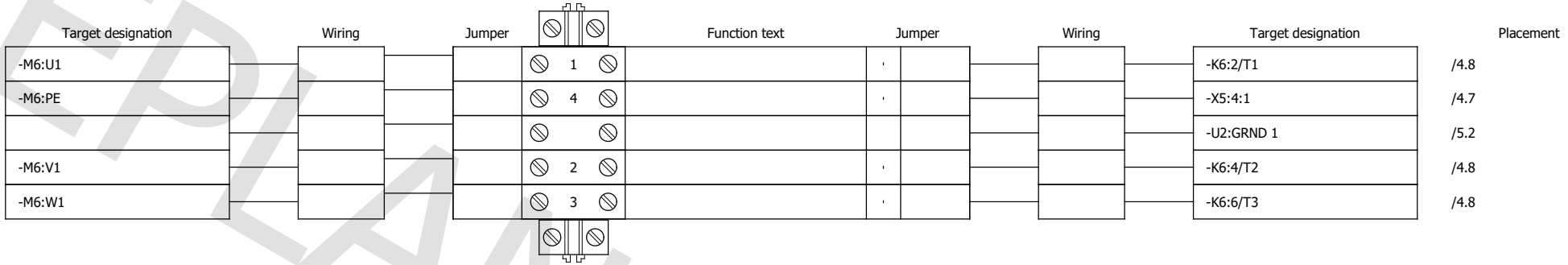
			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X5	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 5
Modification	Date	Name	Original		Replacement of	Replaced by			Page 34 / 54

Terminal diagram

F13_003

Strip

=CA1+EAA-X6



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			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X6	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 6
Modification	Date	Name	Original		Replacement of	Replaced by			Page 35 / 54

Terminal diagram

F13_003

Strip

=CA1+EAA-X7

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M7:U1			1				-K7:2/T1	/6.1
-M7:V1			2				-K7:4/T2	/6.1
-M7:W1			3				-K7:6/T3	/6.1
-M7:PE			4				-U2:GRND 1	/5.2
							-X8:4:1	/6.2

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X7	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 7
Modification	Date	Name	Original		Replacement of	Replaced by			Page 36 / 54

Terminal diagram

F13_003

Strip

=CA1+EAA-X8

External targets						Internal targets	
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M8:U1			1				-K8:2/T1	/6.2
-M8:PE			4				-X7:4	/6.1
							-X9:4:1	/6.4
-M8:V1			2				-K8:4/T2	/6.2
-M8:W1			3				-K8:6/T3	/6.2

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X8	= CA1	
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			Appr.		MCC Panel With PLC			Module003	Page 8
Modification	Date	Name	Original		Replacement of	Replaced by			Page 37 / 54

Terminal diagram

F13_003

Strip

=CA1+EAA-X9

External targets						Internal targets	
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M9:U1			1				-K9:2/T1	/6.3
-M9:PE			4				-X8:4:1	/6.2
							-X10:4:1	/6.5
-M9:V1			2				-K9:4/T2	/6.4
-M9:W1			3				-K9:6/T3	/6.4

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X9	= CA1	
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			Appr.		MCC Panel With PLC			Module003	Page 9
Modification	Date	Name	Original		Replacement of	Replaced by			Page 38 / 54

Terminal diagram

F13_003

Strip

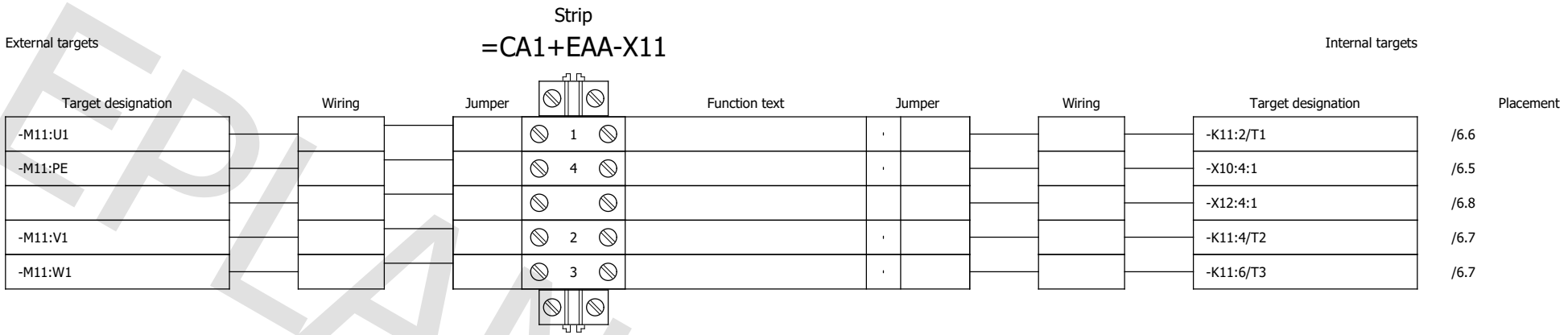
=CA1+EAA-X10

External targets						Internal targets	
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M10:U1			1				-K10:2/T1	/6.5
-M10:PE			4				-X9:4:1	/6.4
							-X11:4:1	/6.7
-M10:V1			2				-K10:4/T2	/6.5
-M10:W1			3				-K10:6/T3	/6.5

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X10	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 10
Modification	Date	Name	Original		Replacement of	Replaced by			Page 39 / 54

Terminal diagram

F13_003



Terminal diagram

F13_003

Strip

=CA1+EAA-X12

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M12:U1			1				-K12:2/T1	/6.8
-M12:PE			4				-X11:4:1	/6.7
							-X13:4	/7.1
-M12:V1			2				-K12:4/T2	/6.8
-M12:W1			3				-K12:6/T3	/6.8

Terminal diagram

F13_003

Strip

=CA1+EAA-X13

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M13:U1			1				-K13:2/T1	/7.1
-M13:V1			2				-K13:4/T2	/7.1
-M13:W1			3				-K13:6/T3	/7.1
-M13:PE			4				-X12:4:1	/6.8
							-X14:1:1	/7.3

Terminal diagram

F13_003

Strip

=CA1+EAA-X14

External targets						Internal targets	
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M14:U1			1				-K14:2/T1	/7.2
-M14:PE			1				-X13:4	/7.1
							-X15:1:1	/7.4
-M14:V1			2				-K14:4/T2	/7.2
-M14:W1			3				-K14:6/T3	/7.3

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X14	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 14
Modification	Date	Name	Original		Replacement of	Replaced by			Page 43 / 54

Terminal diagram

F13_003

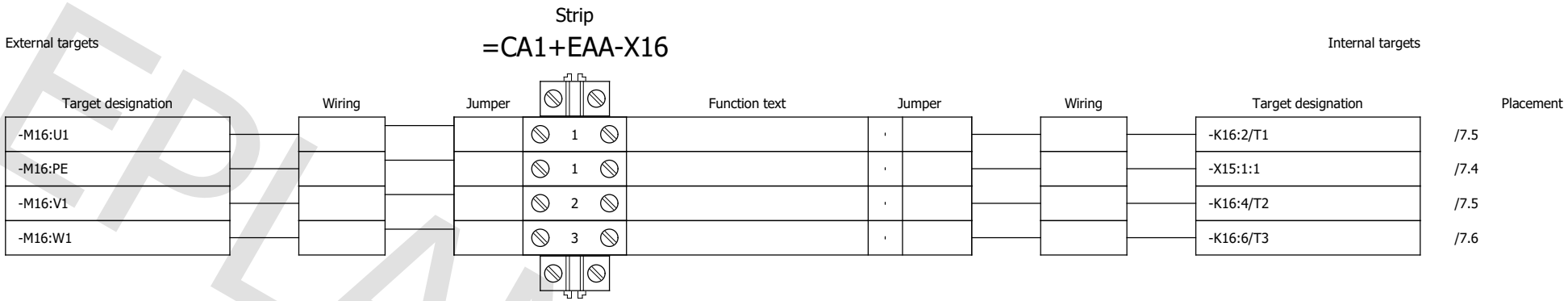
Strip

=CA1+EAA-X15

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M15:U1			1				-K15:2/T1	/7.4
-M15:PE			1				-X14:1:1	/7.3
							-X16:1:1	/7.6
-M15:V1			2				-K15:4/T2	/7.4
-M15:W1			3				-K15:6/T3	/7.4

Terminal diagram

F13_003



Terminal diagram

F13_003

Strip

=CA1+EAA-X17

External targets

Internal targets

Target designation	Wiring	Jumper		Function text	Jumper		Wiring	Target designation	Placement
-M17			1					-K17:2/T1	/8.1
-M17			2					-K17:4/T2	/8.1
-M17			3					-K17:6/T3	/8.1
-M17			4					-K18:2/T1	/8.2
-M17			5					-K18:4/T2	/8.2
-M17			6					-K18:6/T3	/8.2
-M17			7			•			

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X17	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 17
Modification	Date	Name	Original		Replacement of	Replaced by			Page 46 / 54

Terminal diagram

F13_003

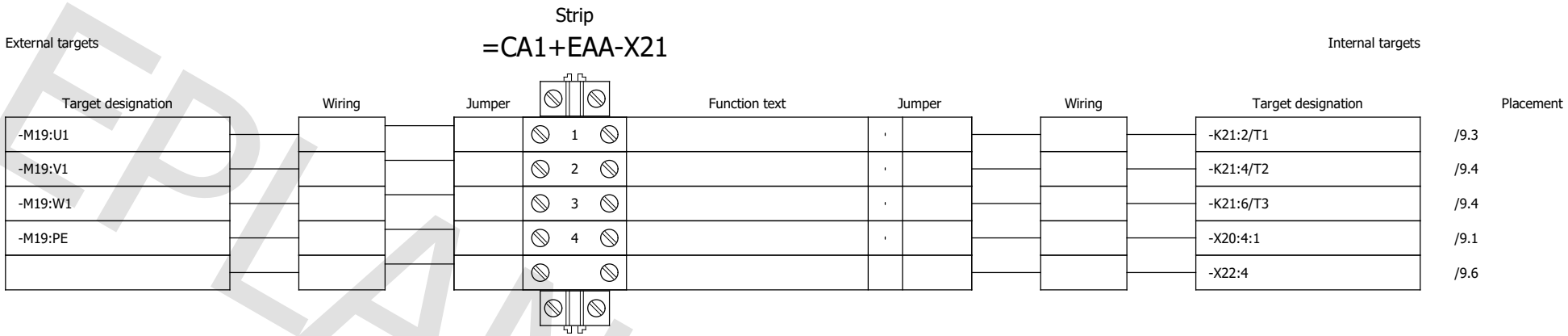
Strip

=CA1+EAA-X20

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M18:U1			1				-K20:2/T1	/9.1
-M18:V1			2				-K20:4/T2	/9.1
-M18:W1			3				-K20:6/T3	/9.1
-M18:PE			4				-X22:4	/9.6
							-X21:4:1	/9.4

Terminal diagram

F13_003



Terminal diagram

F13_003

Strip

=CA1+EAA-X22

External targets					Internal targets			
Target designation	Wiring	Jumper		Function text	Jumper	Wiring	Target designation	Placement
-M20:U1			1				-K22:2/T1	/9.6
-M20:V1			2				-K22:4/T2	/9.6
-M20:W1			3				-K22:6/T3	/9.6
-M20:PE			4				-X21:4:1	/9.4
							-X20:4:1	/9.1

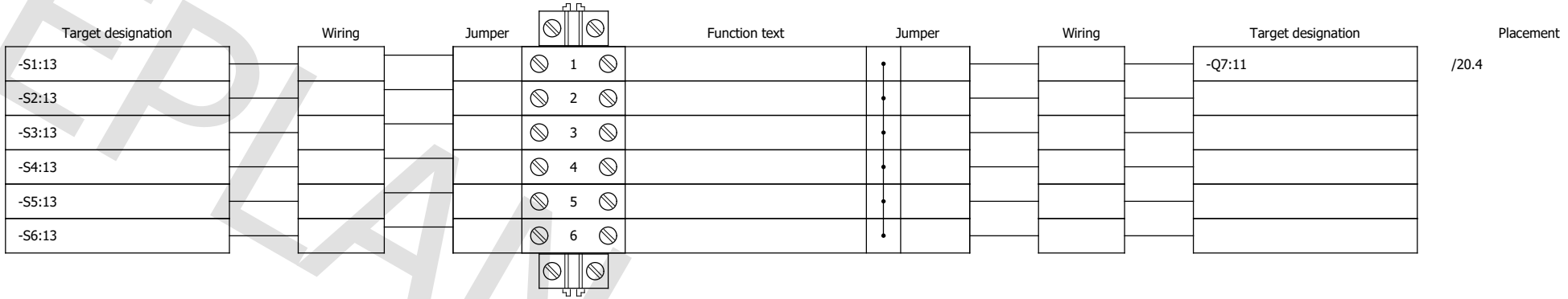
			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X22	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
			Appr.		MCC Panel With PLC			Module003	Page 20
Modification	Date	Name	Original		Replacement of	Replaced by			Page 49 / 54

Terminal diagram

F13_003

Strip

=CA1+EAA-X+24V



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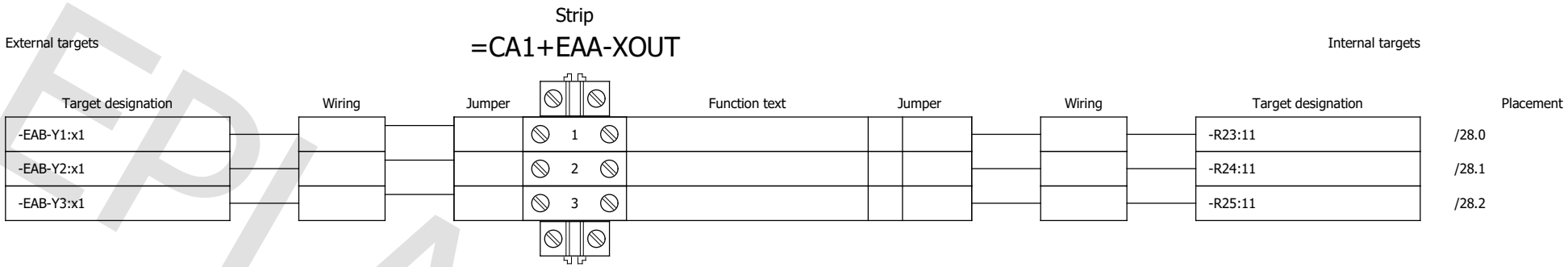
			Appr.		MCC Panel With PLC			Module003	Page 21
Modification	Date	Name	Original		Replacement of	Replaced by			Page 50 / 54

Terminal diagram

F13_003



Terminal diagram

F13_003

Strip

=CA1+EAA-X1

External targets					Internal targets	
Target designation	Wiring	Jumper	Function text	Jumper	Target designation	Placement
-M1:U1			1		-K1:2/T1	/4.1
-M1:V1			2		-K1:4/T2	/4.1
-M1:W1			3		-K1:6/T3	/4.1
-M1:PE			4		-U1:GRND 1	/3.2
					-X2:4	/4.2
			1			
			2			
			3			
			4			

			Date	9/19/2025	EPLAN	EPLAN GmbH & Co. KG	Terminal diagram =CA1+EAA-X1	= CA1	
			Ed.	mozenitsuu				+ Terminal Diagram	
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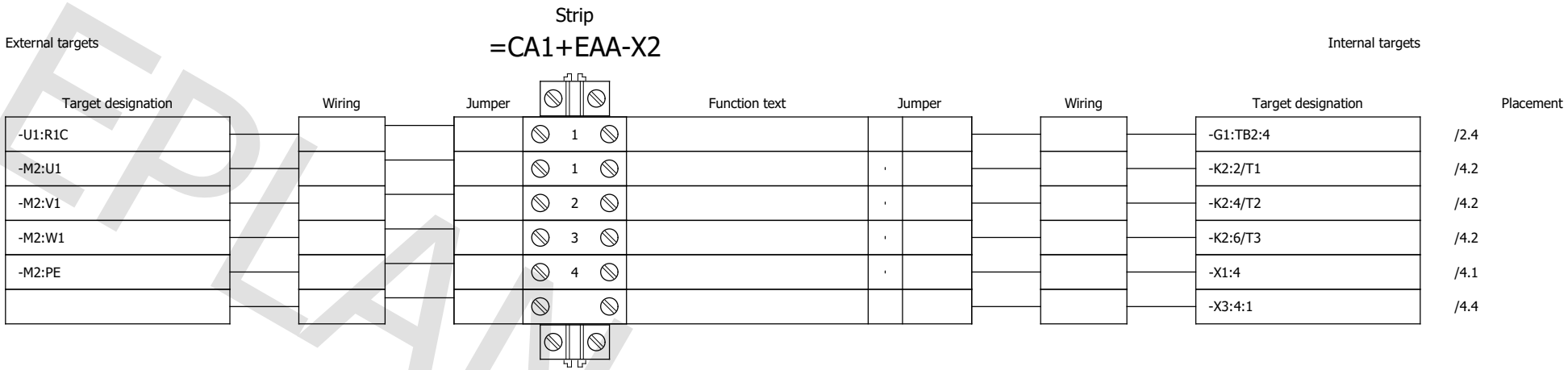
Modification	Date	Name	Original		Replacement of	Replaced by			Page 52 / 54

Terminal diagram

F13_003



Terminal diagram

F13_003