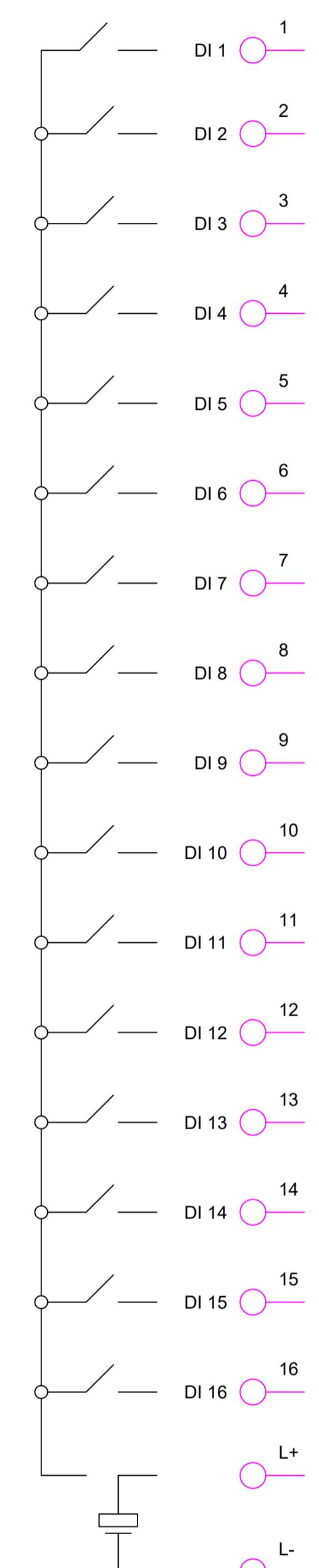


1 2 3 4 5 6 7 8 9 10 11 12

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SIEMENS

**ET 15S7-1500
DI 16x24VDC ST**

I2.0 I2.1 I2.2 I2.3 I2.4 I2.5 I2.6 I2.7 I3.0 I3.1 I3.2 I3.3 I3.4 I3.5 I3.6 I3.7

TG_S2_PB_02
TG_S1_OI_INV_02
TG_S3_PS_ESTP_S03
TG_S3_PS_HG_S03
TG_S3_PS_LOW_S03
TG_S3_PRMX_S03
TG_S3_LS1.1_S03
TG_S3_LS1.2_S03
TG_S3_KN_S03
TG_S3_PB_S03
TG_S1_OI_INV_03
TG_MX1_WH1_LS_M01
TG_MX1_WHM1_LS_M01
TG_MX1_ADD_LS_M01
TG_MX1_MD_LS_M01
TG_MX1_DM_LS_M01

TG_S2_M01**TG_S3_M01****TG_WH_MIX_M01**

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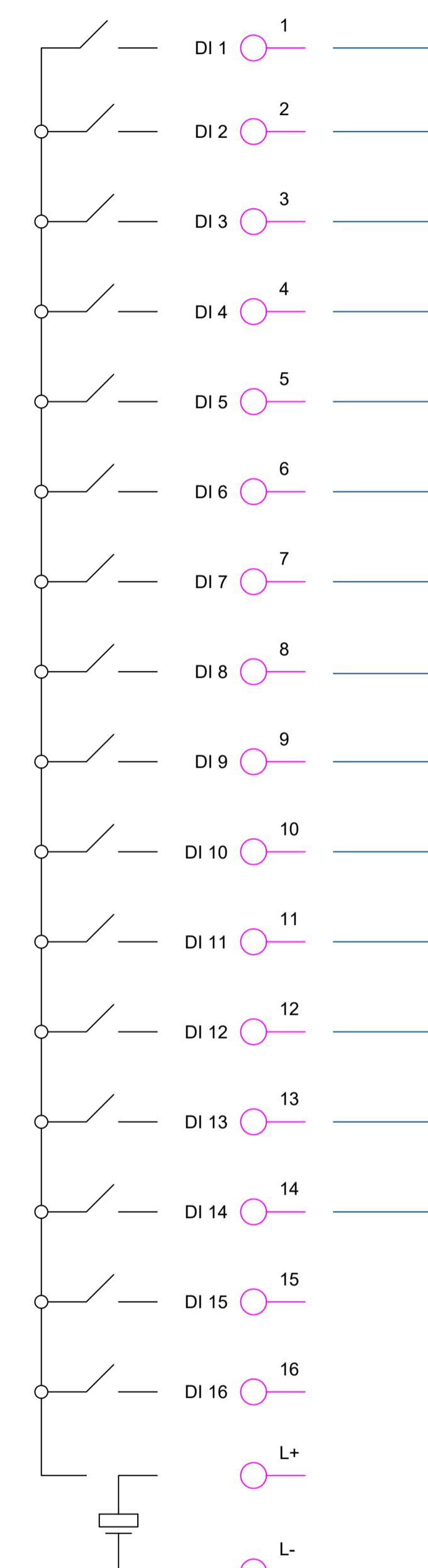
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	MU mortar utama SAINT-GOBAIN	Title Digital Input 2	Project Address Tile Grouting					
3	19-05-2025		Drawn	RAFLI					+				
			Appr.						Sheet No.35				
			Norm		IO Electrical				108 Sheet				
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

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**ET 15S7-1500
DI 16x24VDC ST****SIEMENS**

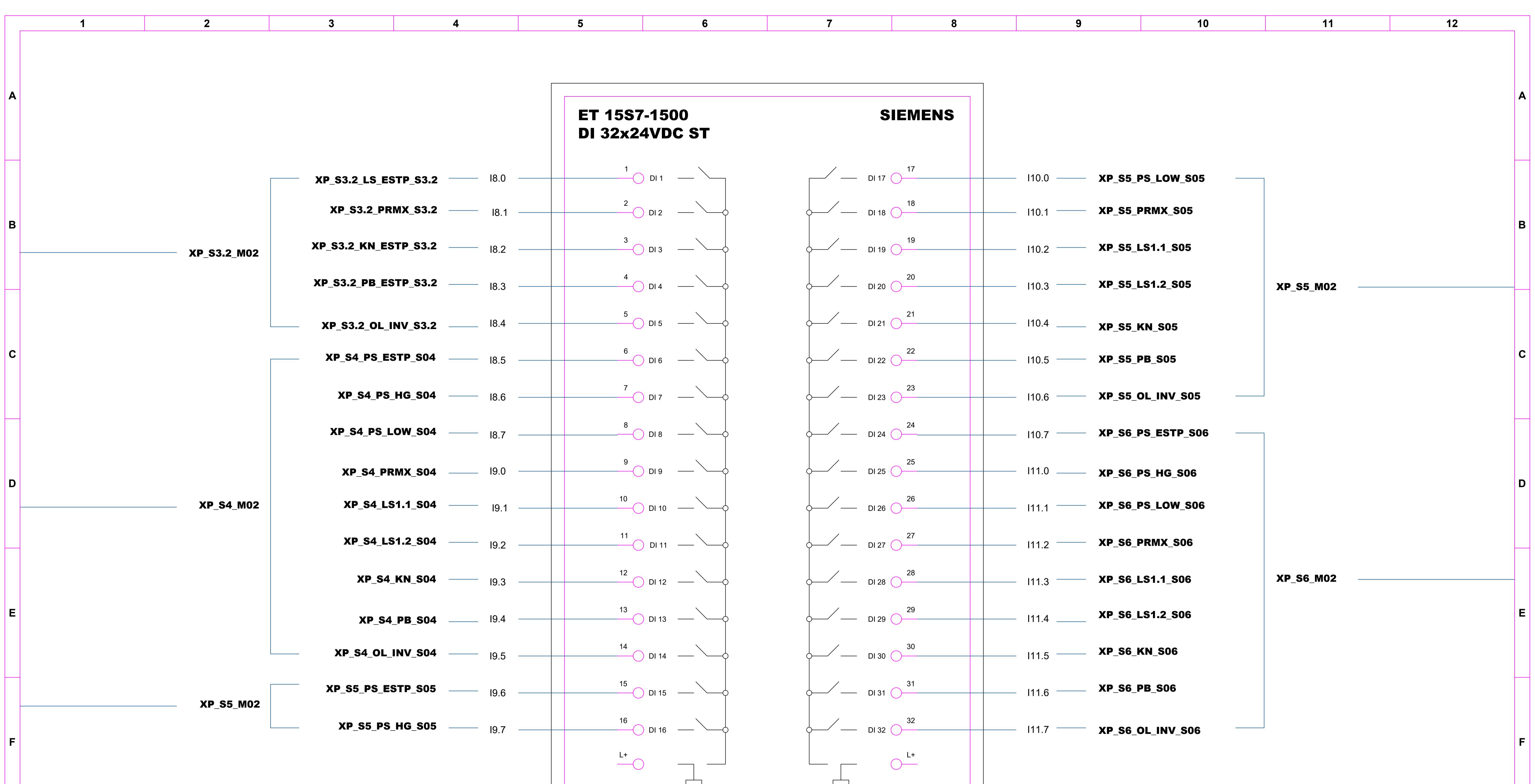
I4.0 I4.1 I4.2 I4.3 I4.4 I4.5 I4.6 I4.7 I5.0 I5.1 I5.2 I5.3 I5.4 I5.5

TG_PS_ADD_M01
TG_MX1_MH_LS_M01
TG_MX1_ESTP_PB_M01
TG_MX1_OD_PRX_M01
TG_MX1_CD_PRX_M01
TG_MX1_SP_PB_M01
TG_MX1_CA_PB_M01
TG_MX1_OC1_KC_M01
TG_MX1_OC2_KC_M01
TG_MX1_DM_KN_M01
TG_MX1_RM_PB_M01
TG_MX1_OI_INV_M01
TG_MX1_SHHP_PS_M01
TG_MX1_SLHP_PS_M01

TG_WH_MIX_M01**TG_MIX_M01****TG_HP_MIX_M01**

H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	MU mortar utama SAINT-GOBAIN	Title Digital Input 3	Project Address Tile Grouting	
	3	19-05-2025			Drawn RAFLI					
					Appr.					
				Norm		IO Electrical				+ Sheet No.36 108 Sheet

2 3 4 5 6 7 8 9 10 11 12



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN	Title Digital Input 1 Pro-X Batching Sheet No.37 108 Sheet	Project  WAMGROUP®	H
3	19-05-2025			Drawn	RAFLI				
				Appr.					
				Norm	IO Electrical				

1 2 3 4 5 6 7 8 9 10 11 12

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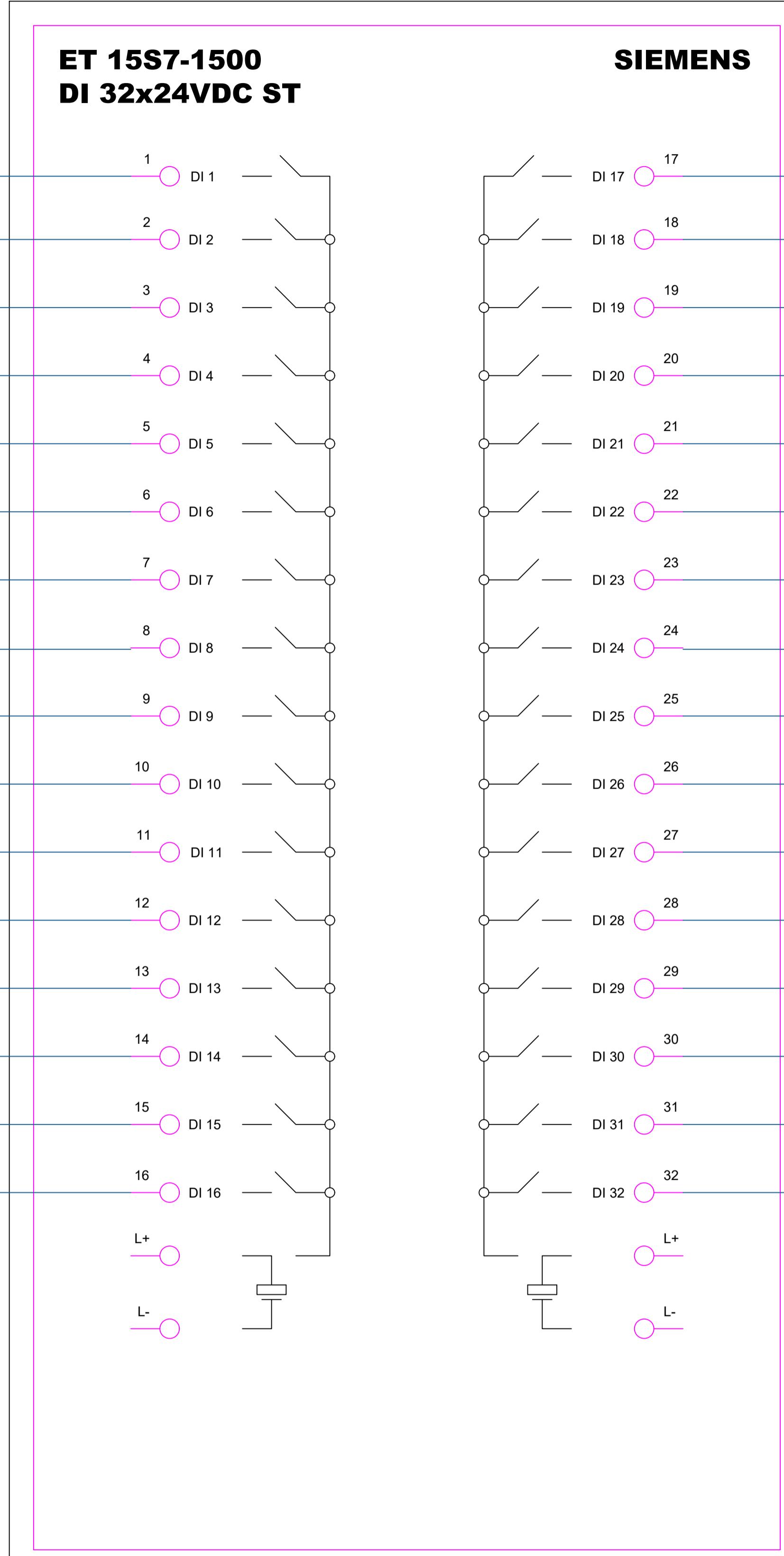
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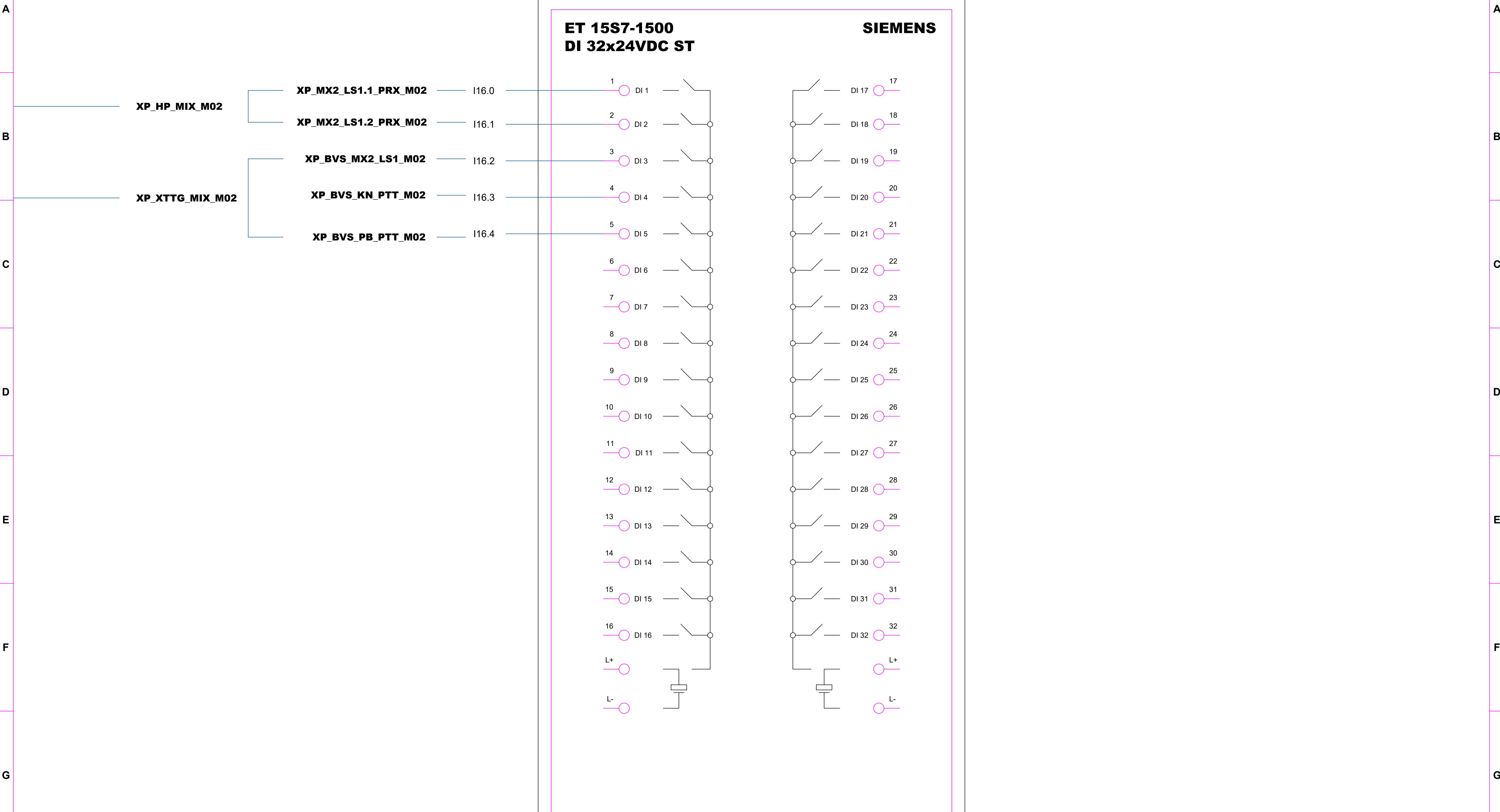
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title	Digital Input 2	Project			
3	19-05-2025		Drawn	RAFLI								
			Appr.									
			Norm		IO Electrical				Pro-X Batching	+ Sheet No.38		108 Sheet
2	3	4	5	6	7	8	9	10	11	12		

1 2 3 4 5 6 7 8 9 10 11 12

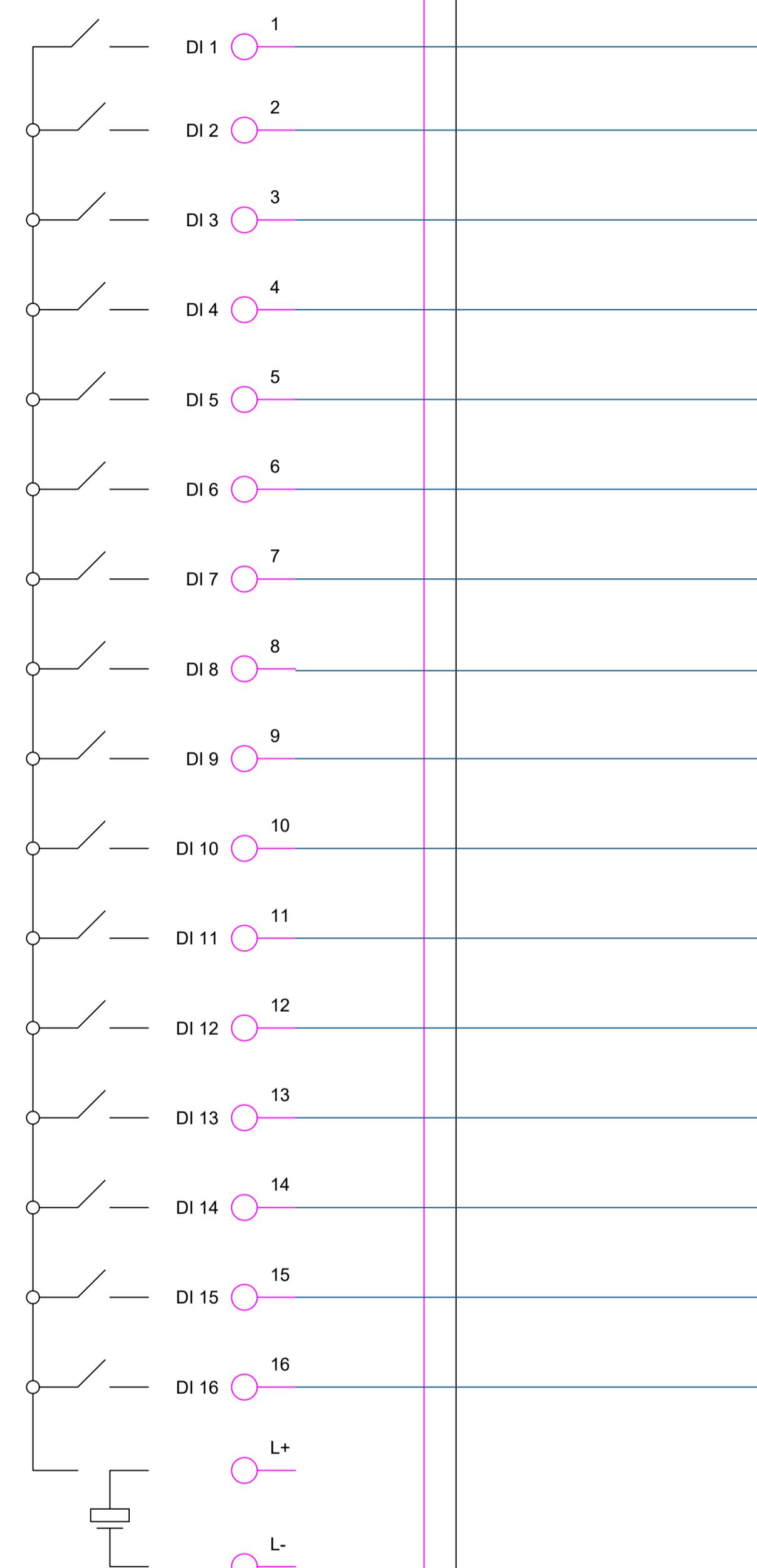


H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title	Project		
	3	19-05-2025			Drawn	RAFLI					
					Appr.						
				Norm		IO Electrical		Digital Input 3		Pro-X Batching	
										+ Sheet No.39 108 Sheet	

2 3 4 5 6 7 8 9 10 11 12

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SIEMENS

**ET 15S7-1500
DI 16x24VDC ST**

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I20.0	NS_S7_PS_ESTP_S07
I20.1	NS_S7_PS_HG_S07
I20.2	NS_S7_PS_LOW_S07
I20.3	NS_S7_PRMX_S07
I20.4	NS_S7_LS1.1_S07
I20.5	NS_S7_LS1.2_S07
I20.6	NS_S7_KN_S07
I20.7	NS_S7_PB_S07
I21.0	NS_S7_OL_INV_S07
I21.1	NS_S8_PS_ESTP_S08
I21.2	NS_S8_PS_HG_S08
I21.3	NS_S8_PS_LOW_S08
I21.4	NS_S8_PRMX_S08
I21.5	NS_S8_LS1.1_S08
I21.6	NS_S8_LS1.2_S08
I21.7	NS_S8_KN_S08

NS_S07_M03**NS_S08_M03**

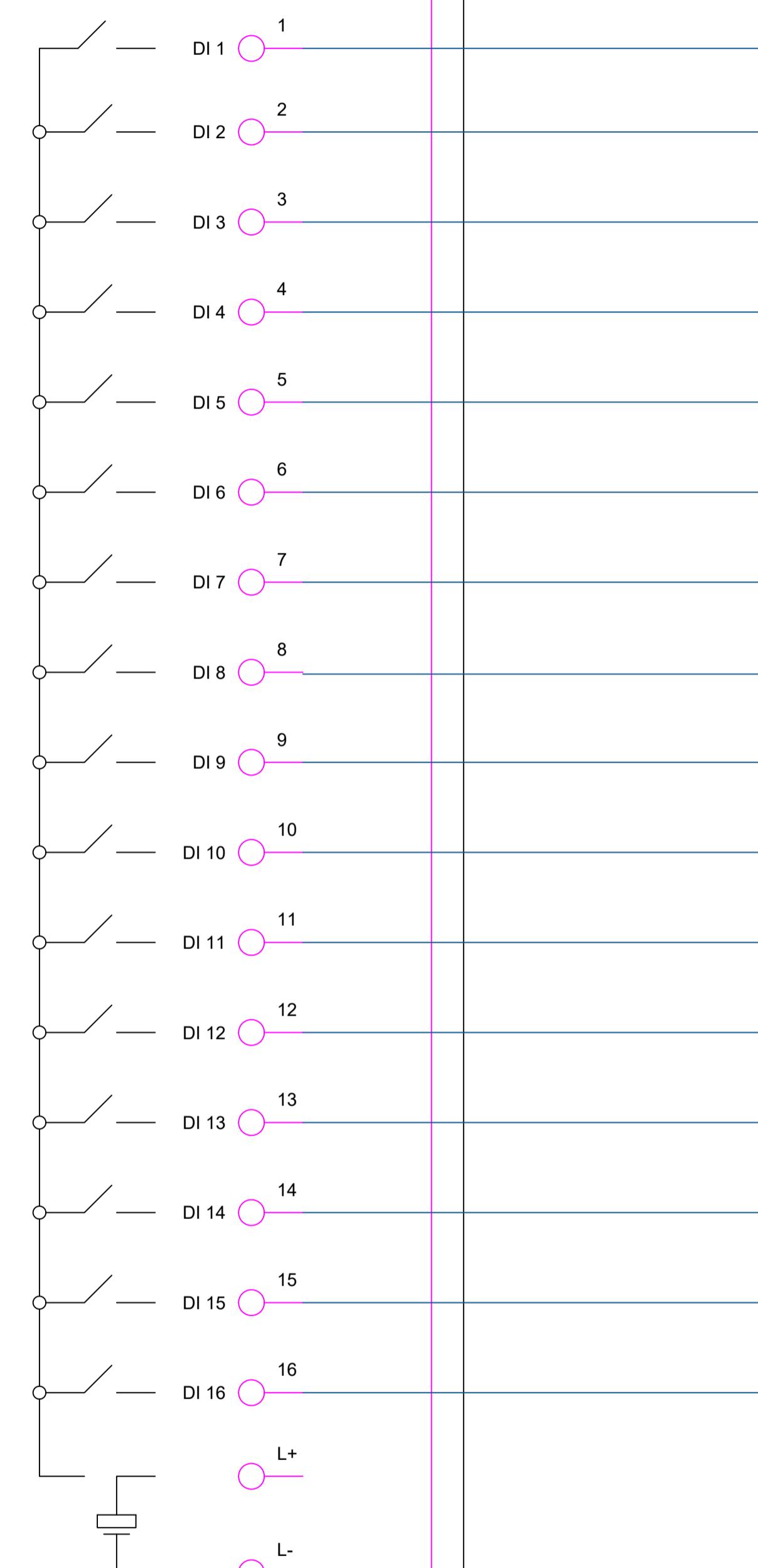
Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	MU mortar utama SAINT-GOBAIN	Title Digital Input 1	Project Non Sanded Batching			
3	19-05-2025		Drawn	RAFLI					+		
			Appr.						Sheet No.40		
			Norm		IO Electrical				108 Sheet		

1 2 3 4 5 6 7 8 9 10 11 12

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**ET 15S7-1500
DI 16x24VDC ST**

SIEMENS



I22.0	NS_S8_PB_S08
I22.1	NS_S7_OL_INV_S08
I22.2	NS_S9_PS_ESTP_S09
I22.3	NS_S9_PS_HG_S09
I22.4	NS_S9_PS_LOW_S09
I22.5	NS_S9_PRMX_S09
I22.6	NS_S9_LS1.1_S09
I22.7	NS_S9_LS1.2_S09
I23.0	NS_S9_KN_S09
I23.1	NS_S9_PB_S09
I23.2	NS_S7_OL_INV_S09
I23.3	NS_S10_PS_ESTP_S10
I23.4	NS_S10_PS_HG_S10
I23.5	NS_S10_PS_LOW_S10
I23.6	NS_S10_PRMX_S10
I23.7	NS_S10_LS1.1_S10

NS_S08_M03

NS_S09_M03

NS_S10_M03

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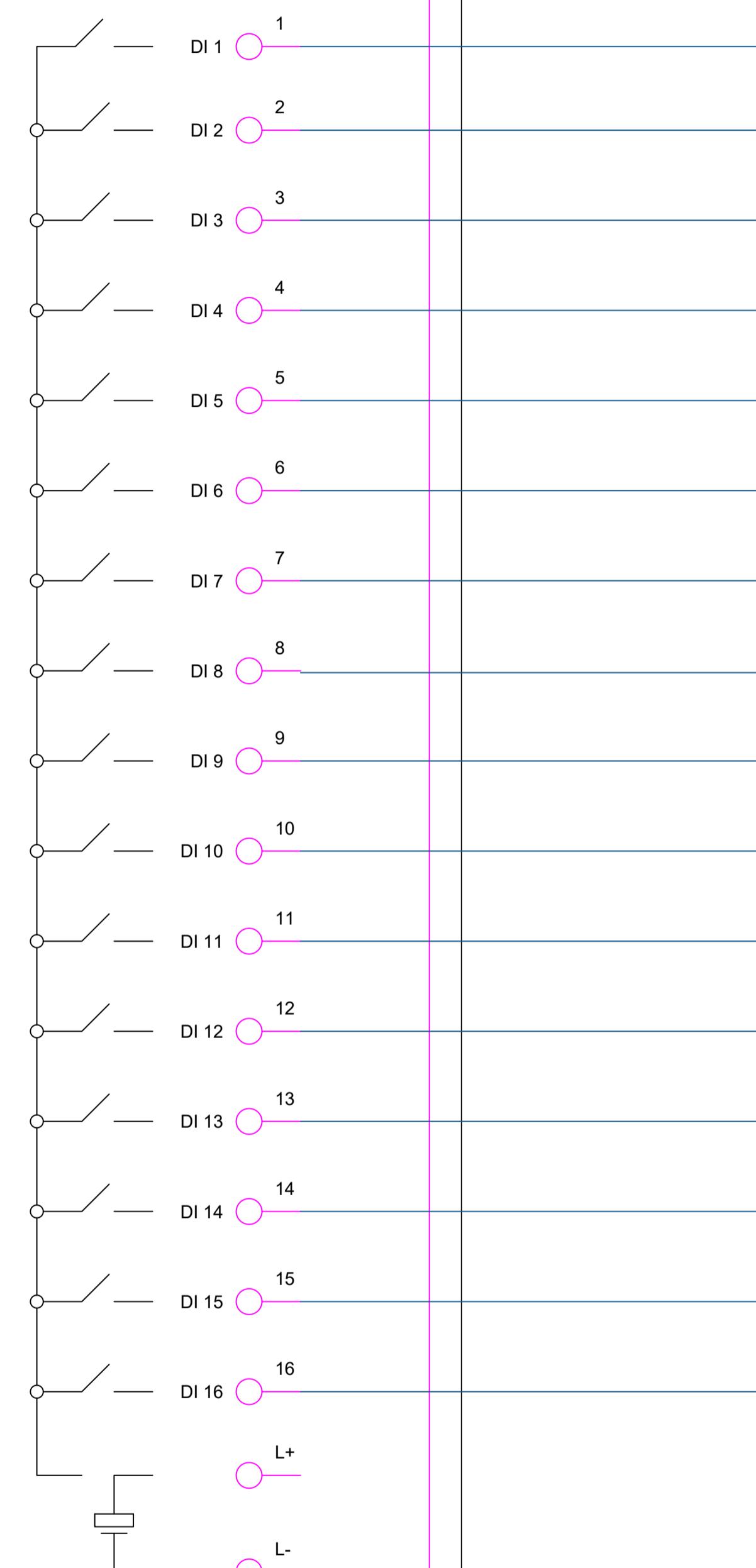
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	WAMGROUP	Title Digital Input 2	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.41
			Norm						108 Sheet

1 2 3 4 5 6 7 8 9 10 11 12

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**ET 15S7-1500
DI 16x24VDC ST****SIEMENS**

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I24.0 _____ **NS_S10_LS1.2_S10**I24.1 _____ **NS_S10_KN_S10**I24.2 _____ **NS_S10_PB_S10**I24.3 _____ **NS_S7_OL_INV_S10**

C

I24.4 _____ **NS_MX3_WH3_LS_M03**I24.5 _____ **NS_MX3_WHM3_LS_M03**

D

I24.6 _____ **NS_MX3_ADD_LS_M03**I24.7 _____ **NS_MX3_MD_LS_M03**

E

I25.0 _____ **NS_MX3_DM_LS_M03**I25.1 _____ **NS_MX3_MH_LS_M03**I25.2 _____ **NS_MX3_ESTP_PB_M03**I25.3 _____ **NS_MX3_OD_PRX_M03**I25.4 _____ **NS_MX3_CD_PRX_M03**

F

I25.5 _____ **NS_MX3_SP_PB_M03**I25.6 _____ **NS_MX3_CA_PB_M03**I25.7 _____ **NS_MX3_OC1_KC_M03**

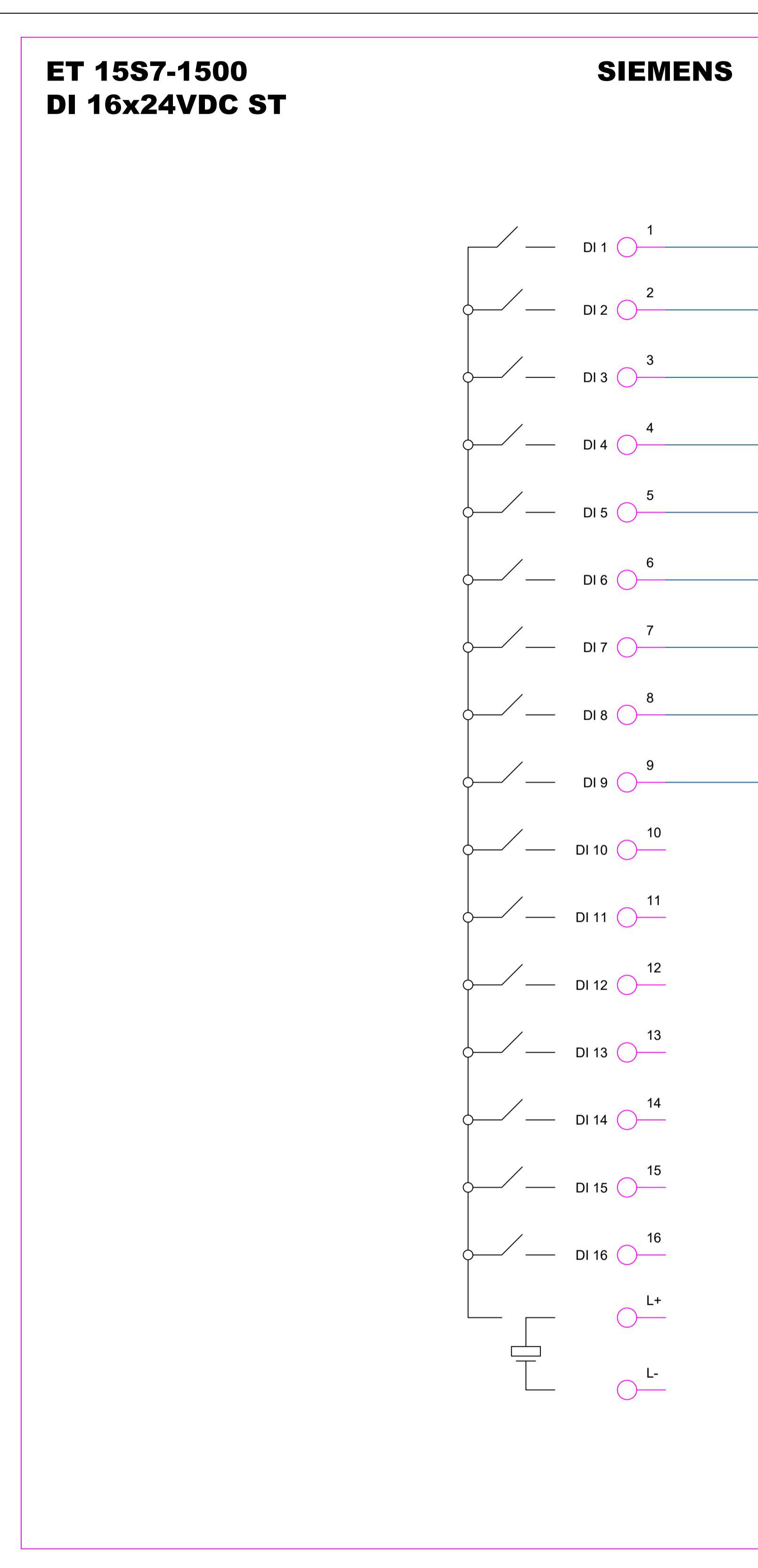
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NS_S10_M03**NS_WH_MIX_M03****NS_MIX_M03**

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Digital Input 3**IO Electrical**

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	MU mortar utama SAINT-GOBAIN	Title	Project				
3	19-05-2025		Drawn	RAFLI								
			Appr.									
			Norm						Non Sanded Batching			
									+ Sheet No.42			
									108 Sheet			



SIEMENS

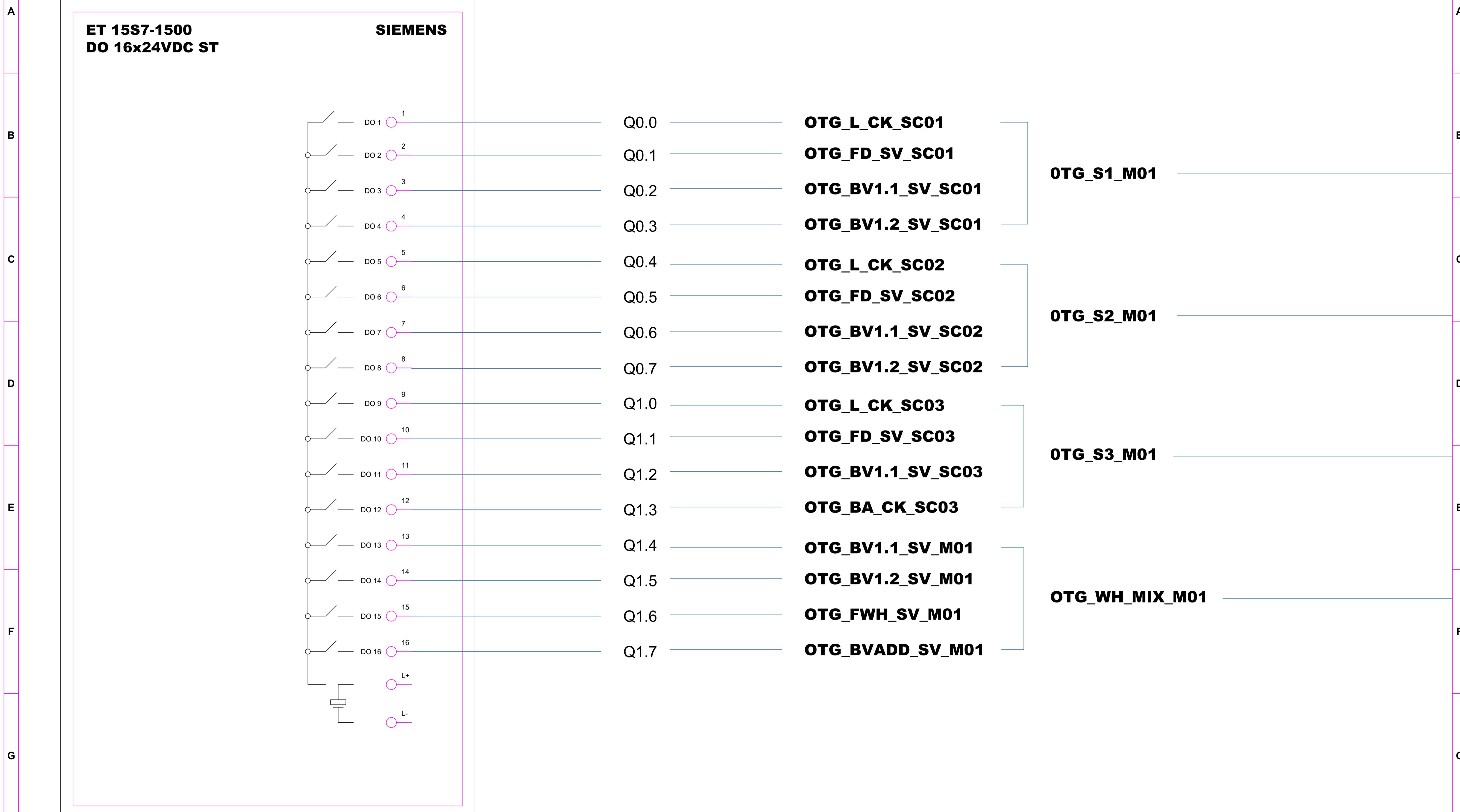
**ET 15S7-1500
DI 16x24VDC ST**

- The diagram illustrates a 16-channel digital input module. On the left, 16 digital inputs (DI 1 to DI 16) are shown as open contacts connected to a common ground rail. A vertical magenta line separates the inputs from the output section. On the right, 16 output terminals (labeled 1 through 16) are connected to a common power rail. Below the outputs, there is a small circuit element consisting of a resistor and a capacitor in series, followed by a diode (L+) and a ground connection (L-).

NS_MIX_M03

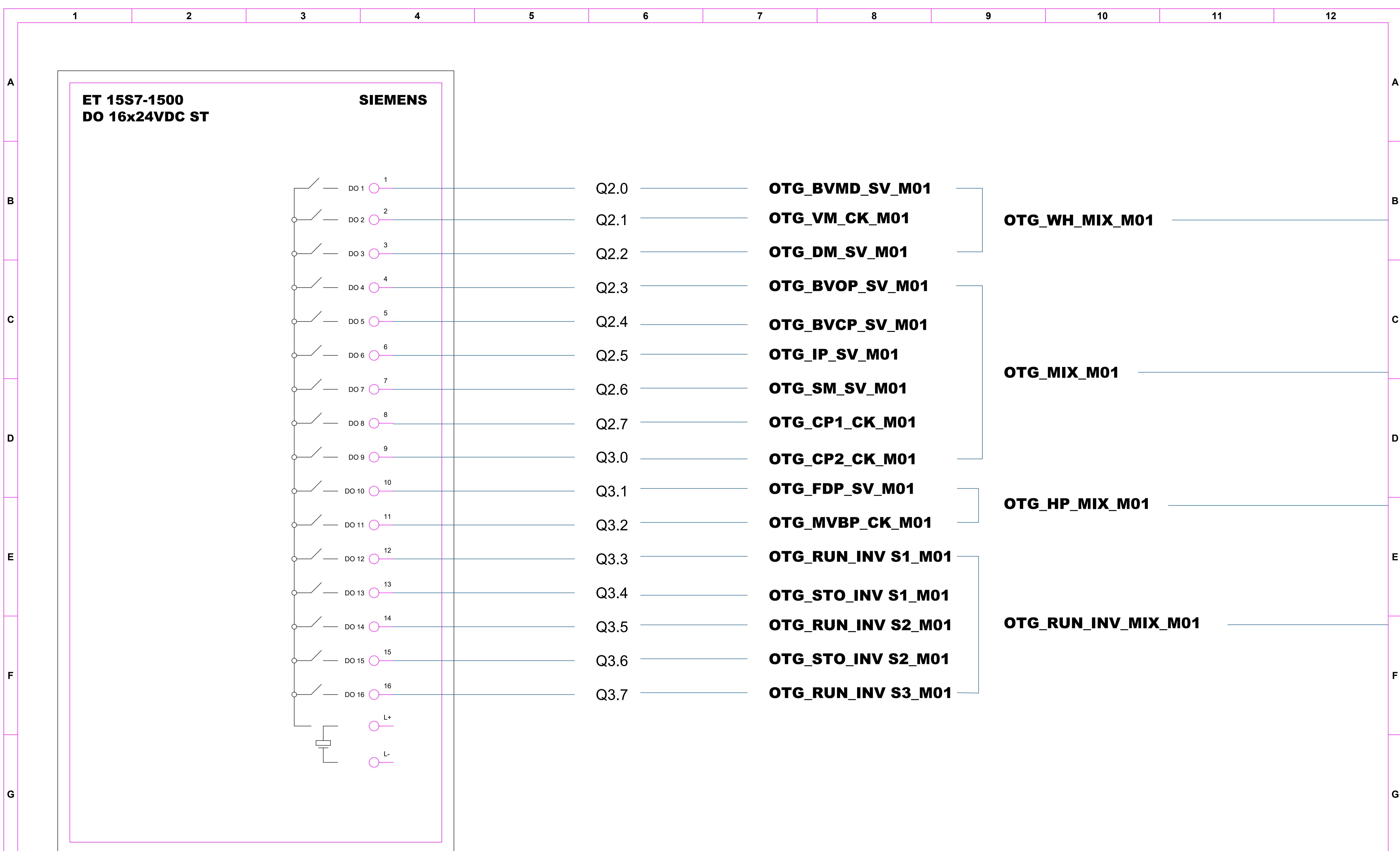
NS_HP_MIX_M03

1 2 3 4 5 6 7 8 9 10 11 12



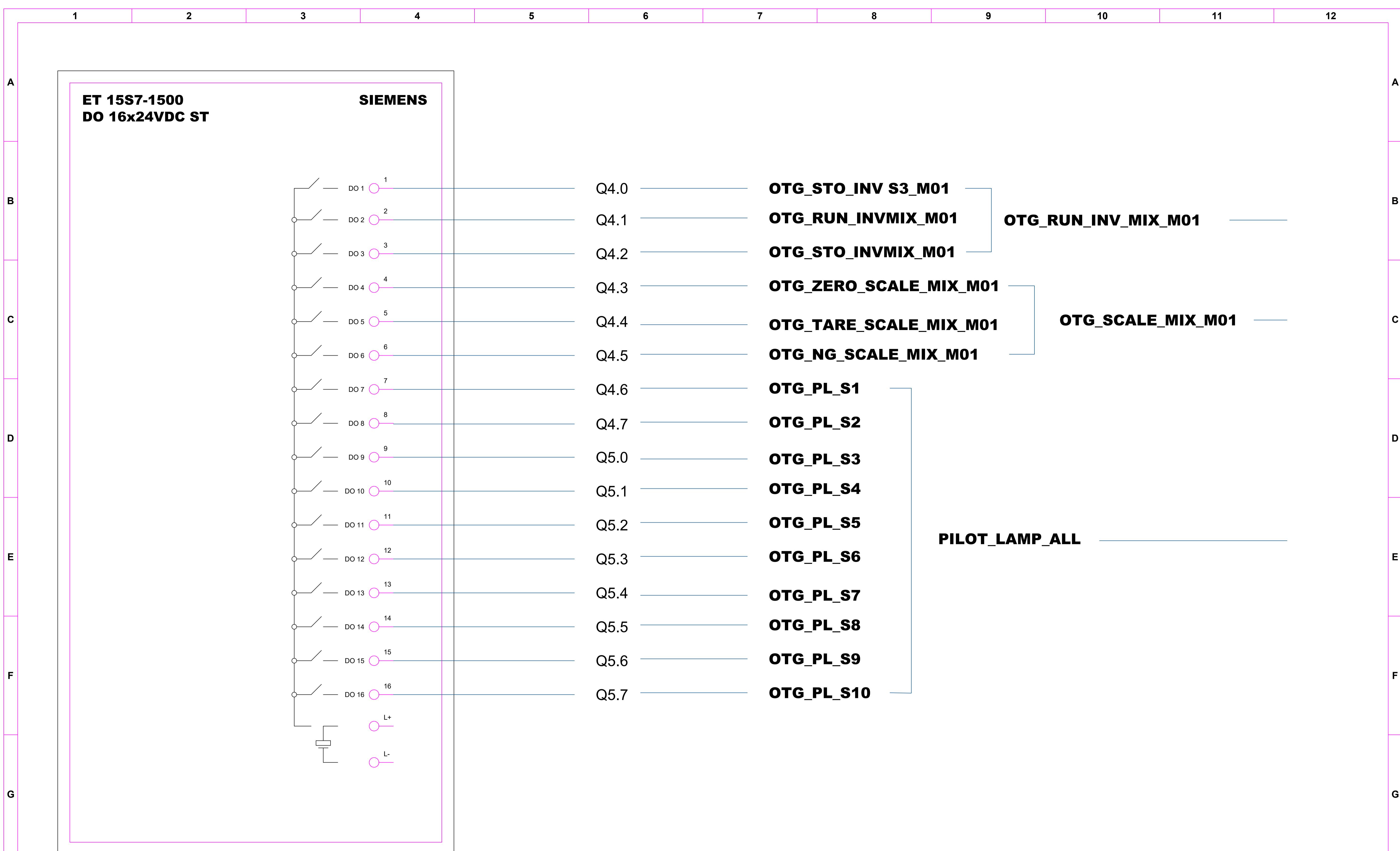
H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title	WAMGROUP®	Project						
	3	19-05-2025		Drawn	RAFLI											
				Appr.												
				Norm		IO Electrical										
						2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Digital Output 2	Project Address Tile Grouting		
3	19-05-2025		Drawn	RAFLI						
			Appr.							
			Norm		IO Electrical				+ Sheet No.45 108 Sheet	
2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	AMU mortar utama SAINT-GOBAIN	Title Digital Output 3	Project Address Tile Grouting				
3	19-05-2025			Drawn RAFLI								
				Appr.								
				Norm		IO Electrical						
						6	7	8	9	10	11	12





H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Digital Output 2	Project Pro-X Batching	H
	3	19-05-2025		Drawn	RAFLI					
				Appr.						
				Norm		IO Electrical				

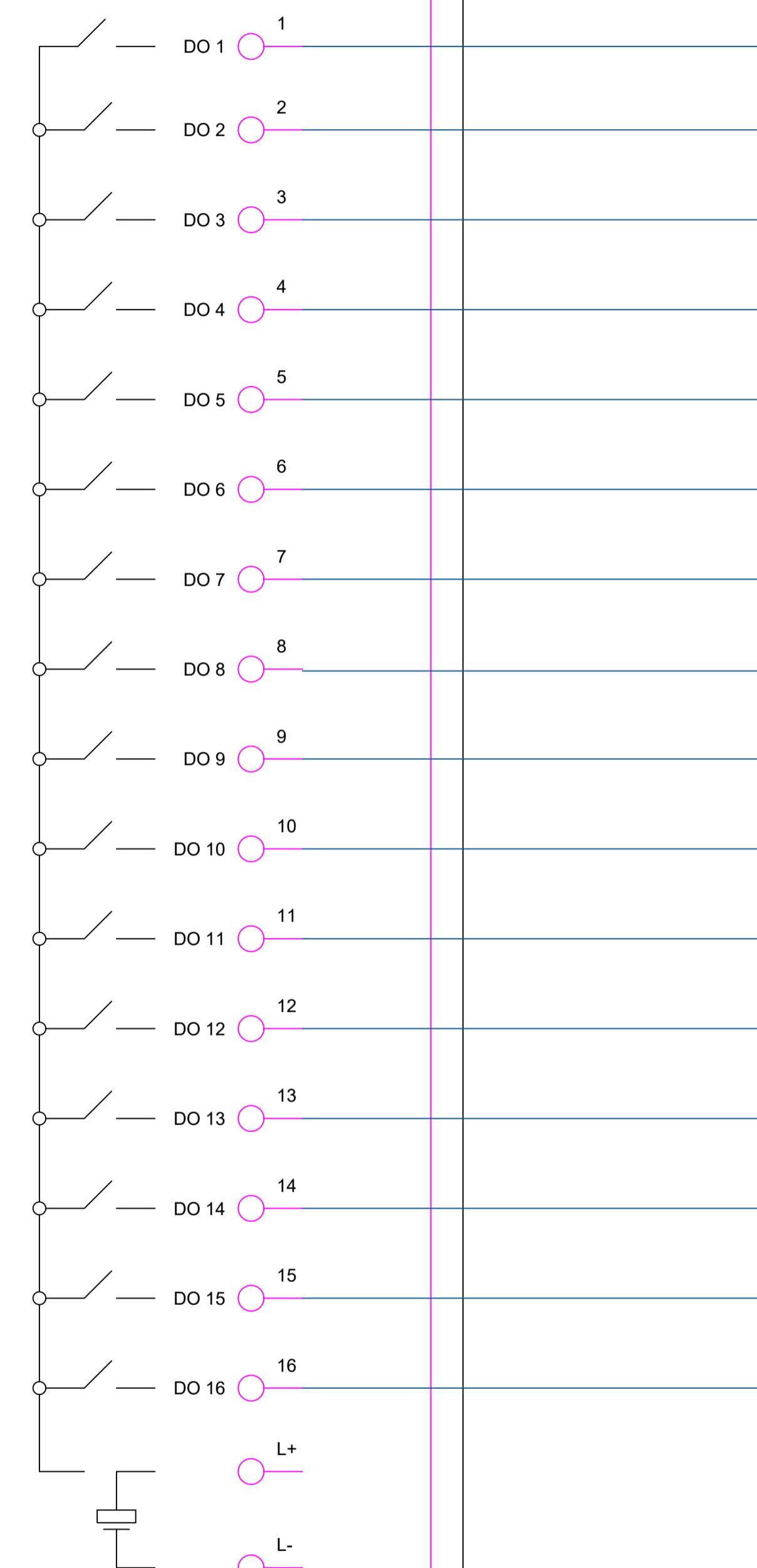
+
Sheet No.48
108 Sheet

1 2 3 4 5 6 7 8 9 10 11 12

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SIEMENS

**ET 15S7-1500
DO 16x24VDC ST**



Q14.0 Q14.1 Q14.2 Q14.3 Q14.4 Q14.5 Q14.6 Q14.7 Q15.0 Q15.1 Q15.2 Q15.3 Q15.4 Q15.5 Q15.6 Q15.7

ONS_L_CK_SC07
ONS_FD_SV_SC07
ONS_BV1.1_SV_SC07
ONS_BV1.2_SV_SC07
ONS_L_CK_SC08
ONS_BV_VM_SC08
ONS_BV1.1_SV_SC08
ONS_BV1.2_SV_SC08
ONS_L_CK_SC09
ONS_FD_SV_SC09
ONS_BV1.1_SV_SC09
ONS_BV1.2_SV_SC09
ONS_L_CK_SC10
ONS_FD_SV_SC10
ONS_BV1.1_SV_SC10
ONS_BV1.2_SV_SC10

ONS_S07_M03

ONS_S08_M03

ONS_S09_M03

ONS_S10_M03

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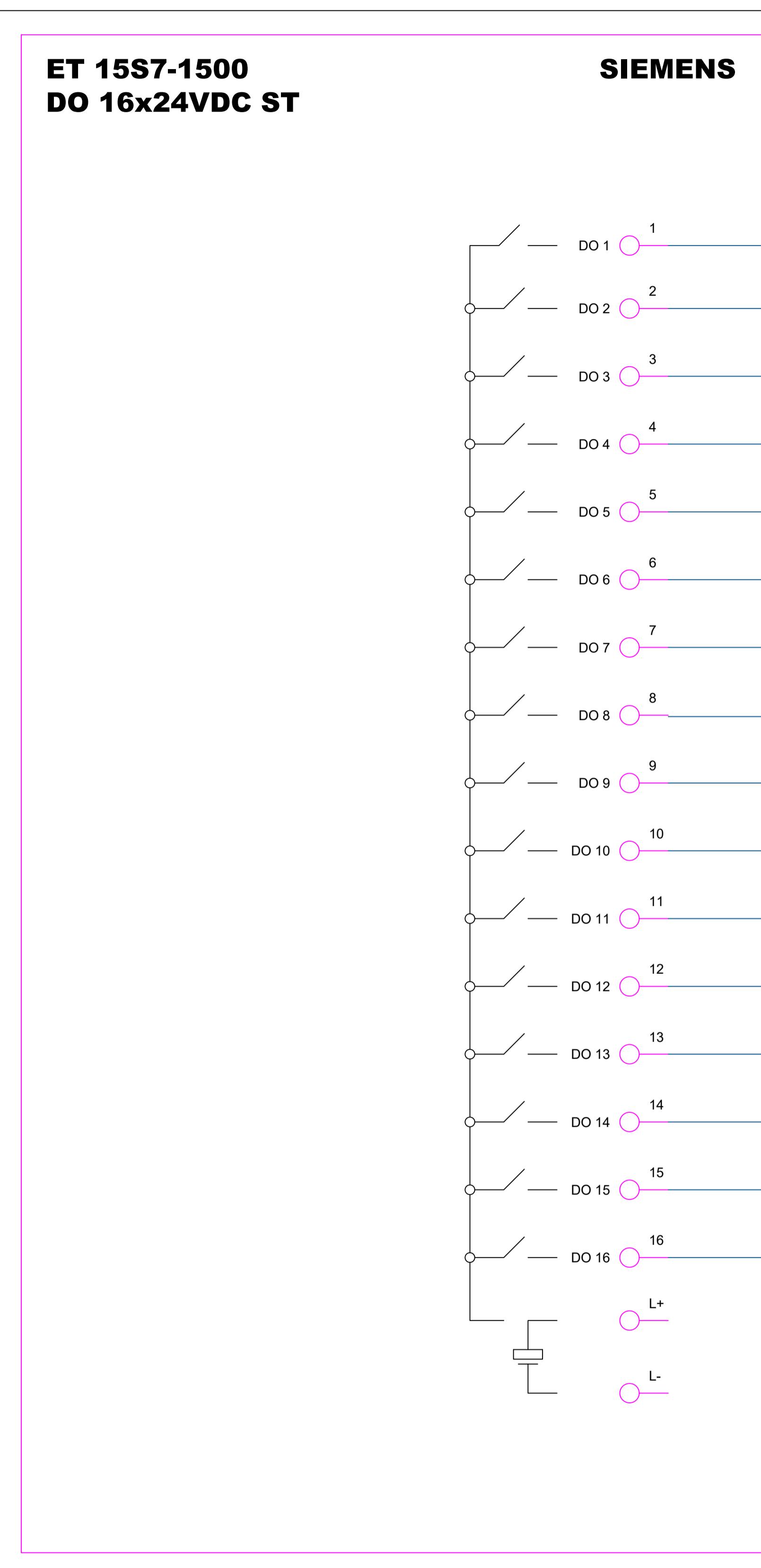
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	MU mortar SAINT-GOBAIN	Title	Digital Output 1	Project			
3	19-05-2025		Drawn	RAFLI								
			Appr.									
			Norm		IO Electrical					Non Sanded Batching	+ Sheet No.49	108 Sheet

1 2 3 4 5 6 7 8 9 10 11 12

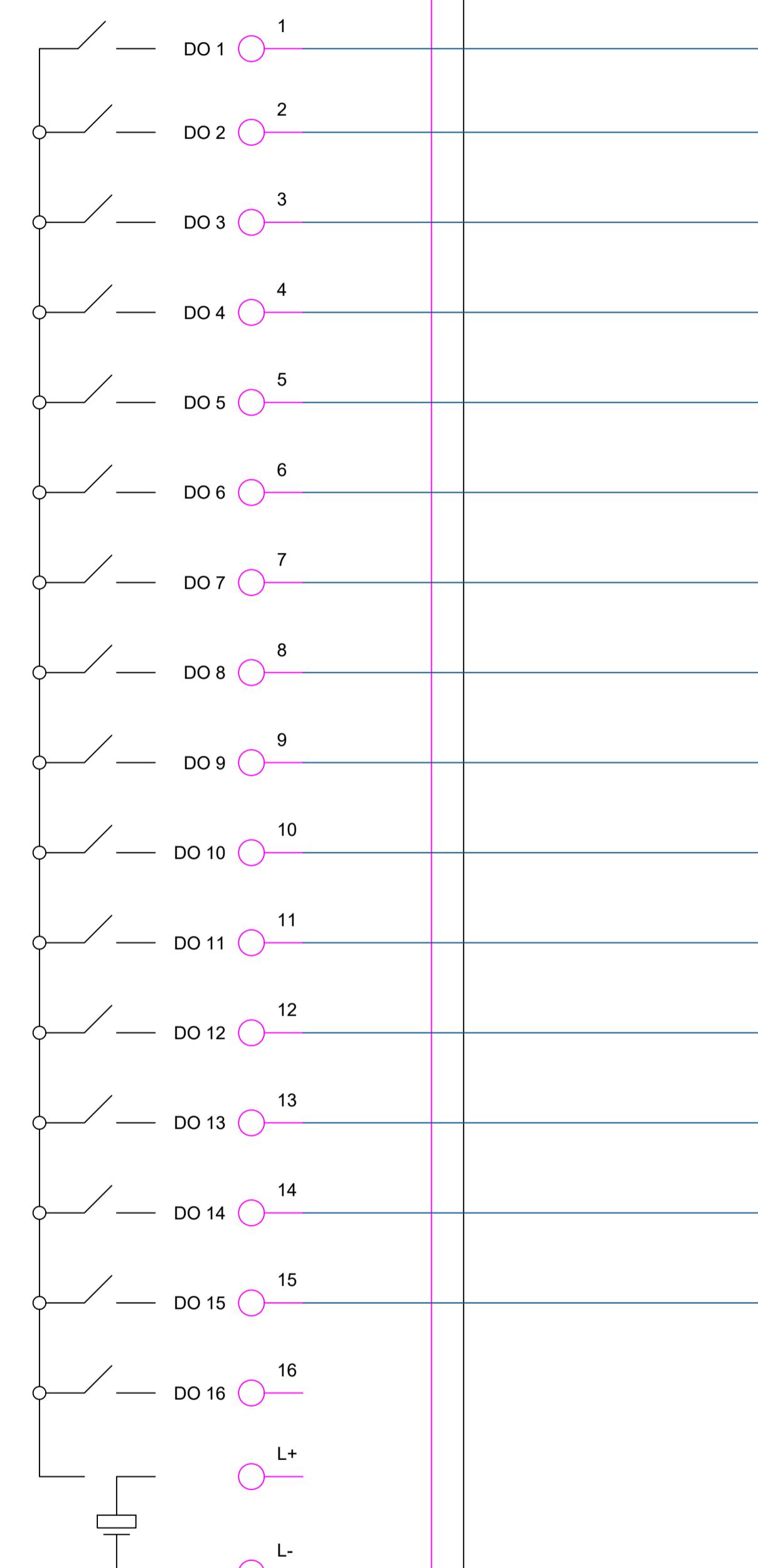


1 2 3 4 5 6 7 8 9 10 11 12

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**ET 15S7-1500
DO 16x24VDC ST**

SIEMENS



Q18.0 Q18.1 Q18.2 Q18.3 Q18.4 Q18.5 Q18.6 Q18.7 Q19.0 Q19.1 Q19.2 Q19.3 Q19.4 Q19.5 Q19.6

ONS_MX3_VM1.1_SV_M03
ONS_MX3_VM1.2_SV_M03
OTG_RUN_INV S7_M03
OTG_STO_INV S7_M03
OTG_RUN_INV S8_M03
OTG_STO_INV S8_M03
OTG_RUN_INV S9_M03
OTG_STO_INV S9_M03
OTG_RUN_INV S10_M03
OTG_STO_INV S10_M03
OTG_RUN_INV MIX_M03
OTG_STO_INV MIX_M03
OTG_ZERO_SCALE_MIX_M02
OTG_TARE_SCALE_MIX_M02
OTG_NG_SCALE_MIX_M02

ONS_HP_MIX_M03

OTG_RUN_INV_MIX_M02

OTG_SCALE_MIX_M02

A

B

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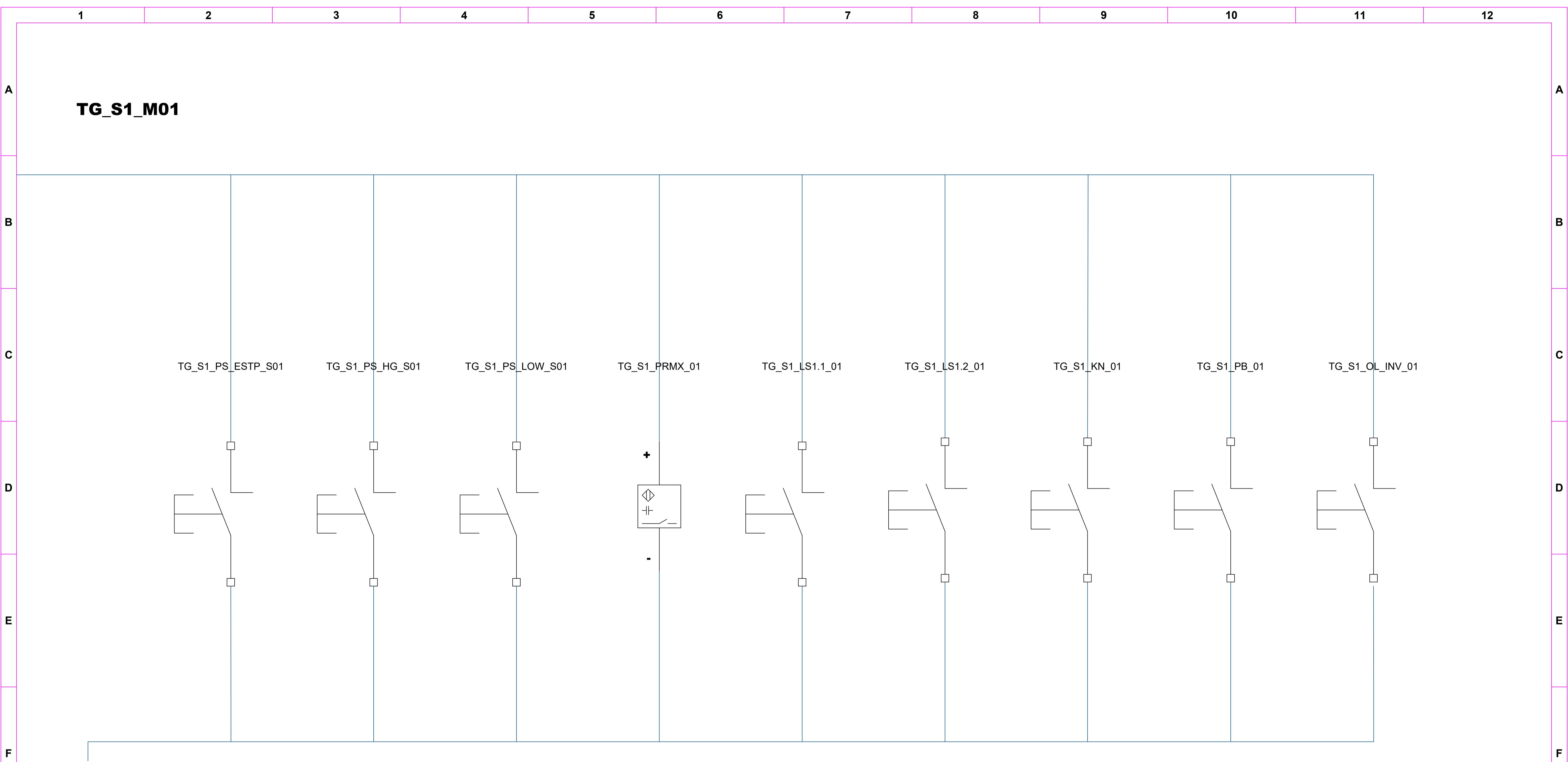
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Digital Output 4	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					
			Appr.						
			Norm		IO Electrical				+ Sheet No.51 108 Sheet

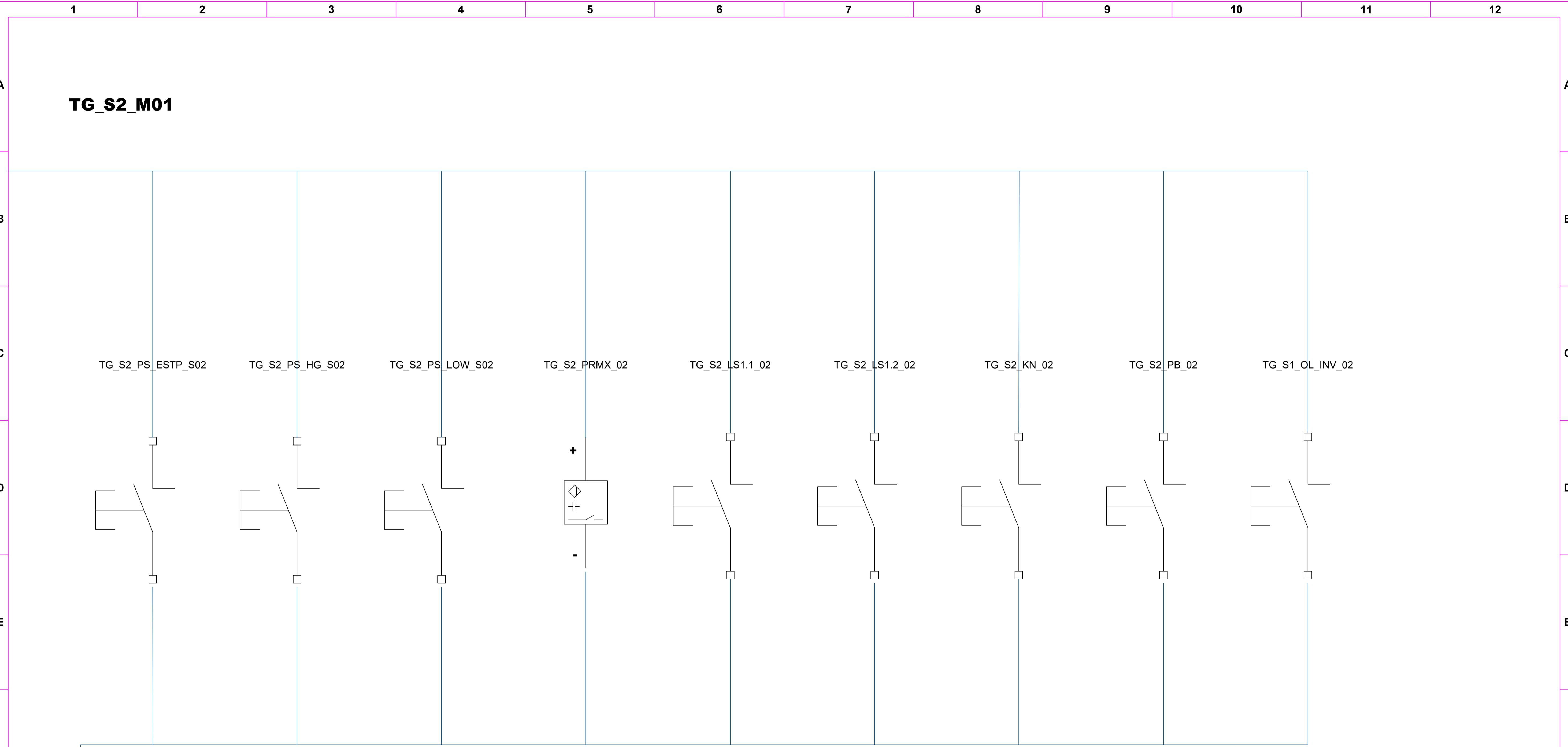
1 2 3 4 5 6 7 8 9 10 11 12

1 2 3 4 5 6 7 8 9 10 11 12



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 MU mortar utama SAINT-GOBAIN	Title Group TG_S1_M01 Digital Input 1	Project Address Tile Grouting				
3	19-05-2025		Drawn	RAFLI					+ Sheet No.52			
			Appr.						108 Sheet			
			Norm		IO Electrical							
		2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title	Group TG_S2_M01 Digital Input 1	Project			
3	19-05-2025		Drawn	RAFLI								
			Appr.									
			Norm		IO Electrical					+ Sheet No.53 108 Sheet		
										2	3	4
										5	6	7
										8	9	10
										11	12	

1 2 3 4 5 6 7 8 9 10 11 12

A

A

TG_S3_M01

B

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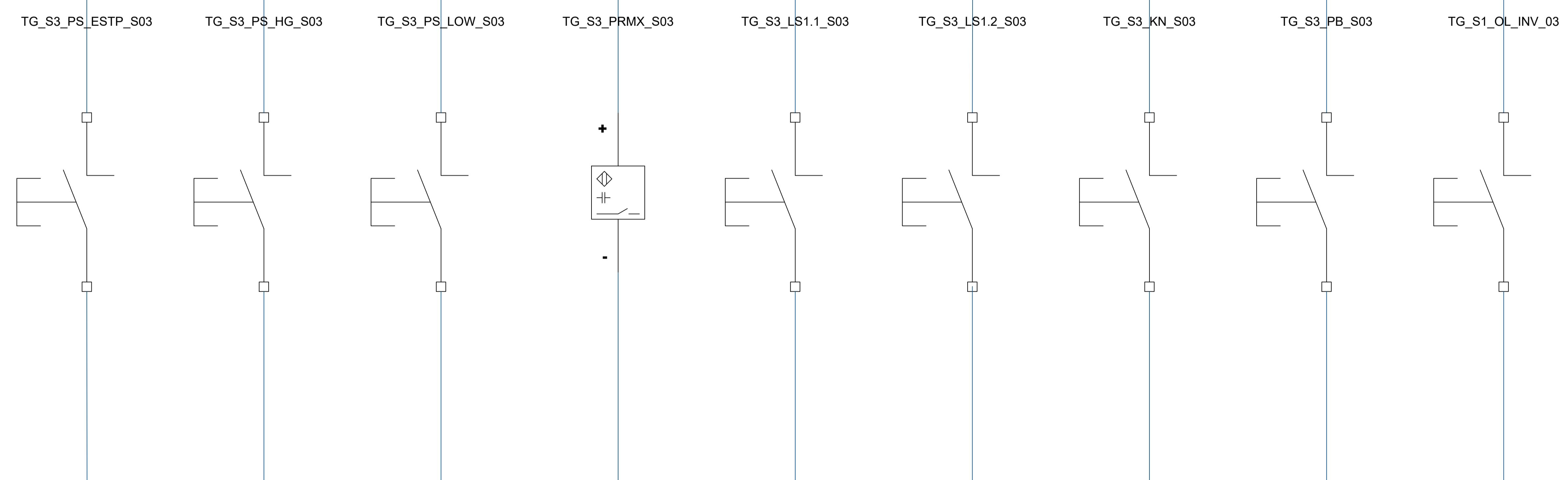
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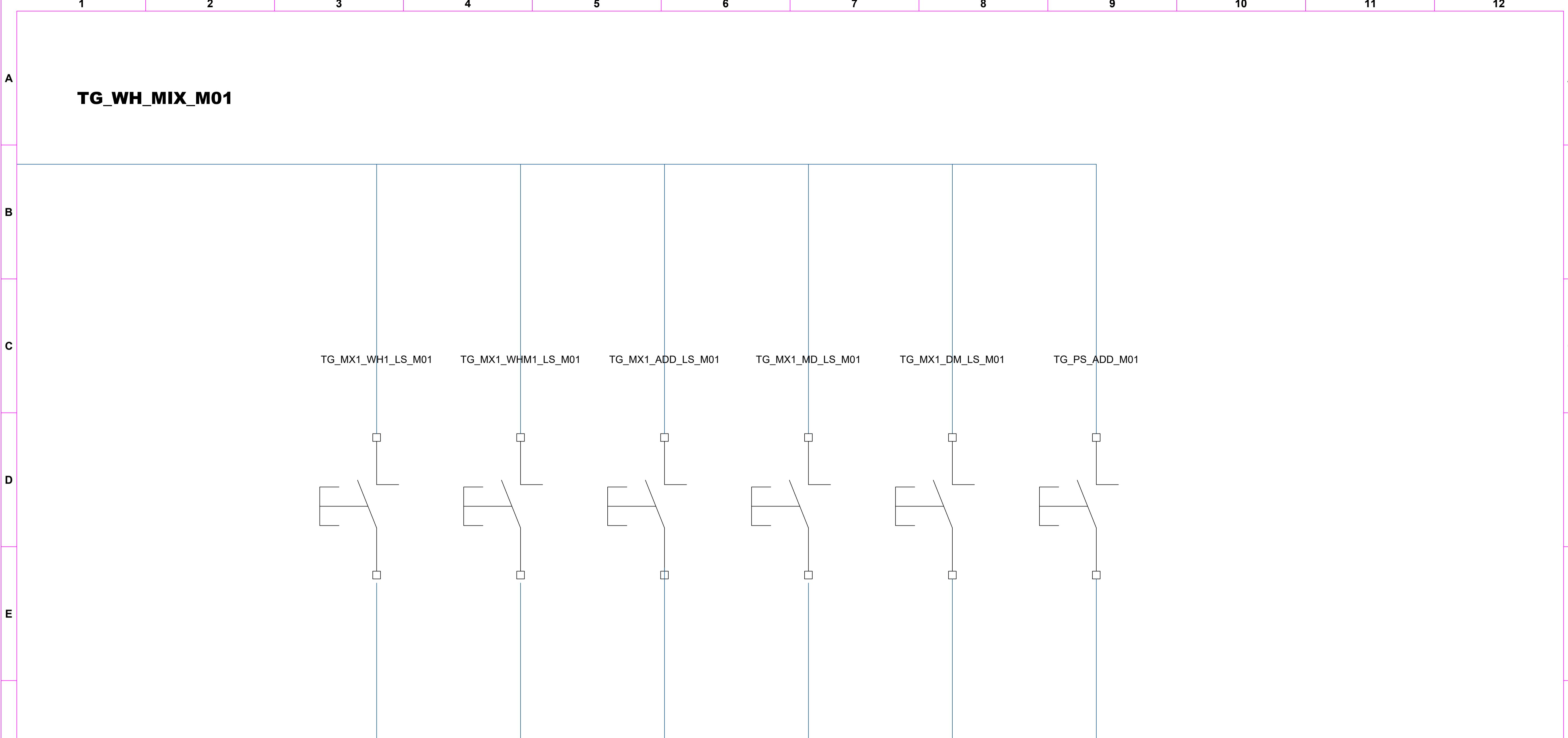
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COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group TG_S3_M01 Digital Input 2	Project Address Tile Grouting					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.54				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

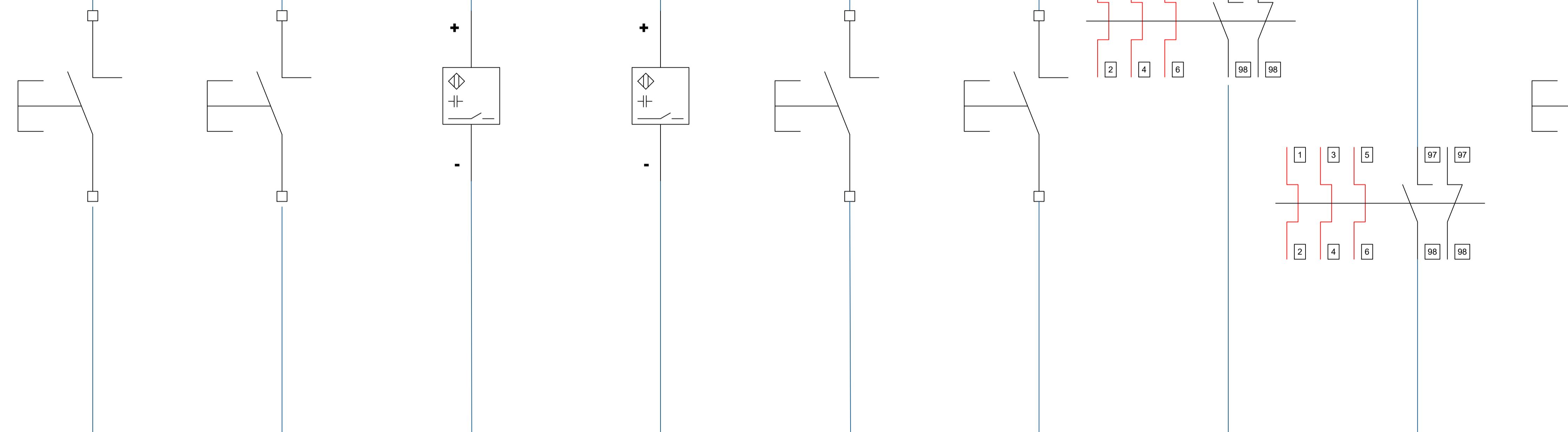


Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group TG_WH_MIX_M01 Digital Input 2	Project Address Tile Grouting			
3	19-05-2025		Drawn	RAFLI					+		
			Appr.						Sheet No.55		
			Norm		IO Electrical				108 Sheet		
	2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

TG_MIX_M01

TG_MX1_MH_LS_M01 TG_MX1_ESTP_PB_M01 TG_MX1_OD_PRX_M01 TG_MX1_CD_PRX_M01 TG_MX1_SP_PB_M01 TG_MX1_CA_PB_M01 TG_MX1_OC1_KC_M01 TG_MX1_OC2_KC_M01 TG_MX1_DM_KN_M01



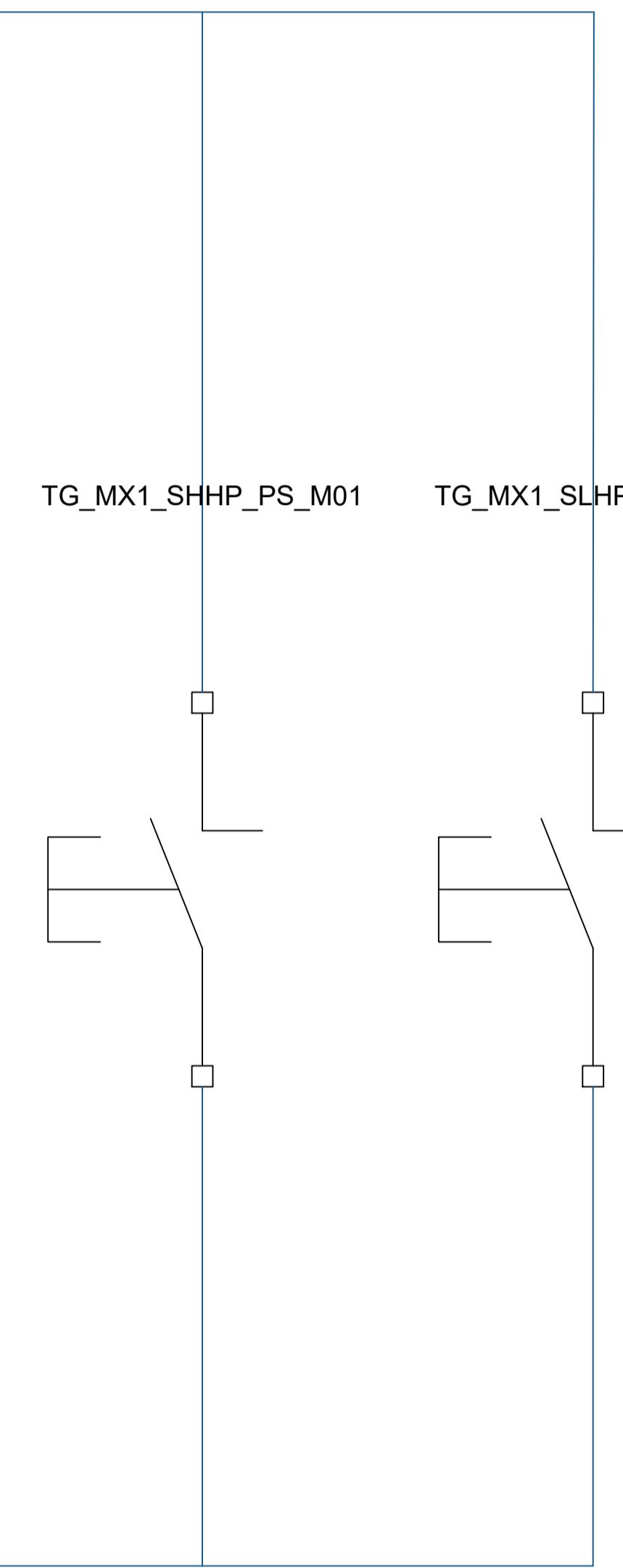
COM PLC

H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group TG_MIX_M01 Digital Input 3	Project Address Tile Grouting	
	3	19-05-2025		Drawn	RAFLI					
				Appr.						
				Norm		IO Electrical				
				2	3	4	5	6	7	8



+
Sheet No.56
108 Sheet

1	2	3	4	5	6	7	8	9	10	11	12		
A											A		
B											B		
C											C		
D	TG_MX1_RM_PB_M01	TG_MX1_OI_INV_M01									D		
E											E		
F											F		
G											G		
H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group TG_MIX_M01 Digital Input 3	Project Address Tile Grouting		H		
3	19-05-2025		Drawn	RAFLI	+ Sheet No.57								
			Appr.		108 Sheet								
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12



TG_MX1_SHHP_PS_M01 TG_MX1_SLHP_PS_M

TG_MX1_SLHP_PS_M

H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN	 	Title Group TG_HP_MIX_M01 Address Tile Grouting Digital Input 3	Project		
	3	19-05-2025		Drawn	RAFLI				+ Sheet No.58		
				Appr.							
				Norm	IO Electrical				108 Sheet		
	2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

A

XP_S3.2_M02

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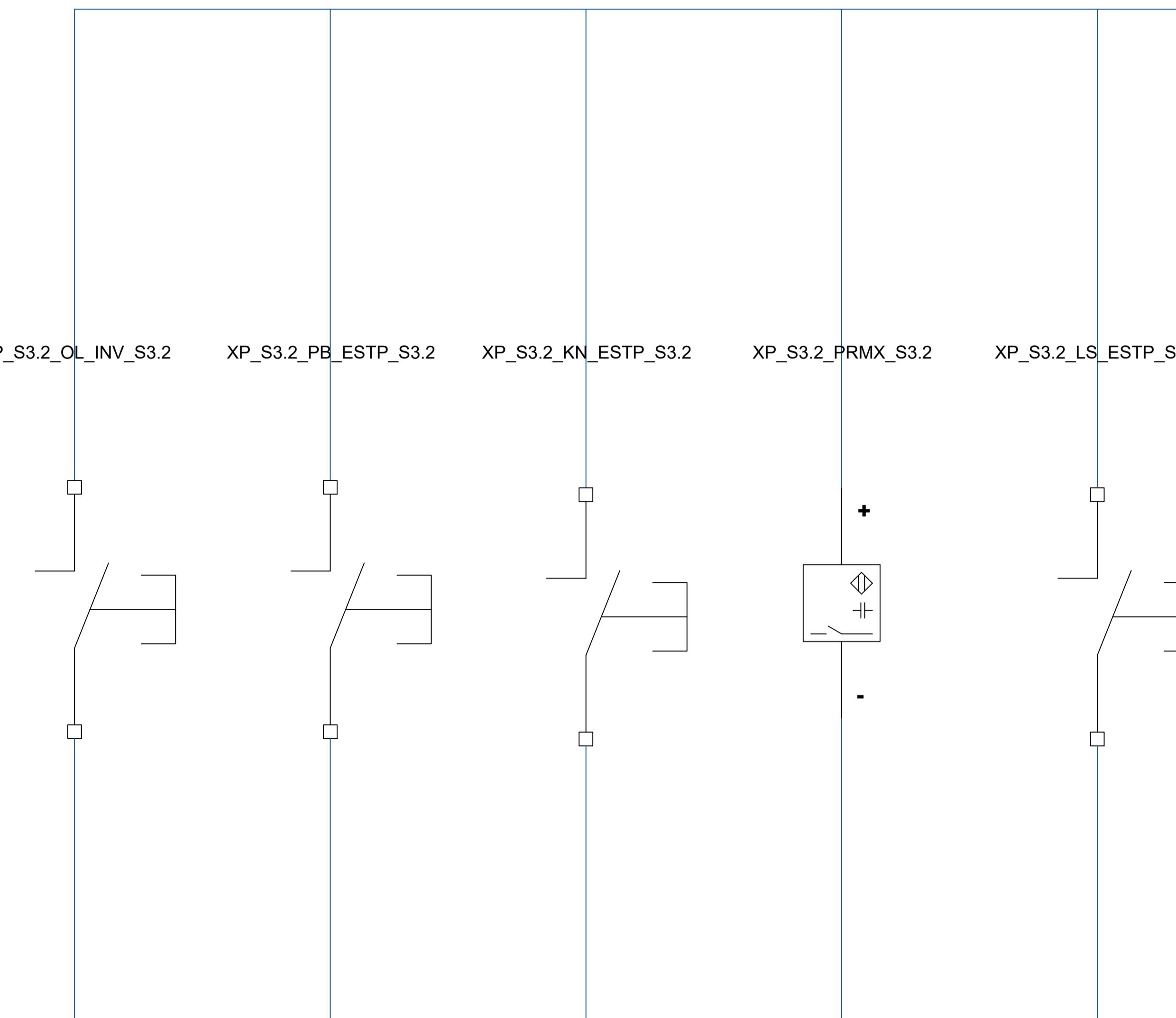
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H

XP_S3.2_OL_INV_S3.2 XP_S3.2_PB_ESTP_S3.2 XP_S3.2_KN_ESTP_S3.2 XP_S3.2_PRMX_S3.2 XP_S3.2_LS_ESTP_S3.2



COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_S3.2_M02 Digital Input 1	Project Pro-X Batching					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.59				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

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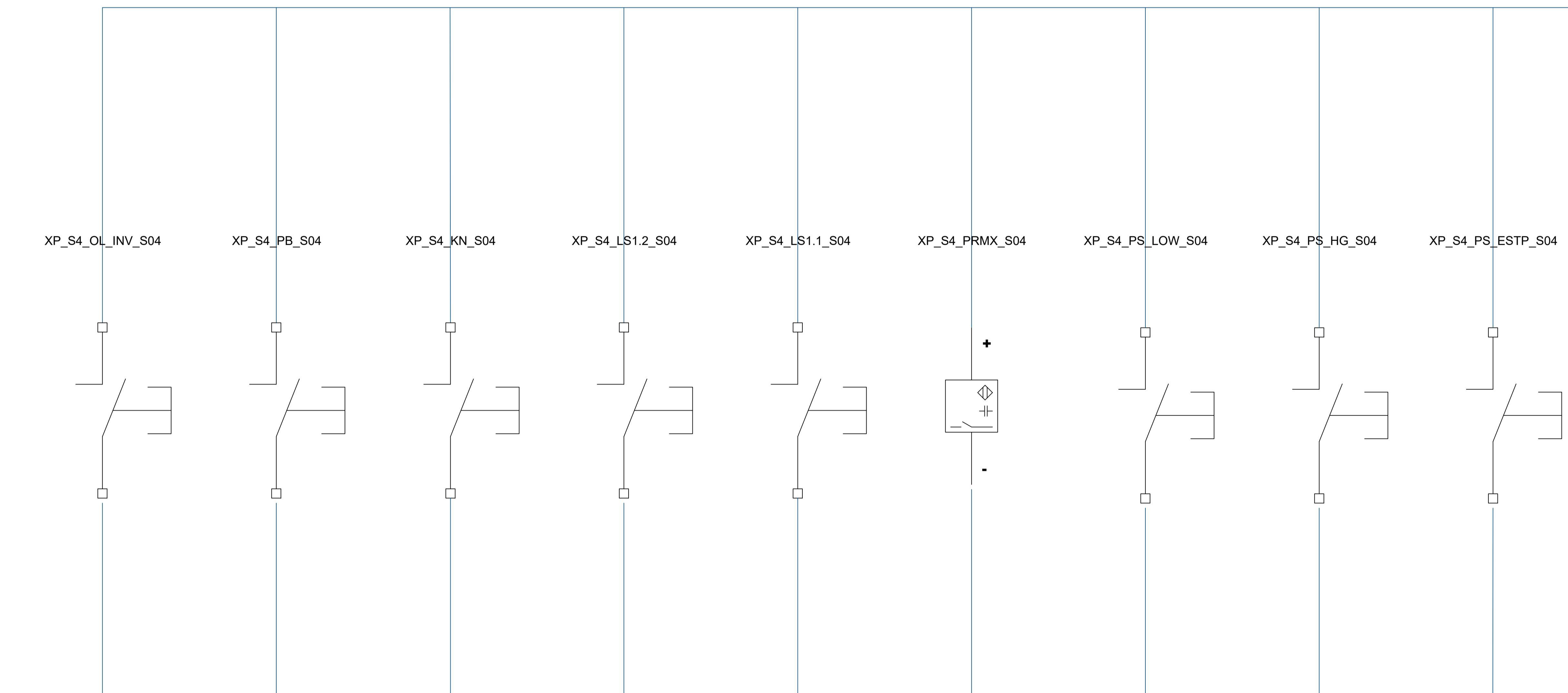
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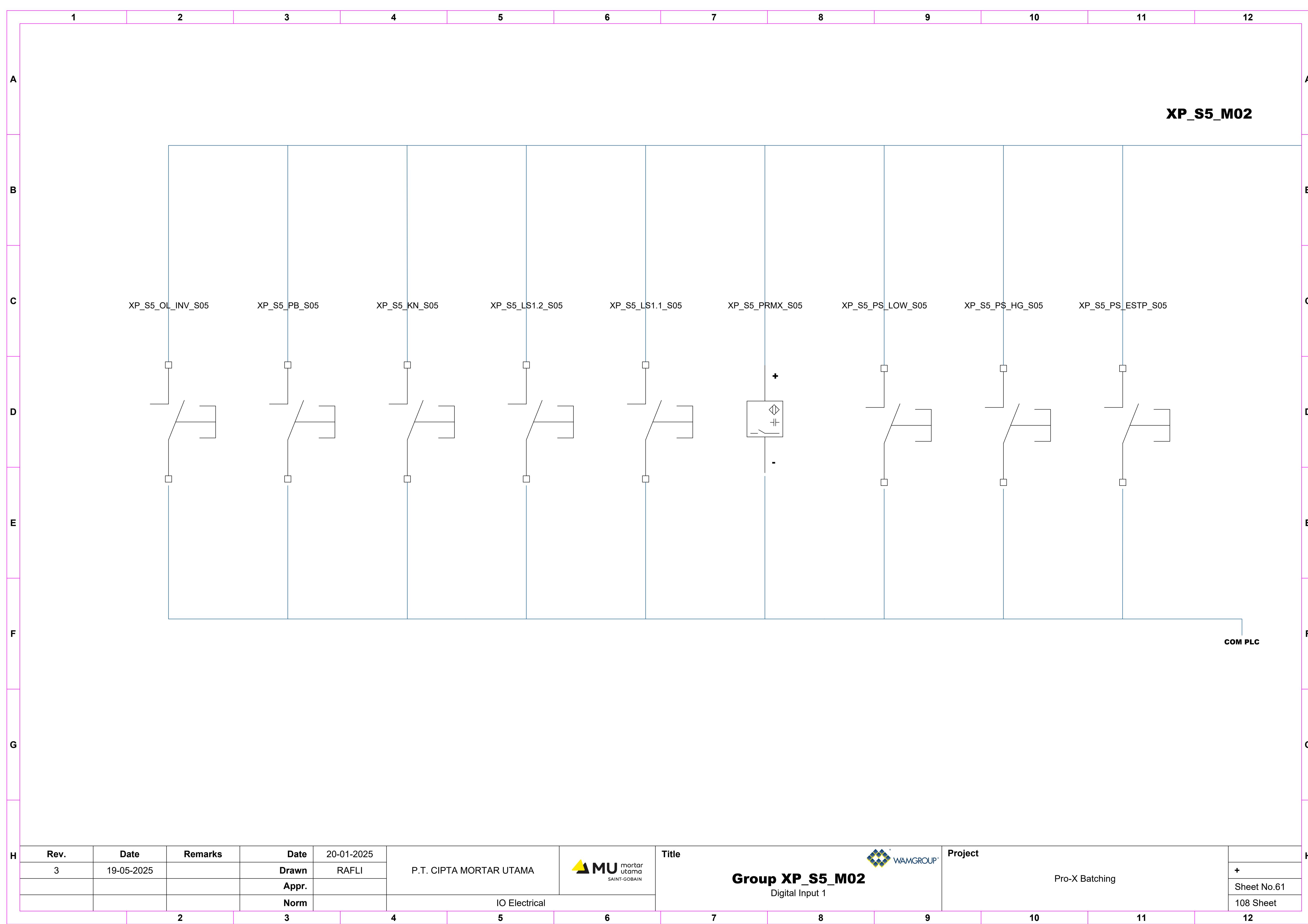
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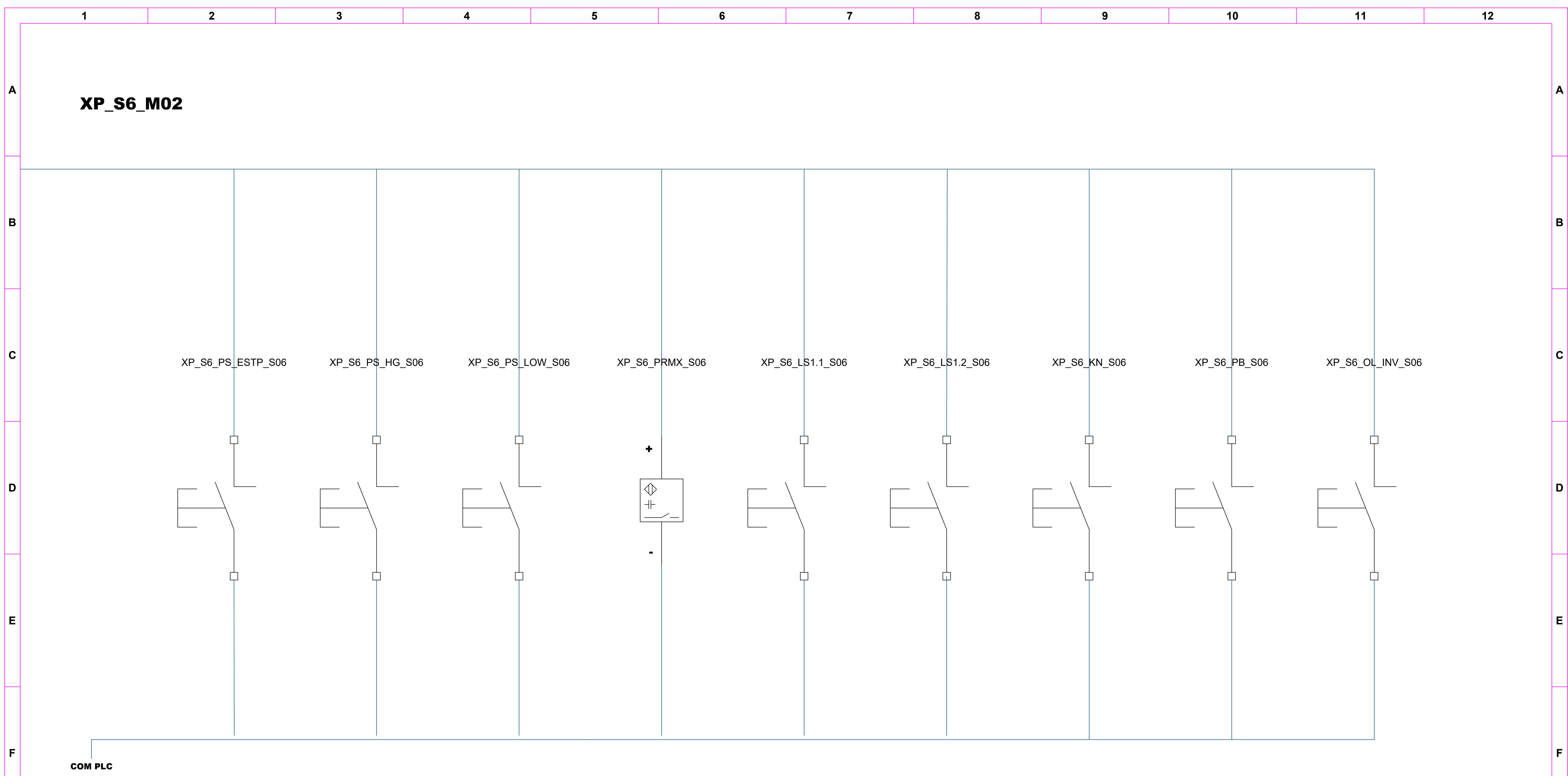
XP_S4_M02



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_S4_M02 Digital Input 1	Project Pro-X Batching					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.60				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12





H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN	Title	Project Group XP_S6_M02 Pro-X Batching Digital Input 1			H
3	19-05-2025		Drawn	RAFLI							
			Appr.								
			Norm	IO Electrical							
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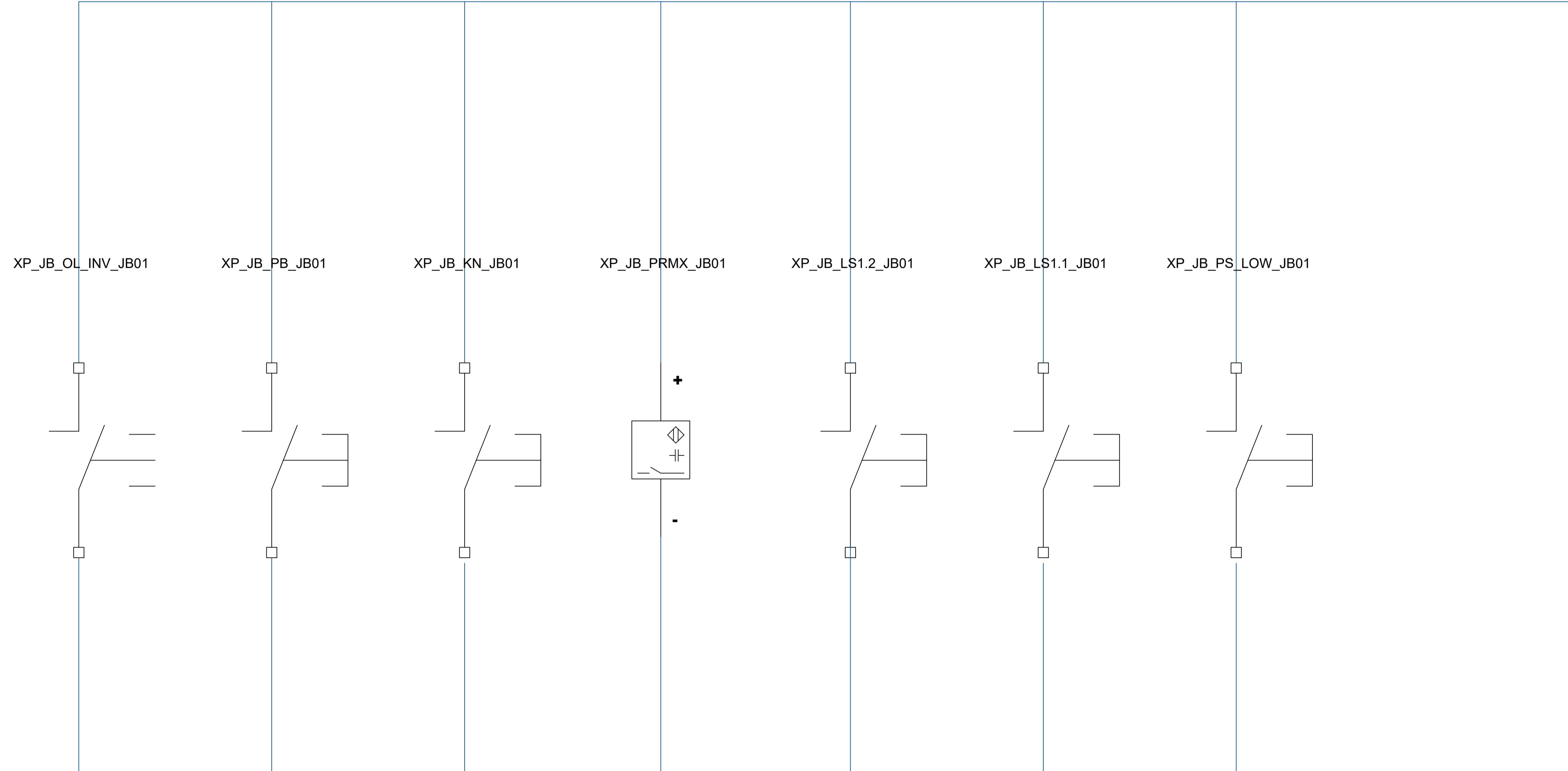
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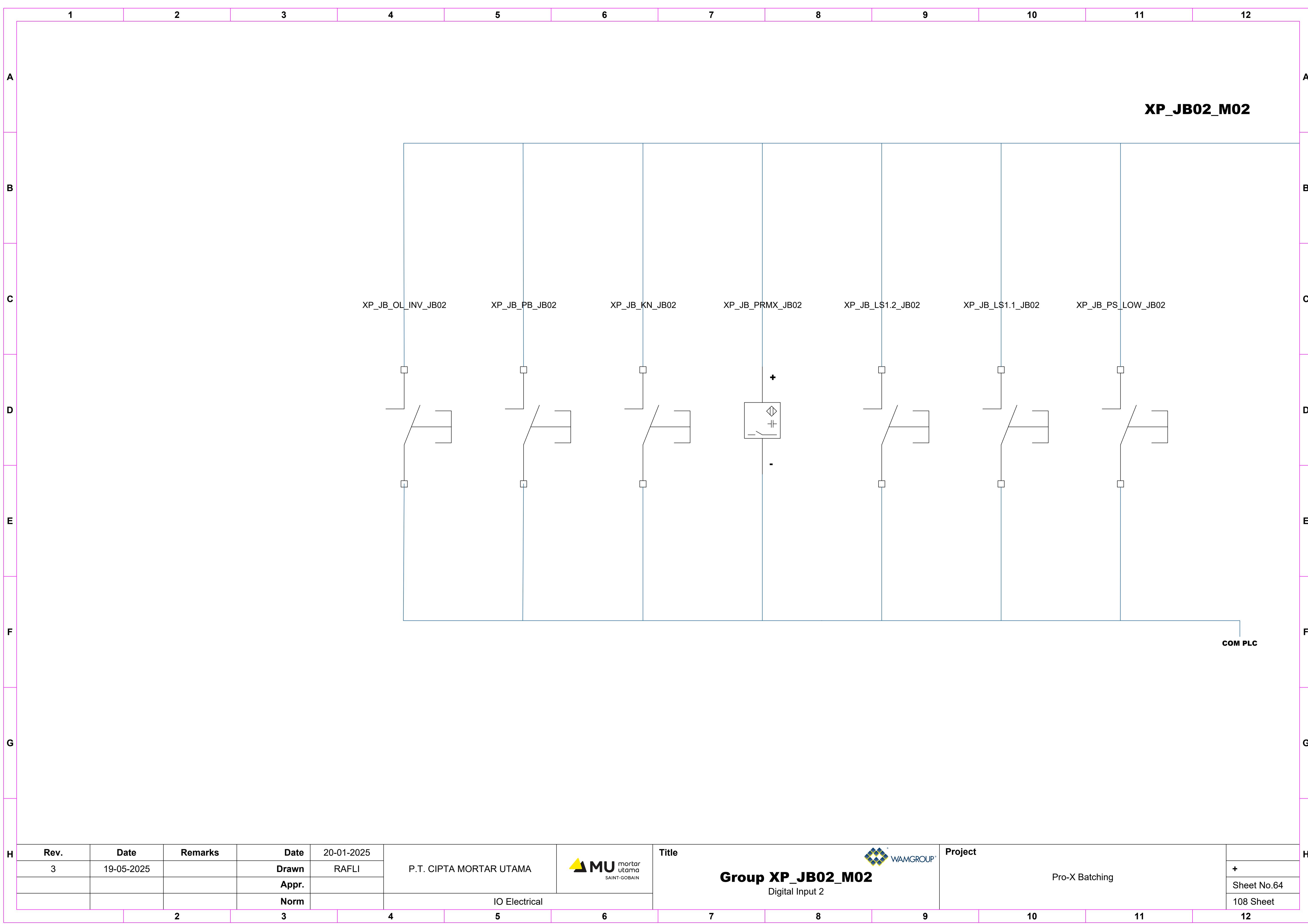
XP_JB01_M02

COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_JB01_M02 Digital Input 2	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.63
			Appr.						108 Sheet
			Norm		IO Electrical				

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1 2 3 4 5 6 7 8 9 10 11 12



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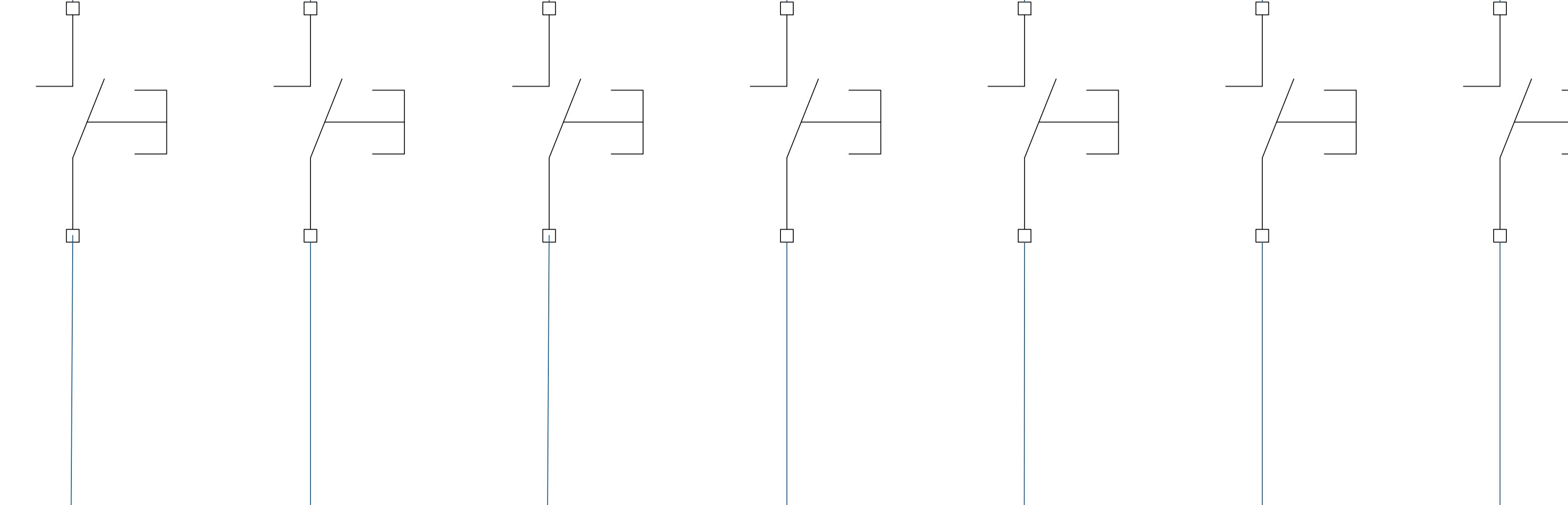
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XP_WH_MIX_M02

XP_MX2_ESTP_PB_M02 XP_MX2_MH_LS_M02 XP_MX2_DM_LS_M02 XP_MX2_MD_LS_M02 XP_MX2_ADD_LS_M02 XP_MX2_WHM2_LS_M02 XP_MX2_WH2_LS_M02



COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_WH_MIX_M02 Digital Input 2	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.65
			Appr.						108 Sheet
			Norm		IO Electrical				

1 2 3 4 5 6 7 8 9 10 11 12

1 2 3 4 5 6 7 8 9 10 11 12

XP_MIX_M02

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XP_MX2_OD_PRX_M02 XP_MX2_CD_PRX_M02 XP_MX2_SP_PRX_M02 XP_MX2_CA_PRX_M02 XP_MX2_DM_KN_M02 XP_MX2_RM_PB_M02 XP_MX2_OI_INV_M02

COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_MIX_M02 Digital Input 2	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.66
			Norm		IO Electrical				108 Sheet

1 2 3 4 5 6 7 8 9 10 11 12

1 2 3 4 5 6 7 8 9 10 11 12

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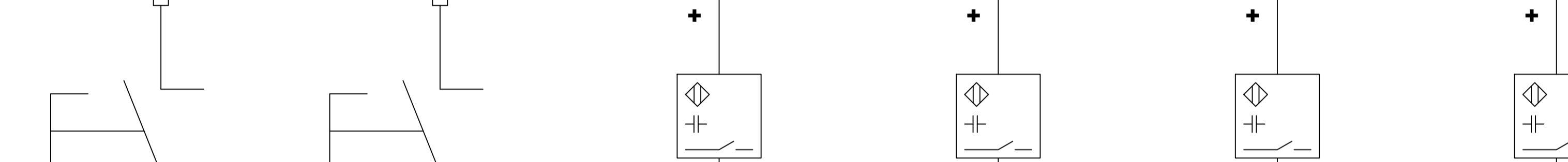
XP_HP_MIX_M02

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XP_MX2_SHHP_PS_M02 XP_MX2_SLHP_PS_M02 XP_MX2_SRD1_PRX_M02 XP_MX2_SRD2_PRX_M02 XP_MX2_LS1.1_PRX_M02 XP_MX2_LS1.2_PRX_M02

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2 3 4 5 6 7 8 9 10 11 12

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_HP_MIX_M02 Digital Input 2	Project Pro-X Batching			
3	19-05-2025		Drawn	RAFLI							
			Appr.								
			Norm		IO Electrical				+ Sheet No.67 108 Sheet		

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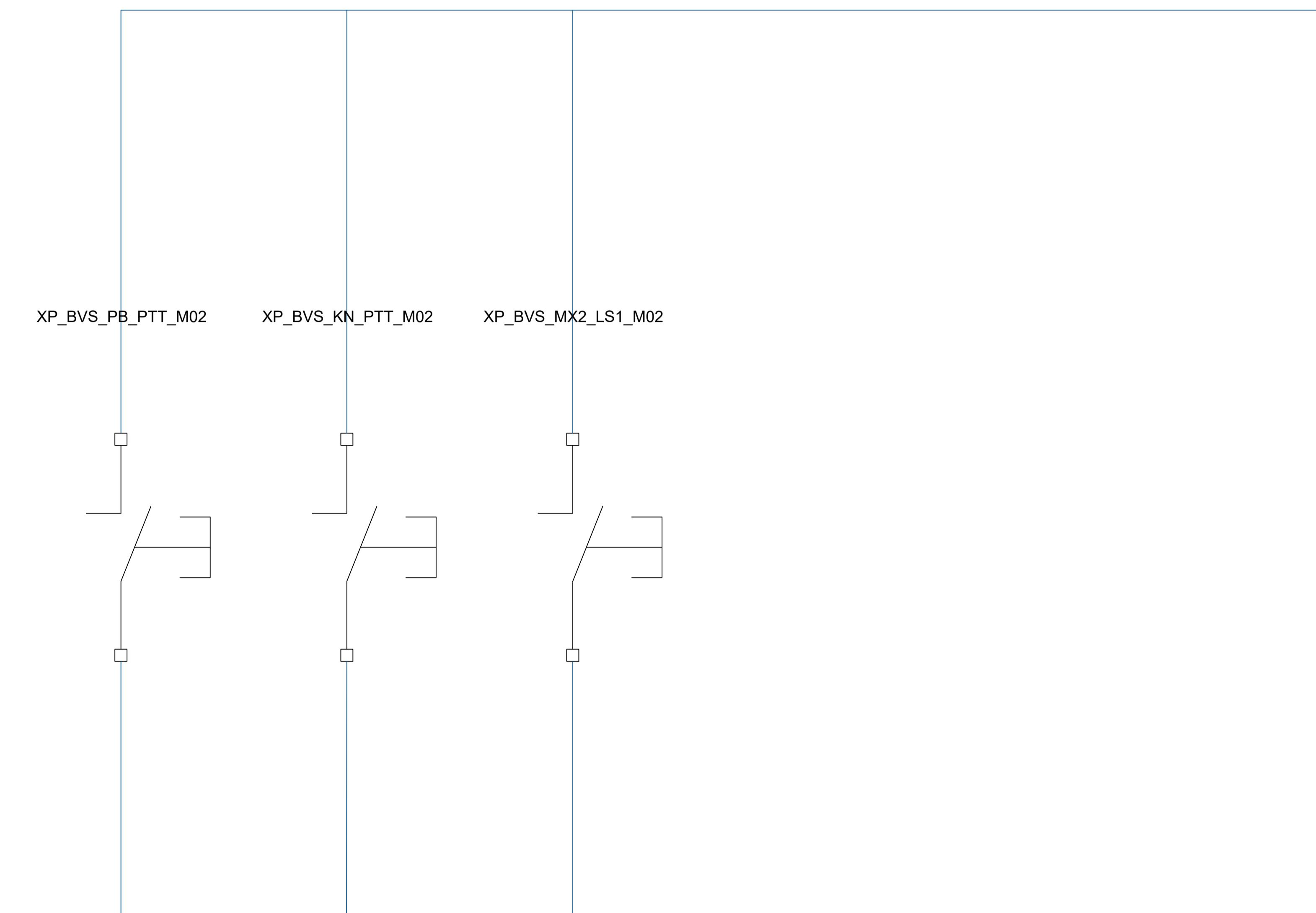
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group XP_XTTG_MIX_M02 Digital Input 3	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.68
			Appr.						108 Sheet
			Norm		IO Electrical				

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1 2 3 4 5 6 7 8 9 10 11 12

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NS_S07_M03

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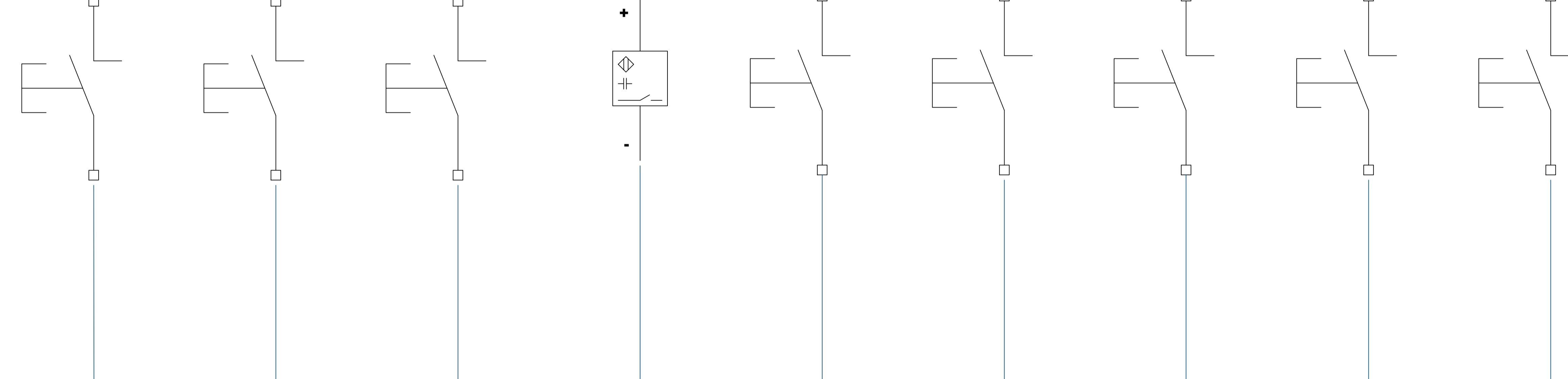
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NS_S7_PS_ESTP_S07 NS_S7_PS_HG_S07 NS_S7_PS_LOW_S07 NS_S7_PRMX_S07 NS_S7_LS1.1_S07 NS_S7_LS1.2_S07 NS_S7_KN_S07 NS_S7_PB_S07 NS_S7_OI_INV_S07

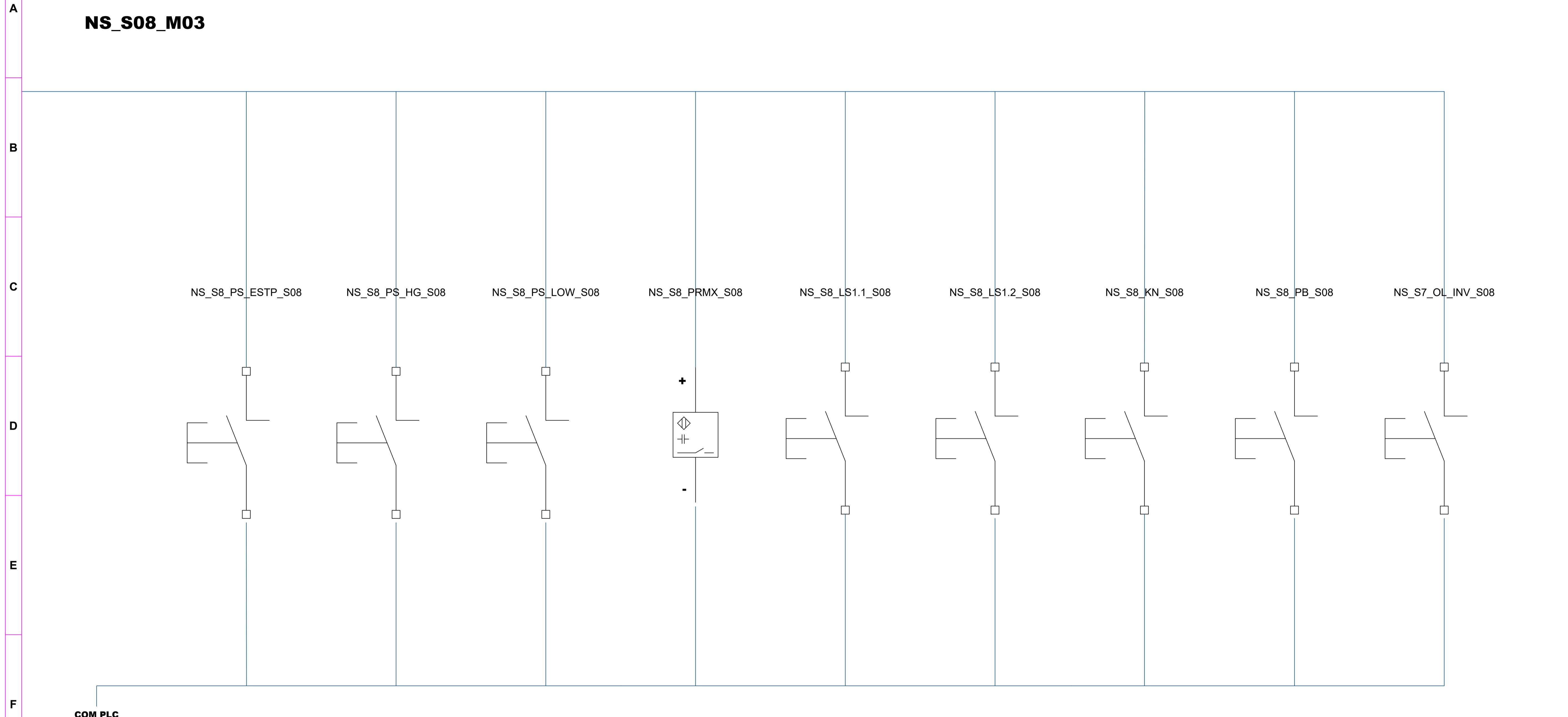


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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_S07_M03 Digital Input 1	Project Non Sanded Batching				
3	19-05-2025		Drawn	RAFLI					+			
			Appr.						Sheet No.69			
			Norm		IO Electrical				108 Sheet			
		2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

NS_S08_M03



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_S08_M03 Digital Input 1	Project Non Sanded Batching	H	
3	19-05-2025		Drawn	RAFLI	+ Sheet No.70						
			Appr.		108 Sheet						
			Norm		IO Electrical					12	
	2	3	4	5	6	7	8	9	10	11	

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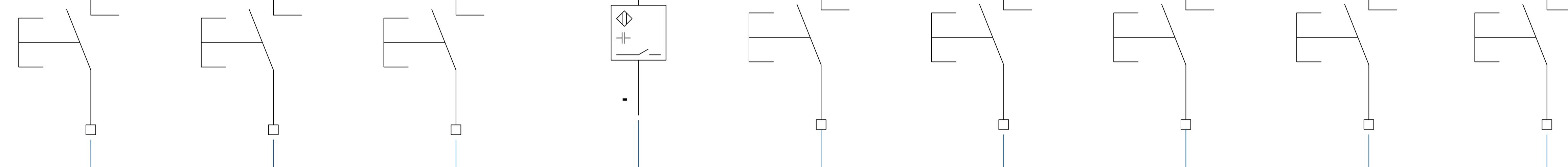
NS_S09_M03

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NS_S9_PS_ESTP_S09 NS_S9_PS_HG_S09 NS_S9_PS_LOW_S09 NS_S9_PRMX_S09 NS_S9_LS1.1_S09 NS_S9_LS1.2_S09 NS_S9_KN_S09 NS_S9_PB_S09 NS_S7_OI_INV_S09

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_S09_M03 Digital Input 2	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.71
			Appr.						108 Sheet
			Norm		IO Electrical				

1 2 3 4 5 6 7 8 9 10 11 12

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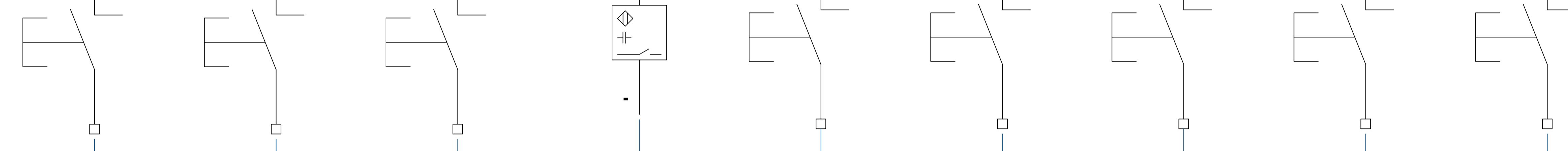
NS_S10_M03

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NS_S10_PS_ESTP_S10 NS_S10_PS_HG_S10 NS_S10_PS_LOW_S10 NS_S10_PRMX_S10 NS_S10_LS1.1_S10 NS_S10_LS1.2_S10 NS_S10_KN_S10 NS_S10_PB_S10 NS_S7_OI_INV_S10

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2 3 4 5 6 7 8 9 10 11 12

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_S10_M03 Digital Input 2	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.72
			Norm		IO Electrical				108 Sheet

1 2 3 4 5 6 7 8 9 10 11 12

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NS_WH_MIX_M03

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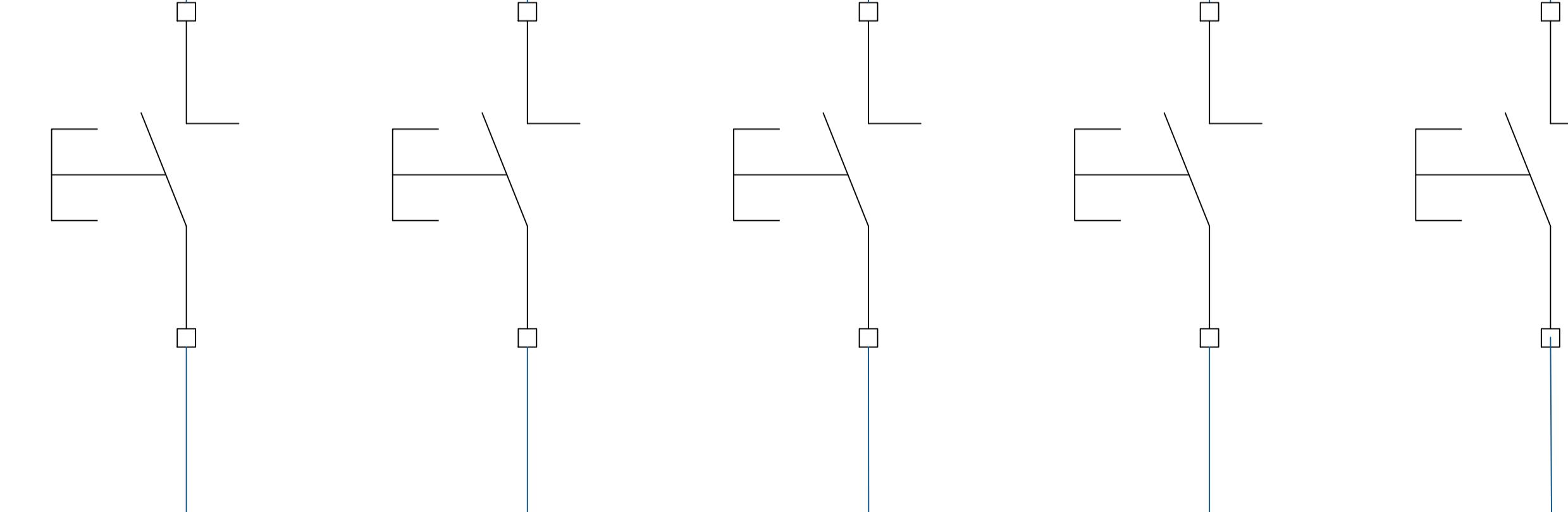
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NS_MX3_WH3_LS_M03 NS_MX3_WHM3_LS_M03 NS_MX3_ADD_LS_M03 NS_MX3_MD_LS_M03 NS_MX3_DM_LS_M03



COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_WH_MIX_M03 Digital Input 3	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.73
			Norm		IO Electrical				108 Sheet
	2	3	4	5	6	7	8	9	10

1 2 3 4 5 6 7 8 9 10 11 12

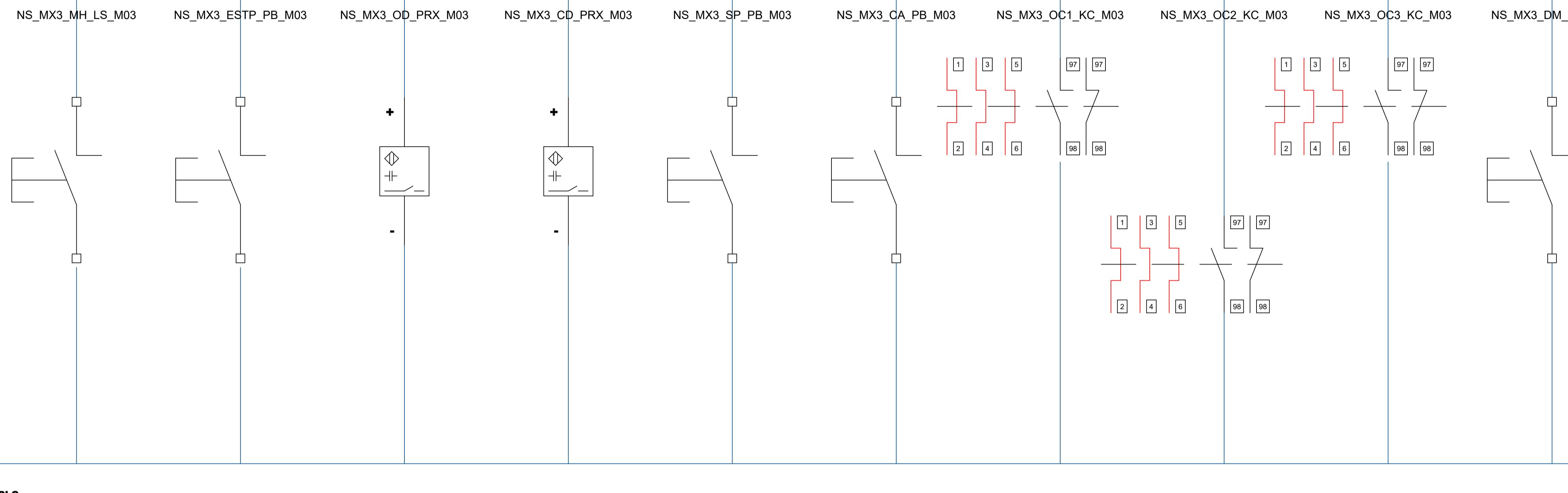
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NS_MIX_M03

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NS_MX3_MH_LS_M03 NS_MX3_ESTP_PB_M03 NS_MX3_OD_PRX_M03 NS_MX3_CD_PRX_M03 NS_MX3_SP_PB_M03 NS_MX3_CA_PB_M03 NS_MX3_OC1_KC_M03 NS_MX3_OC2_KC_M03 NS_MX3_OC3_KC_M03 NS_MX3_DM_KN_M03

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_MIX_M03 Digital Input 3	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.74
			Appr.						108 Sheet
			Norm		IO Electrical				

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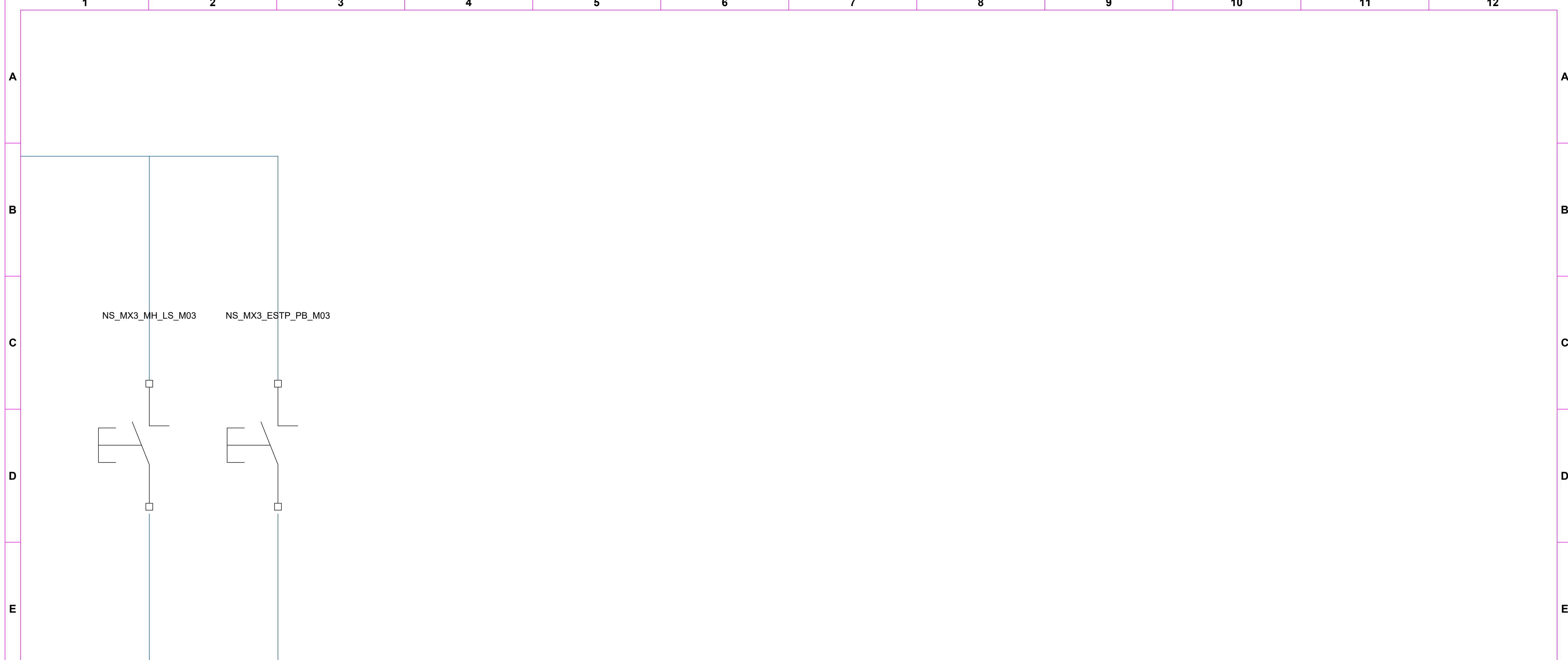
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1 2 3 4 5 6 7 8 9 10 11 12



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group NS_MIX_M03 Digital Input 3	Project Non Sanded Batching			
	3	19-05-2025		Drawn	RAFLI					+		
				Appr.						Sheet No.75		
				Norm		IO Electrical				108 Sheet		
		2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

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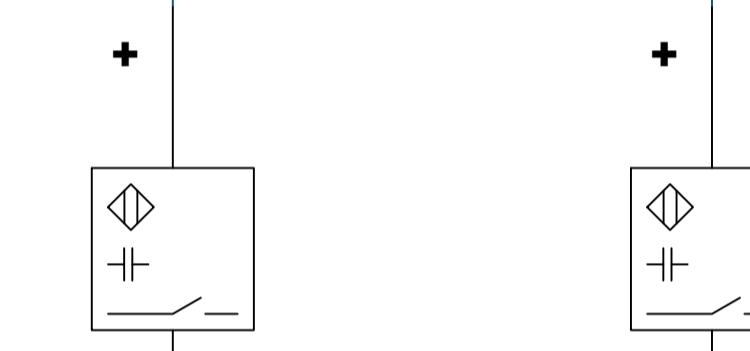
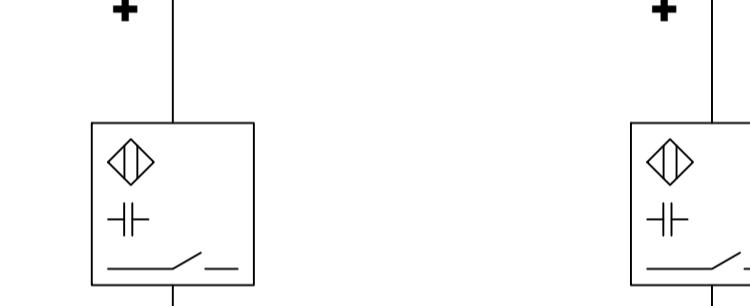
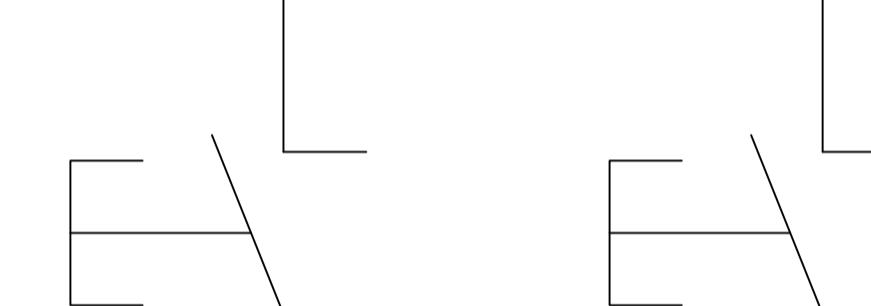
NS_HP_MIX_M03

NS_MX3_SLHP_PS_M03

NS_MX3_SBVUP1.2_PS_M03

NS_MX3_SHHP_PS_M03

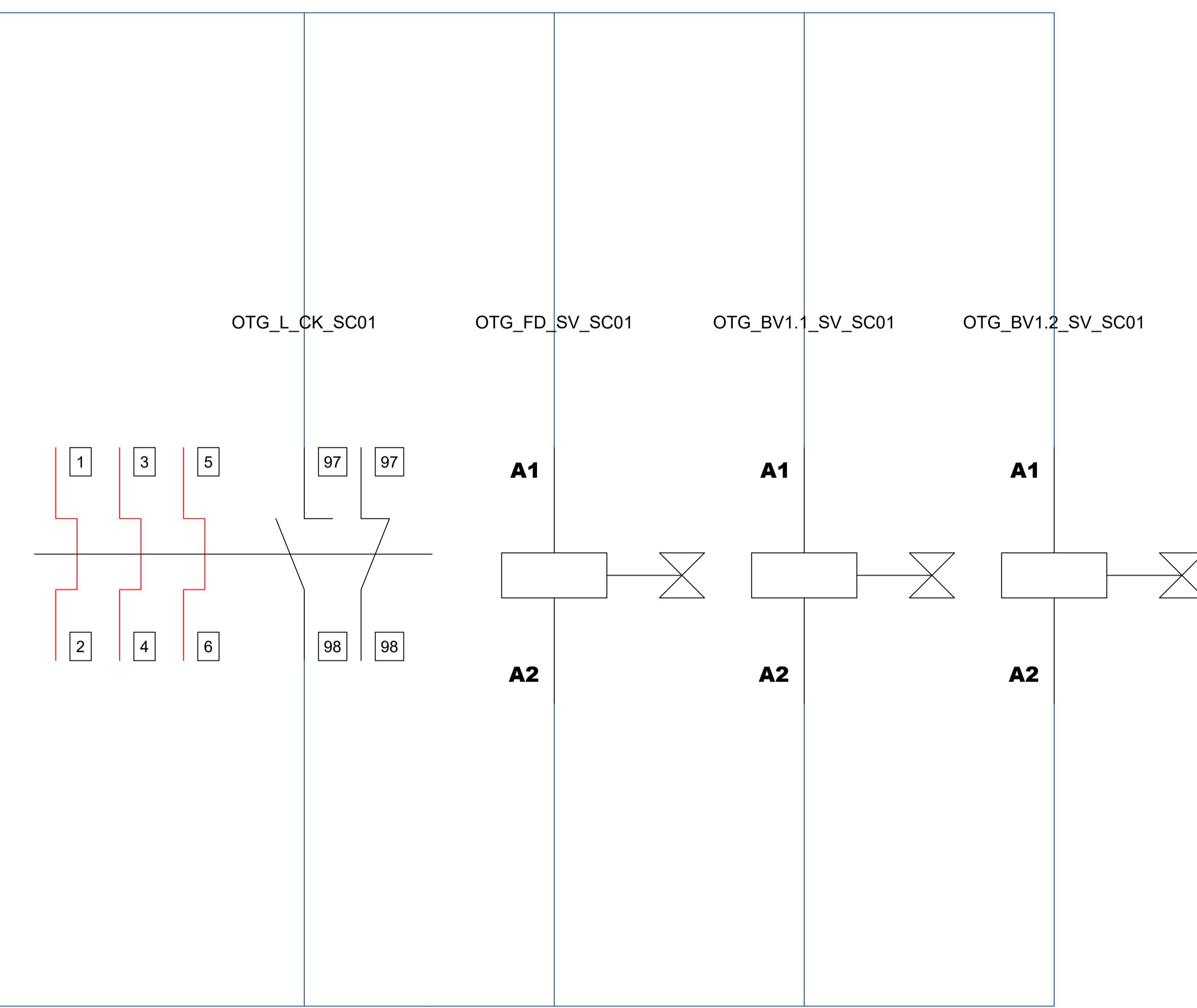
NS_MX3_BVUP1.1_PS_M03



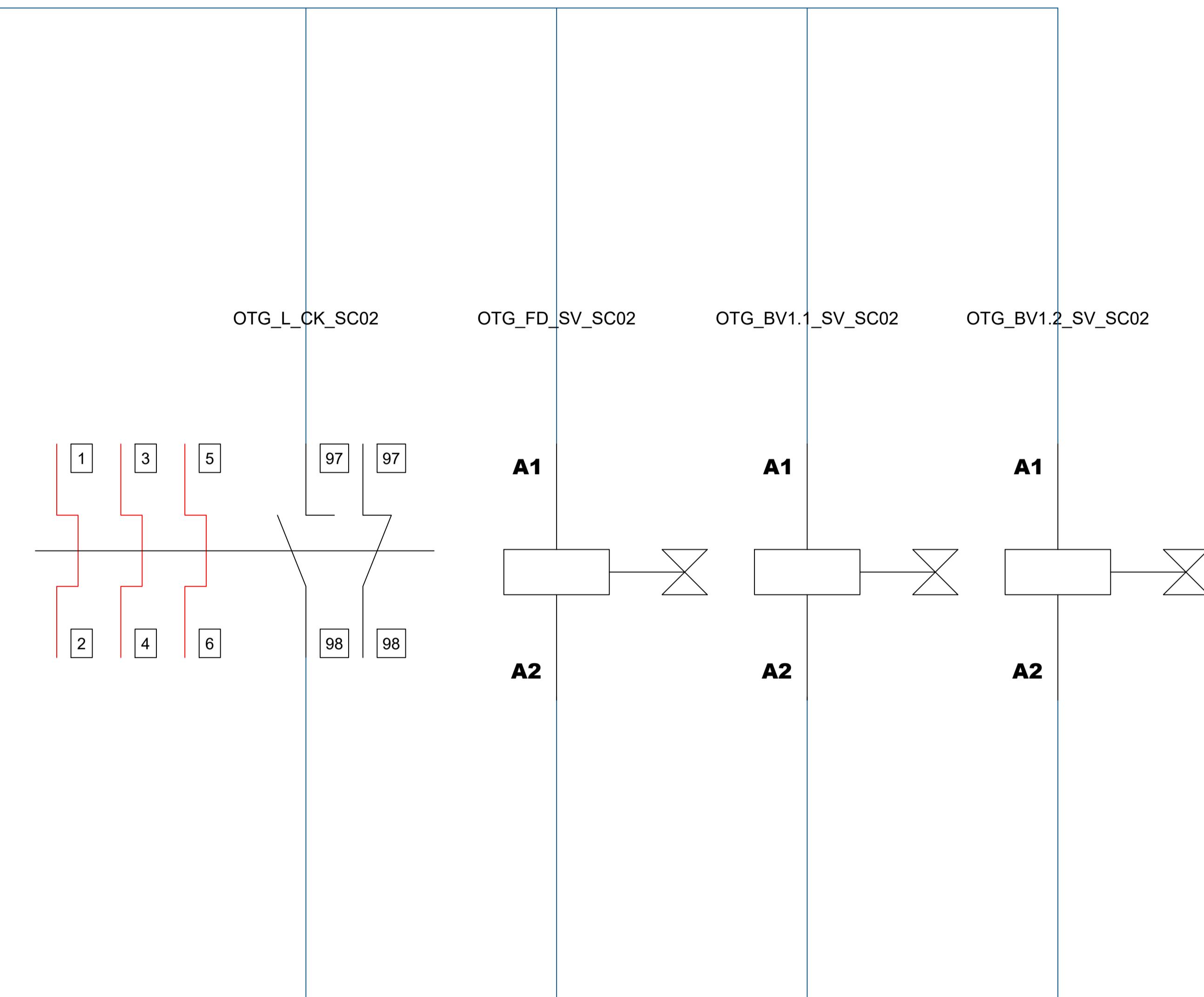
COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group NS_HP_MIX_M03 Digital Input 3	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+ Sheet No.76
			Appr.						108 Sheet
			Norm		IO Electrical				

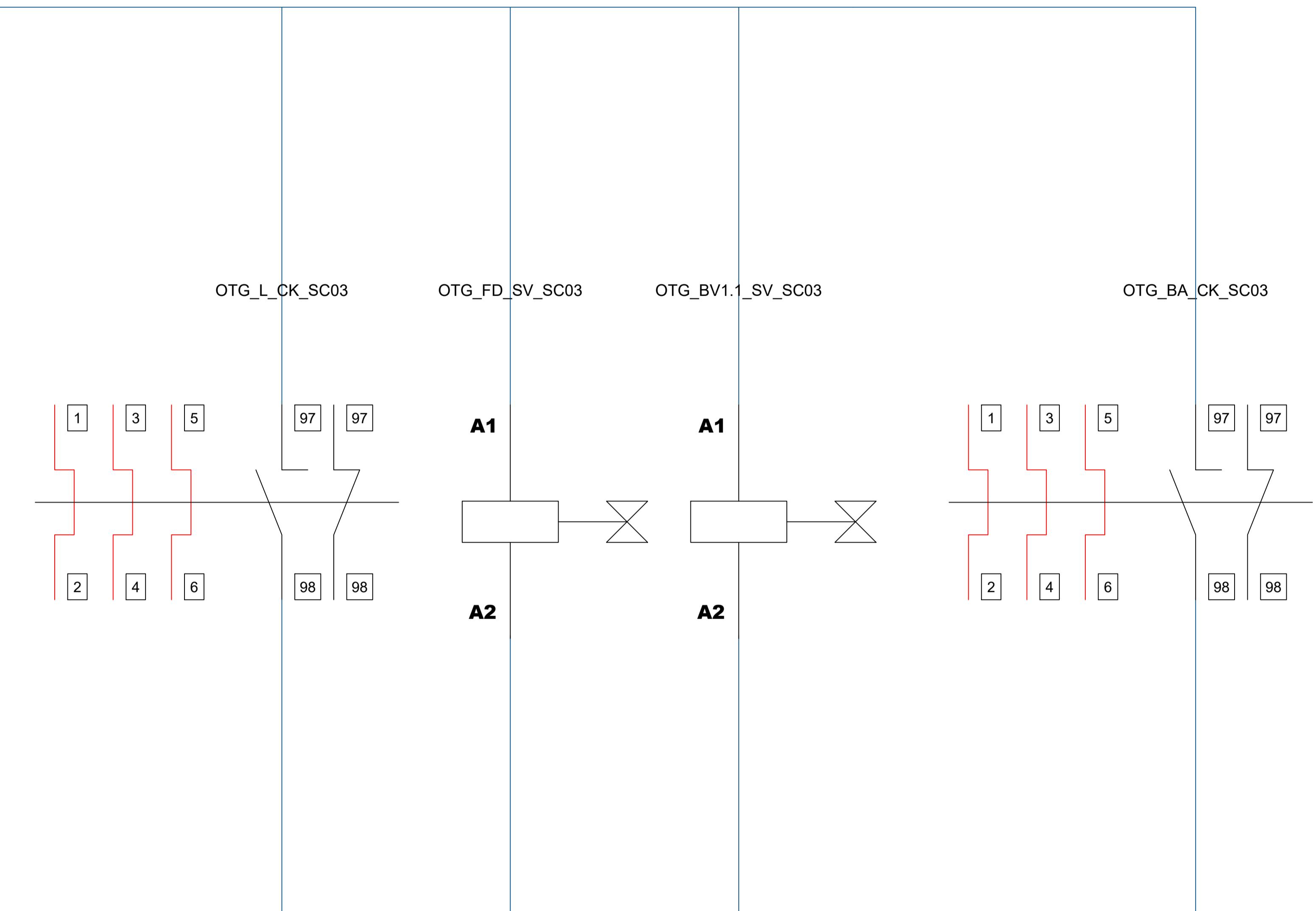
2 3 4 5 6 7 8 9 10 11 12



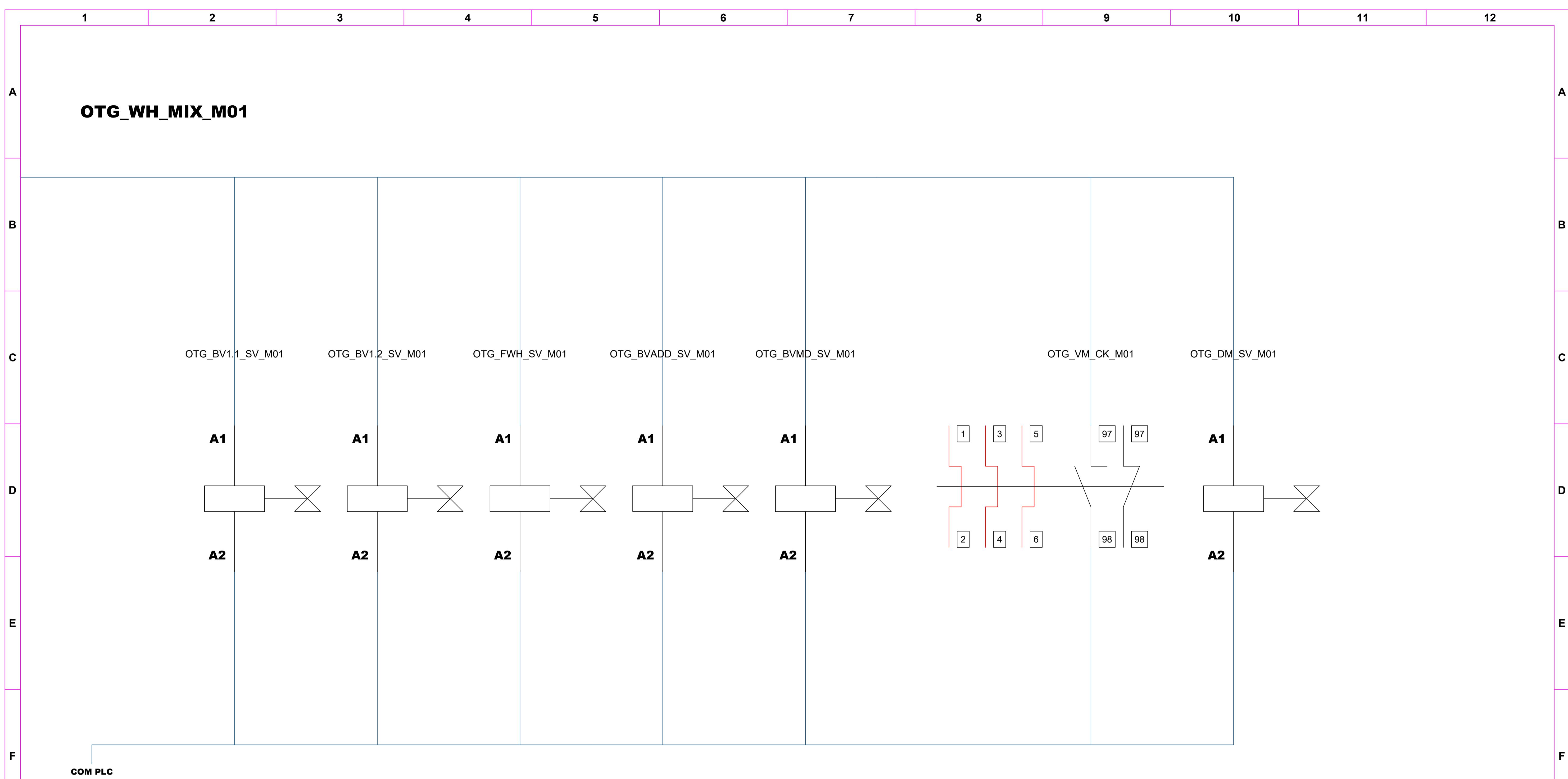
H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN	Title Group 0TG_S1_M01 Address Tile Grouting Digital Output 1	Project WAMGROUP	
	3	19-05-2025		Drawn	RAFLI				+
				Appr.					Sheet No.77
				Norm	IO Electrical				108 Sheet



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COMPLIANCE



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN	Title Address Tile Grouting Digital Output 2	Project Group OTG_WH_MIX_M01 Address Tile Grouting Digital Output 2		H	
	3	19-05-2025		Drawn	RAFLI				+		
				Appr.					Sheet No.80		
				Norm	IO Electrical				108 Sheet		
1	2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

OTG_MIX_M01

OTG_BVOP_SV_M01

OTG_BVCP_SV_M01

OTG_IP_SV_M01

OTG_SM_SV_M01

OTG_CP1_CK_M01

OTG_CP2_CK_M01

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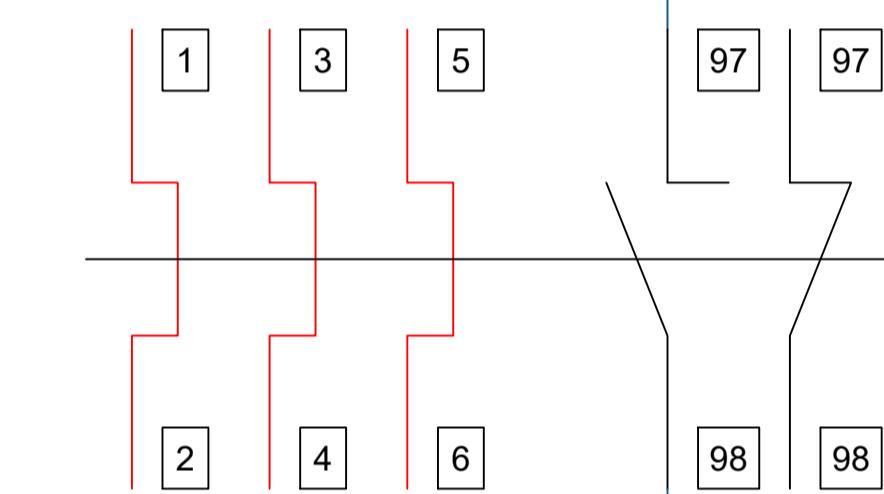
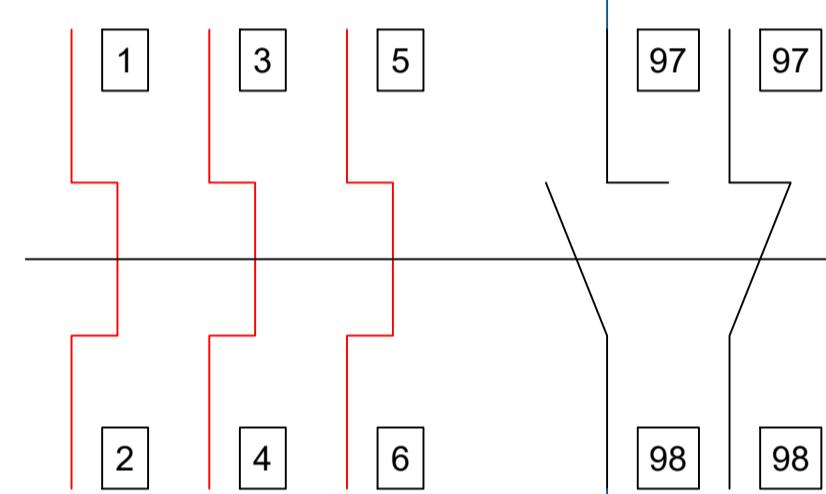
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OTG_MIX_M01 Digital Output 2	Project Address Tile Grouting			
3	19-05-2025		Drawn	RAFLI							
			Appr.								
			Norm		IO Electrical				+		
									Sheet No.81		
									108 Sheet		
	2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

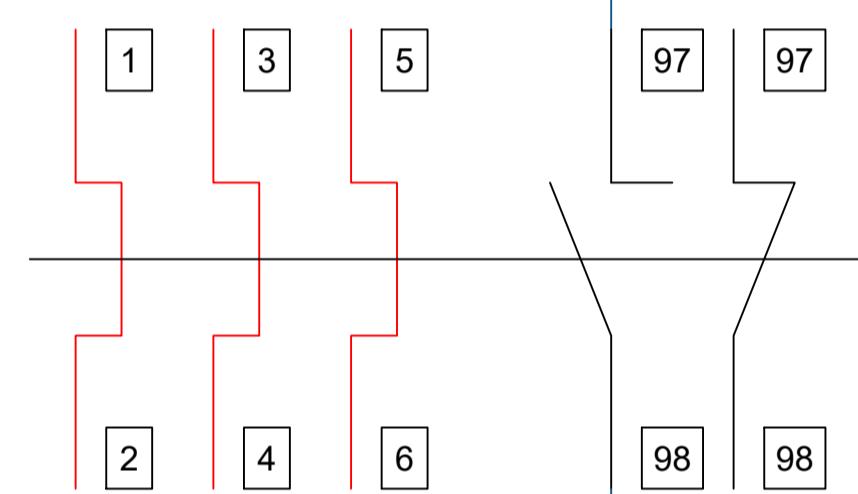
OTG_HP_MIX_M01

OTG_FDP_SV_M01

OTG_MVBP_CK_M01

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COM PLC

H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OTG_HP_MIX_M01 Digital Output 2	Project Address Tile Grouting	H		
3	19-05-2025		Drawn	RAFLI	+							
			Appr.		Sheet No.82							
			Norm		IO Electrical					108 Sheet		
		2	3	4	5	6	7	8	9	10	11	12

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OTG_RUN_INV_S1_M01 OTG_STO_INV_S1_M01 OTG_RUN_INV_S2_M01 OTG_STO_INV_S2_M01 OTG_RUN_INV_S3_M01 OTG_STO_INV_S3_M01 OTG_RUN_INVMIX_M01 OTG_STO_INVMIX_M01

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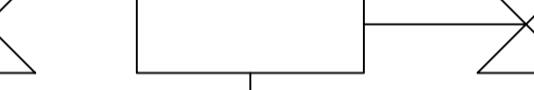
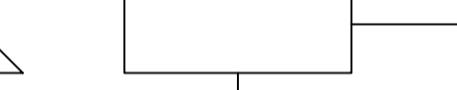
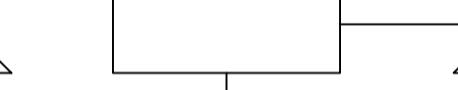
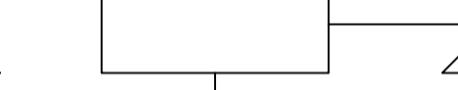
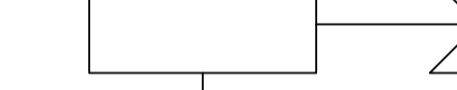
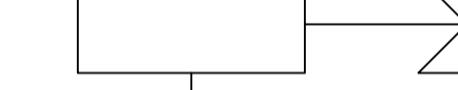
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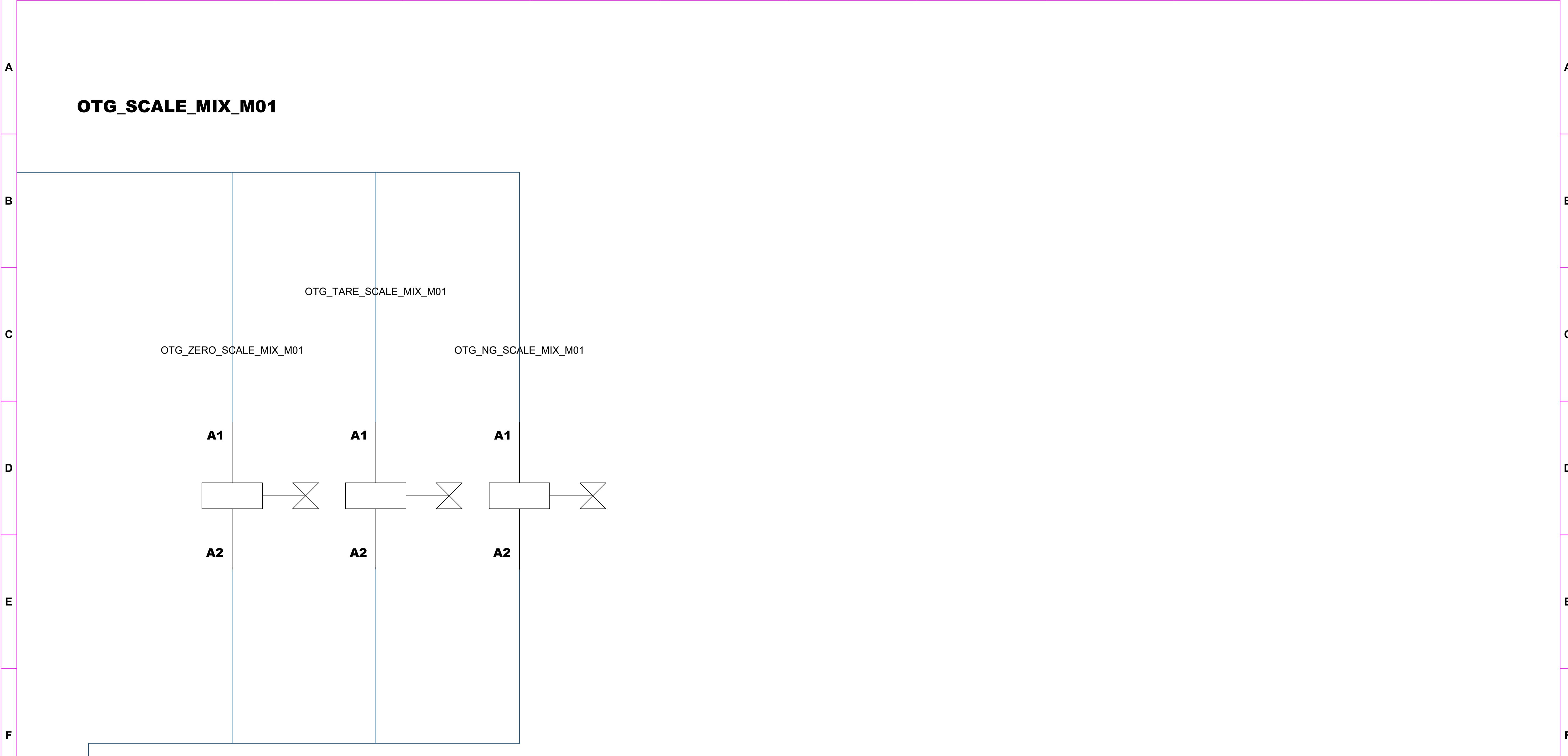
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title	Digital Output 3	Project			
3	19-05-2025		Drawn	RAFLI			Group OTG_RUN_INV_MIX_M01			+	Sheet No.83	108 Sheet
			Appr.									
			Norm							2	3	4
										5	6	7
										8	9	10
										11	12	

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OTG_SCALE_MIX_M01 Digital Output 3	Project Address Tile Grouting					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.84				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

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PILOT LAMP ALL

OTG_PL_S1 OTG_PL_S2 OTG_PL_S3 OTG_PL_S4 OTG_PL_S5 OTG_PL_S6 OTG_PL_S7 OTG_PL_S8

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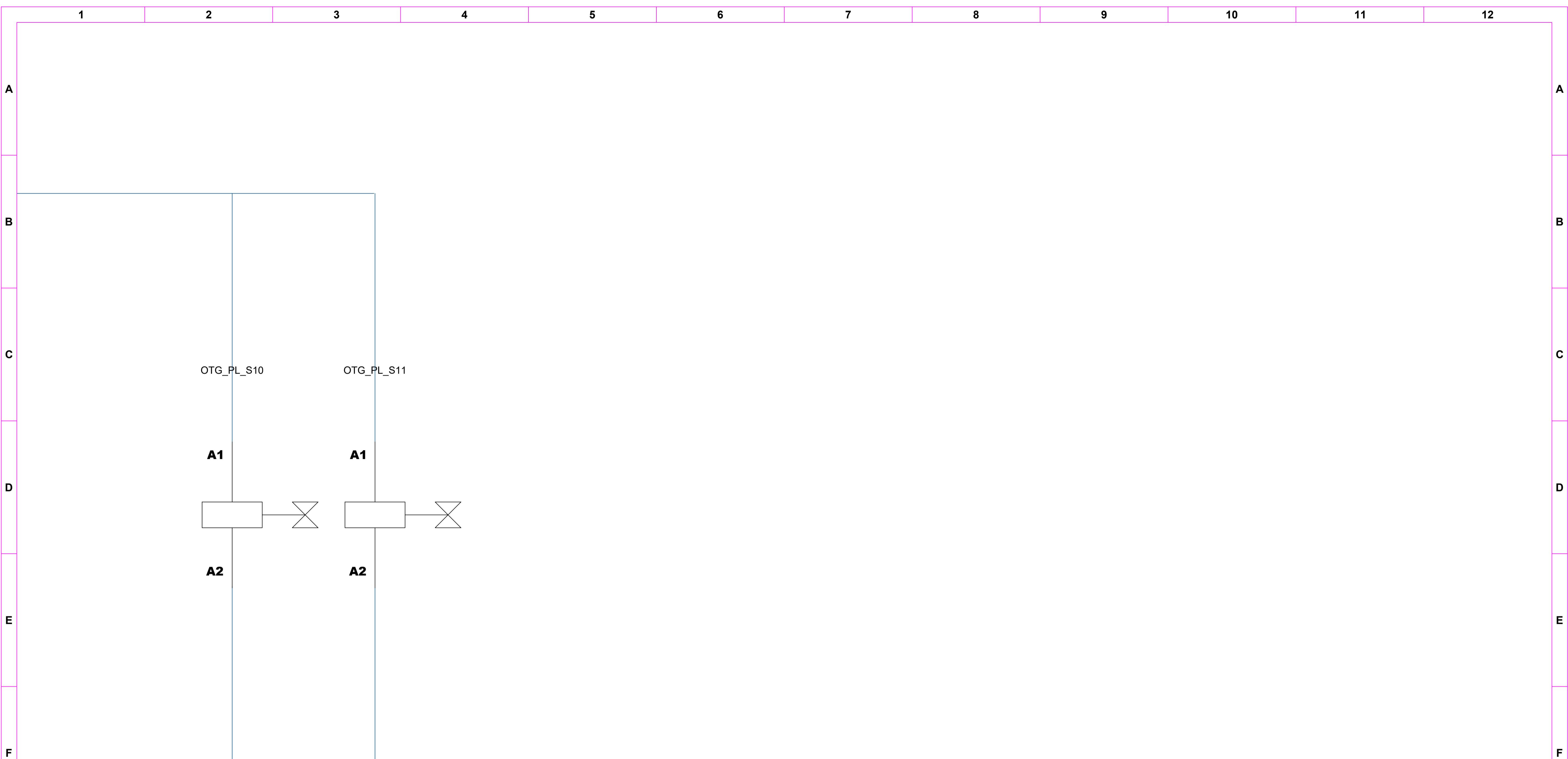
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group PILOT LAMP ALL Digital Output 3	Project Address Tile Grouting					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.85				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group PILOT LAMP ALL Digital Output 3	Project Address Tile Grouting		H									
3	19-05-2025			Drawn	RAFLI						+ Sheet No.86 108 Sheet									
				Appr.																
				Norm		IO Electrical				2	3	4	5	6	7	8	9	10	11	12

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OXP_S03.2_M02 Digital Output 1	Project Pro-X Batching											
3	19-05-2025		Drawn	RAFLI					+ Sheet No.87										
			Appr.						108 Sheet										
			Norm		IO Electrical				2	3	4	5	6	7	8	9	10	11	12

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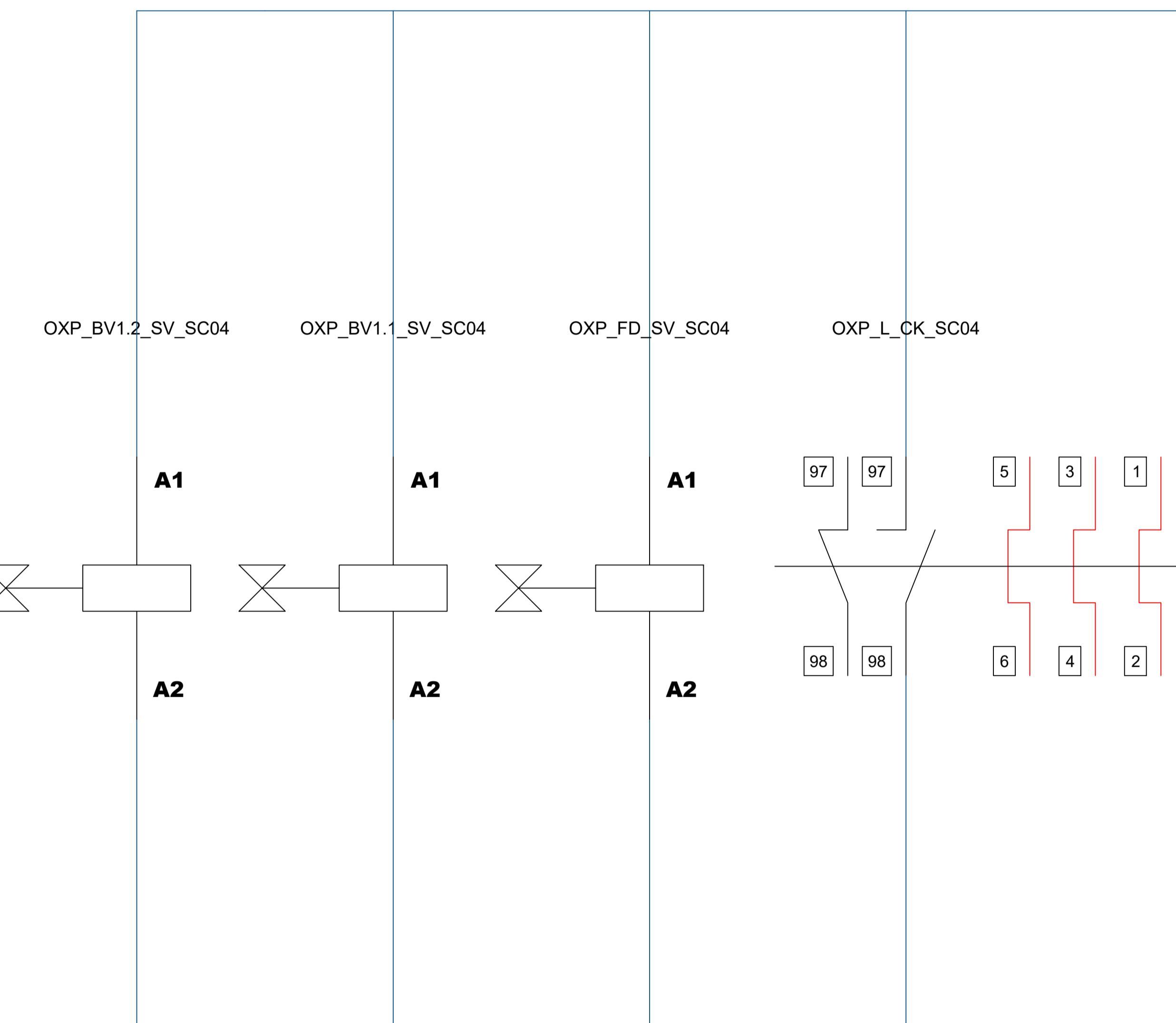
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OXP_S04_M02 Digital Output 1	Project Pro-X Batching					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.88				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

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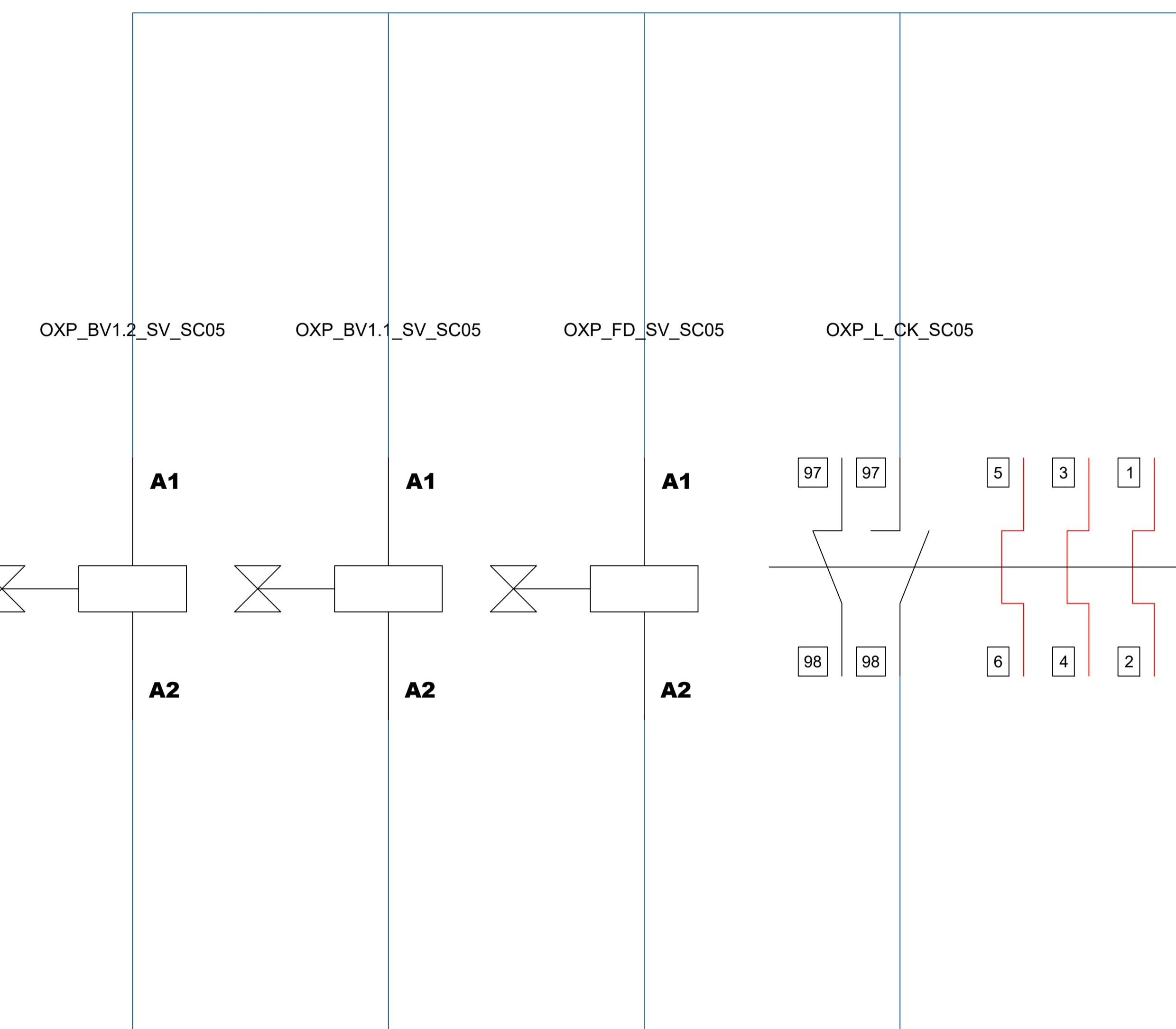
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OXP_S05_M02 Digital Output 1	Project Pro-X Batching					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.89				
			Appr.						108 Sheet				
			Norm		IO Electrical				12				
			2	3	4	5	6	7	8	9	10	11	12

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OXP_JB01_M02

OXP_BV1.1_SV_SC_JB01 OXP_FD_SV_SC_JB01 OXP_L_CK_SC_JB01

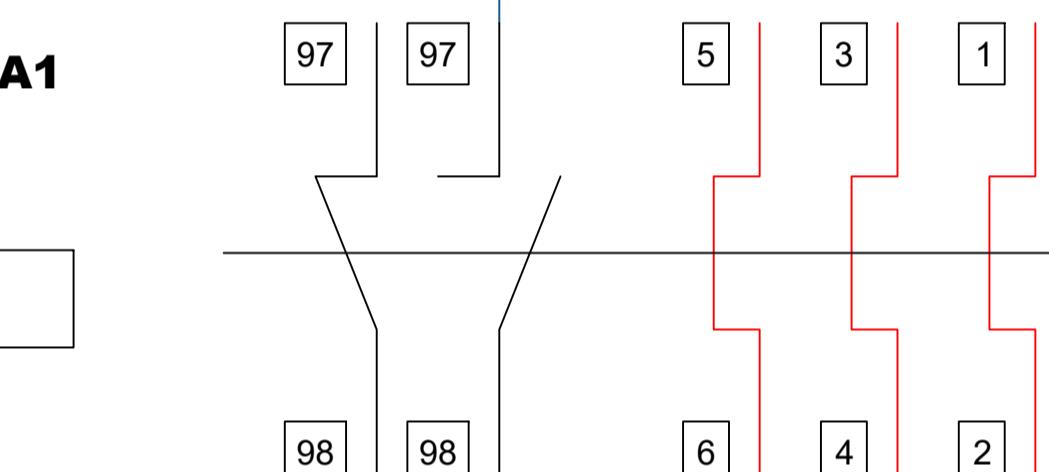
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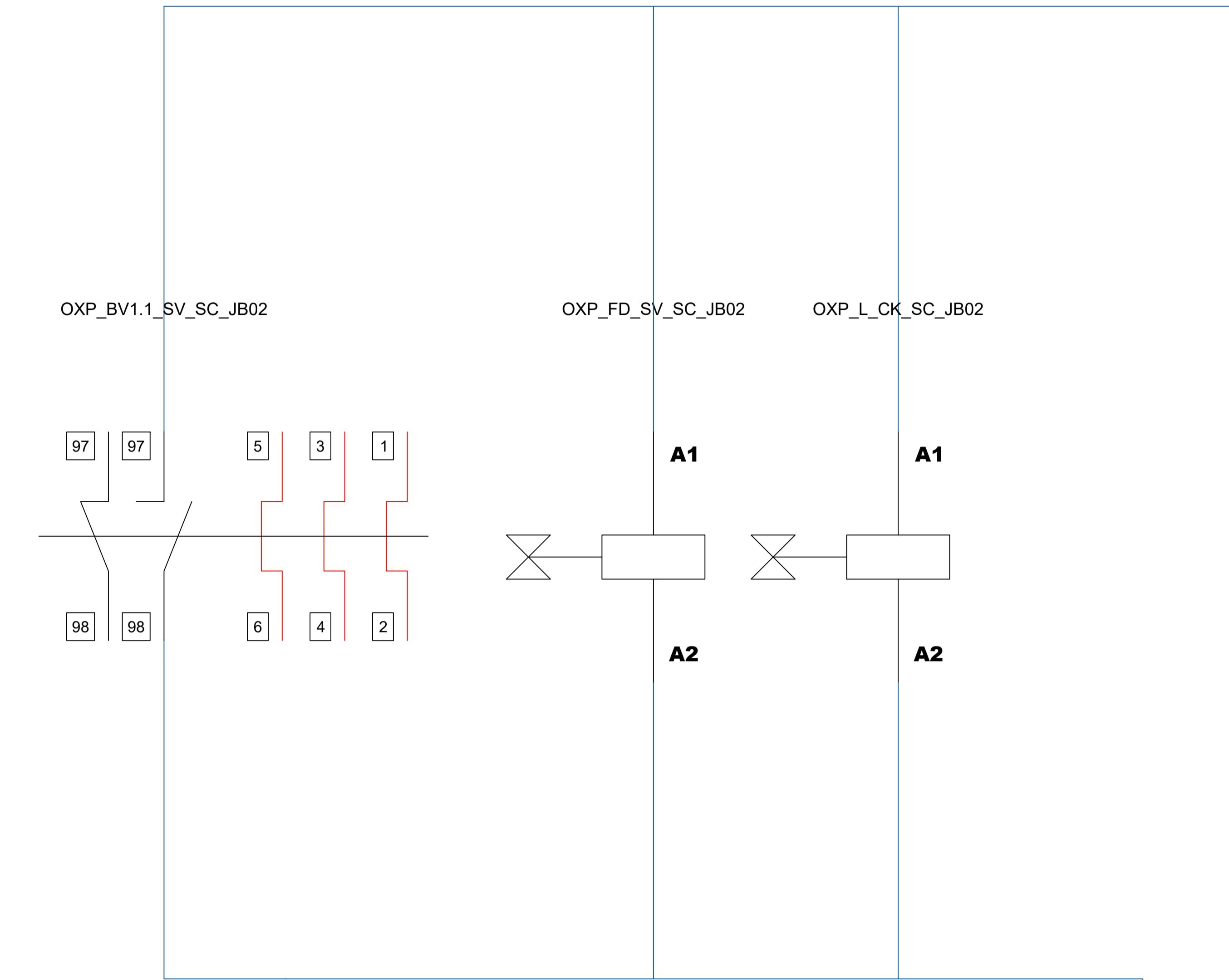
OXP_L_CK_SC_JB01



COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA Appr.	MU mortar utama SAINT-GOBAIN	Title Group OXP_JB01_M02 Digital Output 1	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+
			Norm	IO Electrical					Sheet No.90
									108 Sheet

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OXP_BV1.1_SV_M02 OXP_BV1.2_SV_M02 OXP_FWH_SV_M02 OXP_BVDD_SV_M02 OXP_BVMD_SV_M02 OXP_VMSV_M02 OXP_DM_M02

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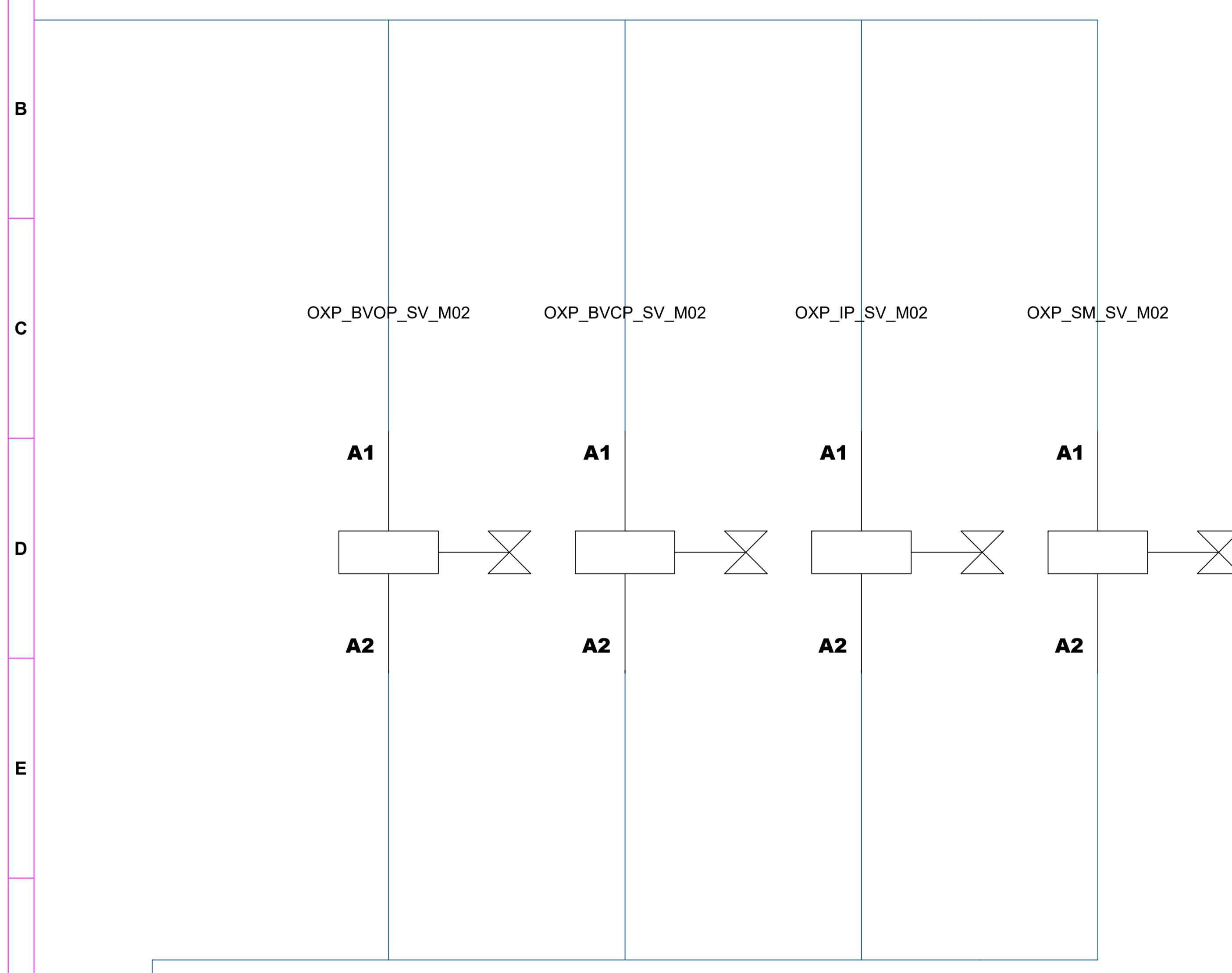
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group OXP_WH_MIX_M02 Digital Output 1	Project Pro-X Batching					
3	19-05-2025		Drawn	RAFLI					+ Sheet No.92				
			Appr.						108 Sheet				
			Norm		IO Electrical								
			2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

OXP_MIX_M02



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP [®]	Title Group OXP_MIX_M02 Digital Output 1	Project Pro-X Batching	H		
3	19-05-2025		Drawn	RAFLI	+							
			Appr.		Sheet No.93							
			Norm		IO Electrical					108 Sheet		
		2	3	4	5	6	7	8	9	10	11	12

1 2 3 4 5 6 7 8 9 10 11 12

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OXP_FDP_SV_M02 OXP_MVBP_CK_M02 OXP_DIV_SV_M02 OXP_BVHP1.1_SV_M02 OXP_BVHP1.2_SV_M02 OXP_BVHP1.3_SV_M02

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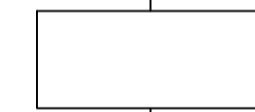
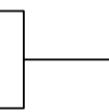
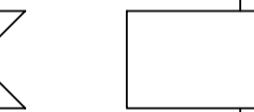
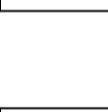
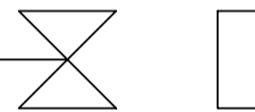
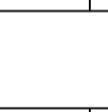
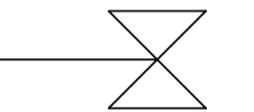
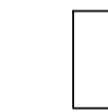
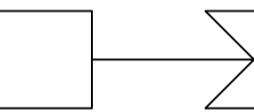
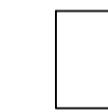
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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	WAMGROUP	Title Group OXP_HP_MIX_M02 Digital Output 1	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.94
			Norm		IO Electrical				108 Sheet

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OTG_STO_INV JB1_M02 OTG_RUN_INV JB1_M02 OTG_STO_INV S6_M02 OTG_RUN_INV S6_M02 OTG_STO_INV S5_M02 OTG_RUN_INV S5_M02 OTG_STO_INV S4_M02 OTG_RUN_INV S4_M02

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Rev. Date Remarks Date 20-01-2025 Drawn RAFLI

P.T. CIPTA MORTAR UTAMA



Title

Group OTG_RUN_INV_MIX_M02
Digital Output 2



Project

Pro-X Batching

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Sheet No.95
108 Sheet

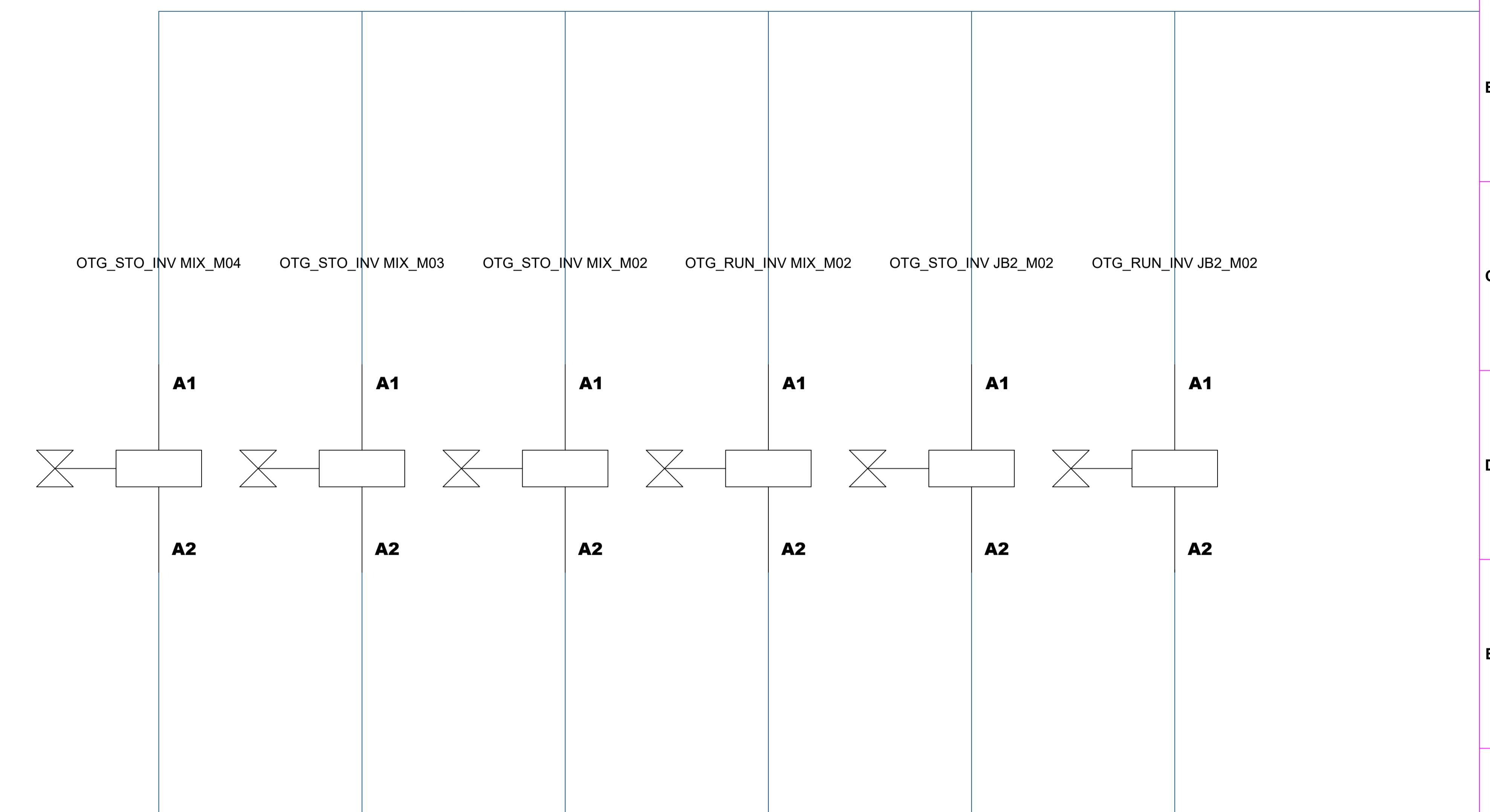
2 3 4 5 6 7 8 9 10 11 12

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H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group OTG_RUN_INV_MIX_M02 Digital Output 2	Project Pro-X Batching	H
3	19-05-2025			Drawn	RAFLI					+
				Appr.						Sheet No.96
				Norm		IO Electrical				108 Sheet

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OTG_ZERO_SCALE_MIX_M02

OTG_TARE_SCALE_MIX_M02

OTG_NG_SCALE_MIX_M02_DIV_SV_M02

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title	Project Pro-X Batching	
3	19-05-2025		Drawn	RAFLI			Group OTG_SCALE_MIX_M02	Digital Output 2	+
			Appr.						Sheet No.97
			Norm						108 Sheet

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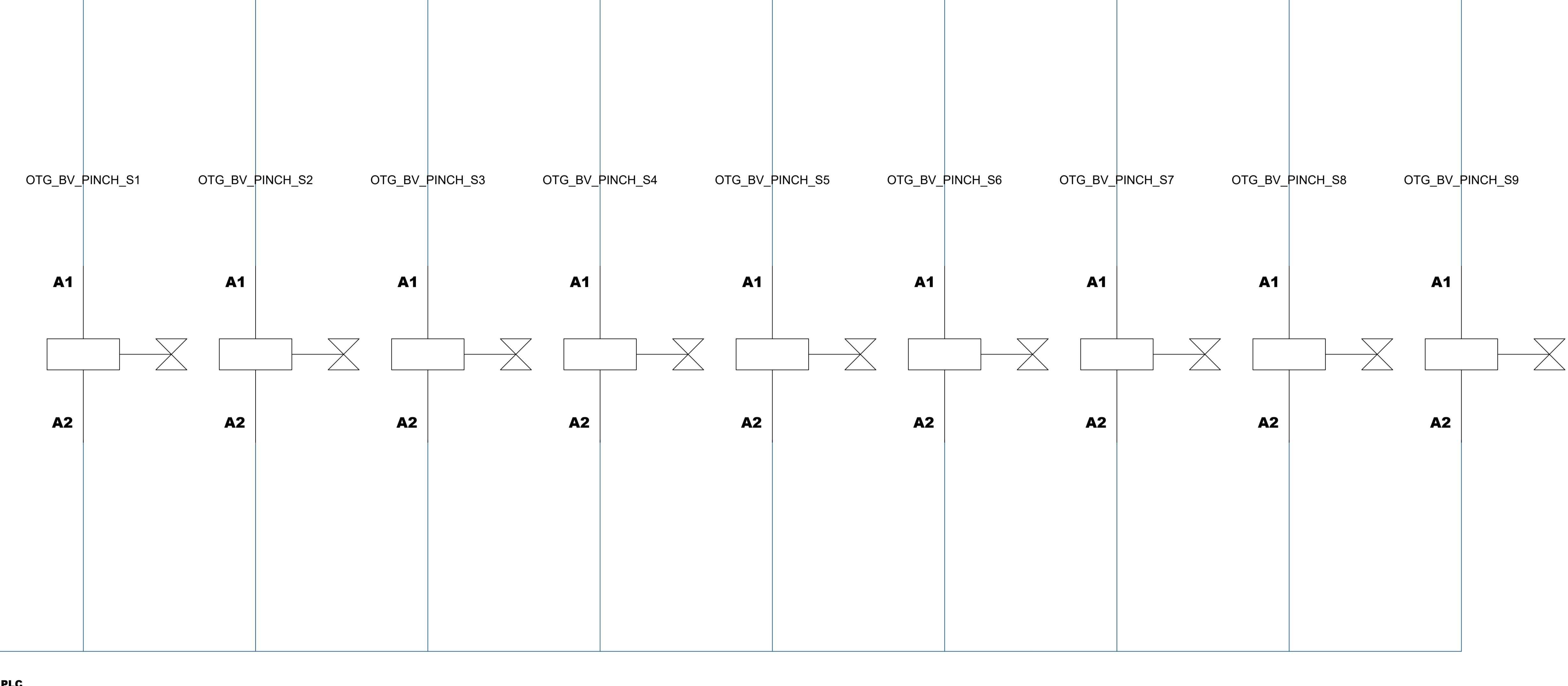
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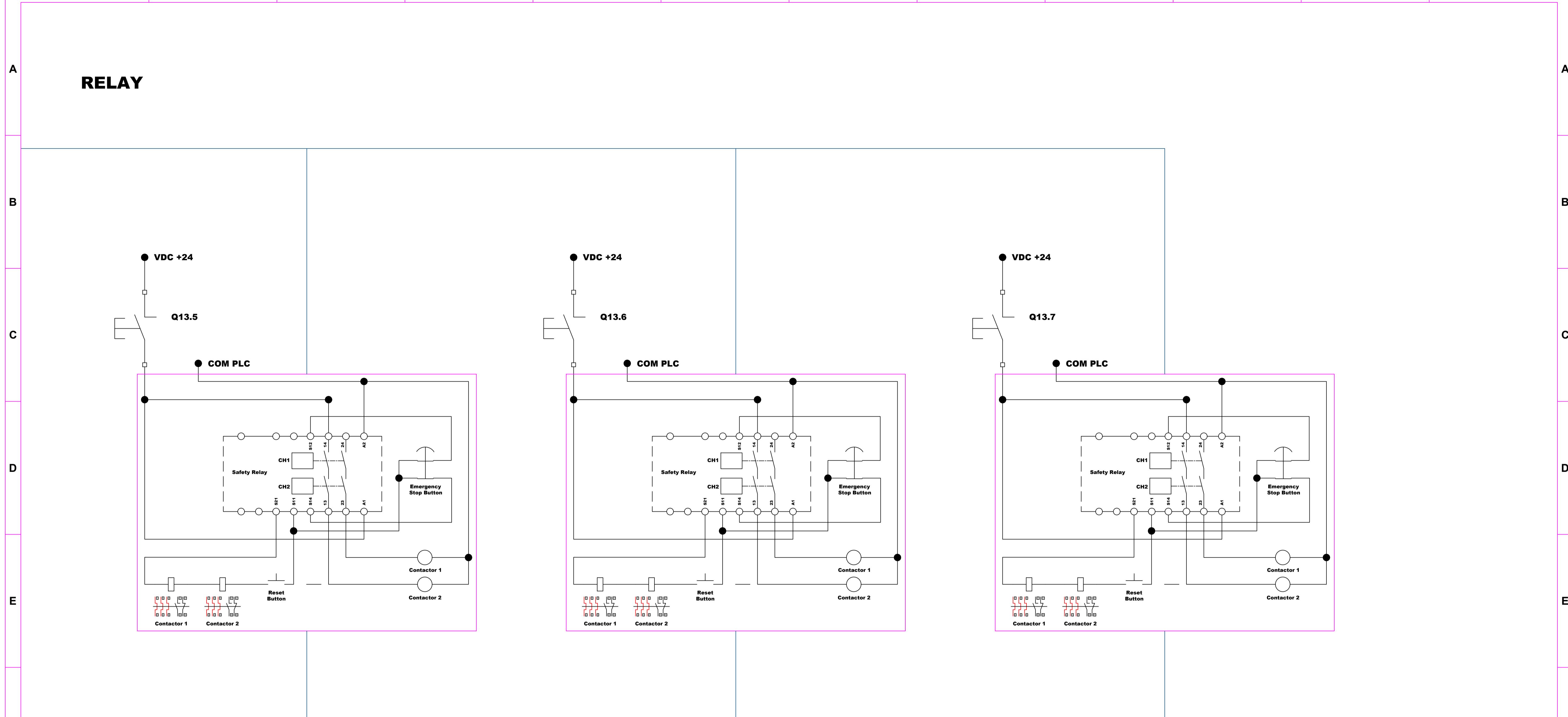
12

OTG_PINCH_SILO



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	AMU mortar utama SAINT-GOBAIN	Title Group OTG_PINCH_SILO Digital Output 2	Project Pro-X Batching		H
3	19-05-2025		Drawn	RAFLI							
			Appr.								
			Norm			IO Electrical				+ Sheet No.98 108 Sheet	

1 2 3 4 5 6 7 8 9 10 11 12



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H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	AMU mortar utama SAINT-GOBAIN	Title	WAMGROUP	Project		H
	3	19-05-2025		Drawn	RAFLI							
				Appr.								
				Norm		IO Electrical				Pro-X Batching		
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											Sheet No.99	
											108 Sheet	

Group RELAY
 Digital Output 2

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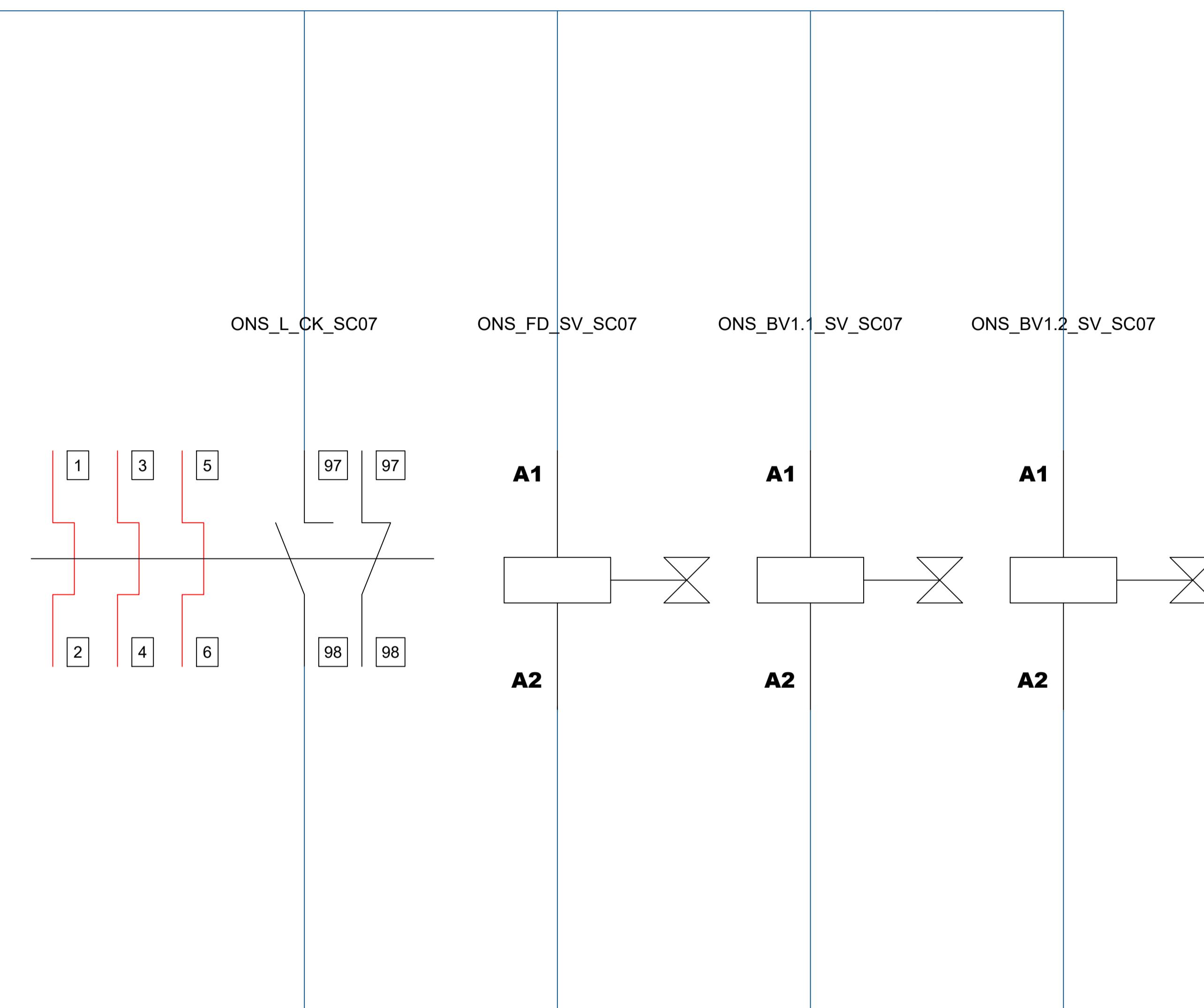
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ONS_S07_M03



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_S07_M03 Digital Output 1	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.100
			Norm		IO Electrical				108 Sheet

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ONS_S08_M03

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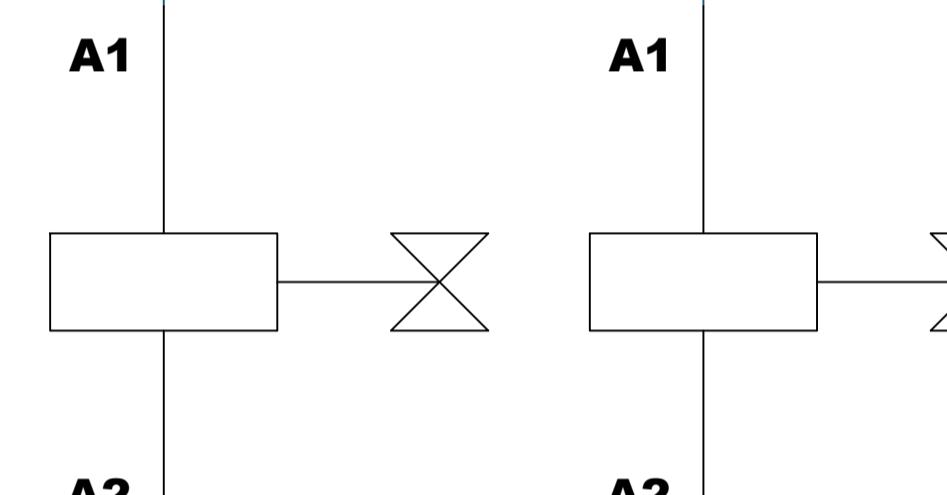
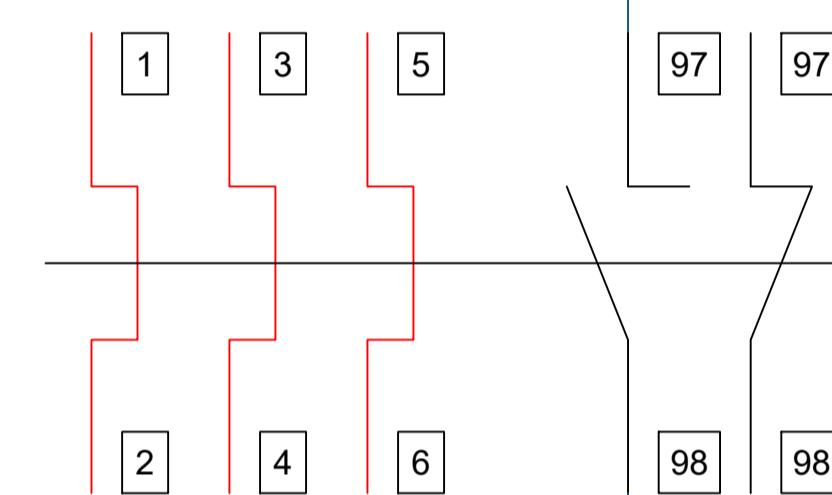
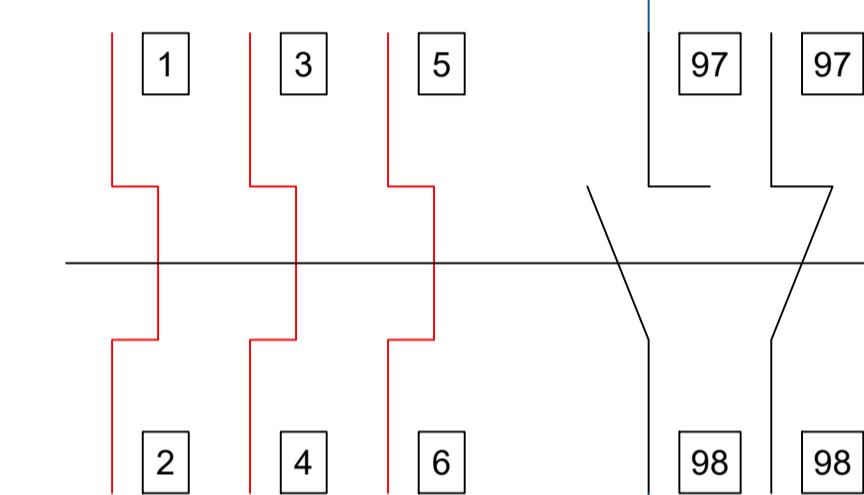
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ONS_L_CK_SC08

ONS_BV_VM_SC08

ONS_BV1.1_SV_SC08

ONS_BV1.2_SV_SC08



COM PLC

Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_S08_M03 Digital Output 1	Project Non Sanded Batching			
3	19-05-2025		Drawn	RAFLI							
			Appr.								
			Norm		IO Electrical				+ Sheet No.101 108 Sheet		

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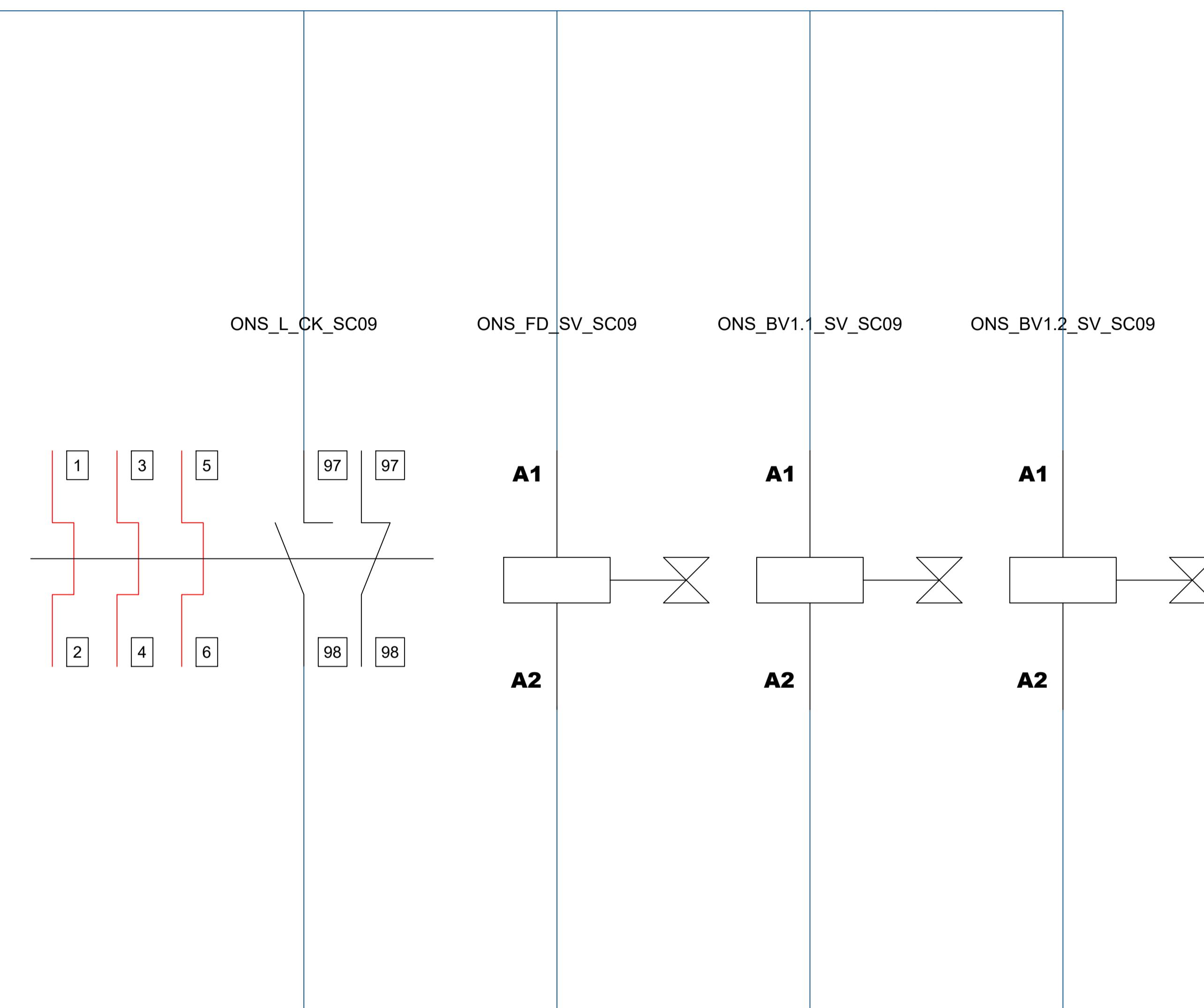
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ONS_S09_M03



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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_S09_M03 Digital Output 1	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.102
			Norm		IO Electrical				108 Sheet

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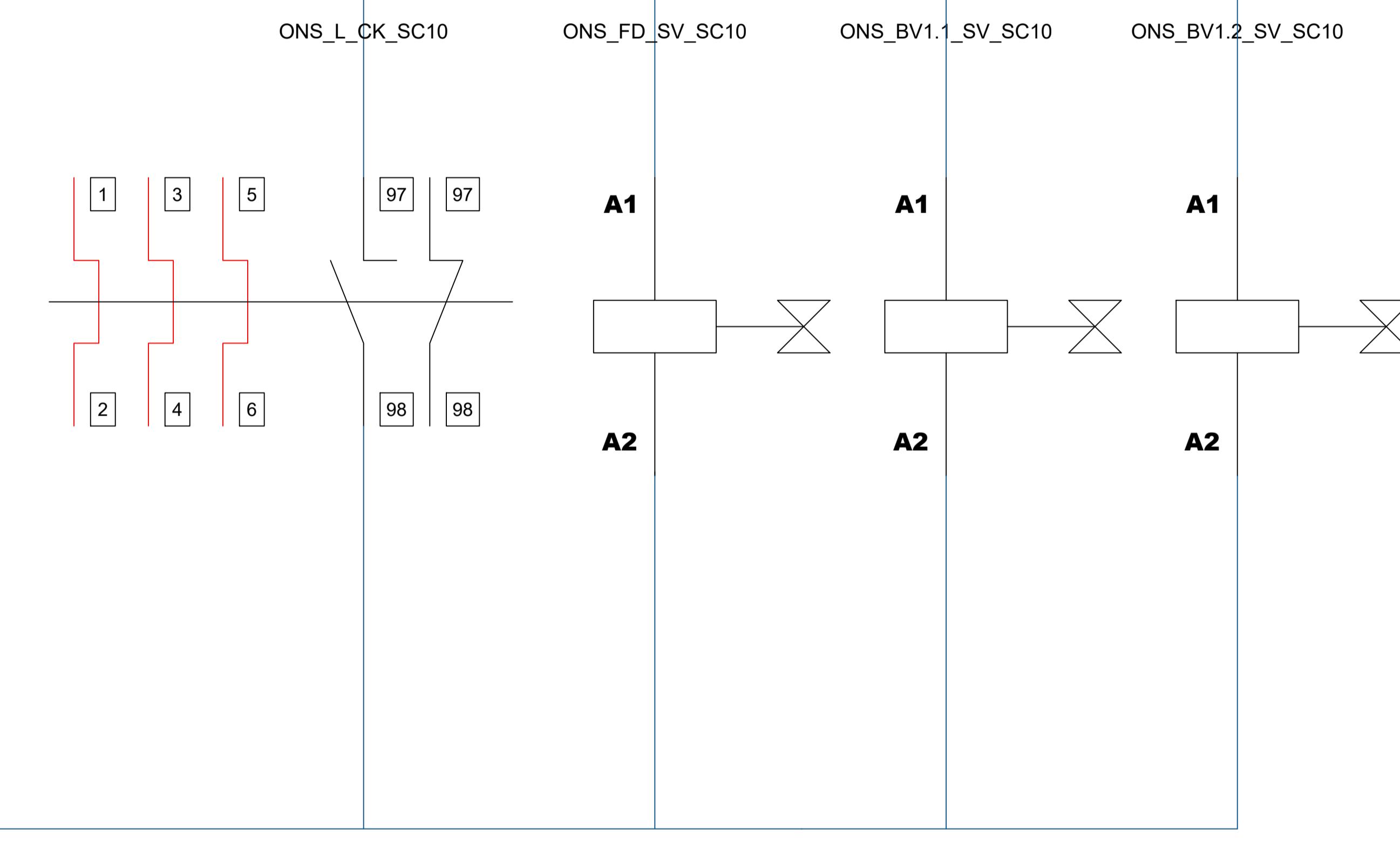
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ONS_S10_M03



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_S10_M03 Digital Output 1	Project Non Sanded Batching		
3	19-05-2025		Drawn	RAFLI					+	Sheet No.103
			Appr.							108 Sheet
			Norm		IO Electrical					

1 2 3 4 5 6 7 8 9 10 11 12

1 2 3 4 5 6 7 8 9 10 11 12

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ONS_WH_MIX_M03

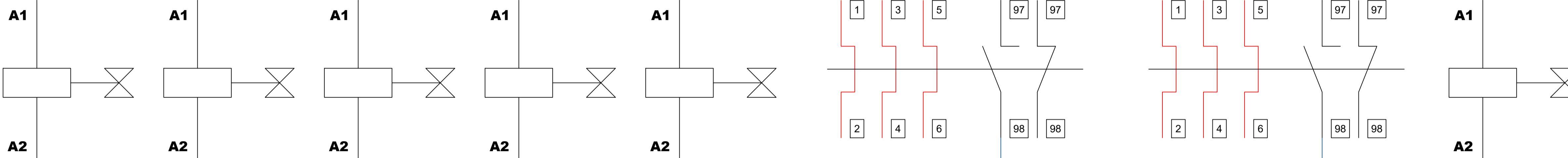
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ONS_BV1.1_SV_M03 ONS_BV1.2_SV_M03 ONS_FWH_SV_M03 ONS_BVDD_SV_M03 ONS_BVMD_SV_M03 ONS_VM1.1_SV_M03 ONS_VM1.2_SV_M03 ONS_DM_M03

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_WH_MIX_M03 Digital Output 2	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.104
			Norm		IO Electrical				108 Sheet

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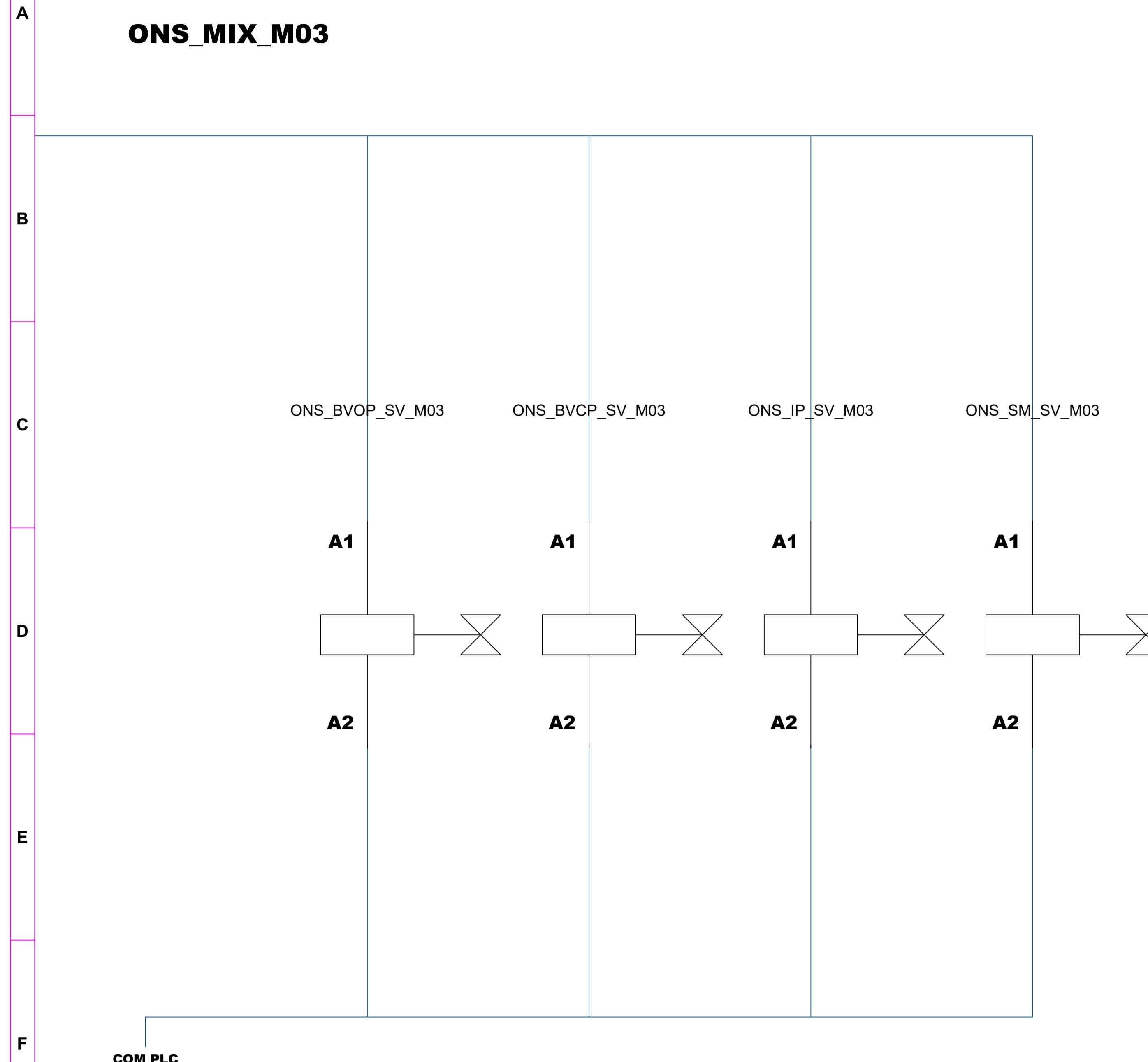
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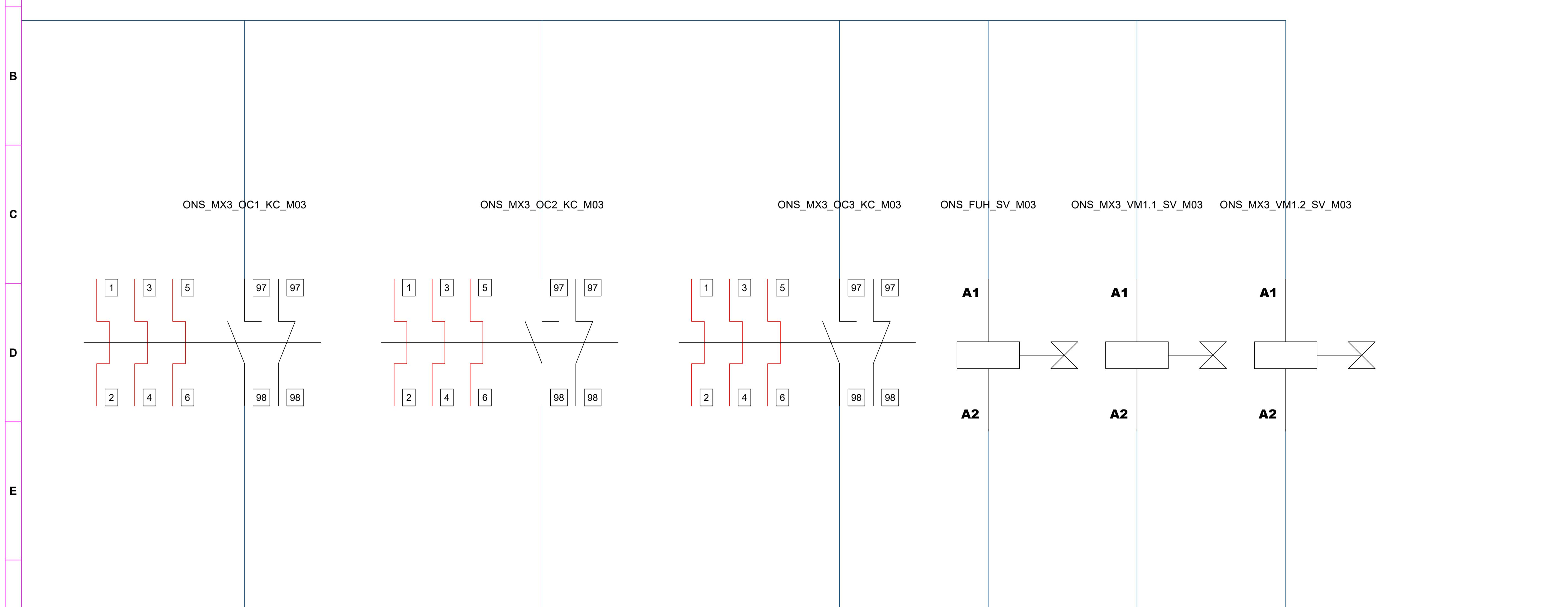
1 2 3 4 5 6 7 8 9 10 11 12



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title Group ONS_MIX_M03 Digital Output 2	Project Non Sanded Batching		
3	19-05-2025		Drawn	RAFLI						
			Appr.							
			Norm		IO Electrical				+ Sheet No.105 108 Sheet	
					2	3	4	5	6	7 8 9 10 11 12

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ONS_HP_MIX_M03



H	Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA		Title Group ONS_HP_MIX_M03 Digital Output 2	Project Non Sanded Batching	H
3	19-05-2025			Drawn	RAFLI					+
				Appr.						Sheet No.106
				Norm		IO Electrical				108 Sheet

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OTG_RUN_INV_MIX_M02

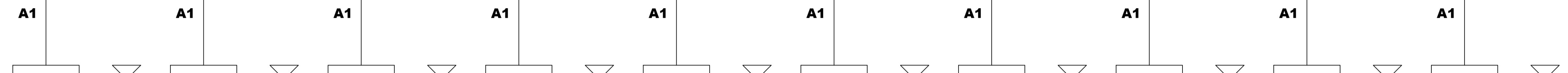
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OTG_RUN_INV S7_M03 OTG_STO_INV S7_M03 OTG_RUN_INV S8_M03 OTG_STO_INV S8_M03 OTG_RUN_INV S9_M03 OTG_STO_INV S9_M03 OTG_RUN_INV S10_M03 OTG_STO_INV S10_M03 OTG_RUN_INV MIX_M03 OTG_STO_INV MIX_M03

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Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title	Project Non Sanded Batching	
3	19-05-2025		Drawn	RAFLI			Group OTG_RUN_INV_MIX_M02		+
			Appr.				Digital Output 3		Sheet No.107
			Norm		IO Electrical				108 Sheet

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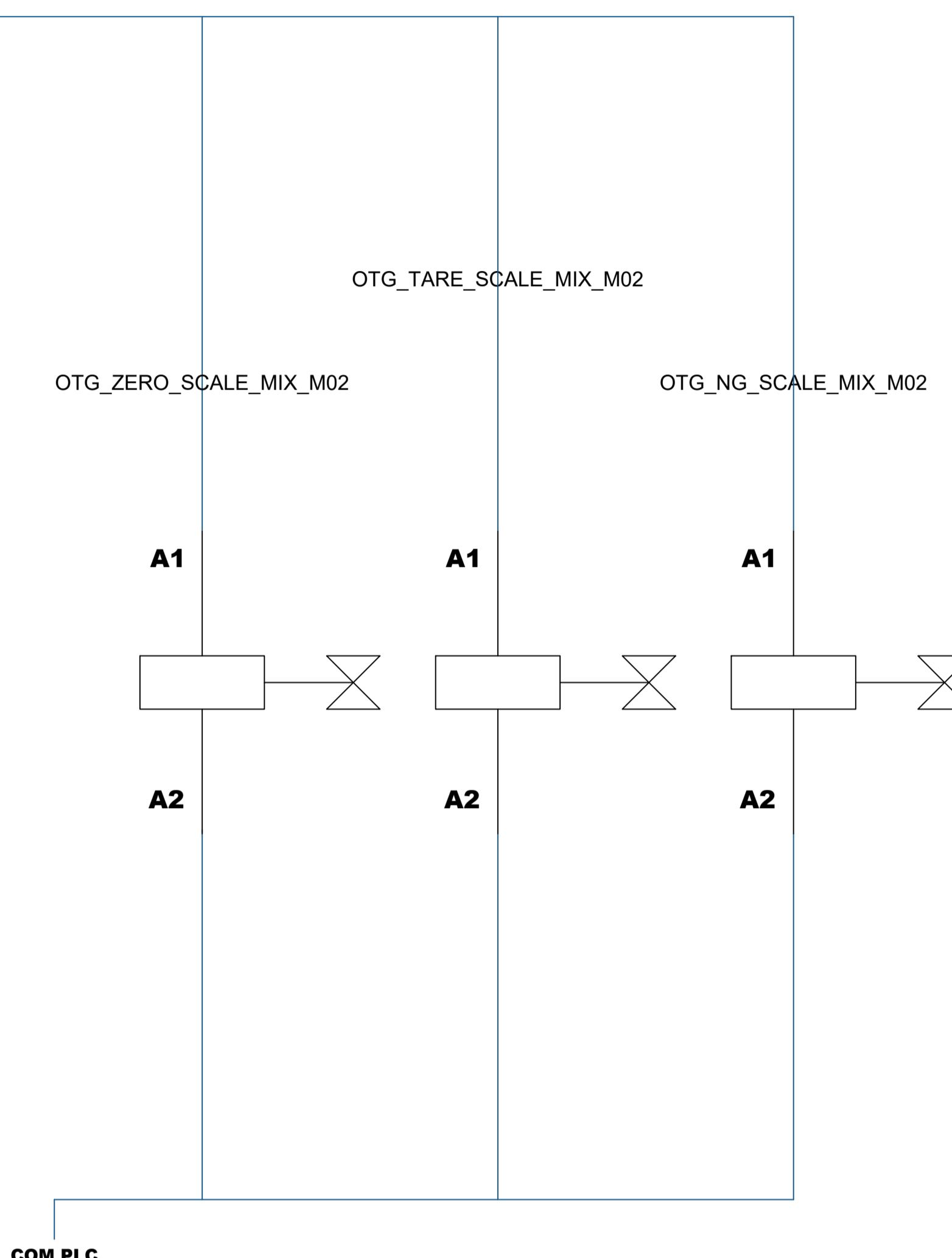
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OTG_SCALE_MIX_M02



Rev.	Date	Remarks	Date	20-01-2025	P.T. CIPTA MORTAR UTAMA	 WAMGROUP	Title	Project Non Sanded Batching Digital Output 3	
3	19-05-2025		Drawn	RAFLI					+
			Appr.						Sheet No.108
			Norm		IO Electrical				108 Sheet

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