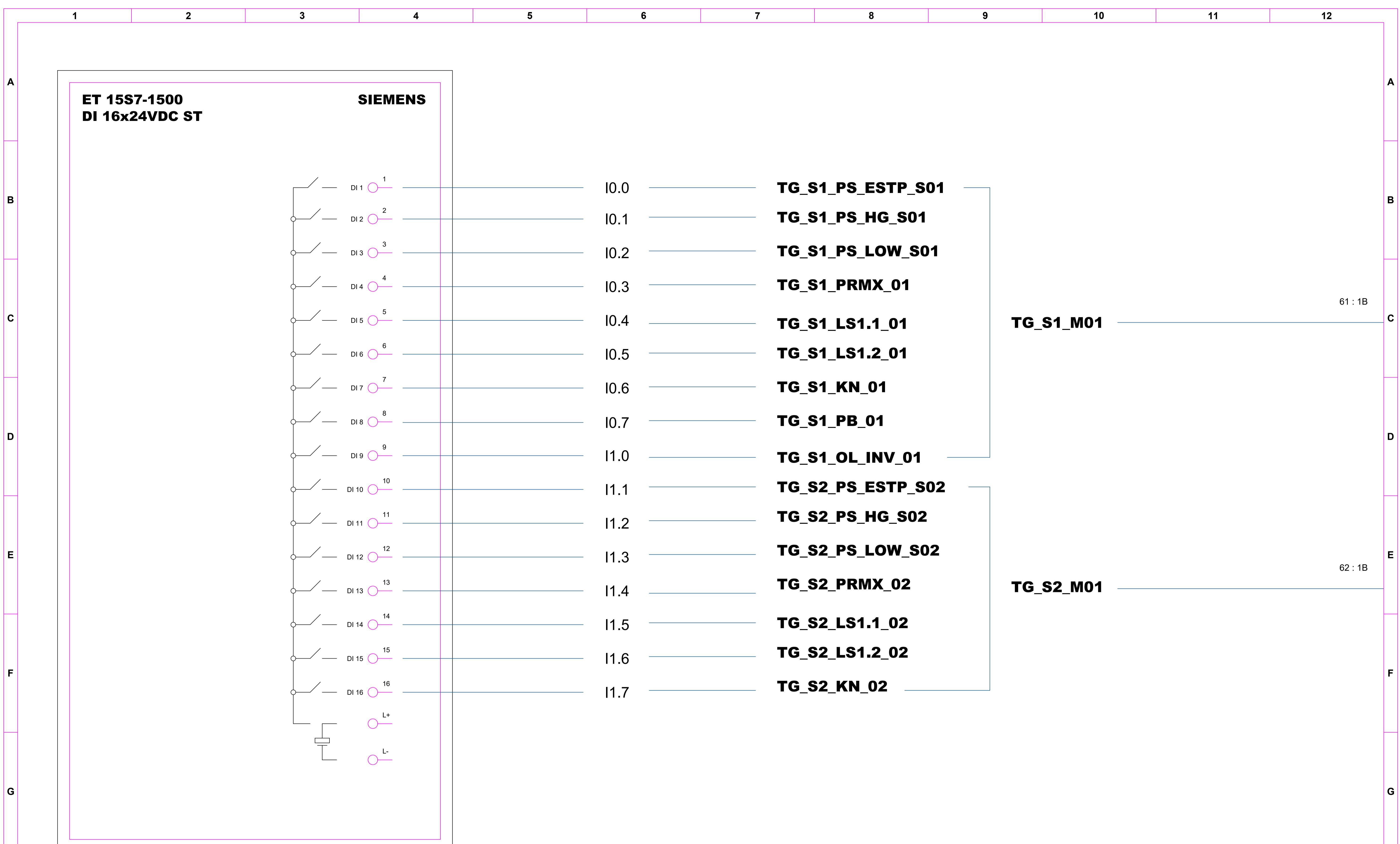


1 2 3 4 5 6 7 8 9 10 11 12

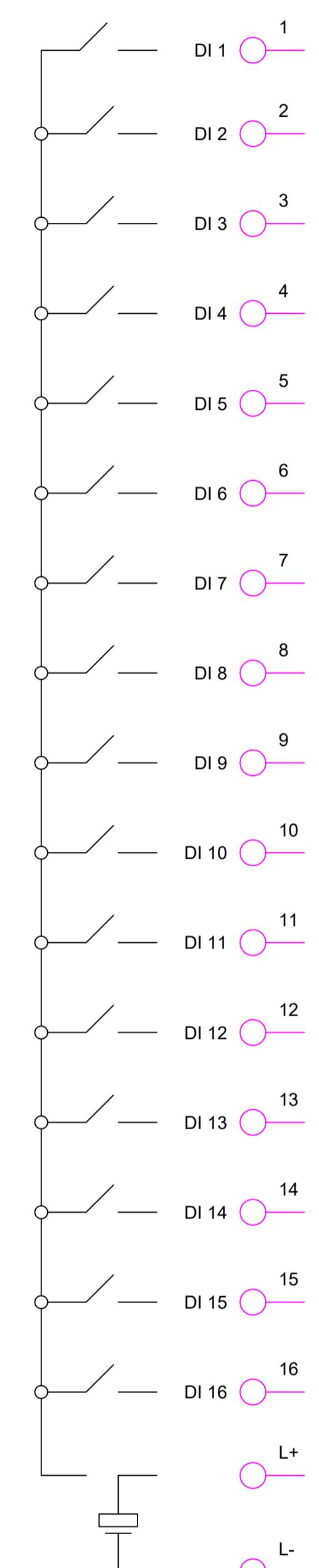


| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Digital Input 1 | Project Address Tile Grouting | | H | | | | | | | | | |
|---|------|------------|---------|----------------|------------|-------------------------|--|---------------------------------|----------------------------------|-------------------------------|---|---|---|---|---|---|---|----|----|----|
| | 4 | 21-05-2025 | | Drawn RAFLI | | | | | | | | | | | | | | | | |
| | | | | Appr. | | | | | | | | | | | | | | | | |
| | | | | Norm | | Wiring Control Panel | | | | + Sheet No.43 118 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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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**

62 : 9B

63 : 1B

64 : 1B

B

c

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C

D

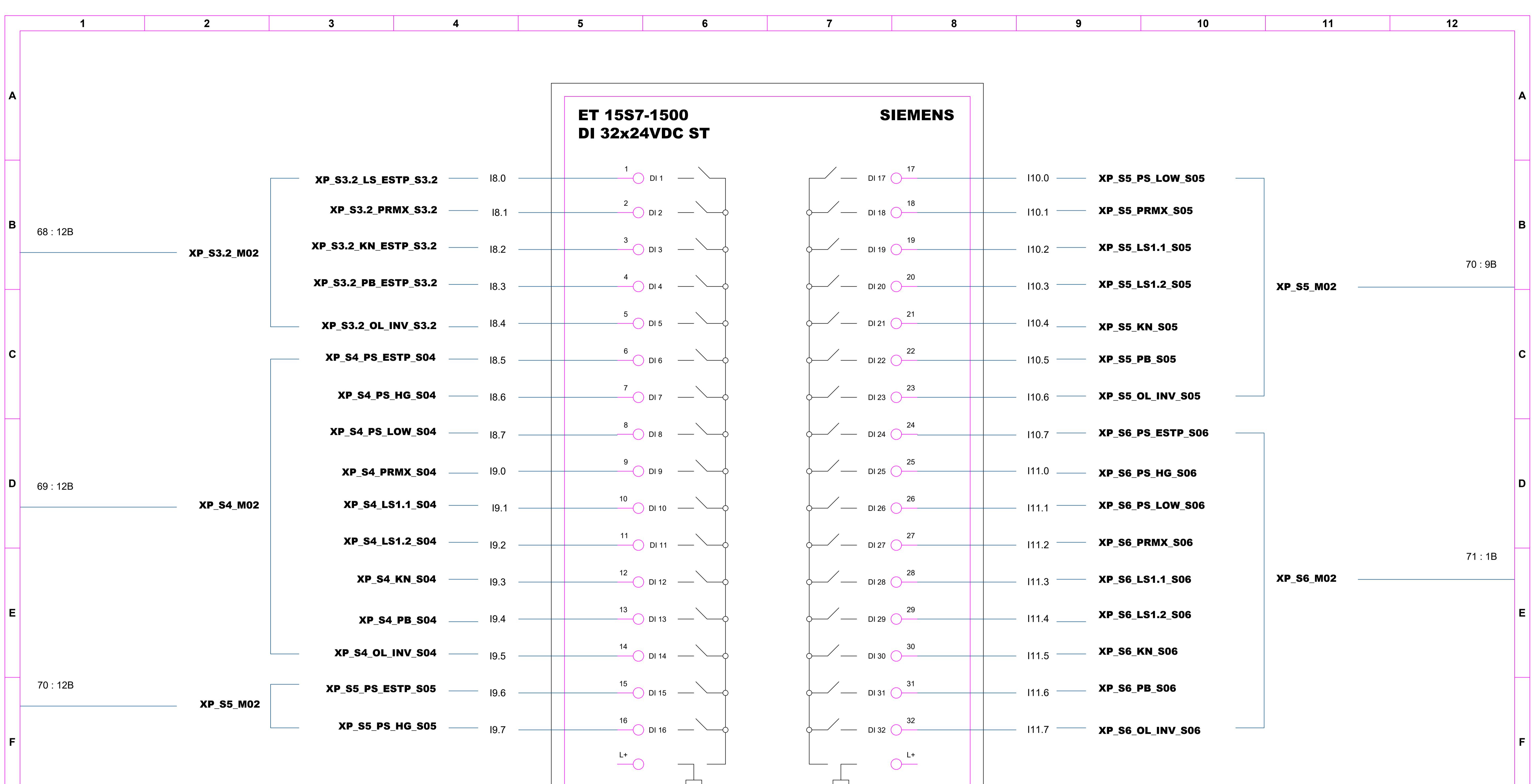
E

F

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| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | MU mortar utama SAINT-GOBAIN | Title Digital Input 2 | Project Address Tile Grouting | |
|---|------|------------|---------|-------|------------|-------------------------|---------------------------------|---------------------------------|----------------------------------|-------------|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | | Appr. | | | | | | Sheet No.44 |
| | | | | Norm | | Wiring Control Panel | | | | 118 Sheet |
| | | | | | | | | | | |

2 3 4 5 6 7 8 9 10 11 12



| | | | | | | | | | |
|---|-------------|-------------|----------------|--------------|------------|--|---|---|---|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Digital Input 1 Pro-X Batching Sheet No.46 Wiring Control Panel | Project  WAMGROUP® + 117 Sheet | H |
| 4 | 21-05-2025 | | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | |
| | | | | Norm | | | | | |

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

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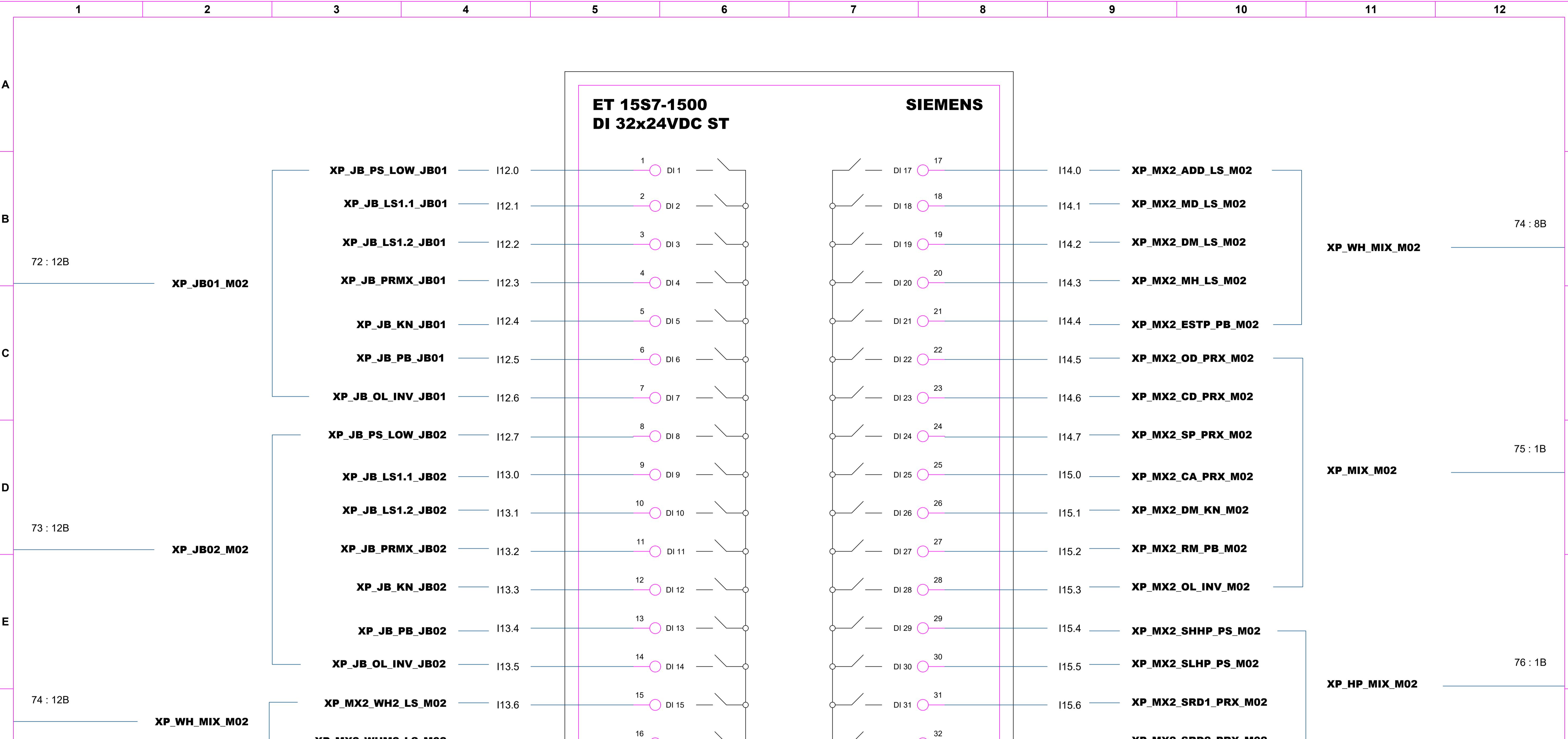
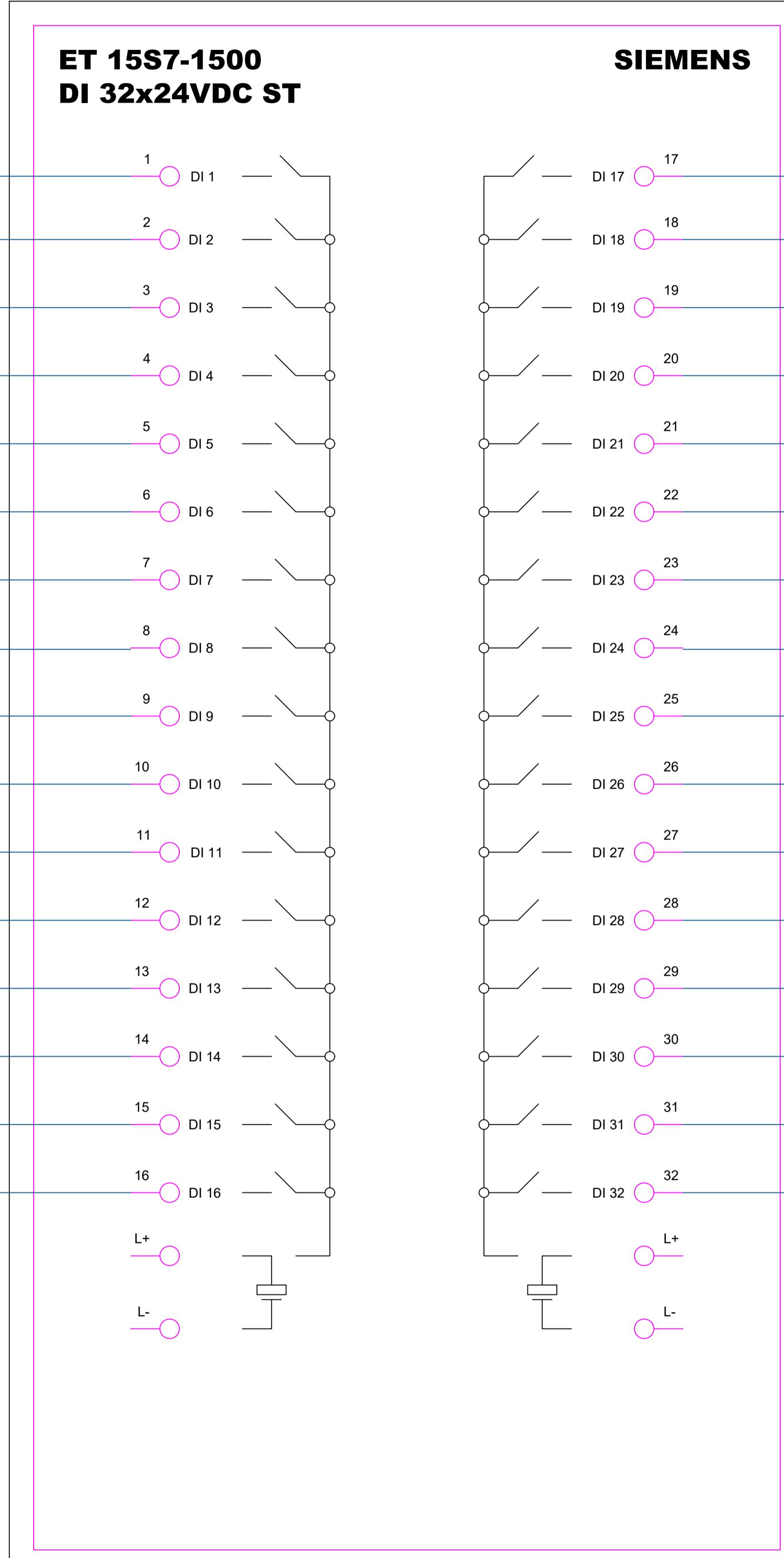
F

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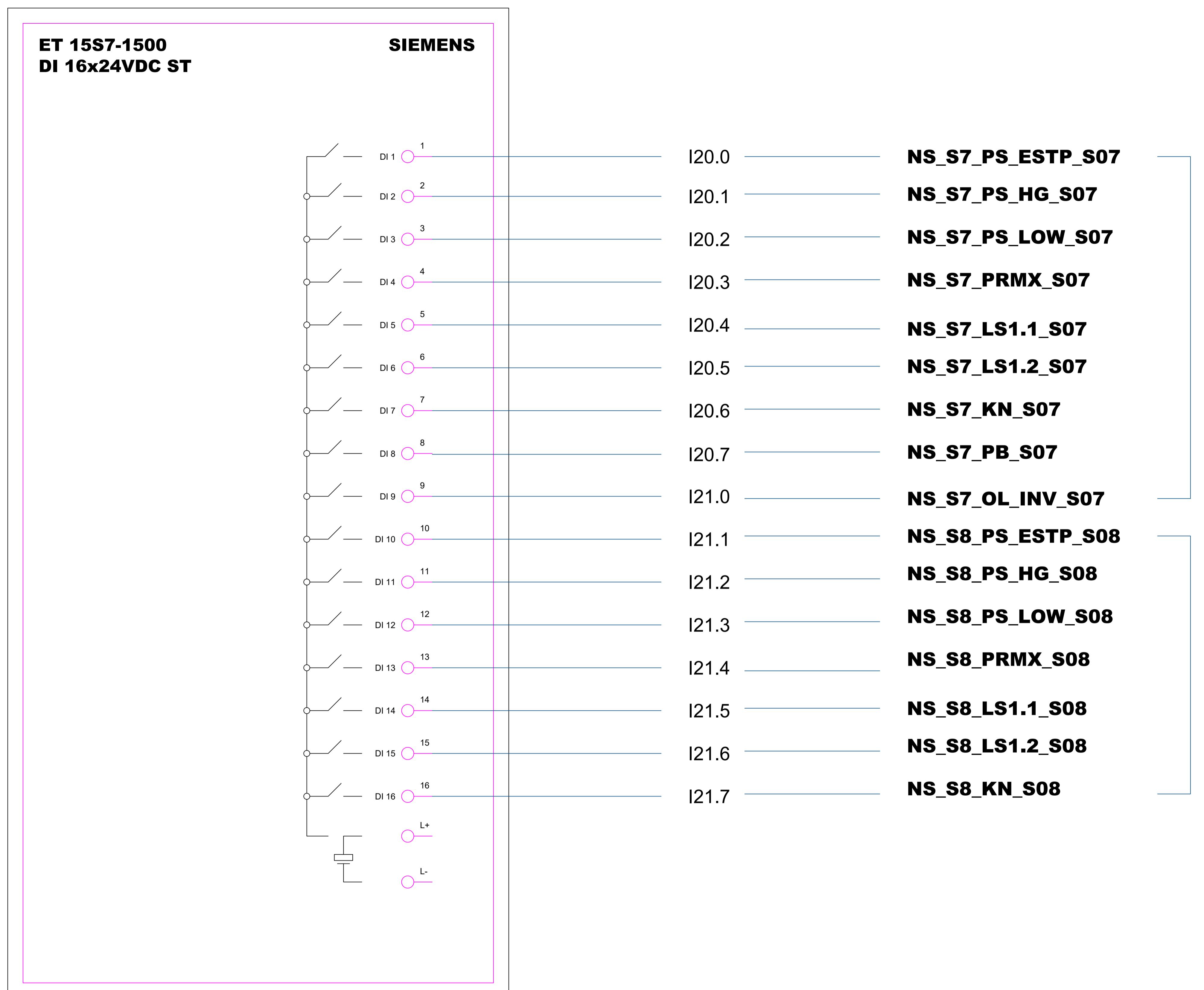


| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Title | Digital Input 2 | Project | Pro-X Batching | H | |
|------|------------|---------|-------|------------|-------------------------|---|-------|-----------------|---------|----------------|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | |
| | | | Appr. | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | | | |
| 2 | | | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |



WAMGROUP

+
Sheet No.47
117 Sheet



NS_S07_M03

78 : 1

NS_S08_M03

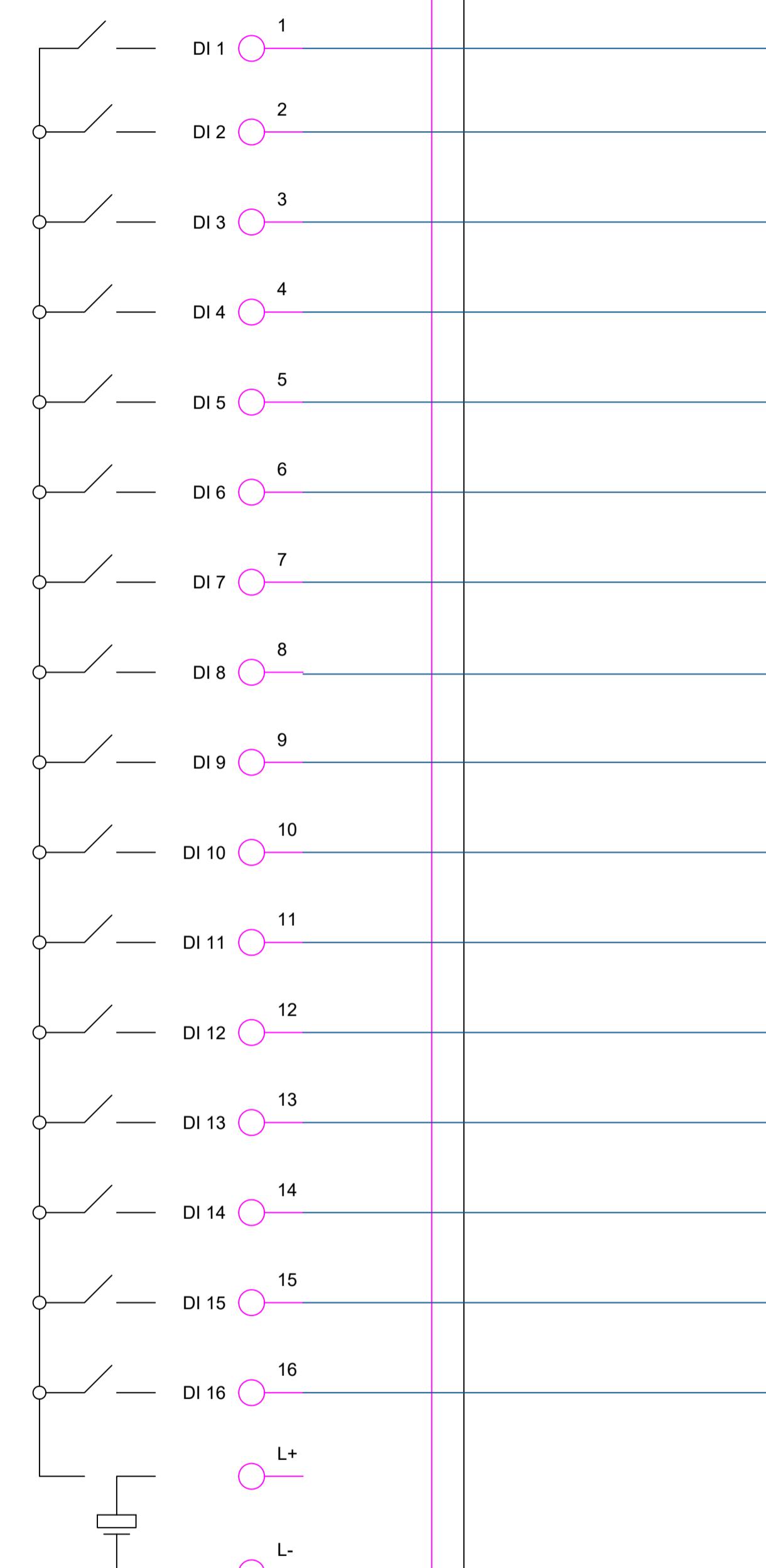
79 : 1

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

A

**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

79 : 9B

NS_S09_M03

80 : 1B

NS_S10_M03

81 : 1B

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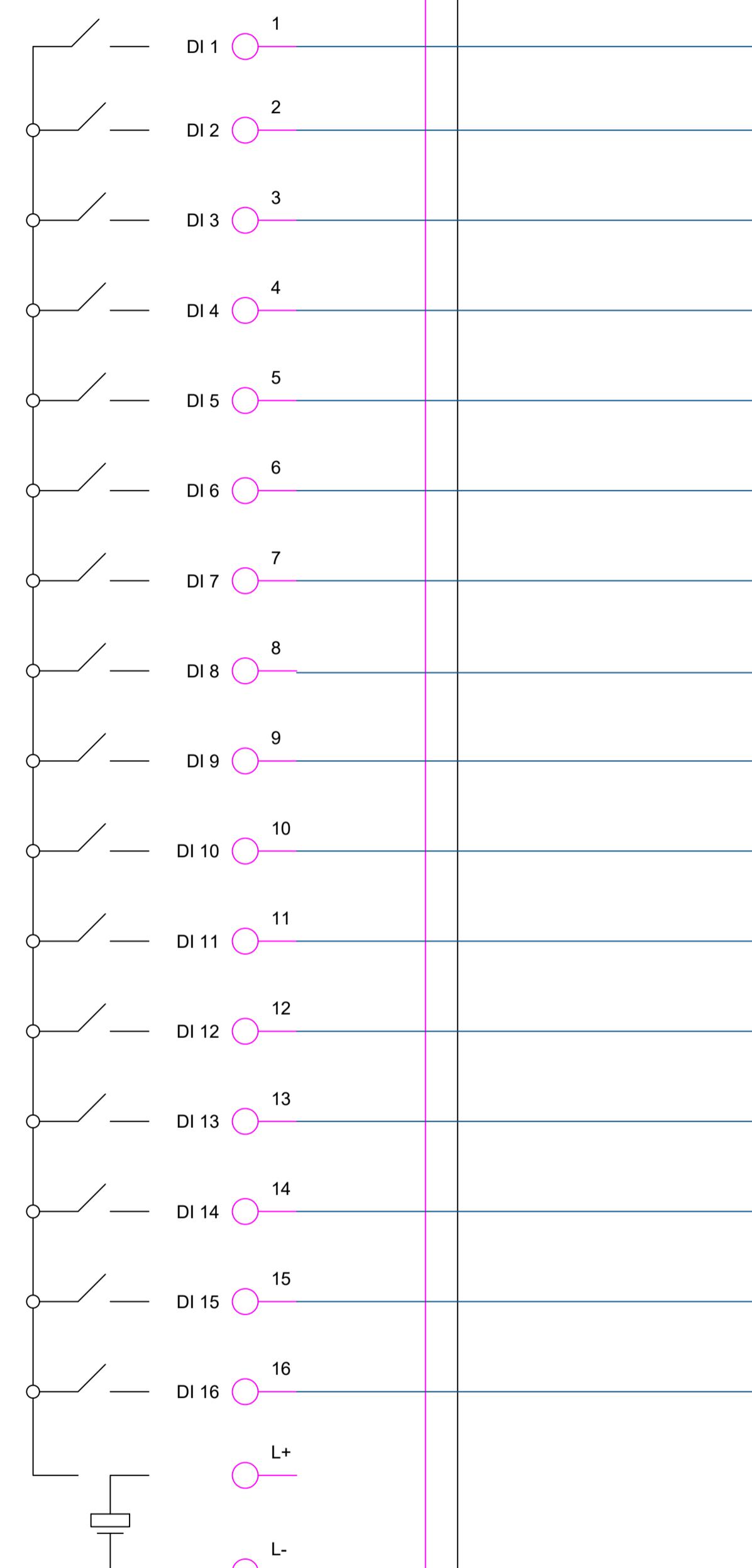
F

G

| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title | Digital Input 2 | Project | |
|---|------|------------|---------|-------|------------|-------------------------|--|-------|------------------------|---------------------|-------------|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | |
| | | | | Appr. | | | | | | | |
| | | | | Norm | | Wiring Control Panel | | | | Non Sanded Batching | |
| | | | | | | | | | | | + |
| | | | | | | | | | | | Sheet No.50 |
| | | | | | | | | | | | 117 Sheet |

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

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

B

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**I24.4 _____ **NS_MX3_WH3_LS_M03**I24.5 _____ **NS_MX3_WHM3_LS_M03**I24.6 _____ **NS_MX3_ADD_LS_M03**I24.7 _____ **NS_MX3_MD_LS_M03**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**I25.5 _____ **NS_MX3_SP_PB_M03**I25.6 _____ **NS_MX3_CA_PB_M03**I25.7 _____ **NS_MX3_OC1_KC_M03****NS_S10_M03**

81 : 7B

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NS_WH_MIX_M03

82 : 1B

C

NS_MIX_M03

83 : 1B

D

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| Rev. | Date | Remarks | Date | Drawn | Appr. | P.T. CIPTA MORTAR UTAMA | Title | Project | |
|------|------------|---------|------|-------|-------|-------------------------|-------|---------|------------------|
| 4 | 21-05-2025 | | | RAFLI | | | | | + Sheet No.51 |
| | | | | | | | | | 117 Sheet |
| | | | | | | | | | |

**Digital Input 3**

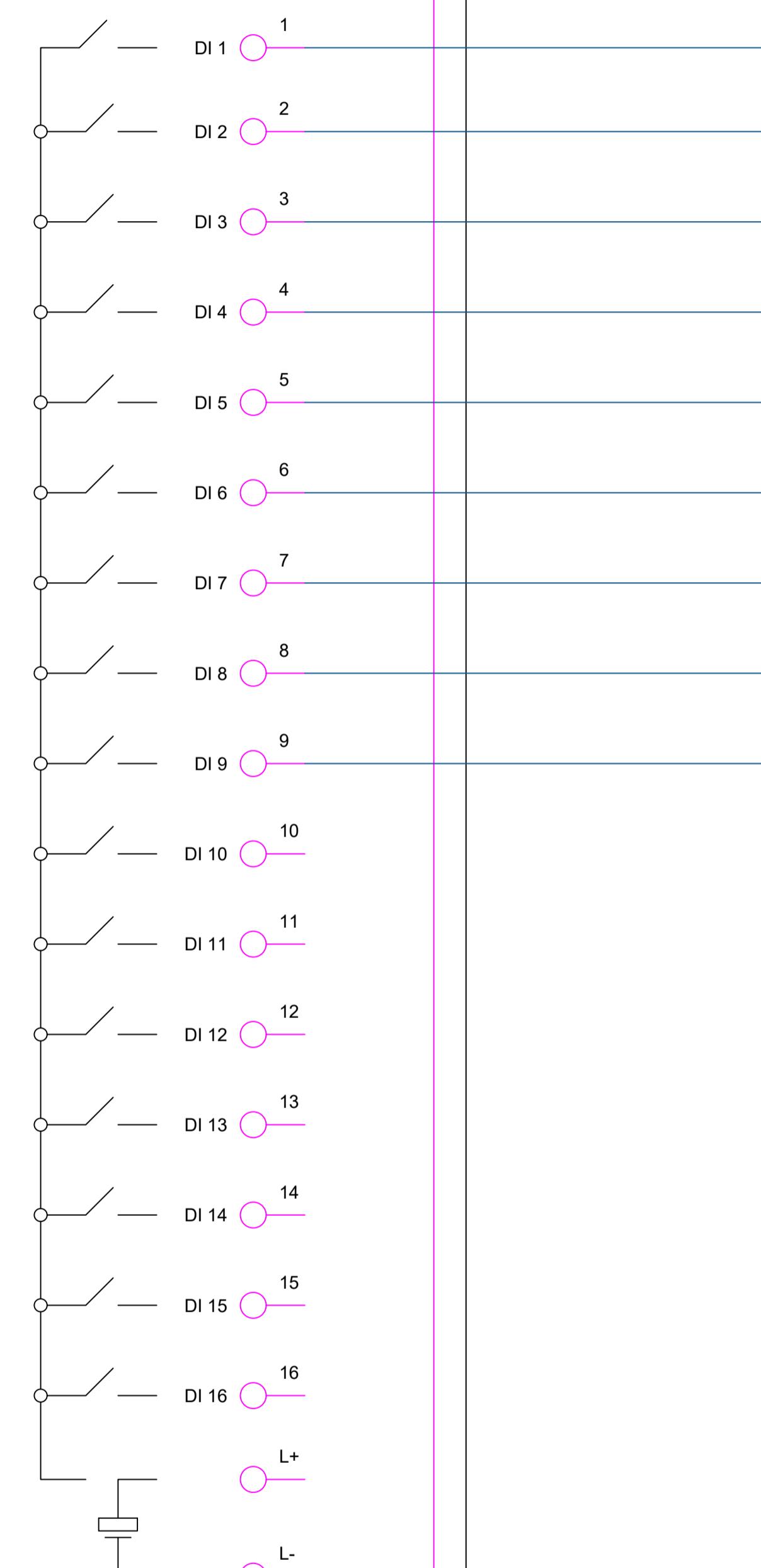
Non Sanded Batching

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

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

SIEMENS



I26.0 I26.1 I26.2 I26.3 I26.4 I26.5 I26.6 I26.7 I27.0

**NS_MX3_OC2_KC_M03
NS_MX3_OC3_KC_M03
NS_MX3_DM_KN_M03
NS_MX3_RM_PB_M03
NS_MX3_OL_INV_M03
NS_MX3_SHHP_PS_M03
NS_MX3_SLHP_PS_M03
NS_MX3_BVUP1.1_PS_M03
NS_MX3_SBVUP1.2_PS_M03**

NS_MIX_M03

NS_HP_MIX_M03

83 : 8B

85 : 1B

A

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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Digital Input 4 | Project Non Sanded Batching | | | |
|------|------------|---------|-------|------------|-------------------------|--|---------------------------------|--------------------------------|---|-------------|--|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + | Sheet No.52 | |
| | | | Appr. | | | | | | | 117 Sheet | |
| | | | Norm | | Wiring Control Panel | | | | | | |

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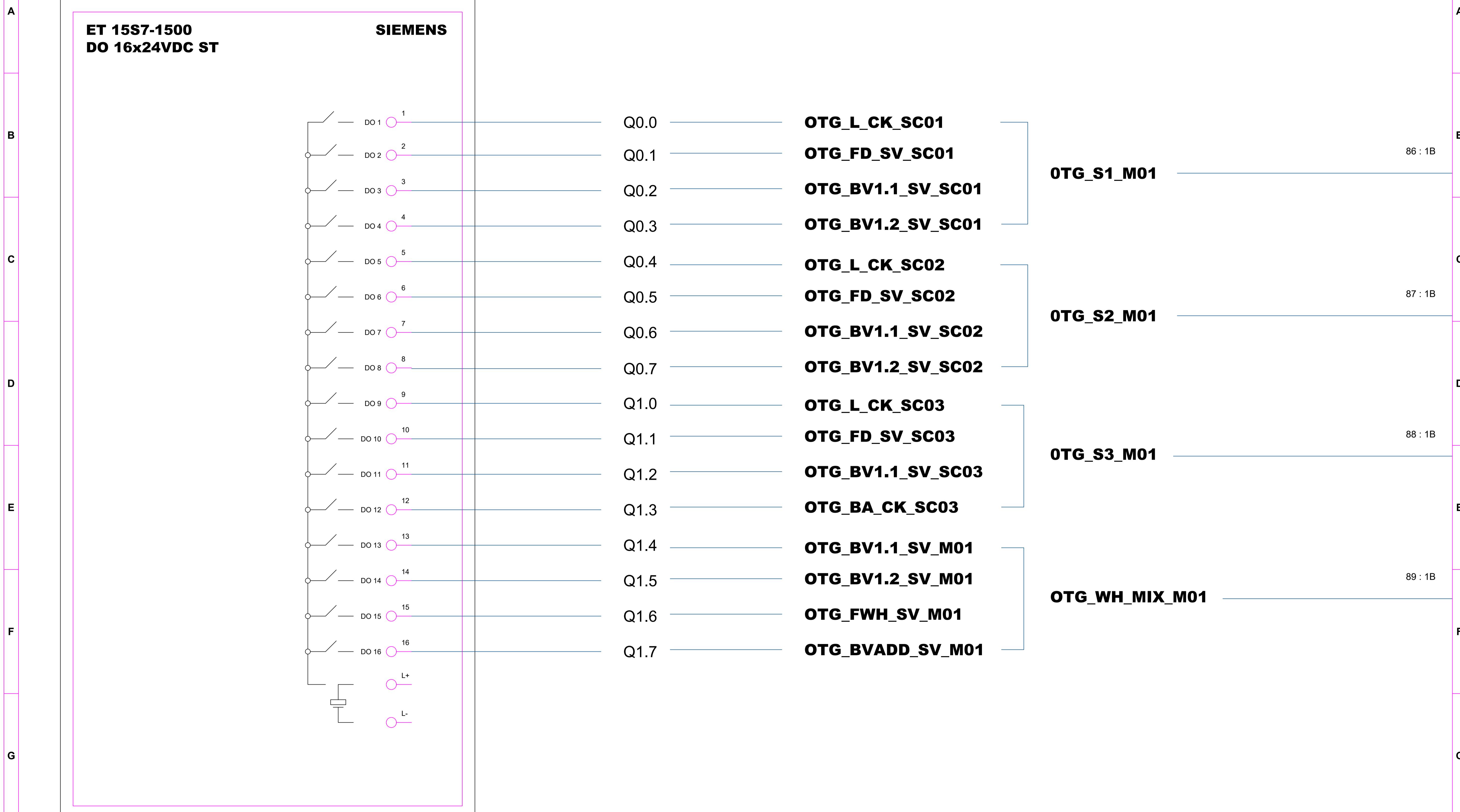
9

10

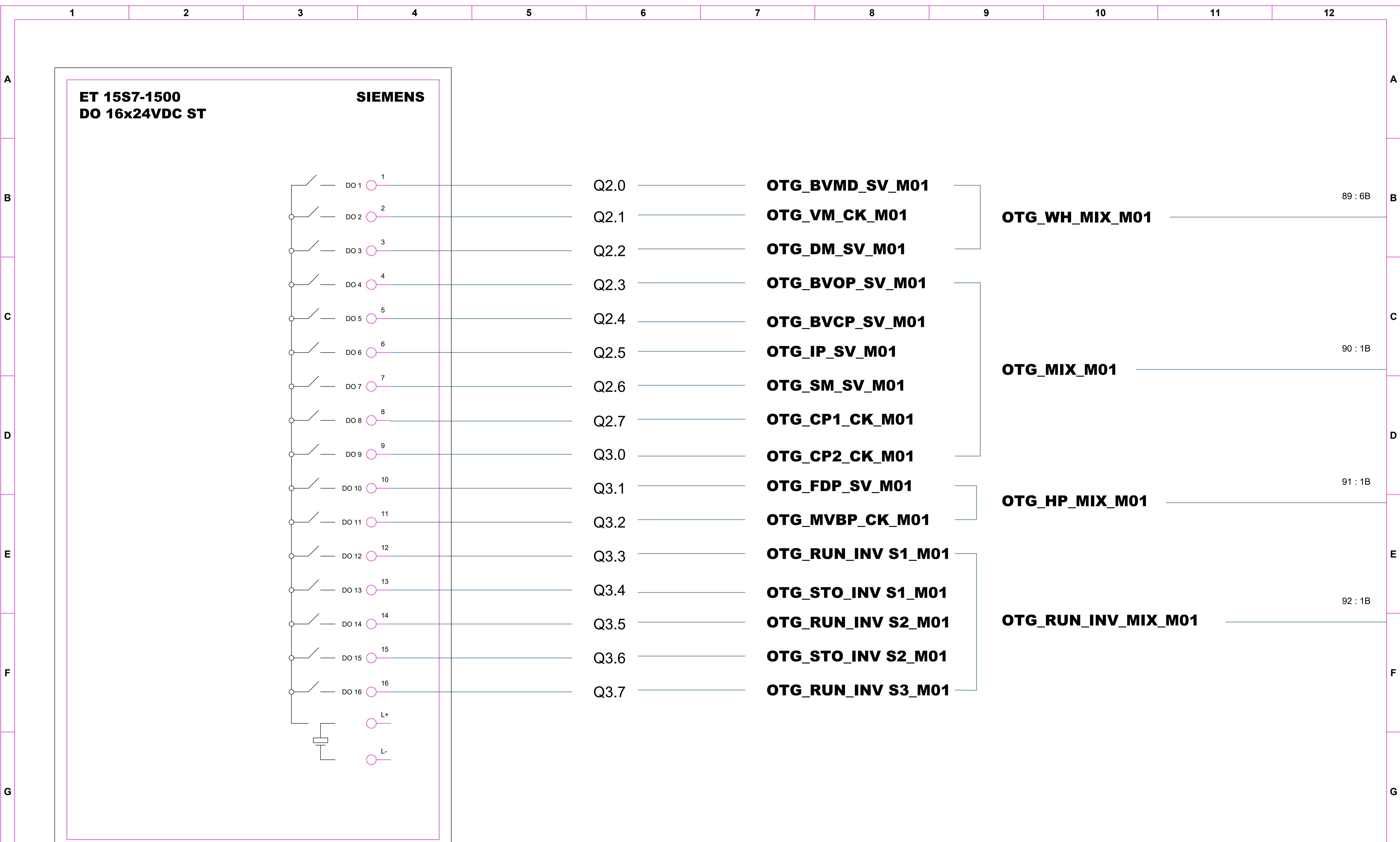
11

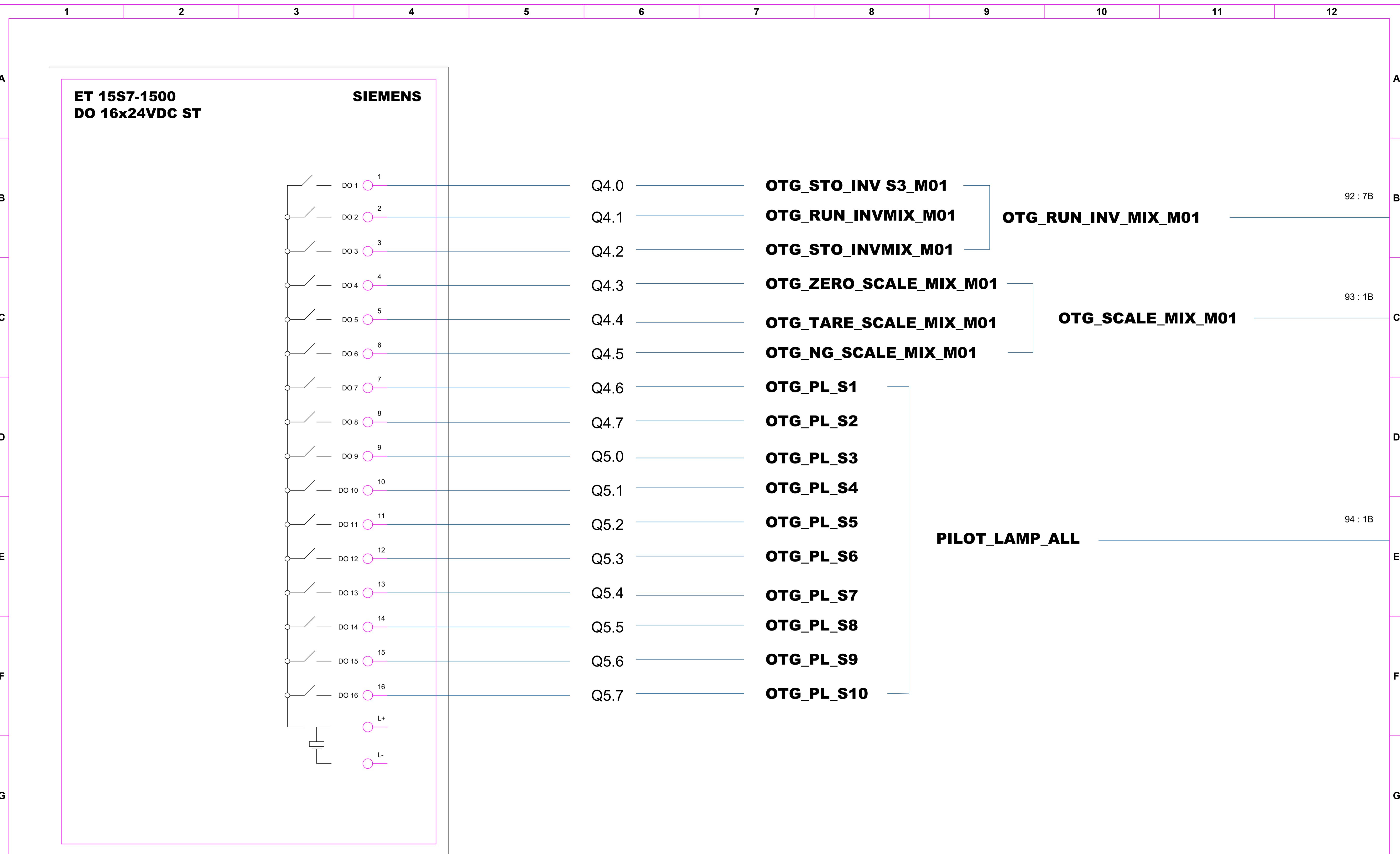
12

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

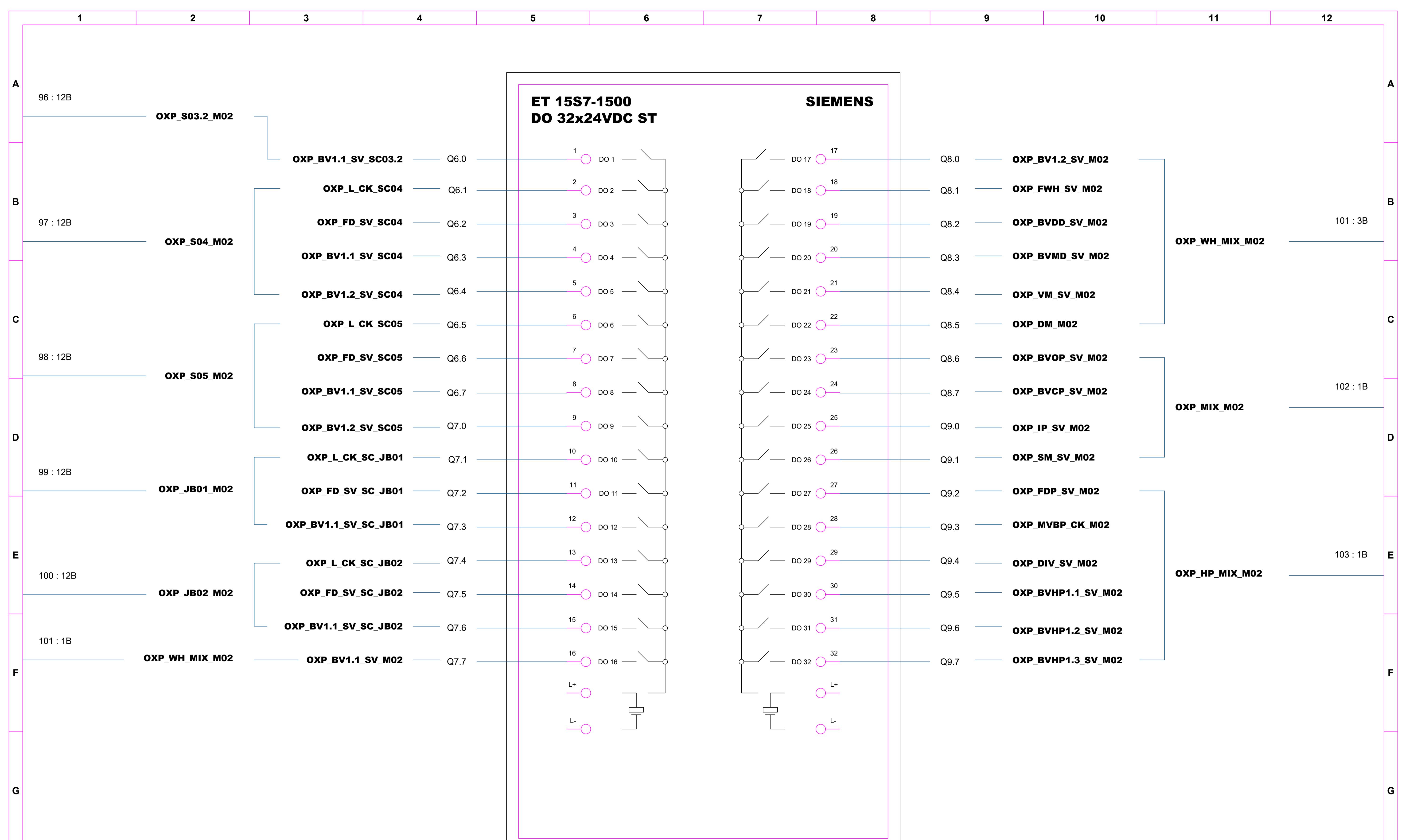


| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Digital Output 1 | Project Address Tile Grouting | | | | | | | | | | | | |
|------|------------|---------|-------|------------|-------------------------|--|----------------------------------|----------------------------------|-------------|---|---|---|---|---|---|---|---|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + | | | | | | | | | | | |
| | | | Appr. | | | | | | Sheet No.53 | | | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | 118 Sheet | | | | | | | | | | | |
| | | | | | | | | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |





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|---|------|------------|---------|-------|------------|-------------------------|--|-------|---------|-------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |   | Title | Project | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | | Appr. | | | | | | Sheet No.55 |
| | | | | Norm | | | | | | 118 Sheet |
| | | | | | | Wiring Control Panel | | | | |
| | | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | 10 | 11 | 12 | | | | |



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|---|-------------|-------------|----------------|--------------|----------------------|---|---|--------------|-------------------------|----|----|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN |   | Title | Project | | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | Digital Output 1 | | |
| | | | | Appr. | | | | | Pro-X Batching | | |
| | | | | Norm | Wiring Control Panel | | | | Sheet No.56 | | |
| | | | | | | | | | 117 Sheet | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |



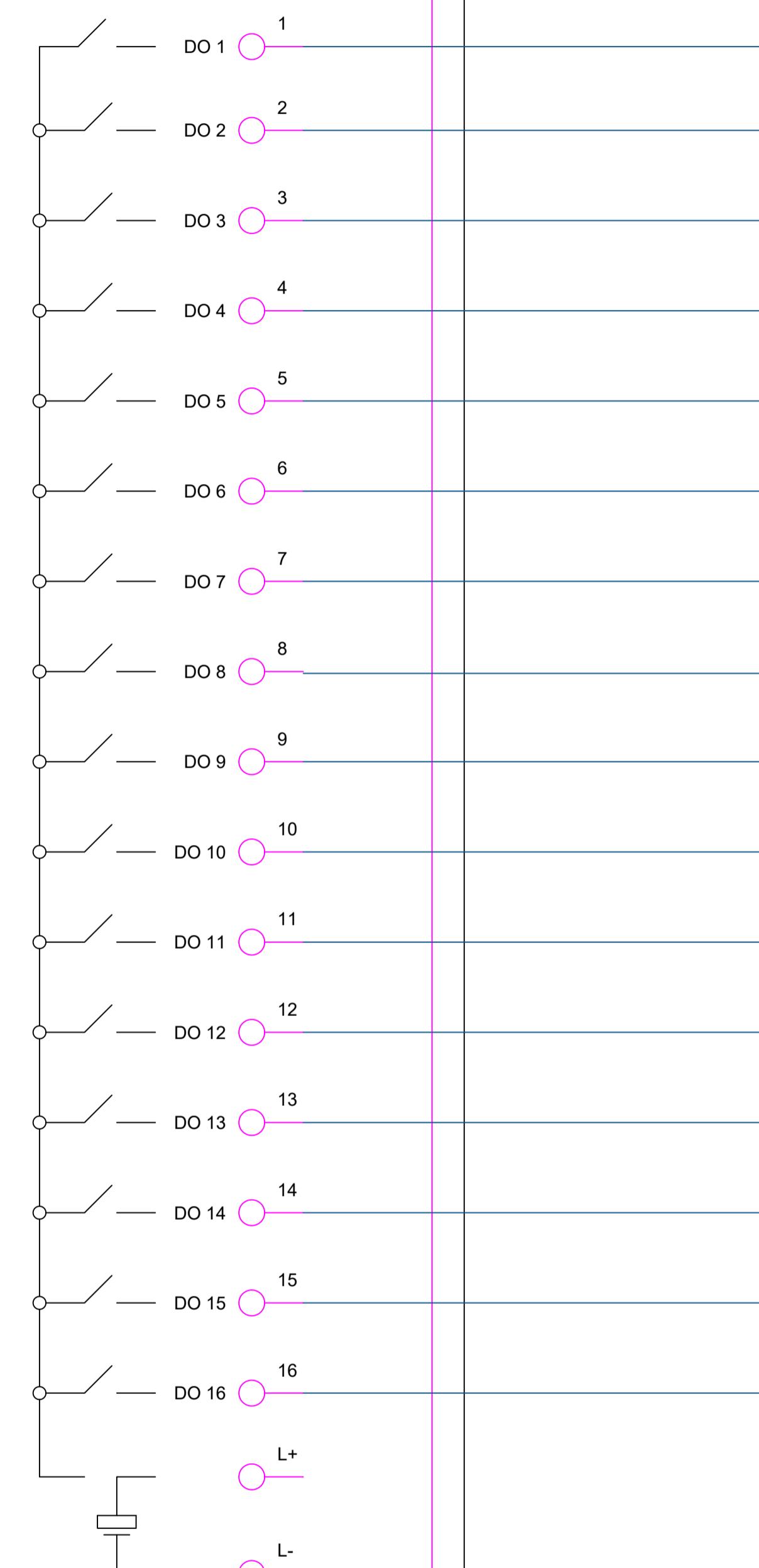
| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  | Title | Digital Output 2 | Project | | | |
|------|------------|---------|-------|------------|-------------------------|---|-------|------------------|---------|----|---------------|-----------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | |
| | | | Appr. | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | Pro-X Batching | | | + Sheet No.57 | 117 Sheet |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | H | |

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

109 : 1B

110 : 1B

111 : 1B

112 : 1B

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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title | Digital Output 1 | Project | | | |
|------|------------|---------|-------|------------|-------------------------|--|-------|-------------------------|---------|---------------------|-----------|-------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | |
| | | | Appr. | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | Non Sanded Batching | + | Sheet No.58 |
| | | | | | | | | | | | 117 Sheet | |

2 3 4 5 6 7 8 9 10 11 12

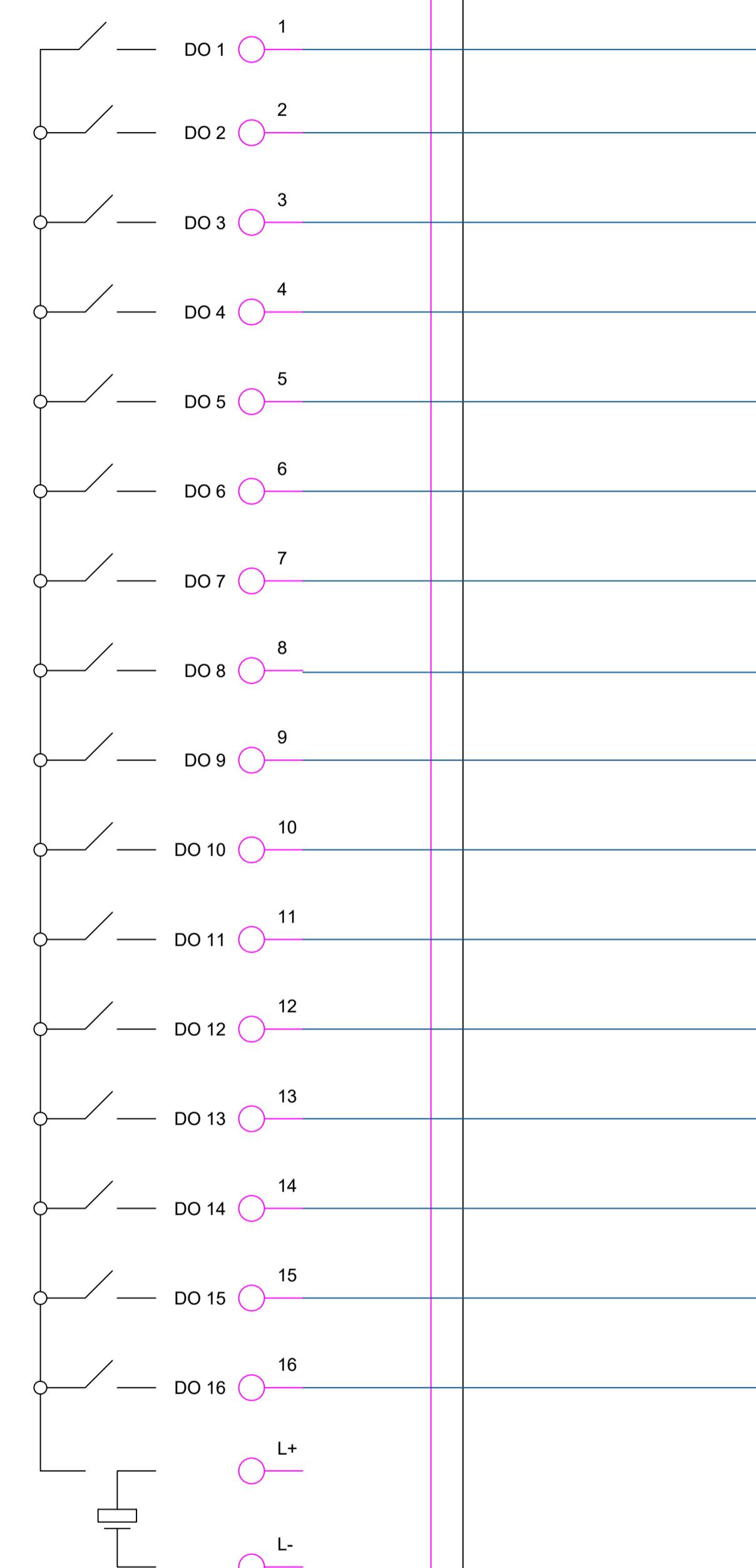
H

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

A

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

SIEMENS



Q16.0 Q16.1 Q16.2 Q16.3 Q16.4 Q16.5 Q16.6 Q16.7 Q17.0 Q17.1 Q17.2 Q17.3 Q17.4 Q17.5 Q17.6 Q17.7

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
ONS_BVOP_SV_M03
ONS_BVCP_SV_M03
ONS_IP_SV_M03
ONS_SM_SV_M03
ONS_MX3_OC1_KC_M03
ONS_MX3_OC2_KC_M03
ONS_MX3_OC3_KC_M03
ONS_FUH_SV_M03

ONS_WH_MIX_M03

113 : 1B

ONS_MIX_M03

114 : 1B

ONS_HP_MIX_M03

115 : 1B

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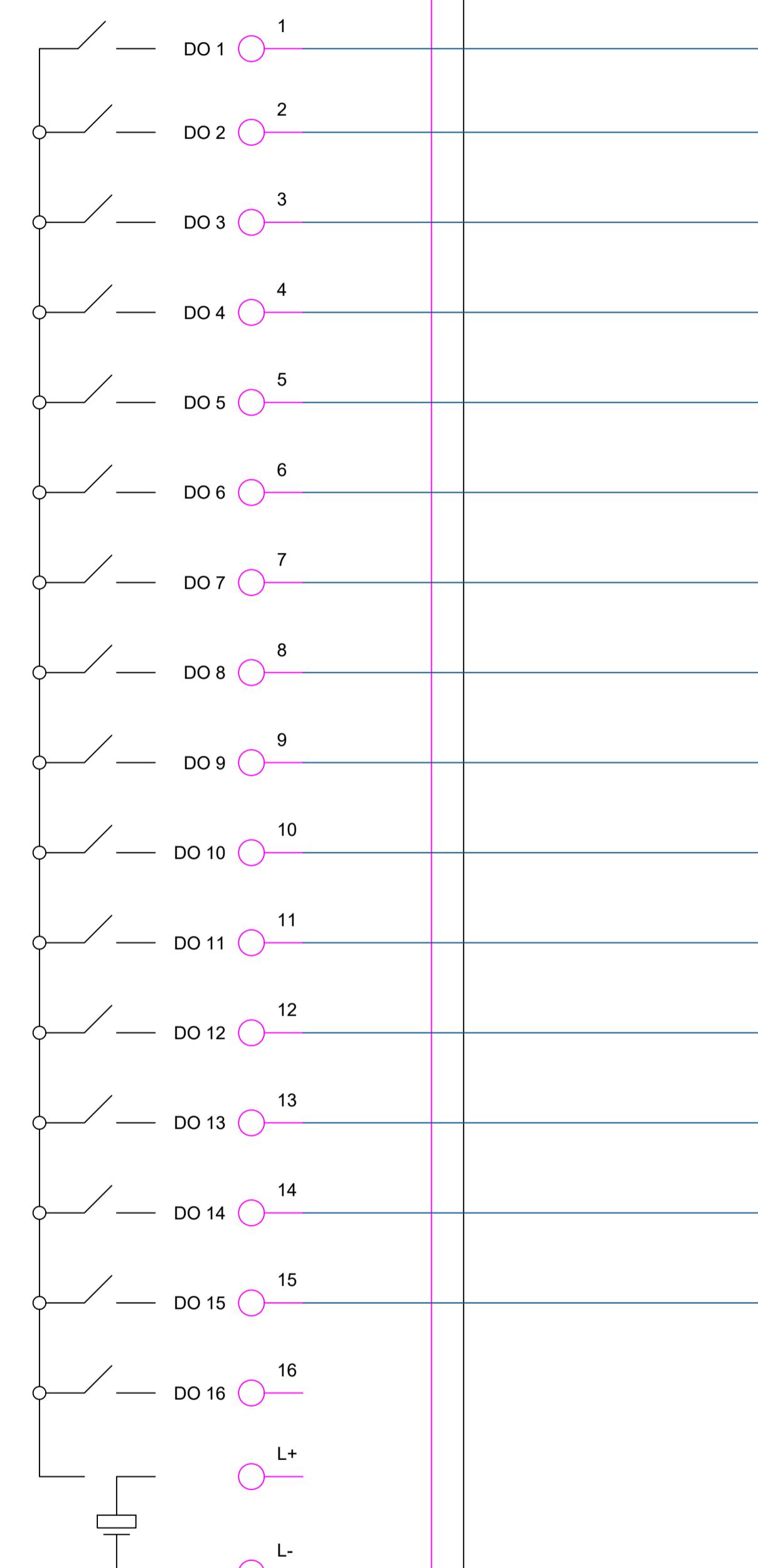
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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Title | Digital Output 2 | Project | | | |
|------|------------|---------|-------|------------|-------------------------|--|-------|-------------------------|---------|---------------------|--|--|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | |
| | | | Appr. | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | Non Sanded Batching | | |
| | | | | | | | | | | + | | |
| | | | | | | | | | | Sheet No.59 | | |
| | | | | | | | | | | 117 Sheet | | |

2 3 4 5 6 7 8 9 10 11 12

A

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

B

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

115 : 8B

B

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Title

Digital Output 4

Project

Non Sanded Batching

| Rev. | Date | Remarks | Date | Drawn | 17-10-2024 |
|------|------------|---------|------|-------|------------|
| 4 | 21-05-2025 | | | RAFLI | |
| | | | | Appr. | |
| | | | Norm | | |

P.T. CIPTA MORTAR UTAMA

Wiring Control Panel

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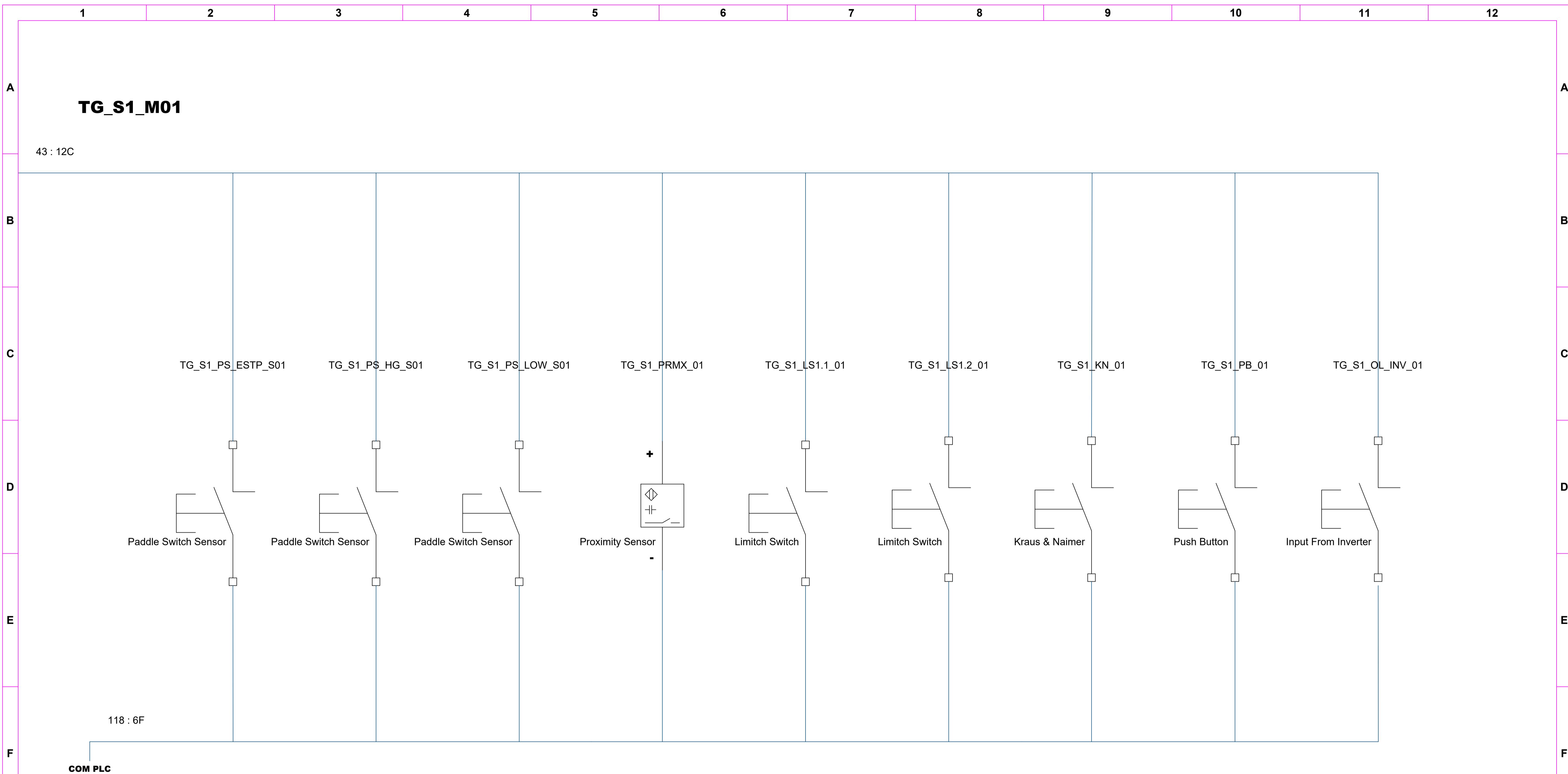
117 : 1B

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| |
|-------------|
| + |
| Sheet No.60 |
| 117 Sheet |



| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN |  WAMGROUP | Title Group TG_S1_M01 Address Tile Grouting Digital Input 1 | Project + Sheet No.61 118 Sheet |
|---|------|------------|---------|-------|----------------------|---|--|--|--|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | |
| | | | | Norm | Wiring Control Panel | | | | |

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

A A

TG_S2_M01

43 : 12E

44 : 12B

B B

C C

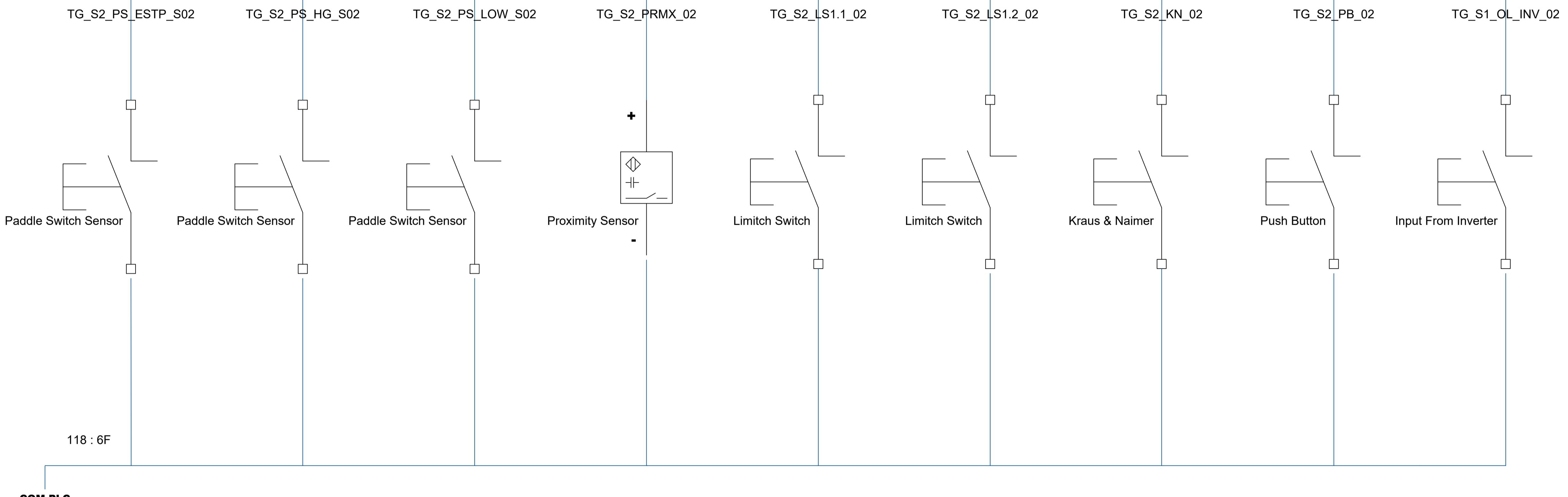
D D

E E

F F

G G

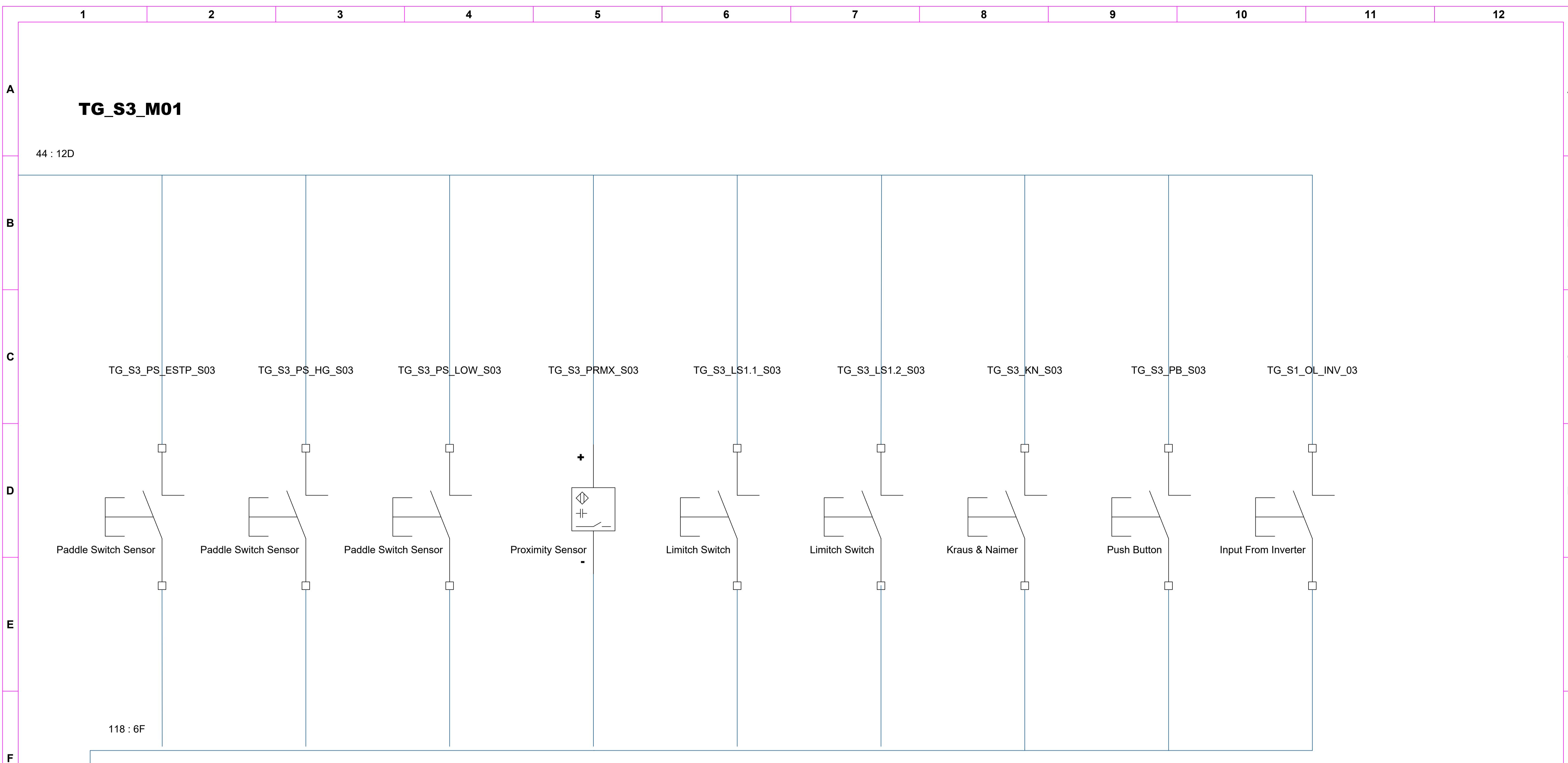
H H



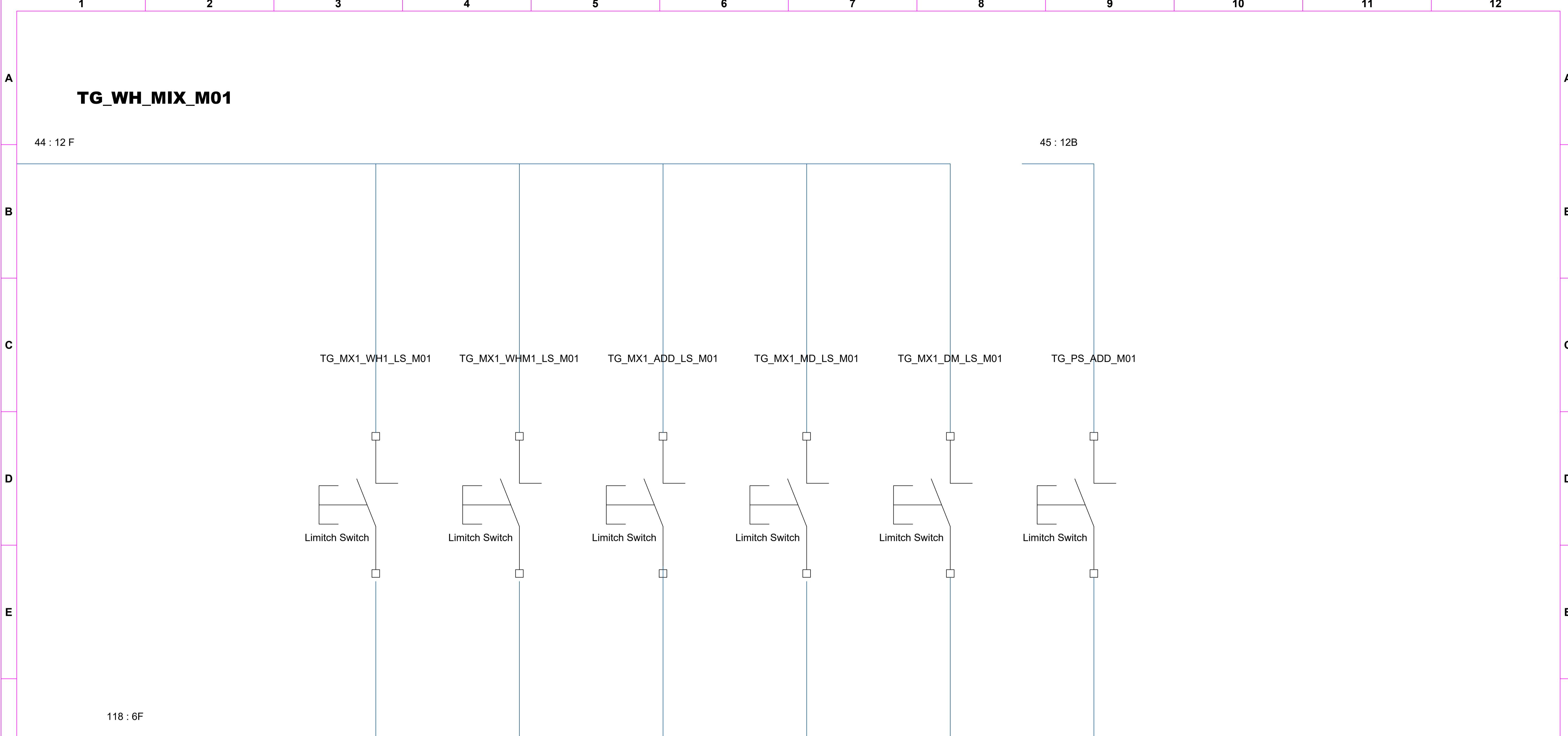
118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group TG_S2_M01 Digital Input 1 | Project Address Tile Grouting | |
|------|------------|---------|-------|------------|-------------------------|--|--|----------------------------------|--------------------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.62 |
| | | | Appr. | | | | | | 118 Sheet |
| | | | Norm | | Wiring Control Panel | | | | 2 3 4 5 6 7 8 9 10 11 12 |

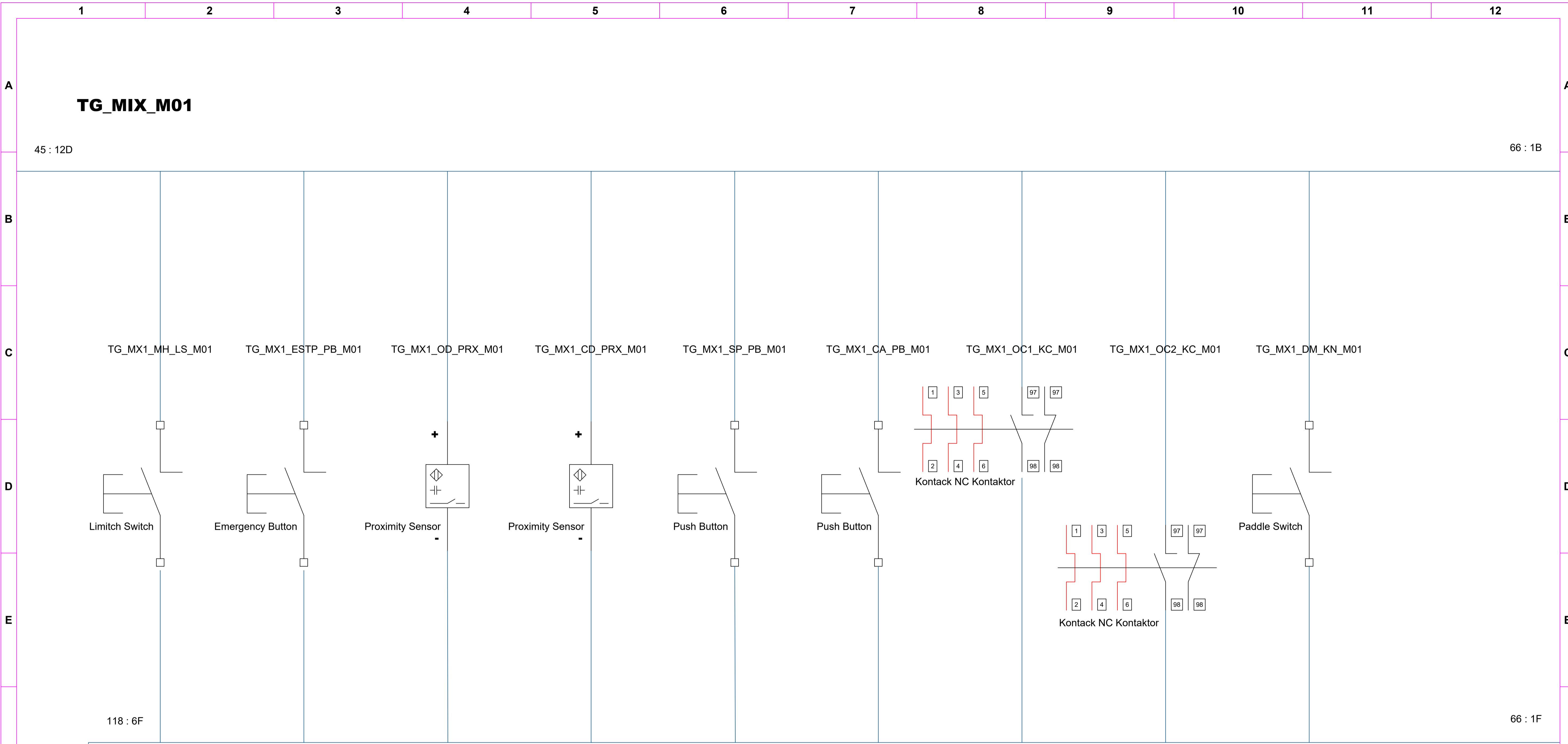


1 2 3 4 5 6 7 8 9 10 11 12



| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group TG_WH_MIX_M01 Digital Input 2 | Project Address Tile Grouting | | | | | | | |
|------|------------|---------|-------|------------|-------------------------|--|--|----------------------------------|------------------|---|-----------|---|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | | | | |
| | | | Appr. | | | | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | + Sheet No.64 | | 118 Sheet | | | | |
| | | | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

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



118 : 6F 66 : 1F

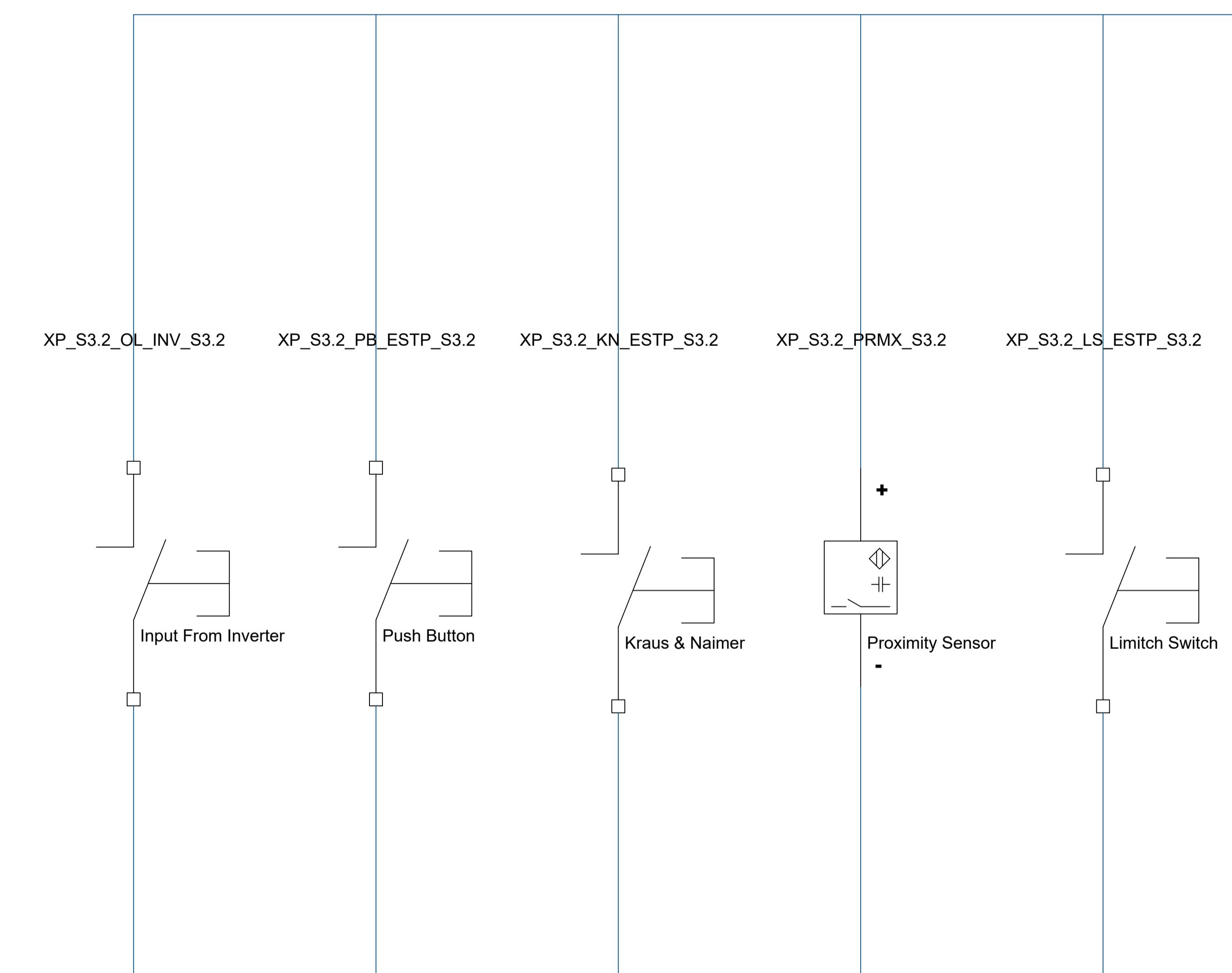
COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group TG_MIX_M01 Digital Input 3 | Project Address Tile Grouting | H | | | | | |
|------|------------|---------|-------|------------|-------------------------|--|---|----------------------------------|---|---|---|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | 2 | | | | | |
| | | | Appr. | | | | | | 3 | | | | | |
| | | | Norm | | Wiring Control Panel | | 4 | 5 | 6 | | | | | |
| | | | | | | | | | 7 | 8 | 9 | 10 | 11 | 12 |
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+
Sheet No.65
118 Sheet

| | | | | | | | | | | | |
|---|------|------------|---------|-------|------------|--|---|--|----|----|----|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Group TG_MIX_M01 Address Tile Grouting Digital Input 3 Wiring Control Panel | Project + Sheet No.66 118 Sheet | H | | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | |
| | | | | Appr. | | | | | | | |
| | | | | Norm | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

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|---|-------------|-------------|----------------|--------------|------------|---|--|---|--|--|-------------------------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN |  MU mortar utama SAINT-GOBAIN |  WAMGROUP | Title Group TG_HP_MIX_M01 Address Tile Grouting Digital Input 3 | Project Wiring Control Panel | H |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | + Sheet No.67 118 Sheet |
| | | | | Appr. | | | | | | | |
| | | | | Norm | | | | | | | |



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|---|------|------------|---------|-------|----------------------|-------------------------|--|---|-------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  Group XP_S3.2_M02 Digital Input 1 | Title Project WAMGROUP® | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | + |
| | | | | Appr. | | | | | Sheet No.68 |
| | | | | Norm | Wiring Control Panel | | | | 117 Sheet |

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

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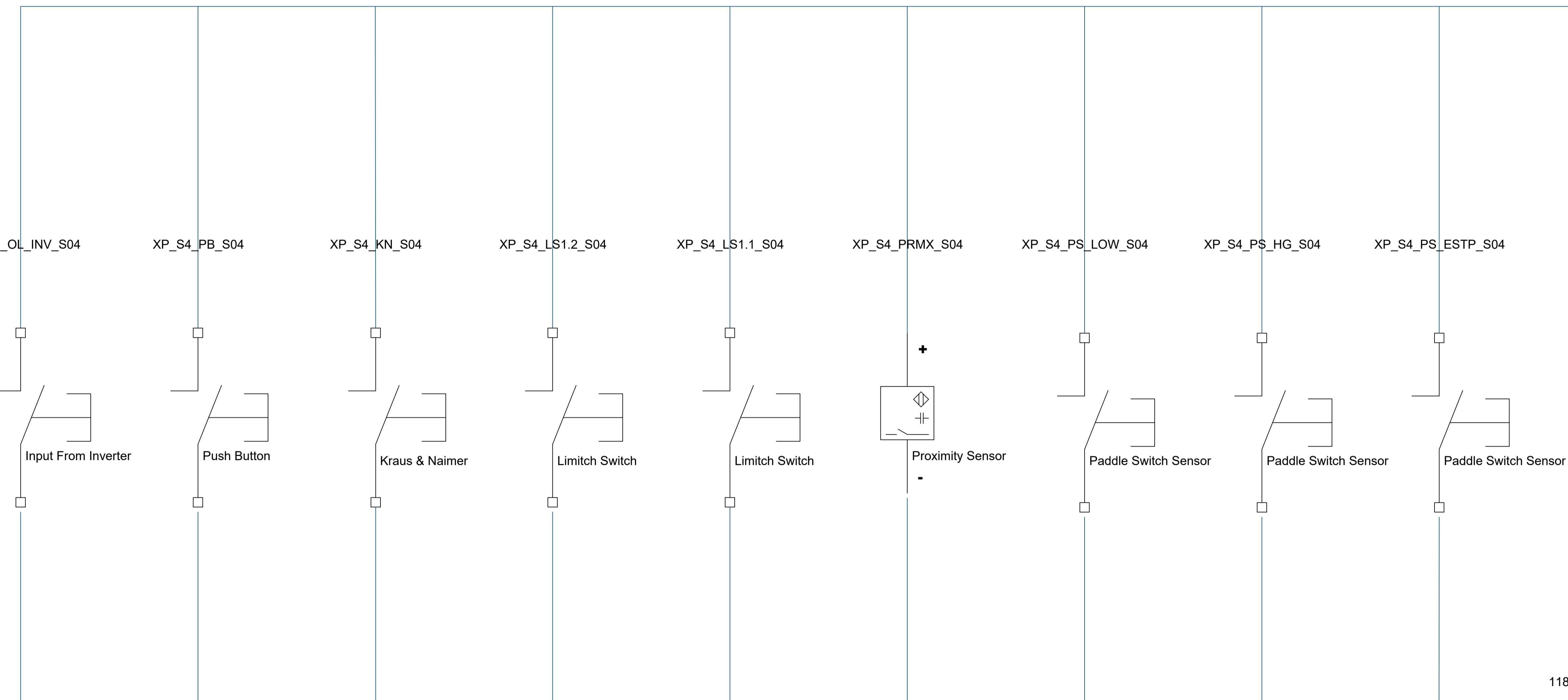
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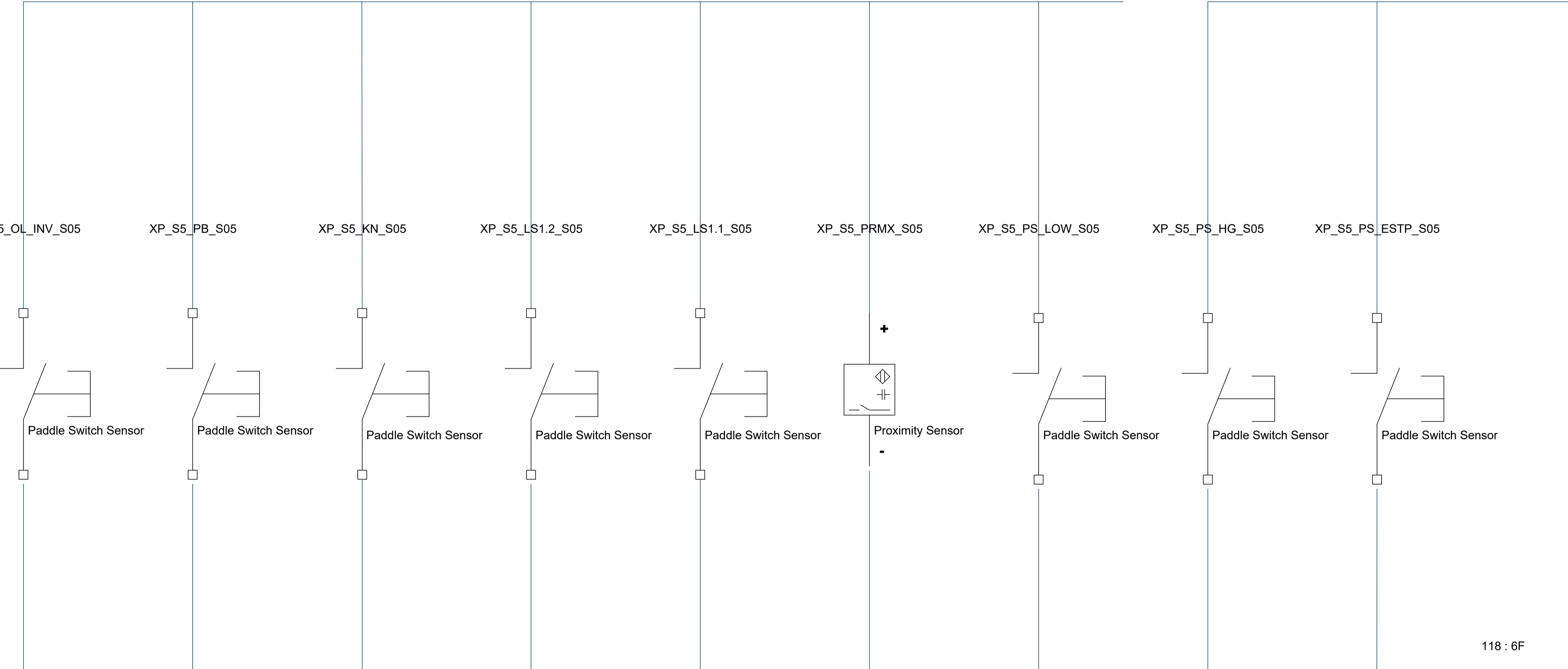
XP_S4_M02

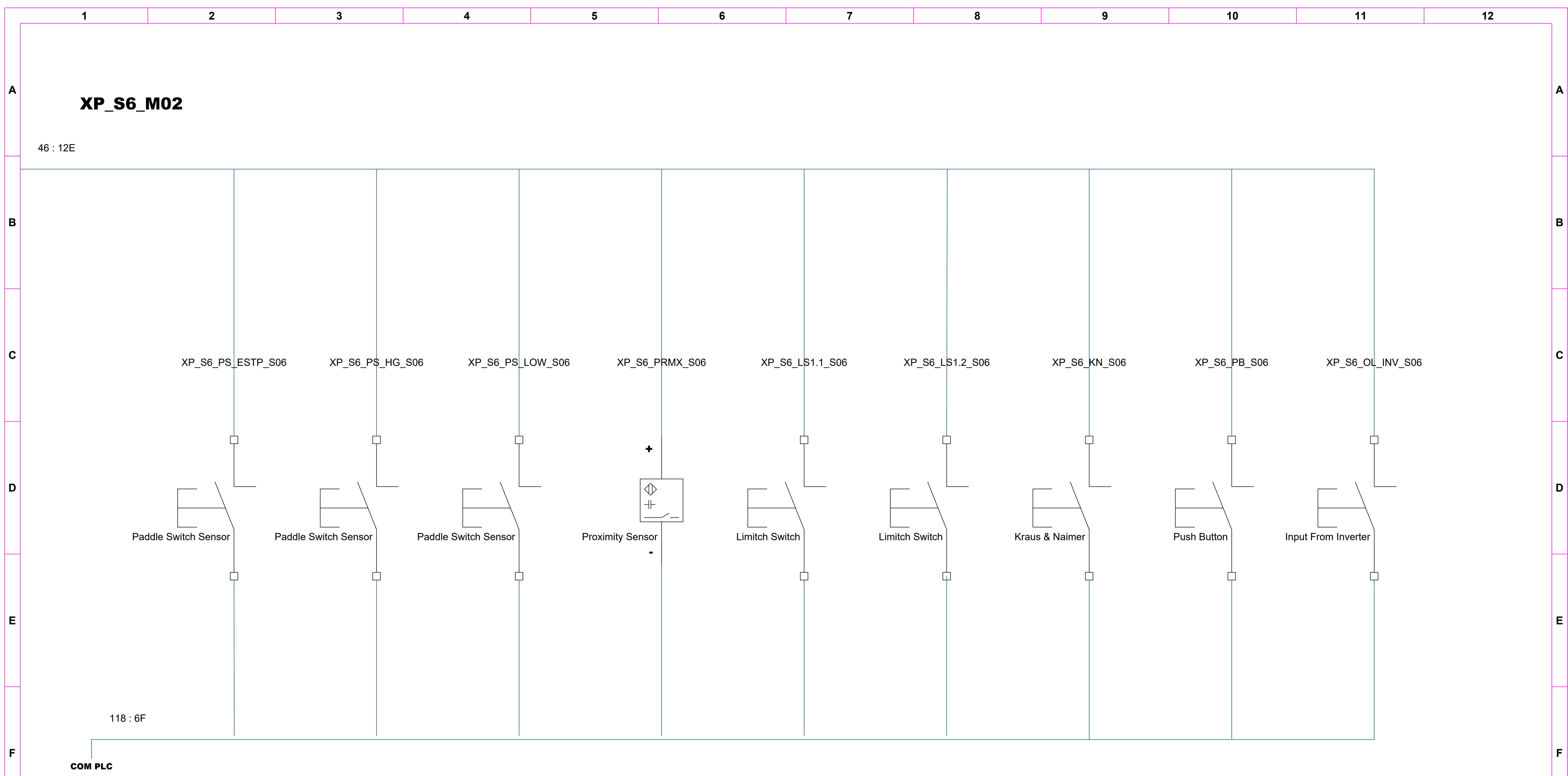
46 : 1D



| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group XP_S4_M02 Digital Input 1 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|--|--|---------------------------|------------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.69 |
| | | | Appr. | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | |
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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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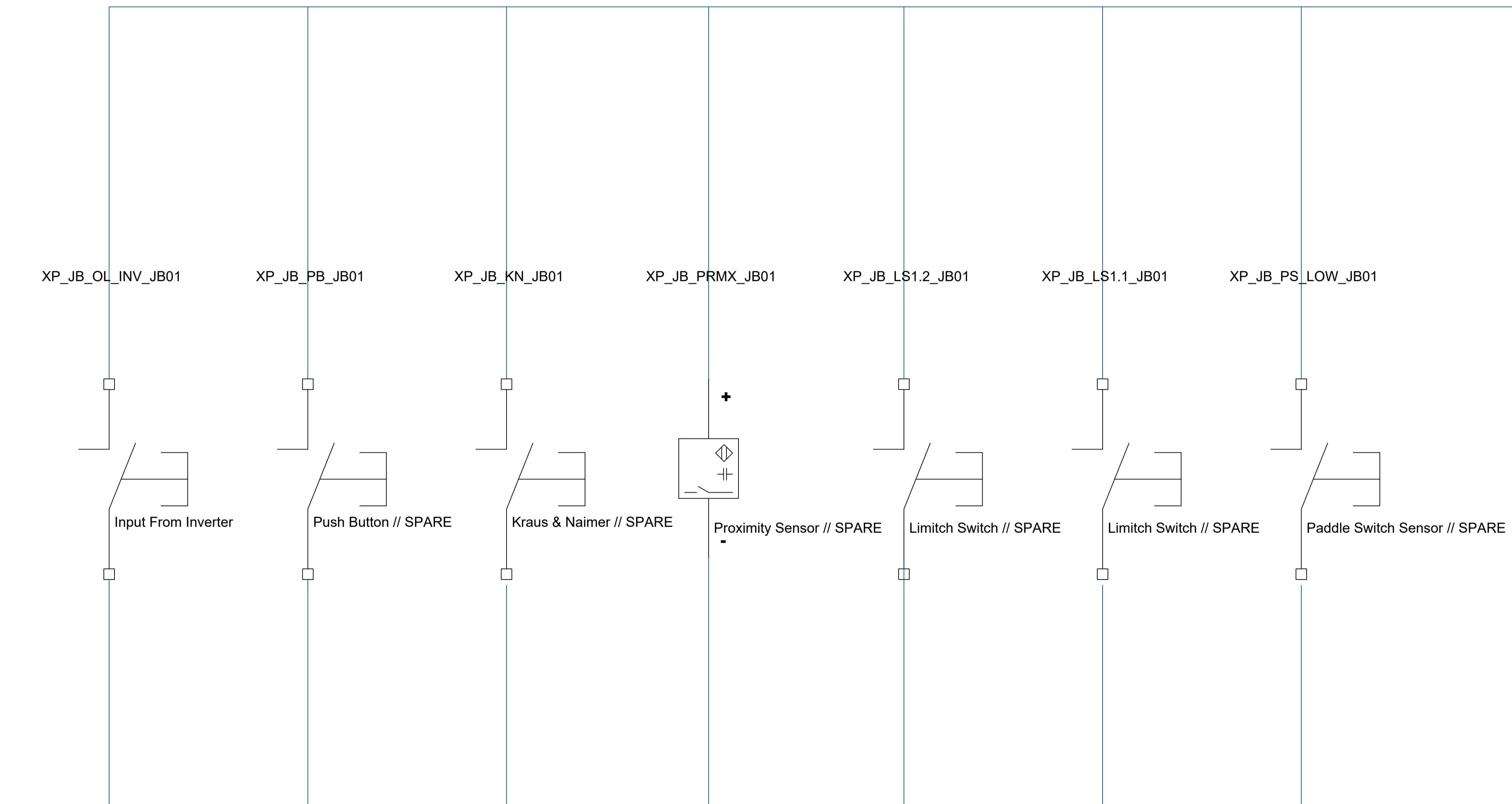
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XP_JB01_M02

47 : 1B



118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group XP_JB01_M02 Digital Input 2 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|--|--|---------------------------|-------------------------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | |
| | | | Appr. | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | + Sheet No.72 117 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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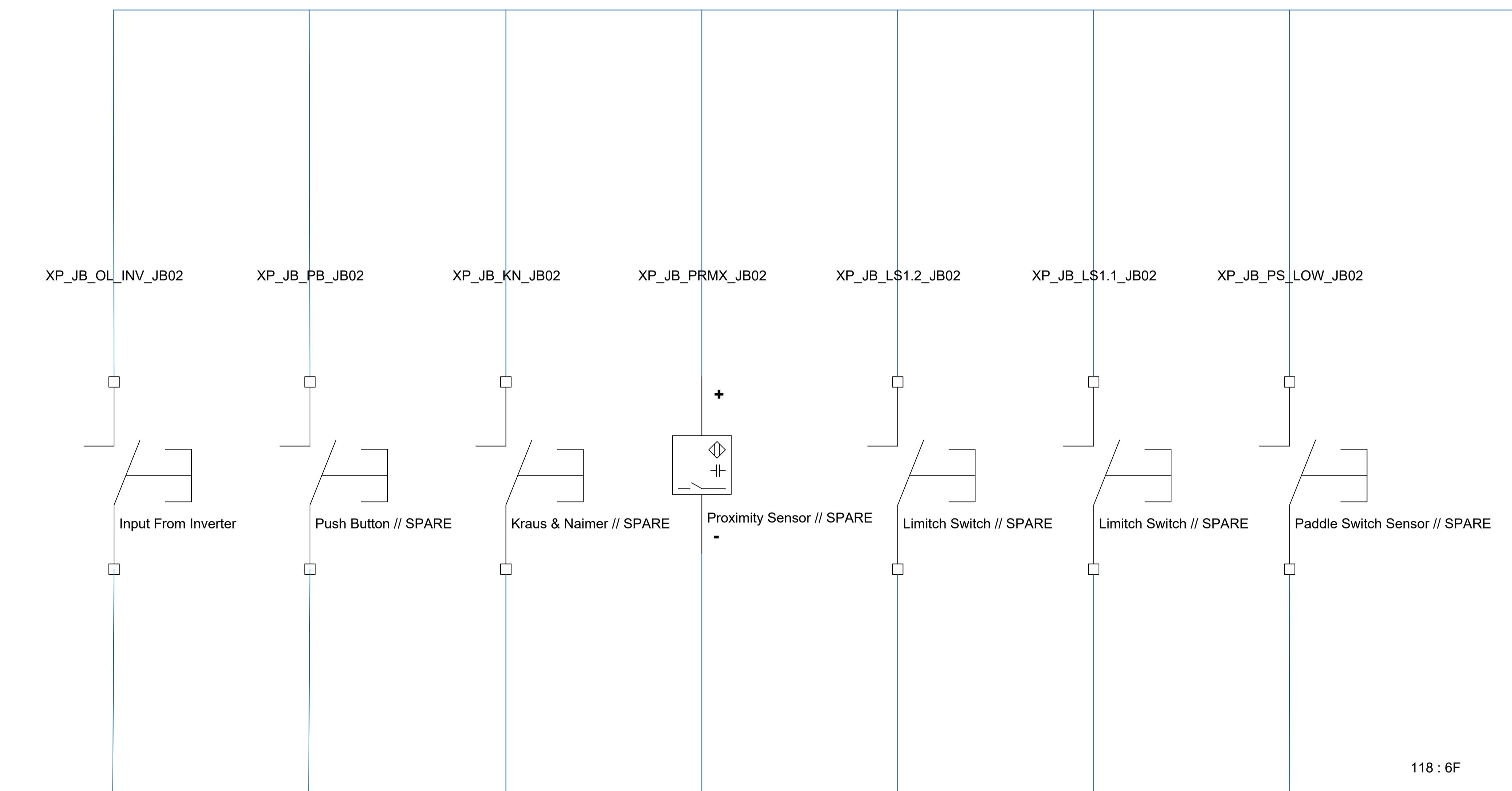
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XP_JB02_M02

47 : 1D



| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | MU mortar SAINT-GOBAIN | Title Group XP_JB02_M02 Digital Input 2 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|---------------------------|--|---------------------------|---------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.73 |
| | | | Appr. | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | |

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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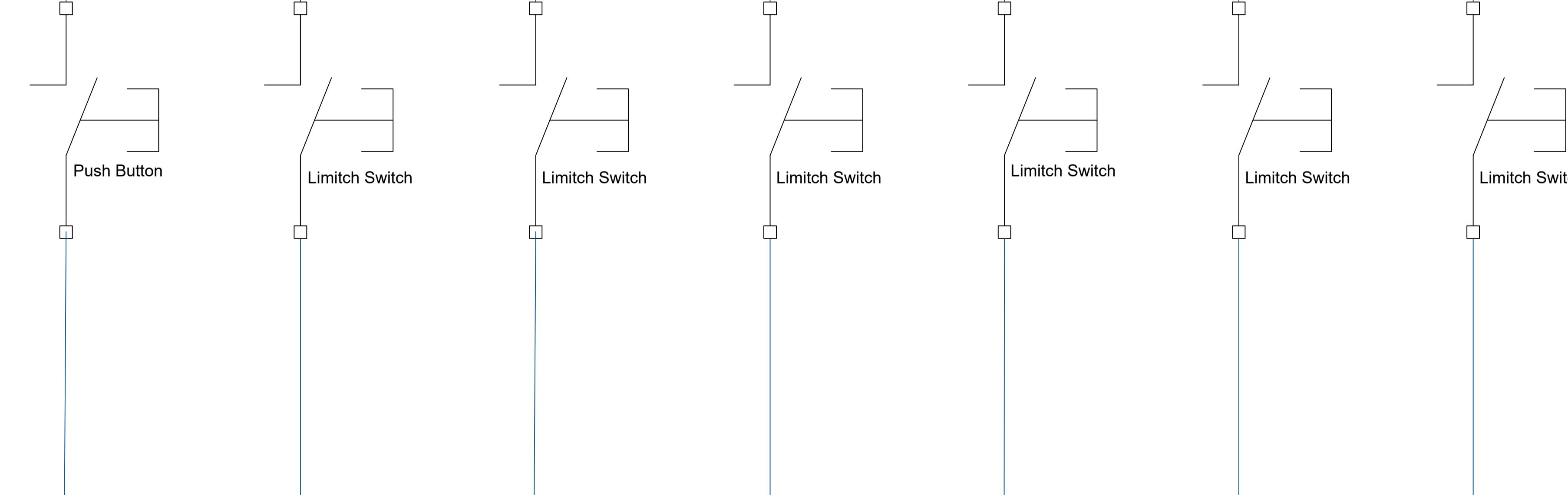
H

47 : 12B

XP_WH_MIX_M02

47 : 1F

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



118 : 6F

COM PLC



Title

Group XP_WH_MIX_M02
Digital Input 2



Project

Pro-X Batching

| |
|-------------|
| + |
| Sheet No.74 |
| 117 Sheet |

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Title Group XP_WH_MIX_M02 Digital Input 2 | Project Pro-X Batching |
|------|------------|---------|-------|------------|-------------------------|--|--|---------------------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | |
| | | | Appr. | | | | | |
| | | | Norm | | | | | |

Wiring Control Panel

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

47 : 12D

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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_DL_INV_M02

Limitch Switch

Limitch Switch

Push Button

Push Button

Kraus & Naimer

Push Button

Push Button

Input From Inverter

118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group XP_MIX_M02 Digital Input 2 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|--|---|---------------------------|-------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | Appr. | | | | | | Sheet No.75 |
| | | | Norm | | Wiring Control Panel | | | | 117 Sheet |

2 3 4 5 6 7 8 9 10 11 12

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

XP_HP_MIX_M02

47 : 12E

48 : 1B

B

A

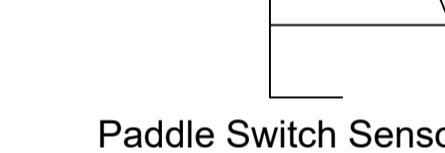
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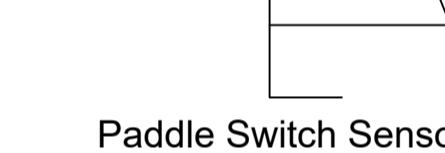
XP_MX2_SHIP_PS_M02 XP_MX2_SLHP_PS_M02 XP_MX2_SRD1_PRX_M02 XP_MX2_SRD2_PRX_M02 XP_MX2_LS1.1_PRX_M02 XP_MX2_LS1.2_PRX_M02

D

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Paddle Switch Sensor



Paddle Switch Sensor



Proximity Sensor



Proximity Sensor



Proximity Sensor



Proximity Sensor

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118 : 6F

COM PLC



Title

Group XP_HP_MIX_M02
Digital Input 2



Project

Pro-X Batching

+
Sheet No.76
117 Sheet

| Rev. | Date | Remarks | Date | 17-10-2024 | Drawn | RAFLI |
|------|------------|---------|-------|------------|-------|-------|
| 4 | 21-05-2025 | | Appr. | | | |
| | | | Norm | | | |

P.T. CIPTA MORTAR UTAMA
Wiring Control Panel

SAINT-GOBAIN

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

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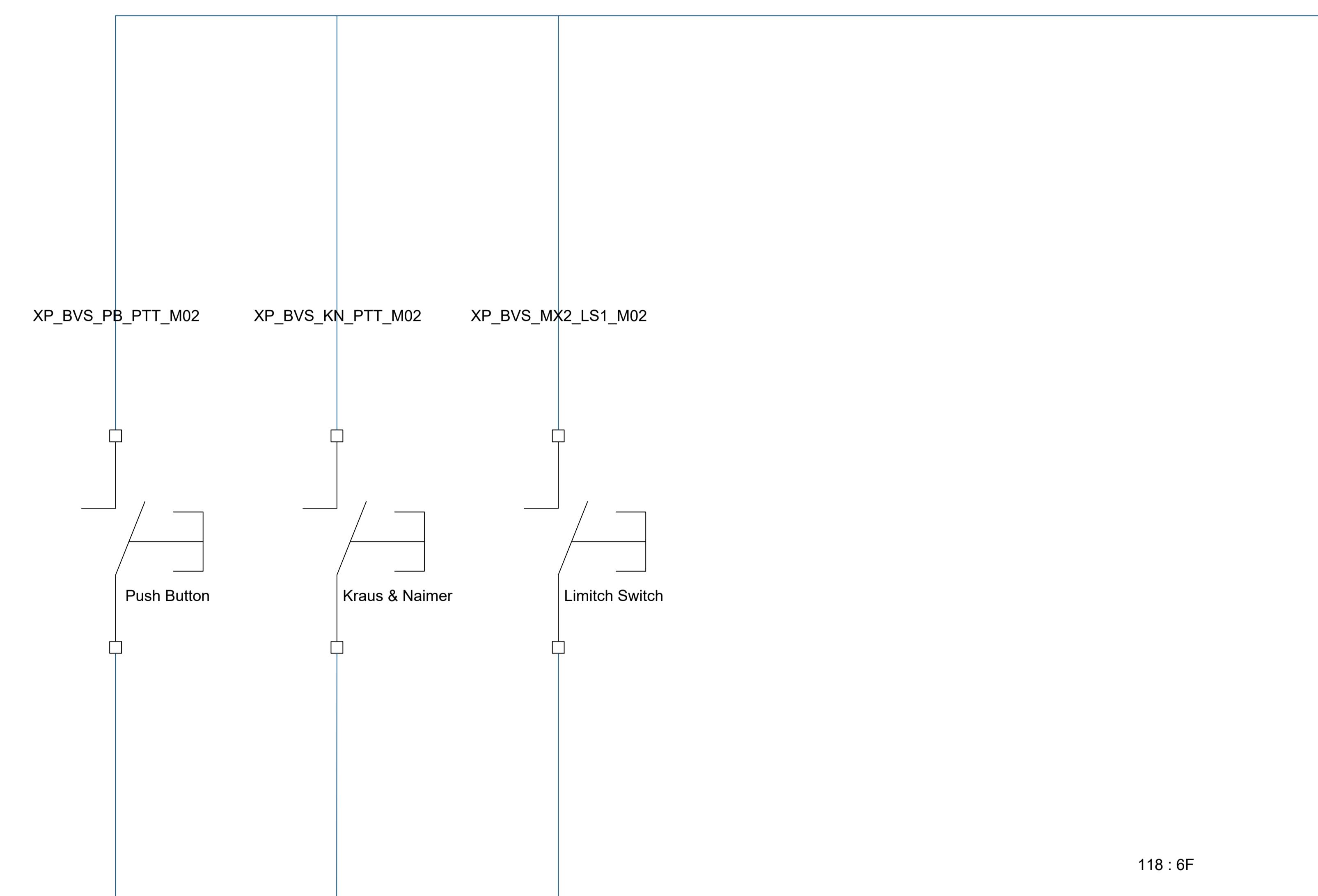
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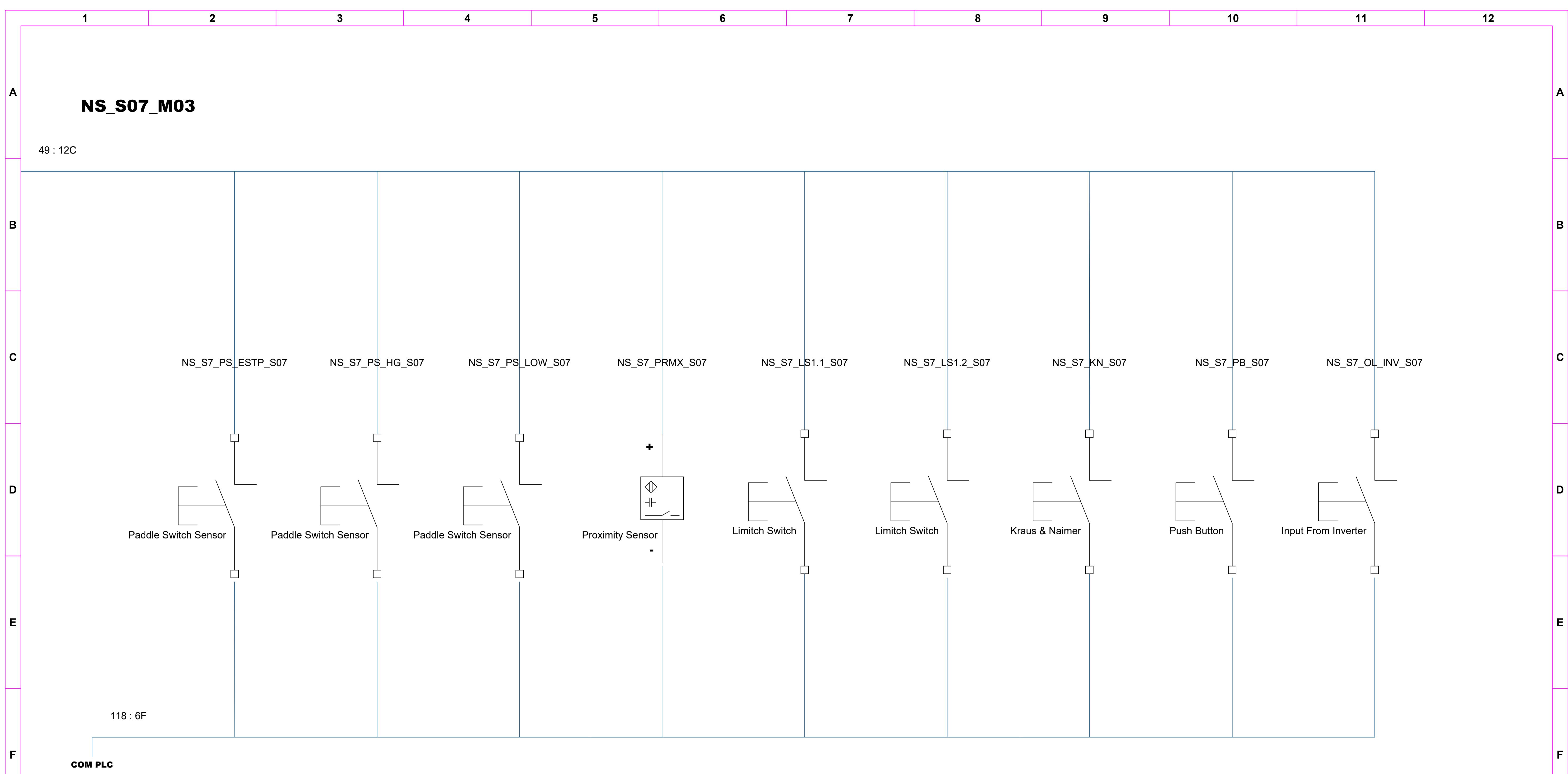
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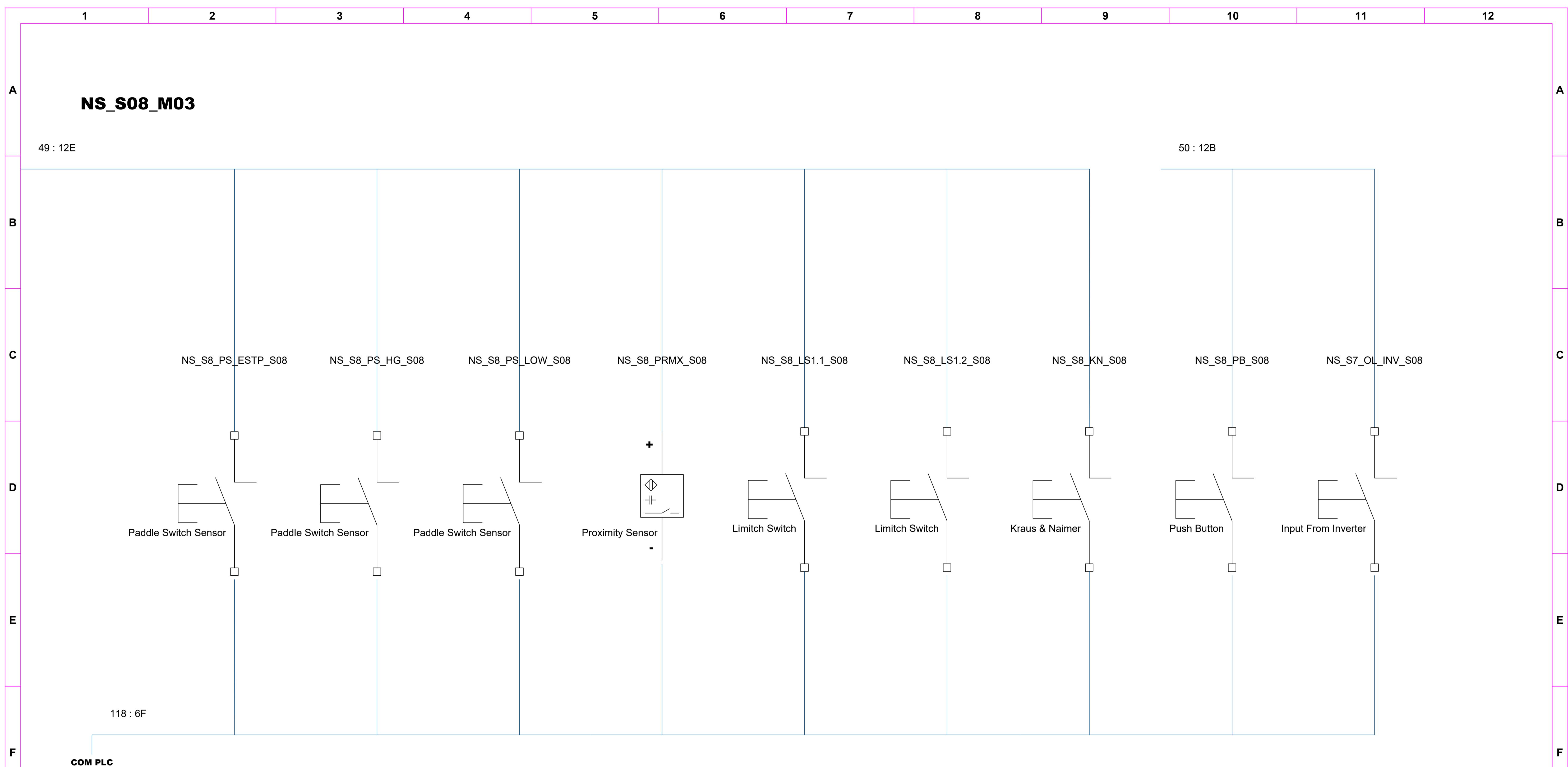


| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group XP_XTTG_MIX_M02 Digital Input 3 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|--|--|---------------------------|---------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.77 |
| | | | Appr. | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | |

2 3 4 5 6 7 8 9 10 11 12



| | | | | | | | | | |
|---|------|------------|---------|-------|------------|--|---|--|---|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Non Sanded Batching Digital Input 1 Wiring Control Panel | Project + Sheet No.78 117 Sheet | H |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | |
| | | | | Norm | | | | | |



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| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Non Sanded Batching Digital Input 1 Wiring Control Panel | Project + Sheet No.79 117 Sheet | H |
| 4 | 21-05-2025 | | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | |
| | | | | Norm | | | | | |

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

NS_S09_M03

50 : 12B

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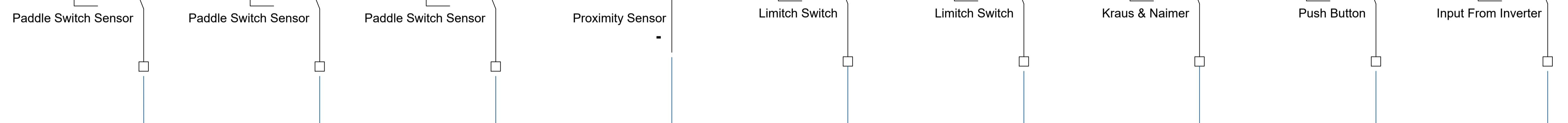
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NS_S9_PS_ESTP_S09 NS_S9_PS_HG_S09 NS_S9_PS_LOW_S09 NS_S9_PRMX_S09 NS_S9_LS1.1_S09 NS_S9_LS1.2_S09 NS_S9_KN_S09 NS_S9_PB_S09 NS_S7_OI_INV_S09



118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group NS_S09_M03 Digital Input 2 | Project Non Sanded Batching | |
|------|------------|---------|-------|------------|-------------------------|--|--|--------------------------------|-------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | Appr. | | | | | | Sheet No.80 |
| | | | Norm | | Wiring Control Panel | | | | 117 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_S10_M03

50 : 12F

51 : 12B

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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

D

C

Paddle Switch Sensor Paddle Switch Sensor Paddle Switch Sensor

Proximity Sensor

Limitch Switch

Limitch Switch

Kraus & Naimer

Push Button

Input From Inverter

E

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118 : 6F

F

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COM PLC

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Group NS_S10_M03
Digital Input 2

Title
Project

Non Sanded Batching

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Group NS_S10_M03 Digital Input 2 | Project | Non Sanded Batching | Sheet No.81 | 117 Sheet |
|------|------------|---------|-------|------------|-------------------------|--|--|----------------|---------------------|-------------|-----------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | |
| | | | Appr. | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | | |

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

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

NS_WH_MIX_M03

51 : 12D

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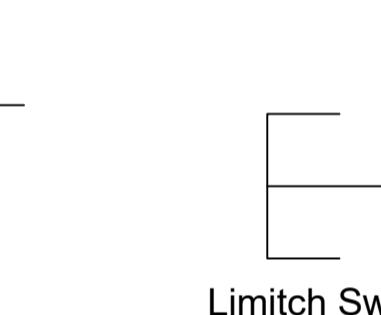
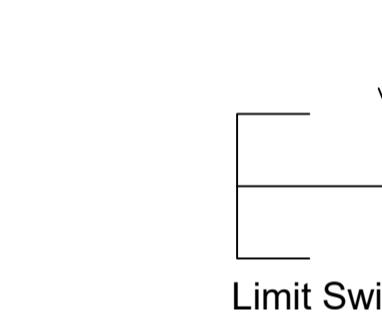
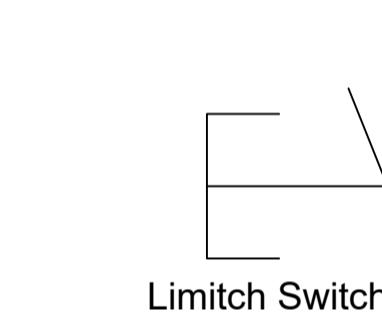
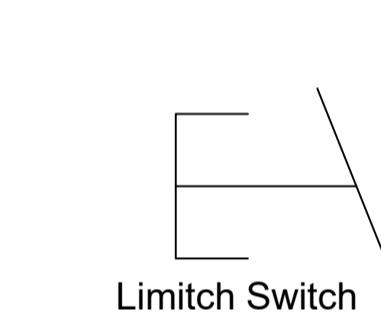
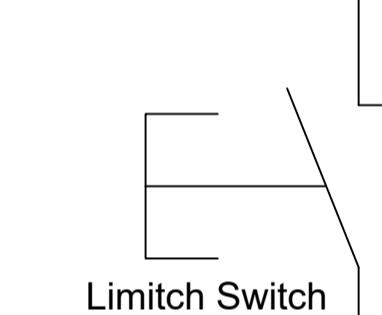
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NS_MX3_WH3_LS_M03 NS_MX3_WHM3_LS_M03 NS_MX3_ADD_LS_M03 NS_MX3_MD_LS_M03 NS_MX3_DM_LS_M03



118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | Drawn | Appr. | Norm | P.T. CIPTA MORTAR UTAMA | AMU mortar utama SAINT-GOBAIN | Title | Project | |
|------|------------|---------|------|-------|-------|------|-------------------------|----------------------------------|--|---------------------|---|
| 4 | 21-05-2025 | | | RAFLI | | | | | Group NS_WH_MIX_M03 Digital Input 3 | Non Sanded Batching | + |
| | | | | | | | | | | Sheet No.82 | |
| | | | | | | | | | | 117 Sheet | |

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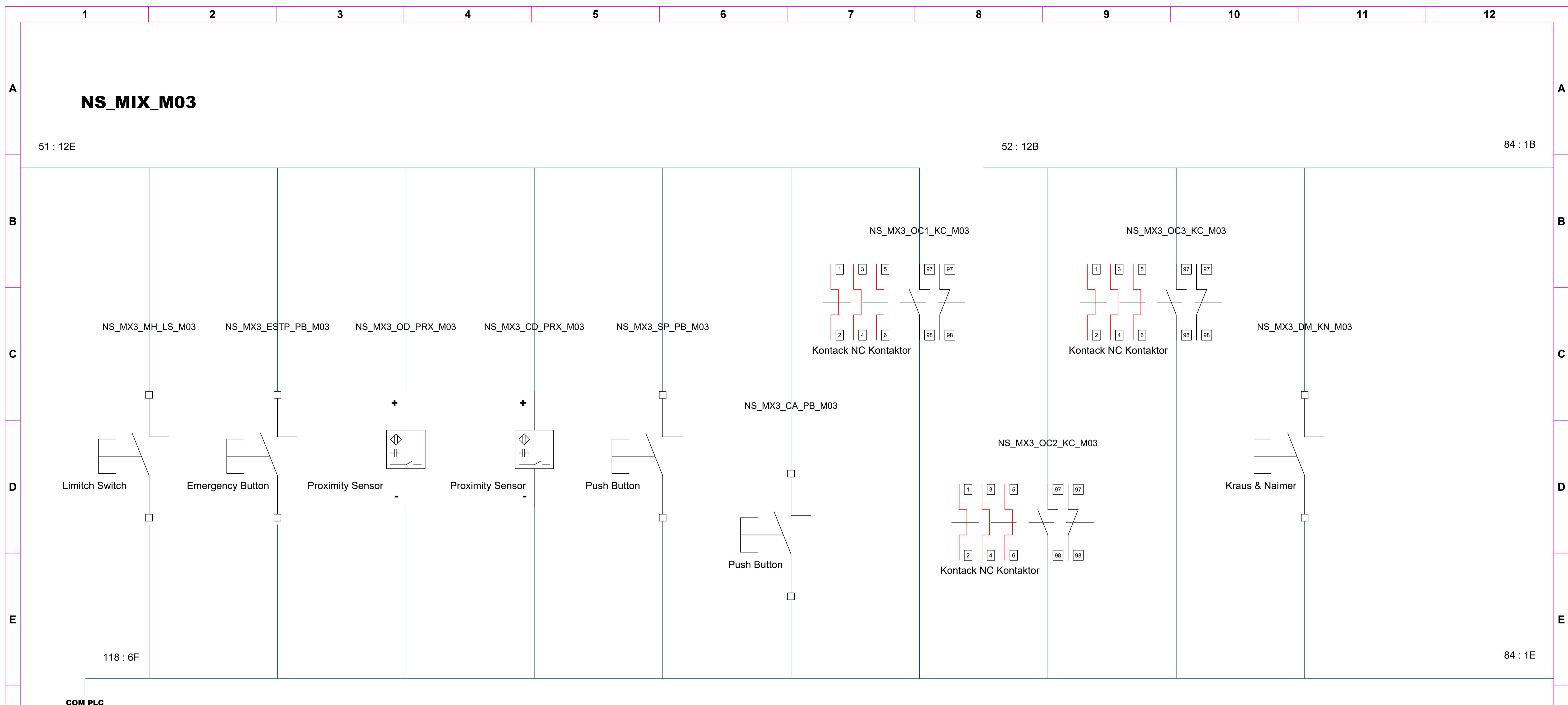
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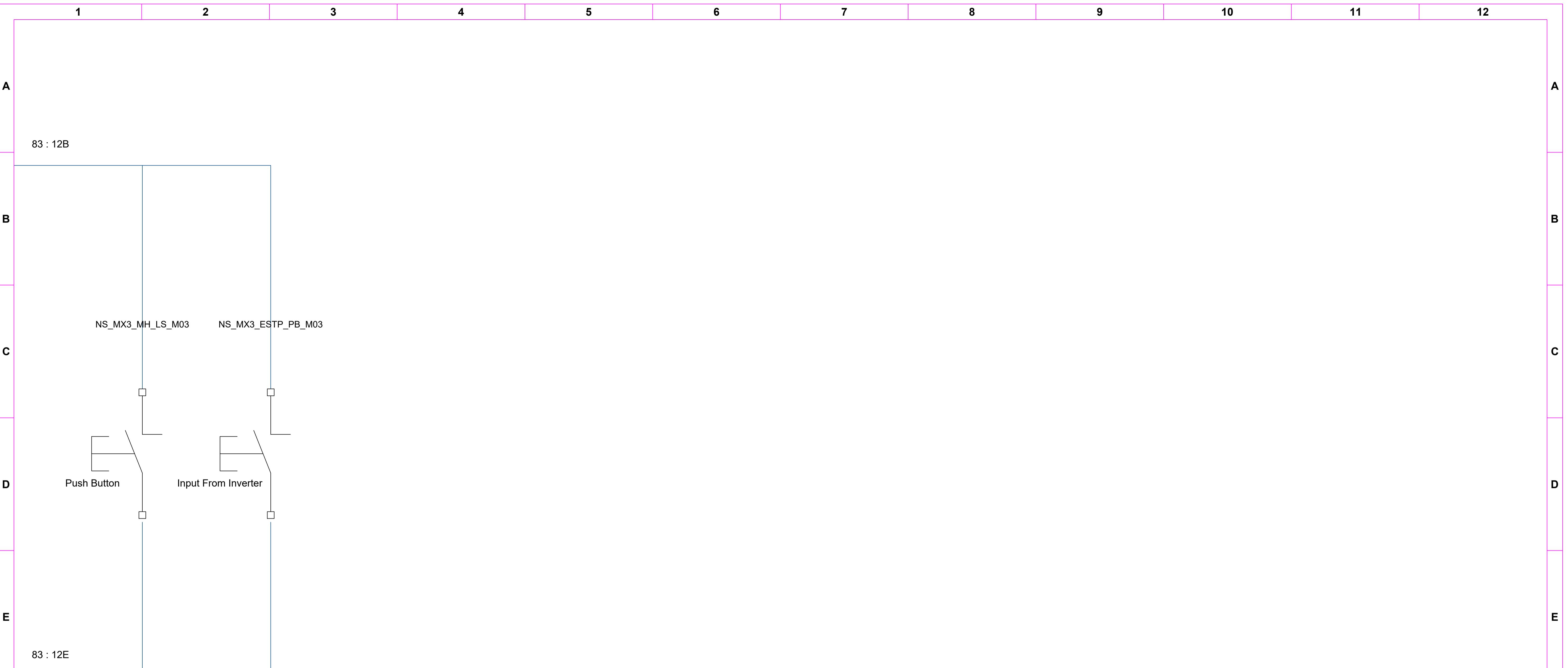
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| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group NS_MIX_M03 Digital Input 3 | Project Non Sanded Batching | | | | |
|---|------------|------|---------|-------|----------------------|-------------------------|--|---|--------------------------------|-----------|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | + | | | | | | | | |
| | | | Appr. | | Sheet No.84 | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | 117 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_HP_MIX_M03

52 : 12D

B

NS_MX3_SLHP_PS_M03

NS_MX3_SBVUP1.2_PS_M03

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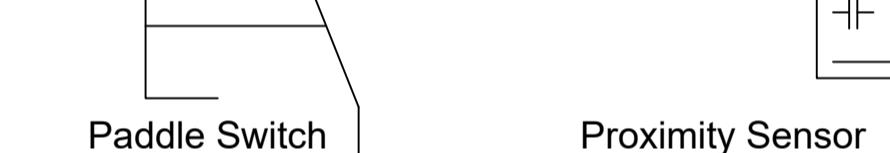
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NS_MX3_BVUP1.1_PS_M03

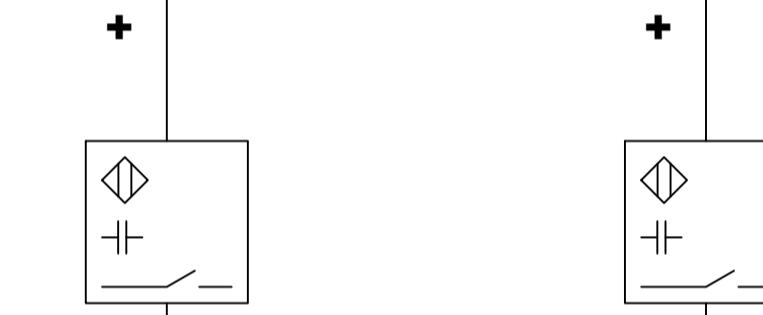
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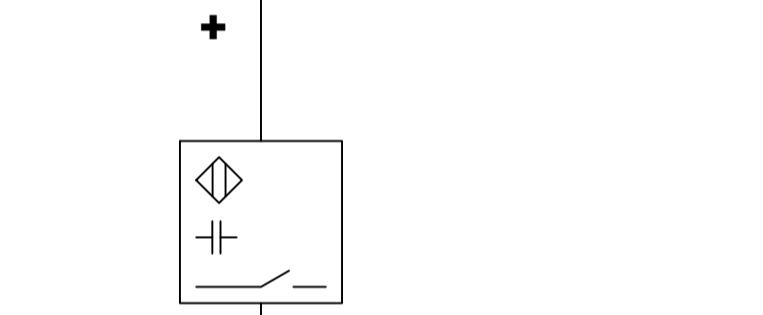
Paddle Switch



Paddle Switch



Proximity Sensor



Proximity Sensor

E

118 : 6F

F

COM PLC

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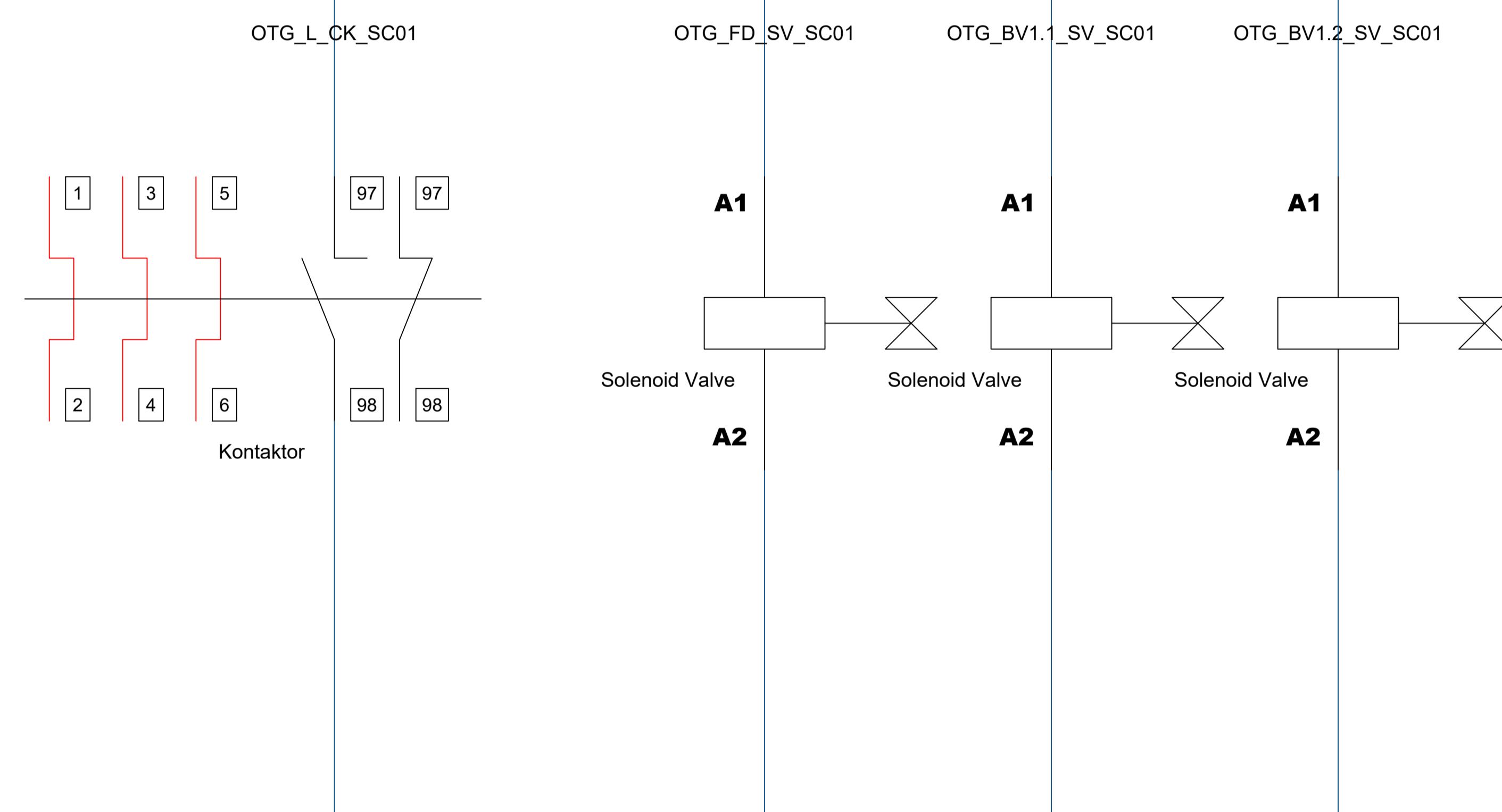
| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | WAMGROUP | Title Group NS_HP_MIX_M03 Digital Input 3 | Project Non Sanded Batching | |
|------|------------|---------|-------|------------|-------------------------|----------|--|--------------------------------|---------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.85 |
| | | | Appr. | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | |

2 3 4 5 6 7 8 9 10 11 12

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

OTG_S1_M01

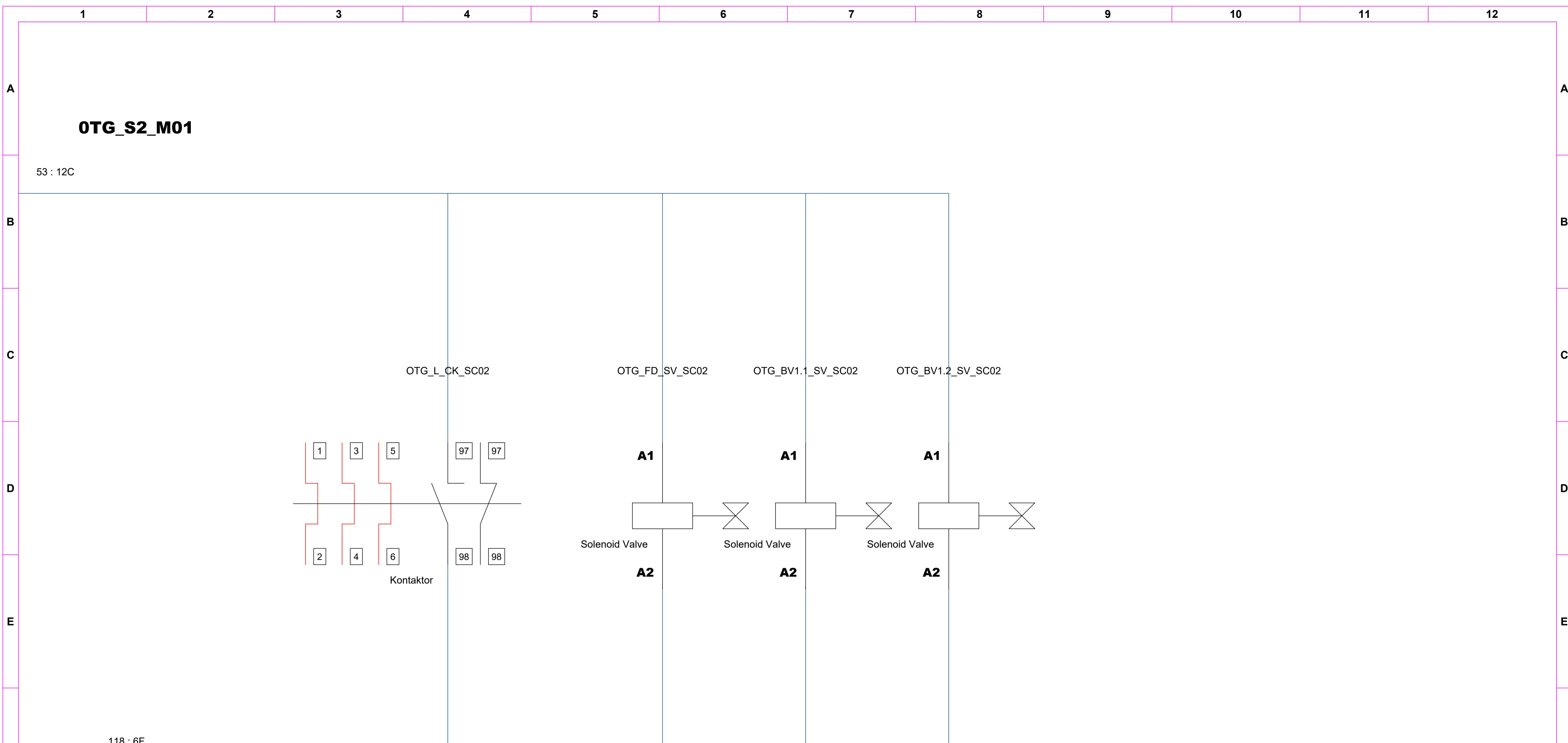
53 : 12 B



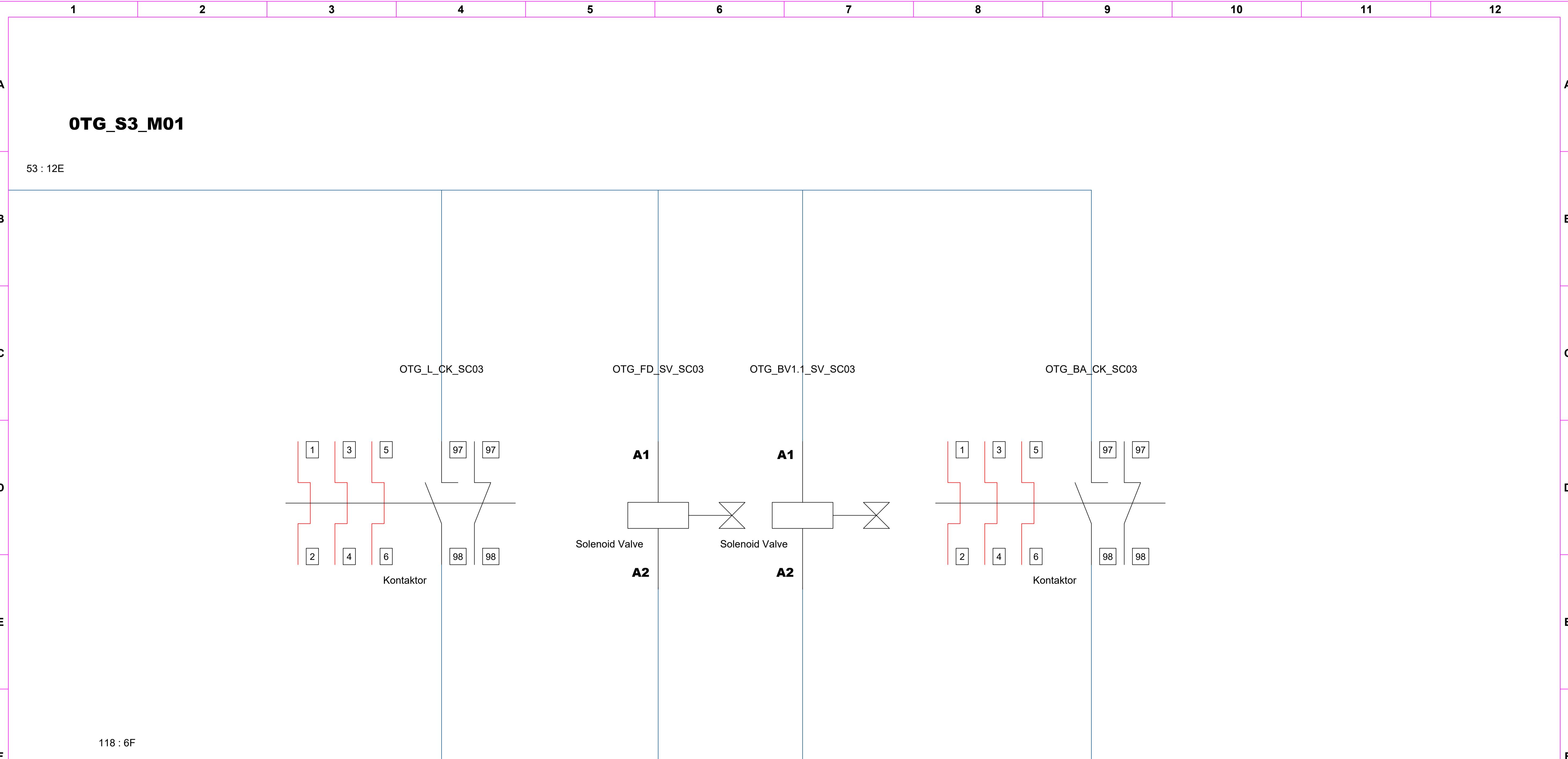
118 : 6F

COM PLC

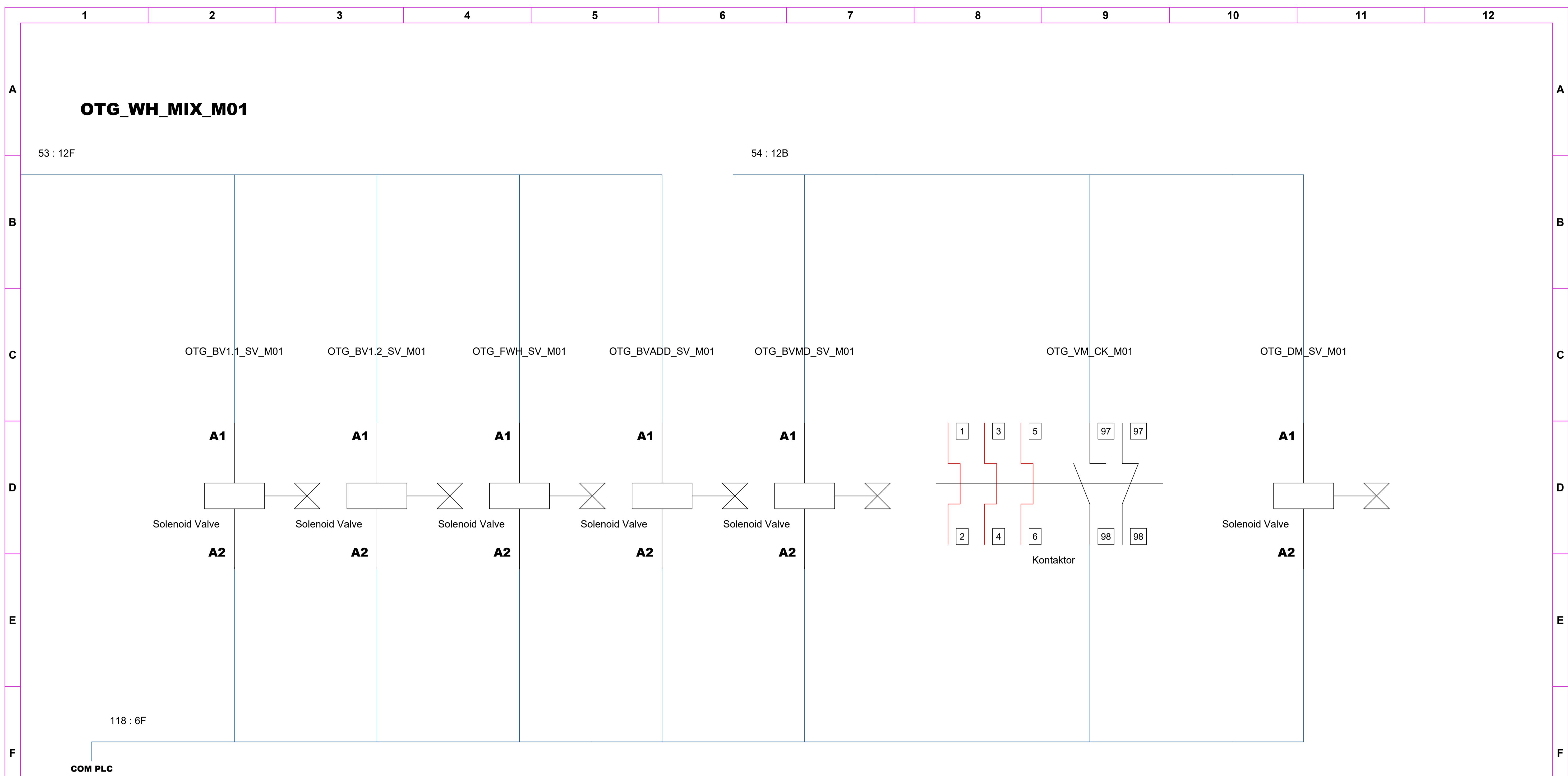
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA Appr. Norm | WAMGROUP mortar utama SAINT-GOBAIN | Title Group OTG_S1_M01 Digital Output 1 | Project Address Tile Grouting | | | | | | | |
|---|------------|------|---------|-------|------------|--|--|---|--------------------------------------|---|---|---|---|----|----|----|
| 4 | 21-05-2025 | | | Drawn | RAFLI | | | | | | | | | | | |
| | | | | Appr. | | | | | | | | | | | | |
| | | | | Norm | | Wiring Control Panel | | | | + | | | | | | |
| | | | | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |



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

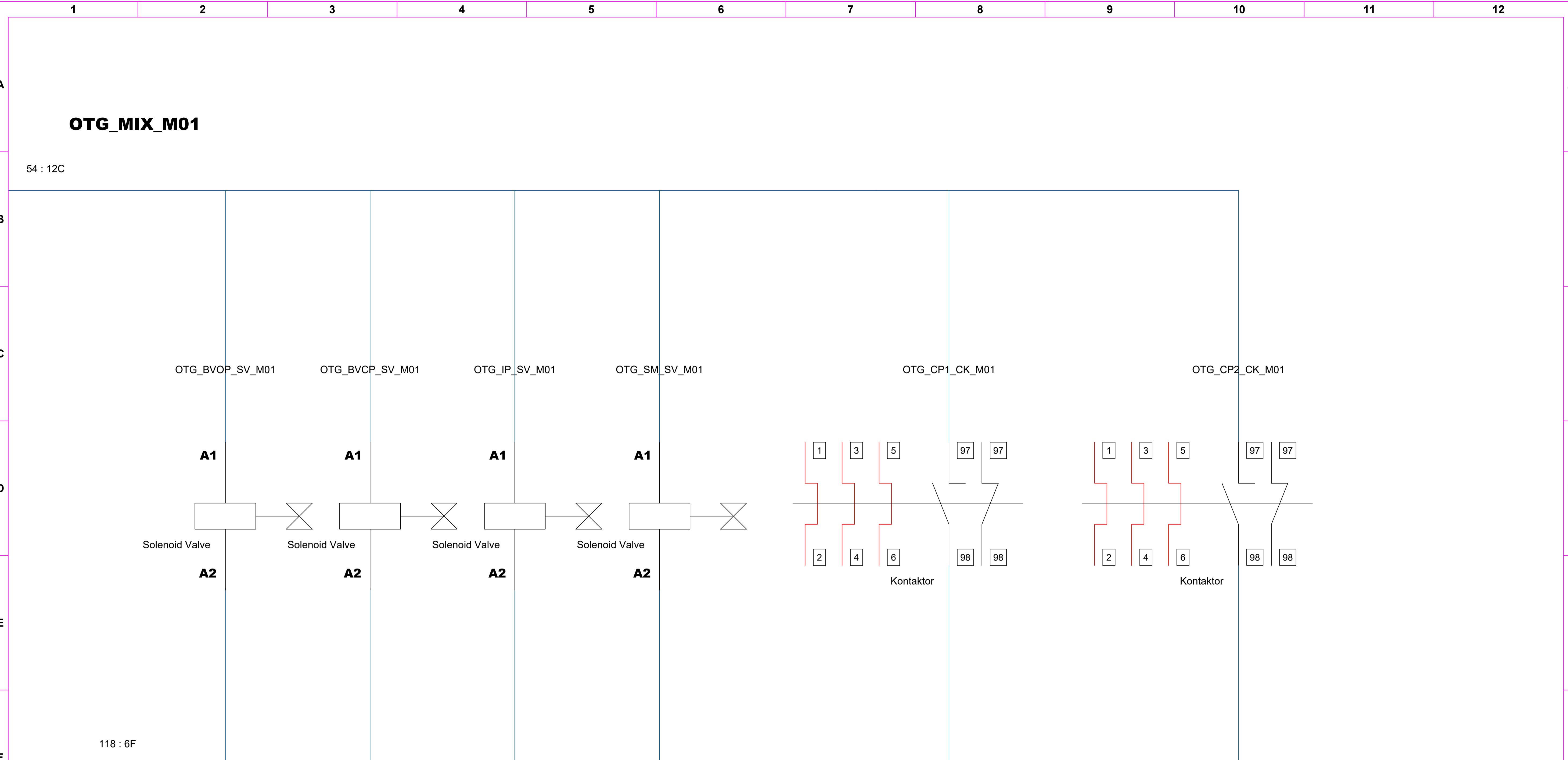


| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group OTG_S3_M01 Digital Output 1 | Project Address Tile Grouting | | |
|------|------------|---------|-------|------------|-------------------------|--|--|----------------------------------|-------------------------------|--|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | |
| | | | Appr. | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | + Sheet No.88 118 Sheet | |
| | | | | | | | | | 2 3 4 5 6 7 8 9 10 11 12 | |



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|---|------------|------|---------|-------|------------|-------------------------|--|-------|---------|-------------|---|--|--|--|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  MU mortar utama SAINT-GOBAIN | Title | Project | | H | | | |
| 4 | 21-05-2025 | | | Drawn | RAFLI | | | | | + | | | | |
| | | | | Appr. | | | | | | Sheet No.89 | | | | |
| | | | | Norm | | | | | | 118 Sheet | | | | |
| | | | | | | Wiring Control Panel | | | | | | | | |
| | | | | | | Group OTG_WH_MIX_M01 | | | | | | | | |
| | | | | | | Address Tile Grouting | | | | | | | | |
| | | | | | | Digital Output 2 | | | | | | | | |

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



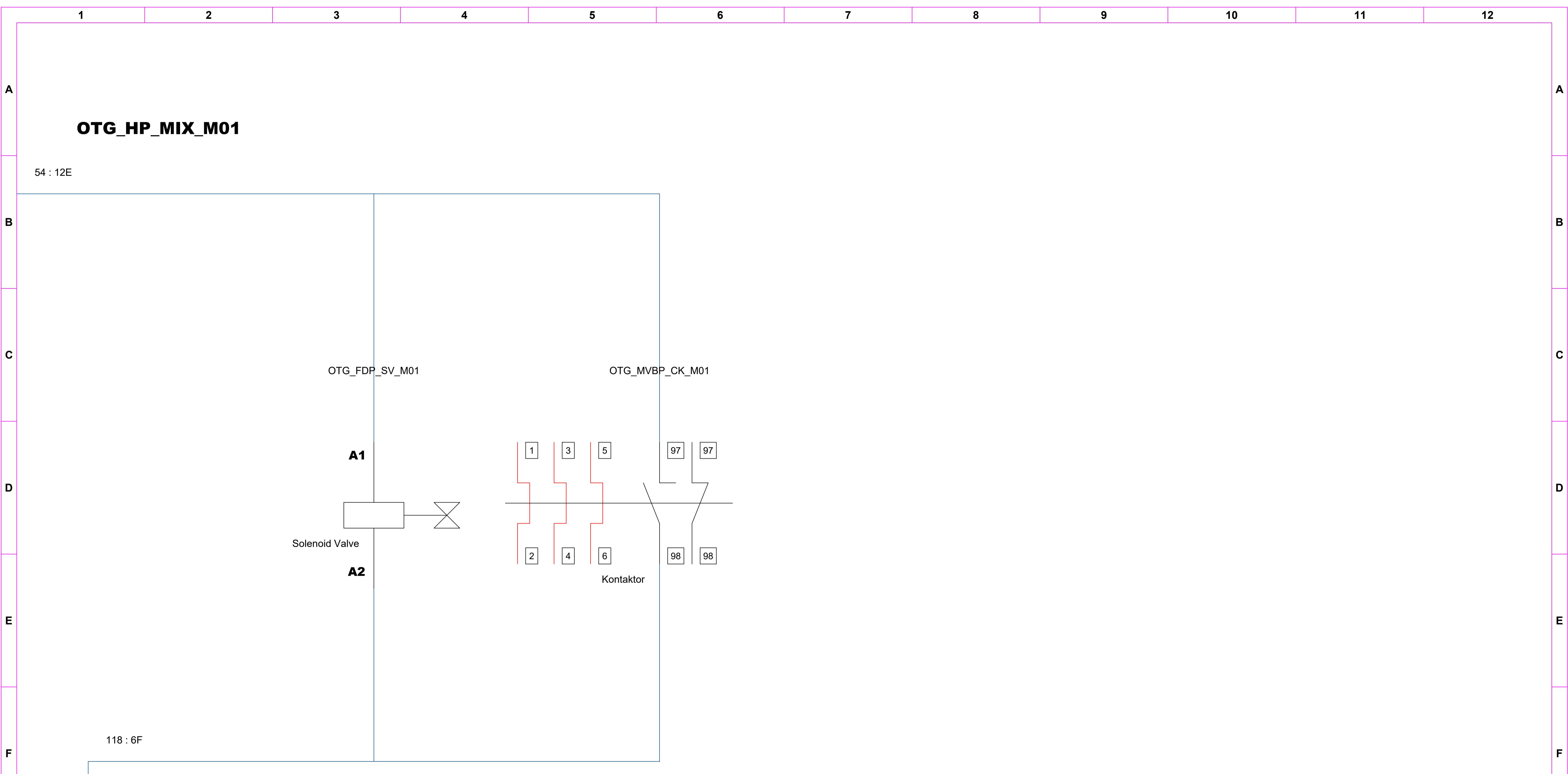
118 : 6F

COM PLC

H H

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group OTG_MIX_M01 Digital Output 2 | Project Address Tile Grouting | | | | | |
|------|------------|---------|-------|------------|-------------------------|--|---|----------------------------------|-------------------------------|---|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | | | | |
| | | | Appr. | | | | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | + Sheet No.90 118 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 | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group OTG_HP_MIX_M01 Digital Output 2 | Project Address Tile Grouting | H | | |
|---|------------|------|---------|-------|----------------------|-------------------------|--|--|----------------------------------|-----------|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | + | | | | | | | |
| | | | Appr. | | Sheet No.91 | | | | | | | |
| | | | Norm | | Wiring Control Panel | | | | | 118 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 OTG_RUN_INV_MIX_M01 A

54 : 12F

55 : 12B

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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

A1

A1

A1

A1

A1

A1

A1

A1

A1

Solenoid Valve

A2

A2

A2

A2

A2

A2

A2

A2

118 : 6F

COM PLC

G

G

| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group OTG_RUN_INV_MIX_M01 Digital Output 3 | Project Address Tile Grouting | |
|---|------|------------|---------|-------|------------|-------------------------|--|---|----------------------------------|-------------|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | | Appr. | | | | | | Sheet No.92 |
| | | | | Norm | | Wiring Control Panel | | | | 118 Sheet |
| | | | | | | | | | | 12 |

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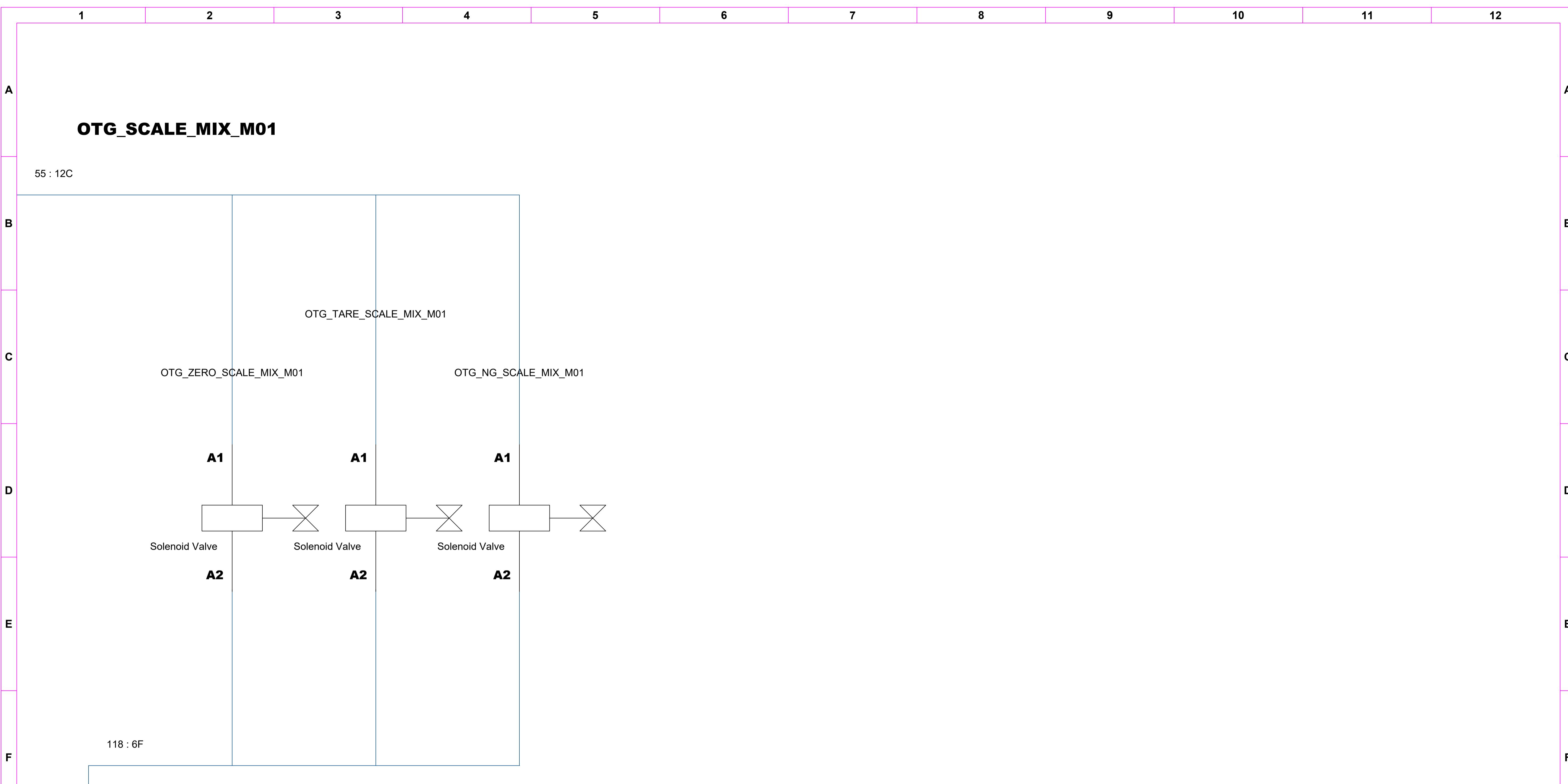
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1 2 3 4 5 6 7 8 9 10 11 12



| Rev. | Date | Remarks | Date | Drawn | RAFLI | P.T. CIPTA MORTAR UTAMA | AMU mortar utama SAINT-GOBAIN | Title | Project | |
|------|------------|---------|------|-------|-------|-------------------------|----------------------------------|-------------------------|-----------------------|-------------|
| 4 | 21-05-2025 | | | Appr. | | | | Group OTG_SCALE_MIX_M01 | Address Tile Grouting | + |
| | | | | Norm | | Wiring Control Panel | | Digital Output 3 | | Sheet No.93 |
| | | | | | | | | | | 118 Sheet |

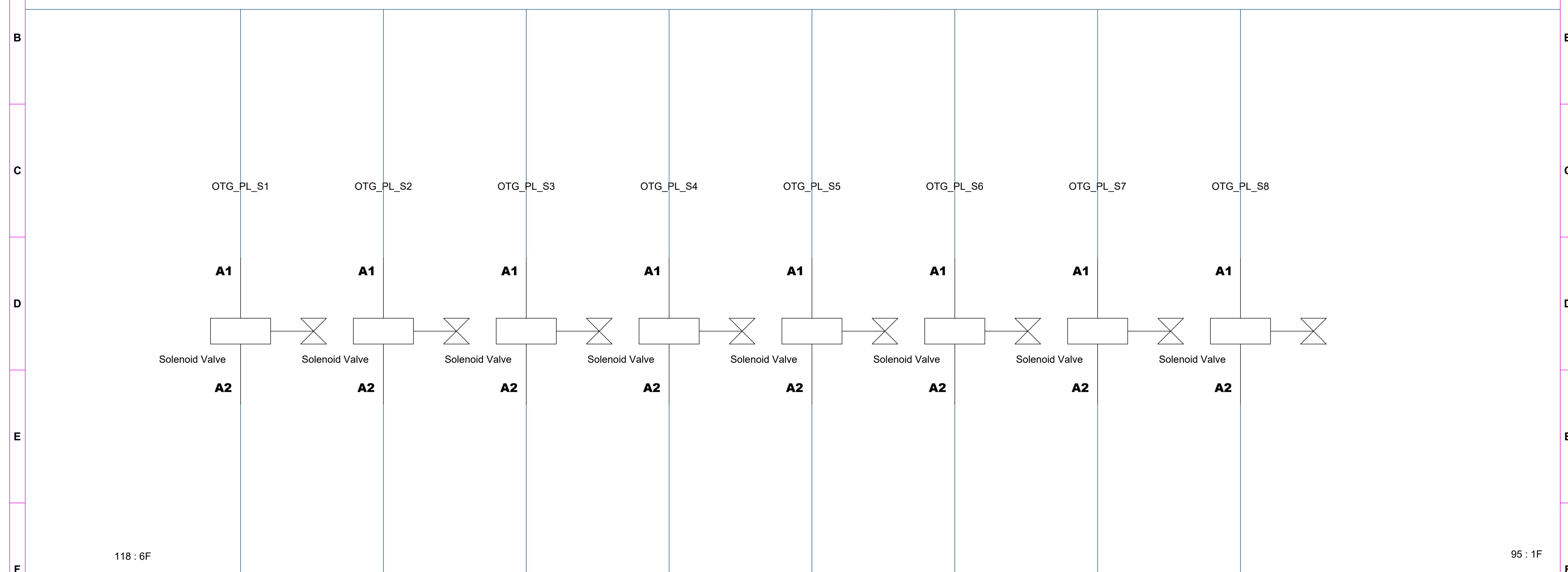
1 2 3 4 5 6 7 8 9 10 11 12

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

PILOT LAMP ALL

55 : 12E

95 : 1B



| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group PILOT LAMP ALL Digital Output 3 | Project Address Tile Grouting | H | | | |
|------|------------|---------|-------|------------|-------------------------|--|--|----------------------------------|-------------|----|----|----|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + | | | |
| | | | Appr. | | | | | | Sheet No.94 | | | |
| | | | Norm | | Wiring Control Panel | | | | 118 Sheet | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| | | | | | | | | | |
|---|------|------------|---------|-------|------------|--|--|-------------------------|-------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Group PILOT LAMP ALL Address Tile Grouting Digital Output 3 Wiring Control Panel | Project WAMGROUP | H |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | + |
| | | | | Appr. | | | | | Sheet No.95 |
| | | | | Norm | | | | | 118 Sheet |

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

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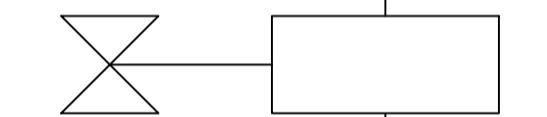
| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  MU mortar utama SAINT-GOBAIN | Title Group OXP_S03.2_M02 Digital Output 1 | Project Pro-X Batching | |
|------|------------|---------|-------|------------|-------------------------|---|--|-------------------------------|------------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Sheet No.96 |
| | | | Appr. | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | |
| | | | | 2 | 3 | 4 | 5 | 6 | 7 8 9 10 11 12 |

OXP_S03.2_M02

56 : 1A

OXP_BV1.1_SV_SC03.2

A1

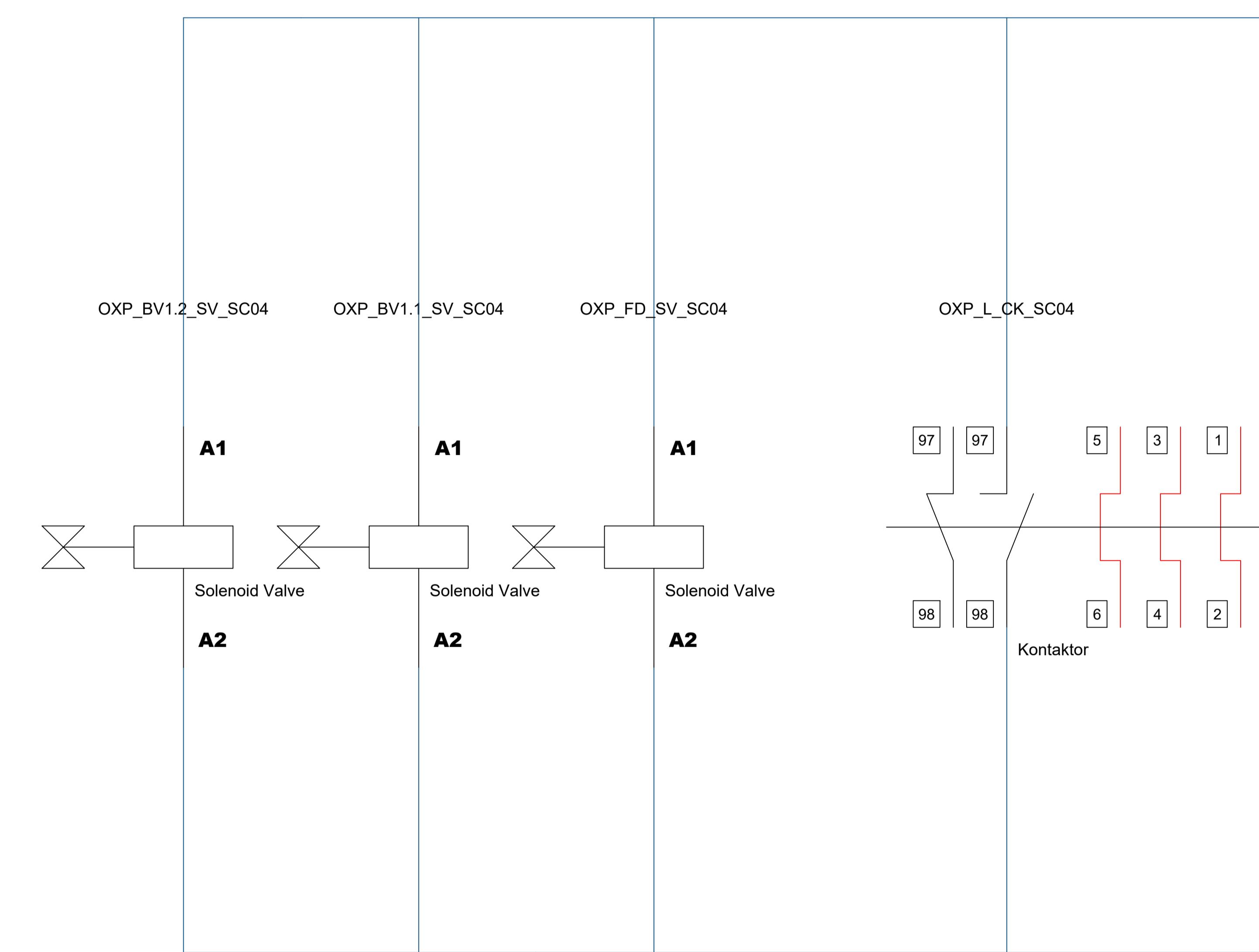


Solenoid Valve

A2

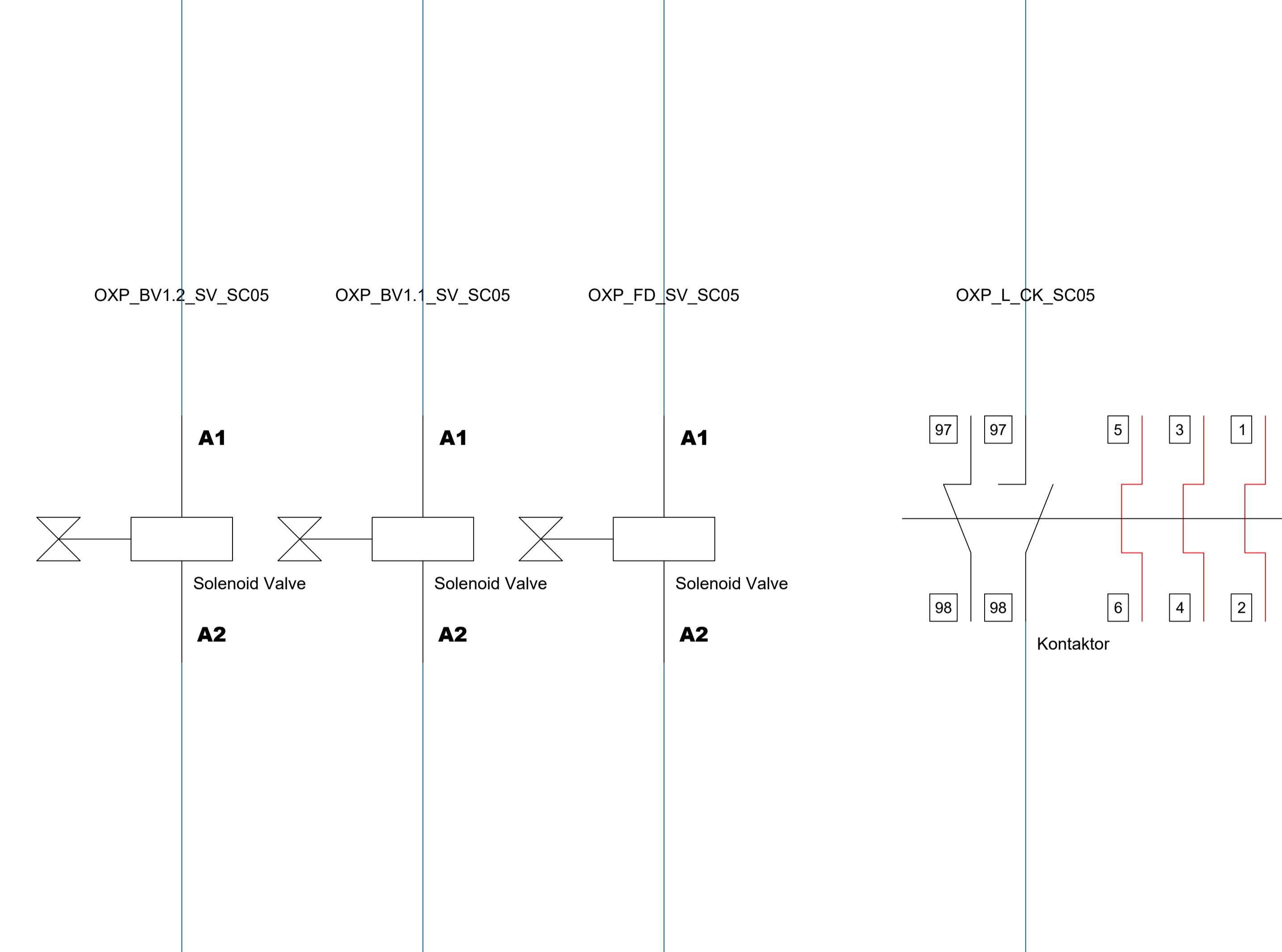
118 : 6F

COM PLC



COM PLC

| | | | | | | | | | |
|---|-------------|-------------|----------------|--------------|----------------------|-------------------------|---|--------------|-------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |   Group OXP_S04_M02 Pro-X Batching | Title | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | + |
| | | | | Appr. | | | | | Sheet No.97 |
| | | | | Norm | Wiring Control Panel | | | | 117 Sheet |



| | | | | | | | | | | |
|---|------|------------|---------|-------|------------|---|---|---|-------------------------------|-------------|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN |   | Title Group OXP_S05_M02 Digital Output 1 | Project Pro-X Batching | |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | | Appr. | | | | | | Sheet No.98 |
| | | | | Norm | | | | | | 117 Sheet |
| | | | | | | Wiring Control Panel | | | | |
| | | | | | | 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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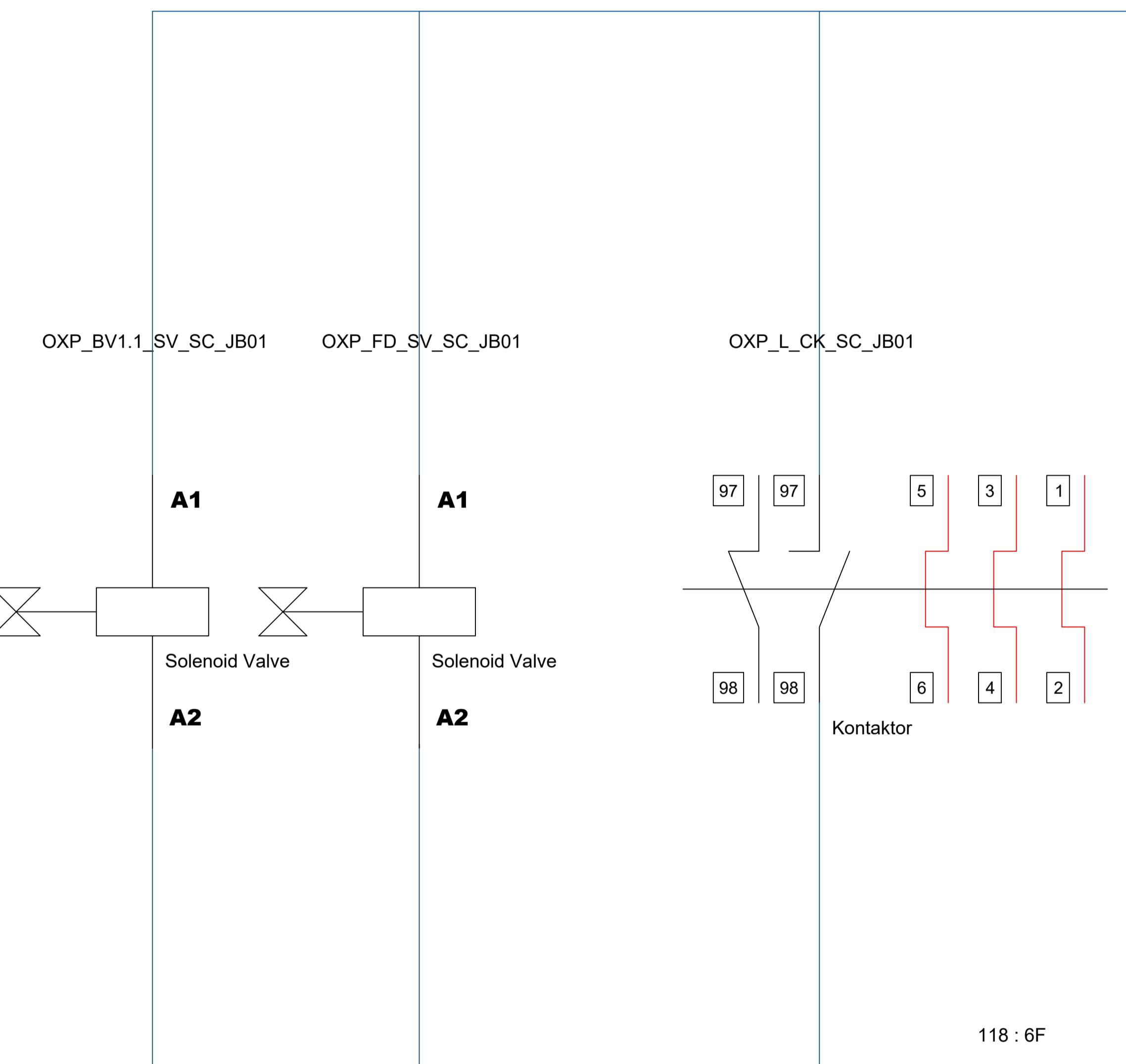
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OXP_JB01_M02

56 : 1D



| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Title | WAMGROUP | Project | |
|------|------------|---------|-------|------------|-------------------------|--|-------|----------|----------------|-------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | + |
| | | | Appr. | | | | | | | Sheet No.99 |
| | | | Norm | | Wiring Control Panel | | | | Pro-X Batching | 117 Sheet |
| | | | | | | | | | | |

Group OXP_JB01_M02

Digital Output 1

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

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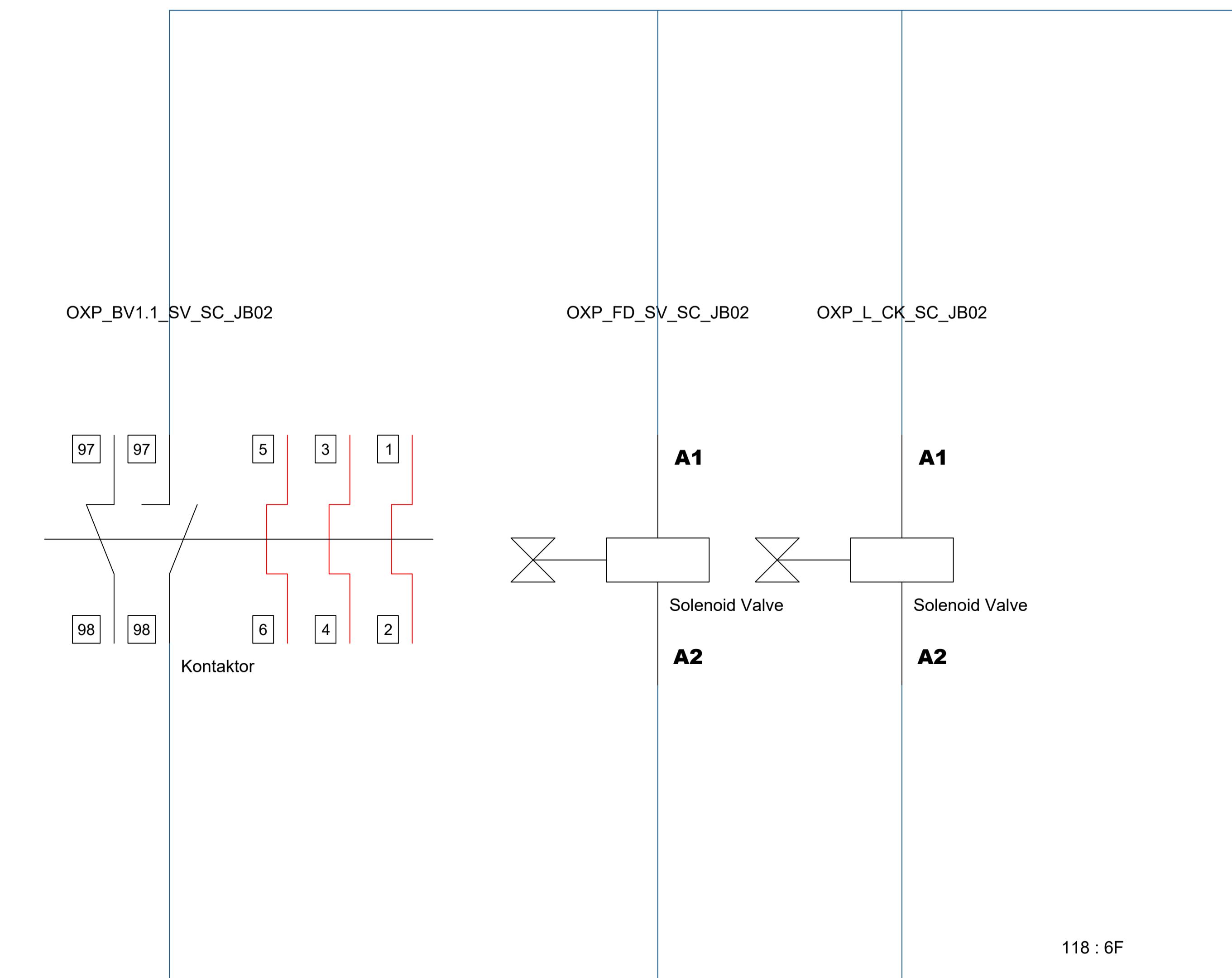
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OXP_JB02_M02

56 : 1E



118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | | Title | WAMGROUP | Project | |
|------|------------|---------|-------|------------|-------------------------|--|-------|----------|----------------|--------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | + |
| | | | Appr. | | | | | | | Sheet No.100 |
| | | | Norm | | Wiring Control Panel | | | | Pro-X Batching | 117 Sheet |
| | | | | | | | | | | |

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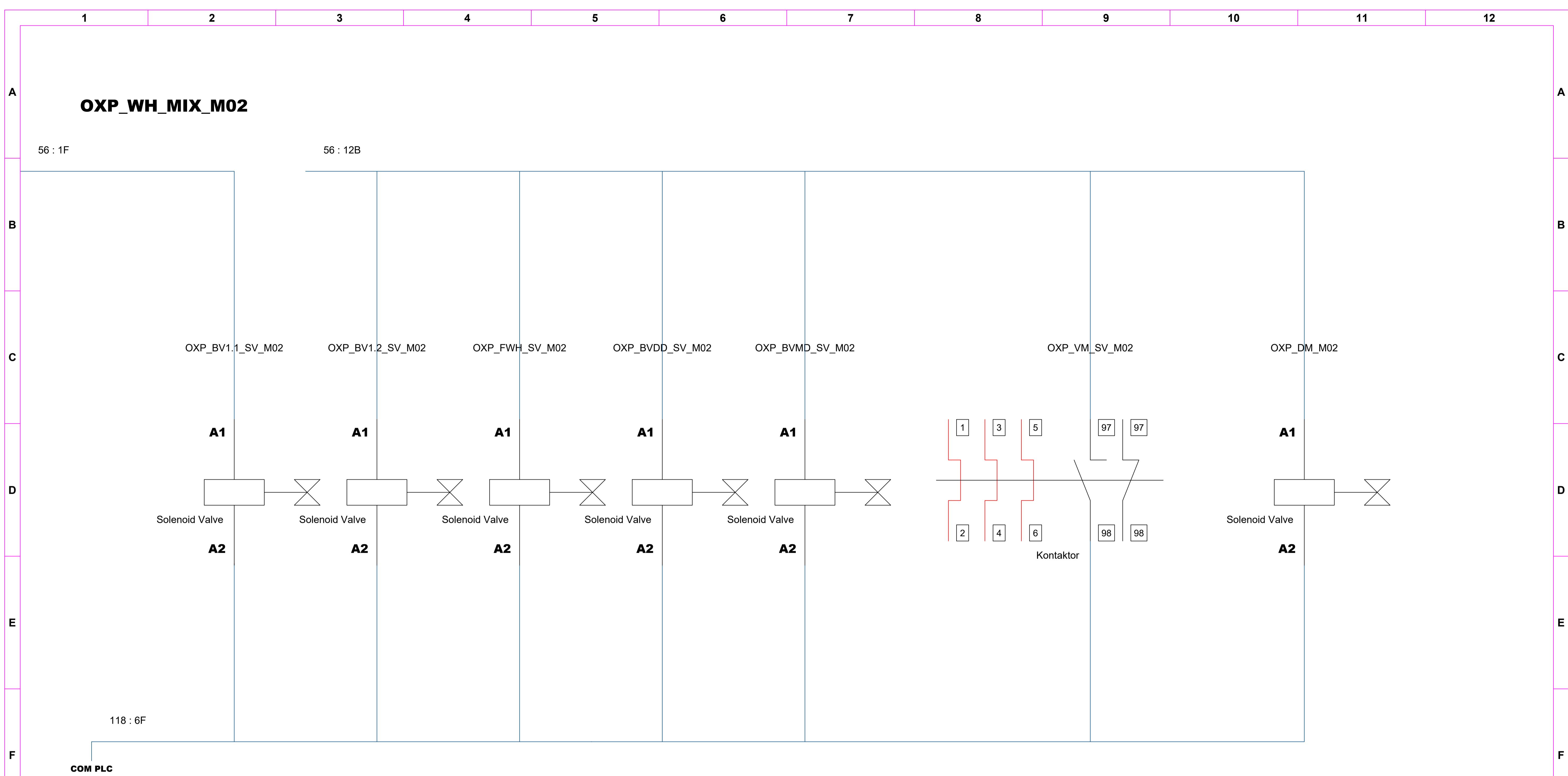
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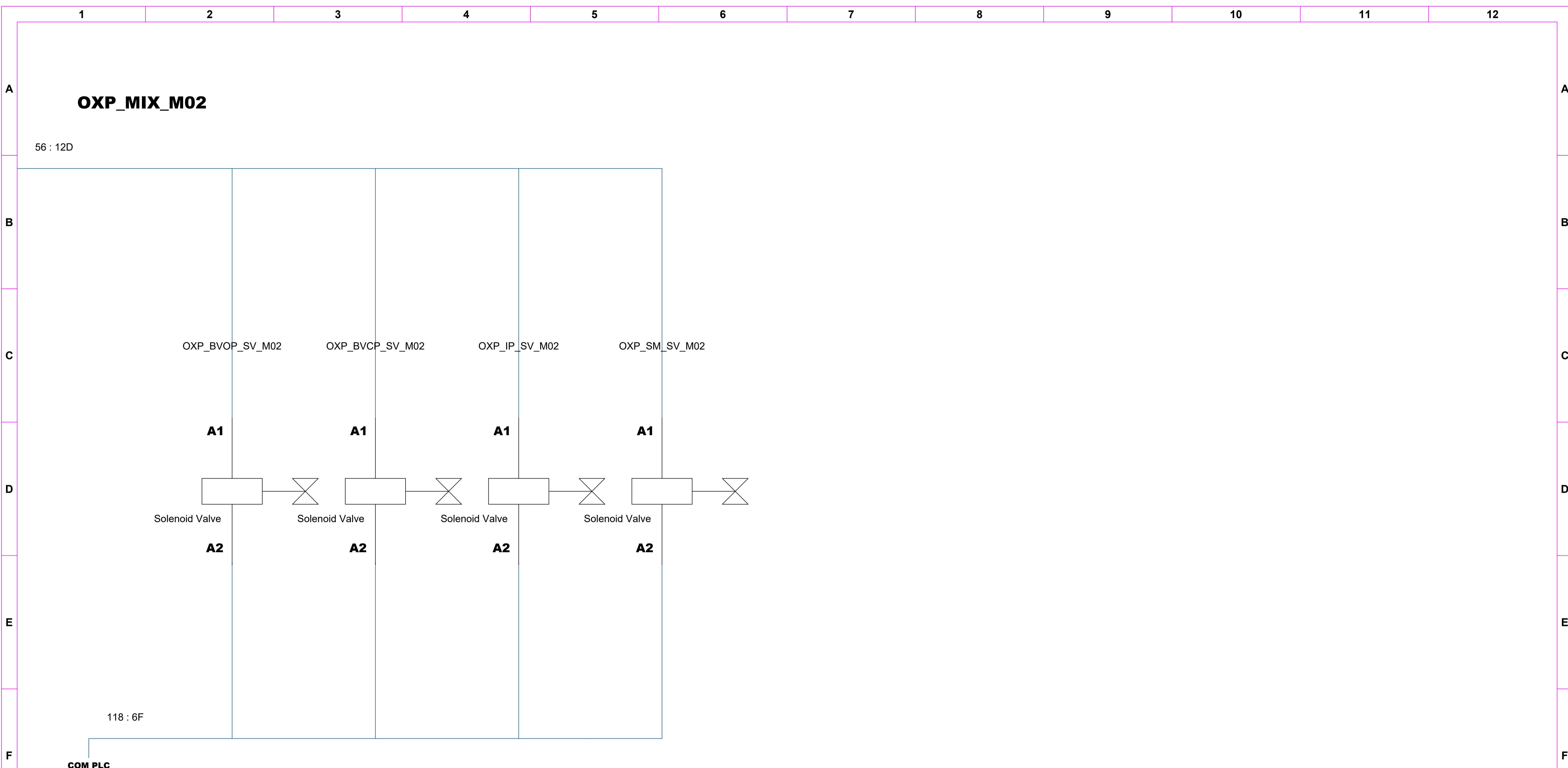
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| | | | | | | | | | |
|---|------------|------|---------|-------|------------|--|---|---|---|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Group OXP_WH_MIX_M02 Pro-X Batching Digital Output 1 Wiring Control Panel | Project + Sheet No.101 117 Sheet | H |
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | |
| | | | Appr. | | | | | | |
| | | | Norm | | | | | | |



| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA MU mortar utama SAINT-GOBAIN | Title Group OXP_MIX_M02 Digital Output 1 | Project WAMGROUP® Pro-X Batching | | | |
|---|------|------------|---------|-------|----------------------|--|--|--|--------------|----|----|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | + | | |
| | | | | Appr. | | | | | Sheet No.102 | | |
| | | | | Norm | Wiring Control Panel | | | | 117 Sheet | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

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

OXP_HP_MIX_M02

56 : 12E

B

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

C

A1

A1

A1

A1

A1

A1

A1

Solenoid Valve

A2

A2

A2

A2

A2

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A2

118 : 6F

COM PLC

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| Rev. | Date | Remarks | Date | Drawn | Appr. | P.T. CIPTA MORTAR UTAMA | WAMGROUP MU mortar utama SAINT-GOBAIN | Title | Project | |
|------|------------|---------|------|-------|-------|-------------------------|---|--|----------------|--------------|
| 4 | 21-05-2025 | | | RAFLI | | | | Group OXP_HP_MIX_M02 Digital Output 1 | Pro-X Batching | + |
| | | | | | | | | | | Sheet No.103 |
| | | | Norm | | | Wiring Control Panel | | | | 117 Sheet |

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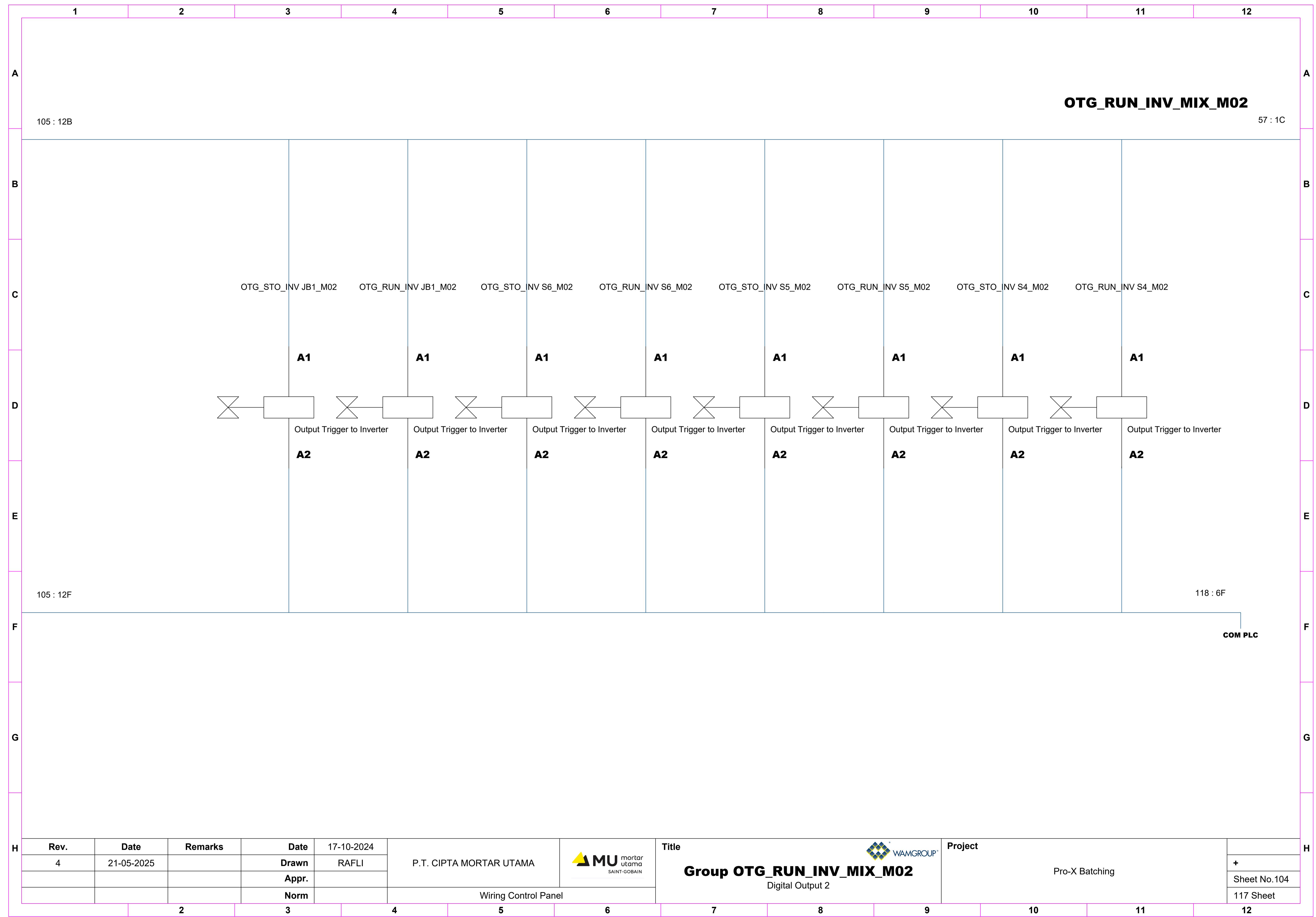
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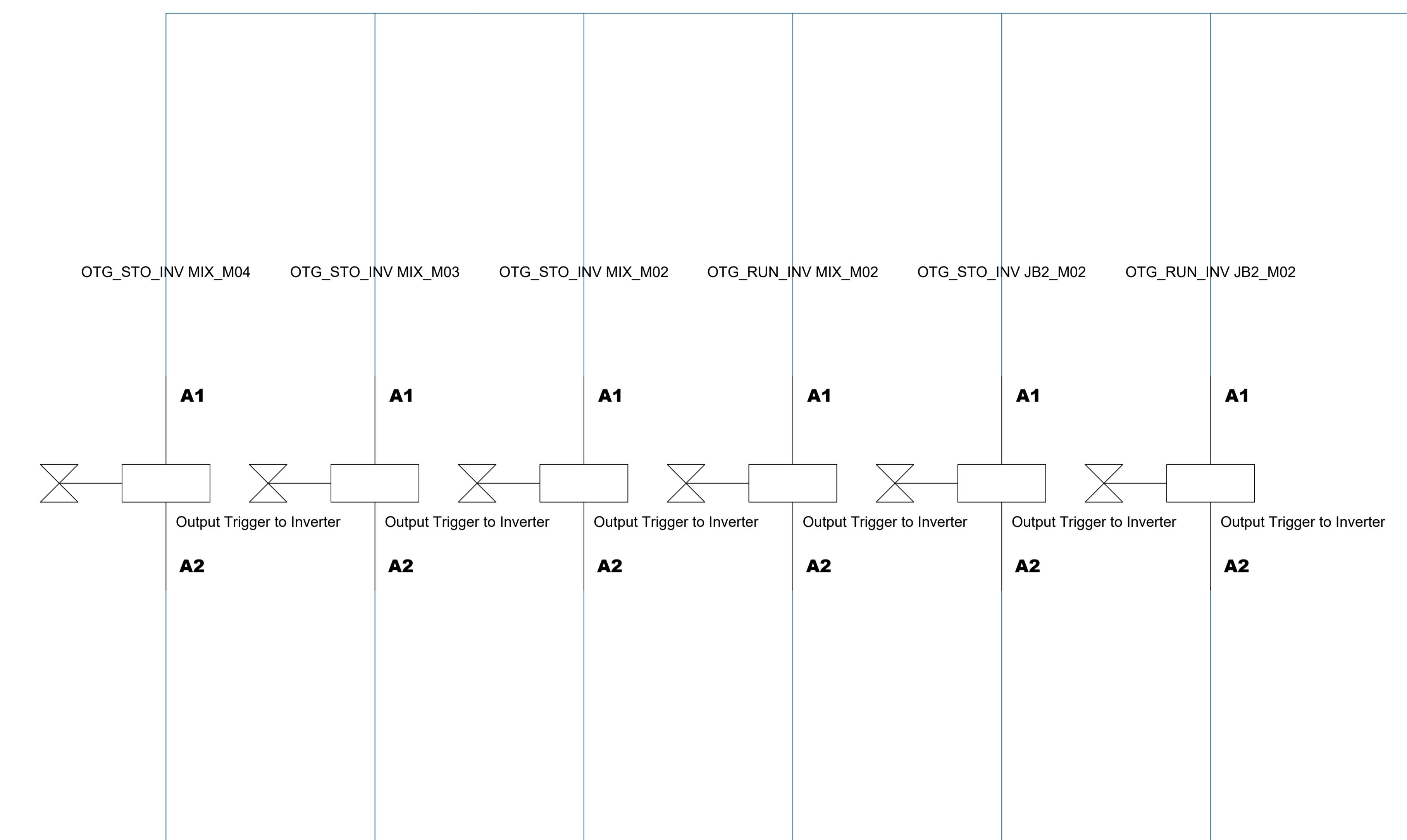
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| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | AMU <small>mortar utama SAINT-GOBAIN</small> | Title Group OTG_RUN_INV_MIX_M02 Digital Output 2 | Project Pro-X Batching | |
|---|------|------------|---------|-------|------------|-------------------------|--|---|-------------------------------|--------------------------------|
| | 4 | 21-05-2025 | | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | | |
| | | | | Norm | | Wiring Control Panel | | | | + Sheet No.105 117 Sheet |

OTG_SCALE_MIX_M02

57 : 1B

57 : 12B

OTG_ZERO_SCALE_MIX_M02

OTG_TARE_SCALE_MIX_M02

OTG_NG_SCALE_MIX_M02_DIV_SV_M02

A1**A1****A1**

Zero Indikator

Tare Indikator

Net Gross Indikator

A2**A2****A2**

118 : 6F

COM PLC

| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA  | Title | WAMGROUP Group OTG_SCALE_MIX_M02 Digital Output 2 | Project Pro-X Batching | | H |
|---|------|------------|---------|----------------|------------|--|-------|---|---------------------------|---|---|
| | 4 | 21-05-2025 | | Drawn Appr. | RAFLI | | | | | + | |
| | | | | Norm | | Wiring Control Panel | | | Sheet No.106 | | |
| | | | | | | | | | 117 Sheet | | |

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OTG_BV_PINCH_S1 OTG_BV_PINCH_S2 OTG_BV_PINCH_S3 OTG_BV_PINCH_S4 OTG_BV_PINCH_S5 OTG_BV_PINCH_S6 OTG_BV_PINCH_S7 OTG_BV_PINCH_S8 OTG_BV_PINCH_S9

Solenoid Valve Solenoid Valve

118 : 6F

COM PLC

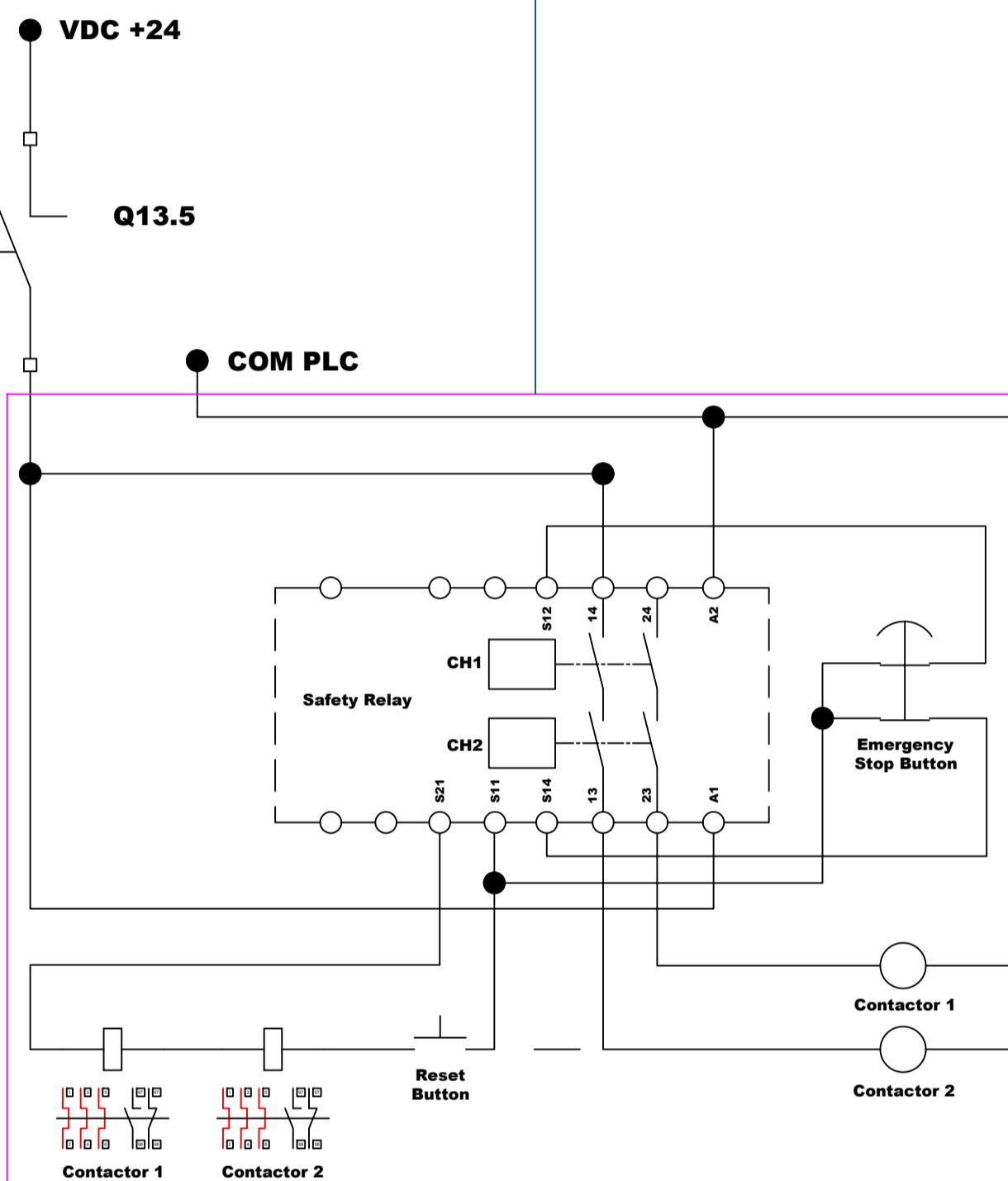
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group OTG_PINCH_SILO Digital Output 2 | Project Pro-X Batching | | H |
|---|------|------------|---------|-------|------------|-------------------------|--|--|---------------------------|--------------------------------|---|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | |
| | | | Appr. | | | | | | | | |
| | | | Norm | | | Wiring Control Panel | | | | + Sheet No.107 117 Sheet | |

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

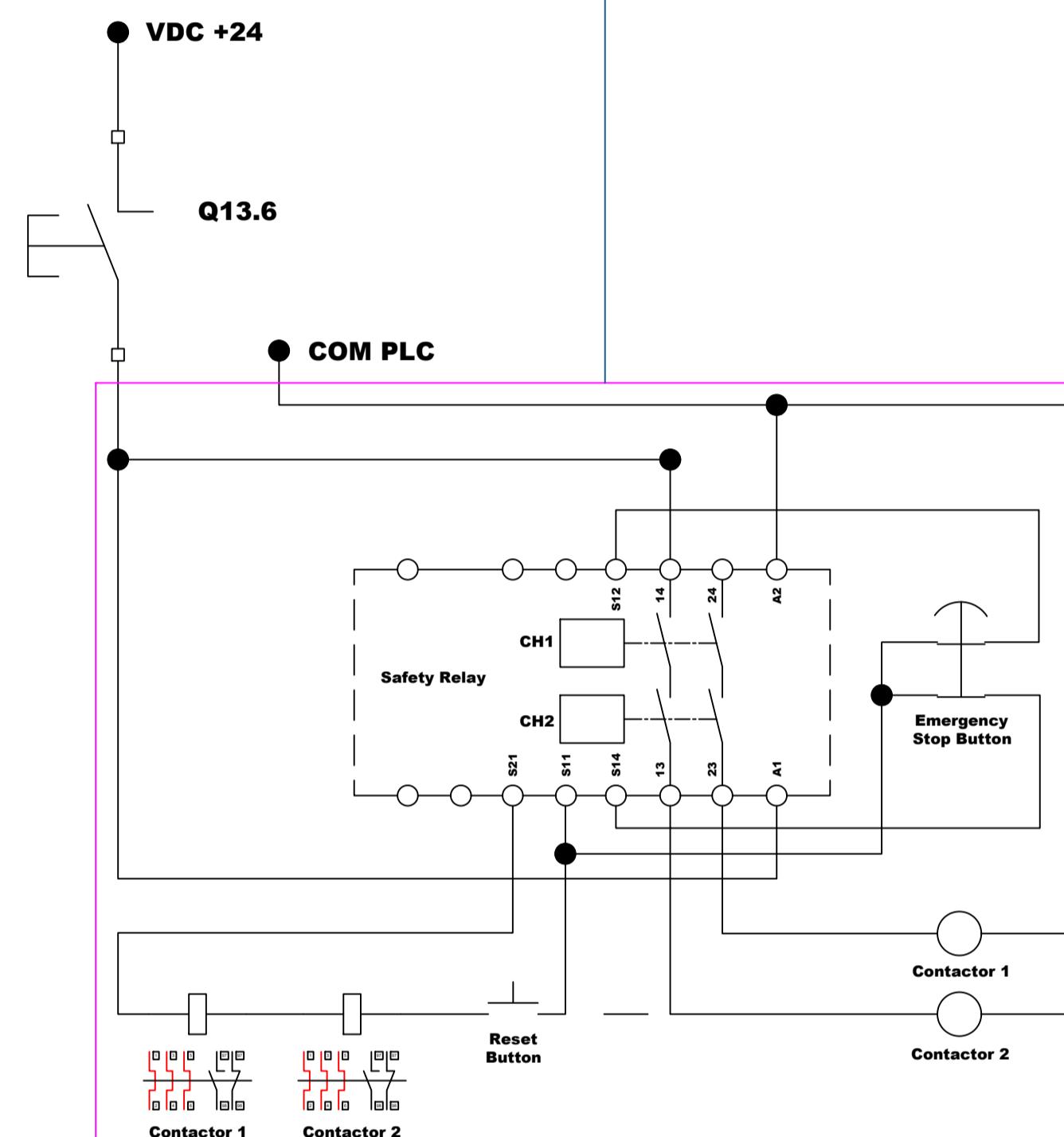
RELAY

57 : 12F

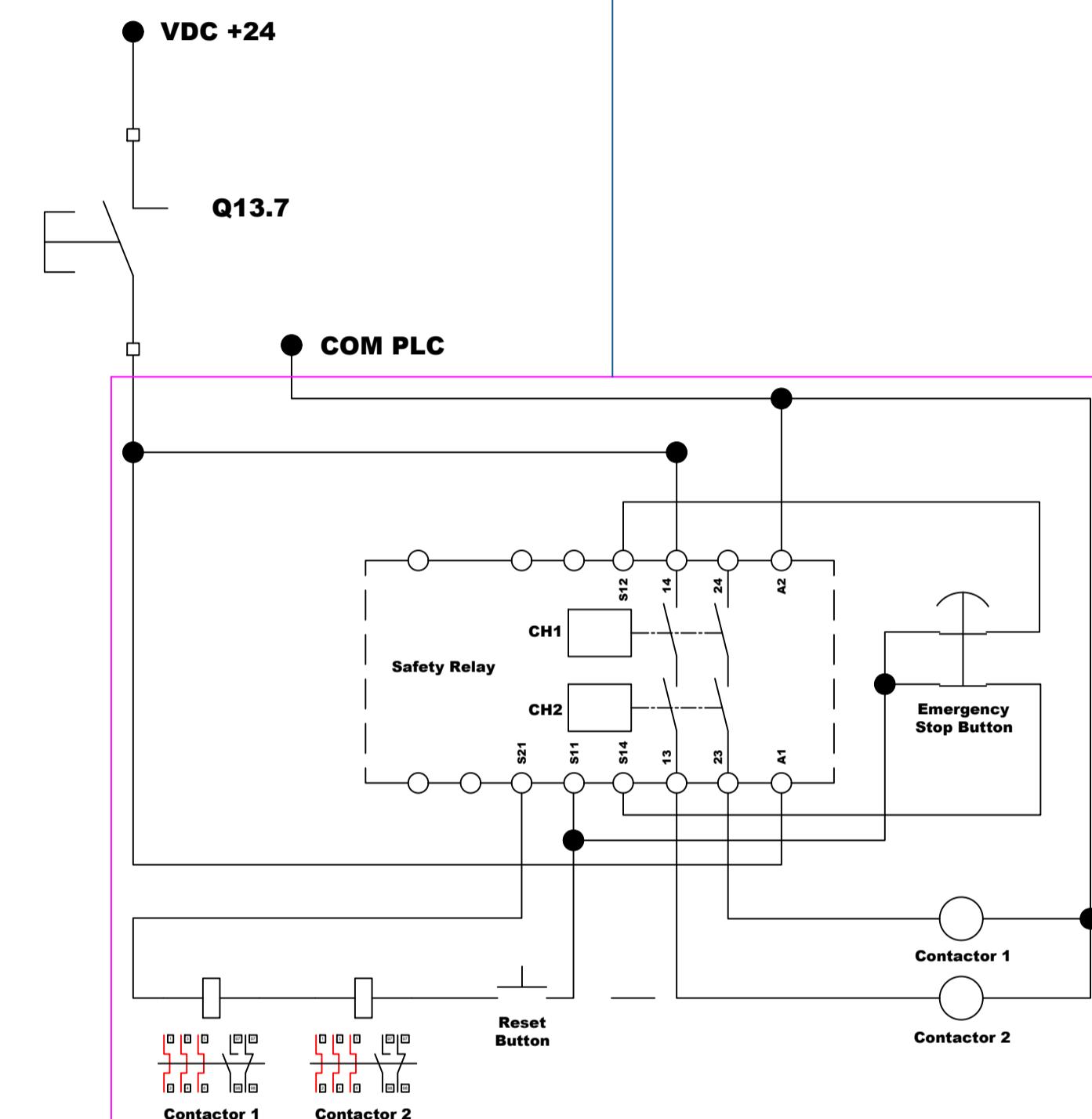
B



C



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118 : 6F

F

COM PLC

G

| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA | WAMGROUP | Title Group RELAY Digital Output 2 | Project Pro-X Batching | | H |
|---|------|------------|---------|-------|------------|-------------------------|----------|--|---------------------------|--|---|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | | |
| | | | | Appr. | | | | | | | |
| | | | | Norm | | | | | | | |

Wiring Control Panel

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Sheet No.108

117 Sheet

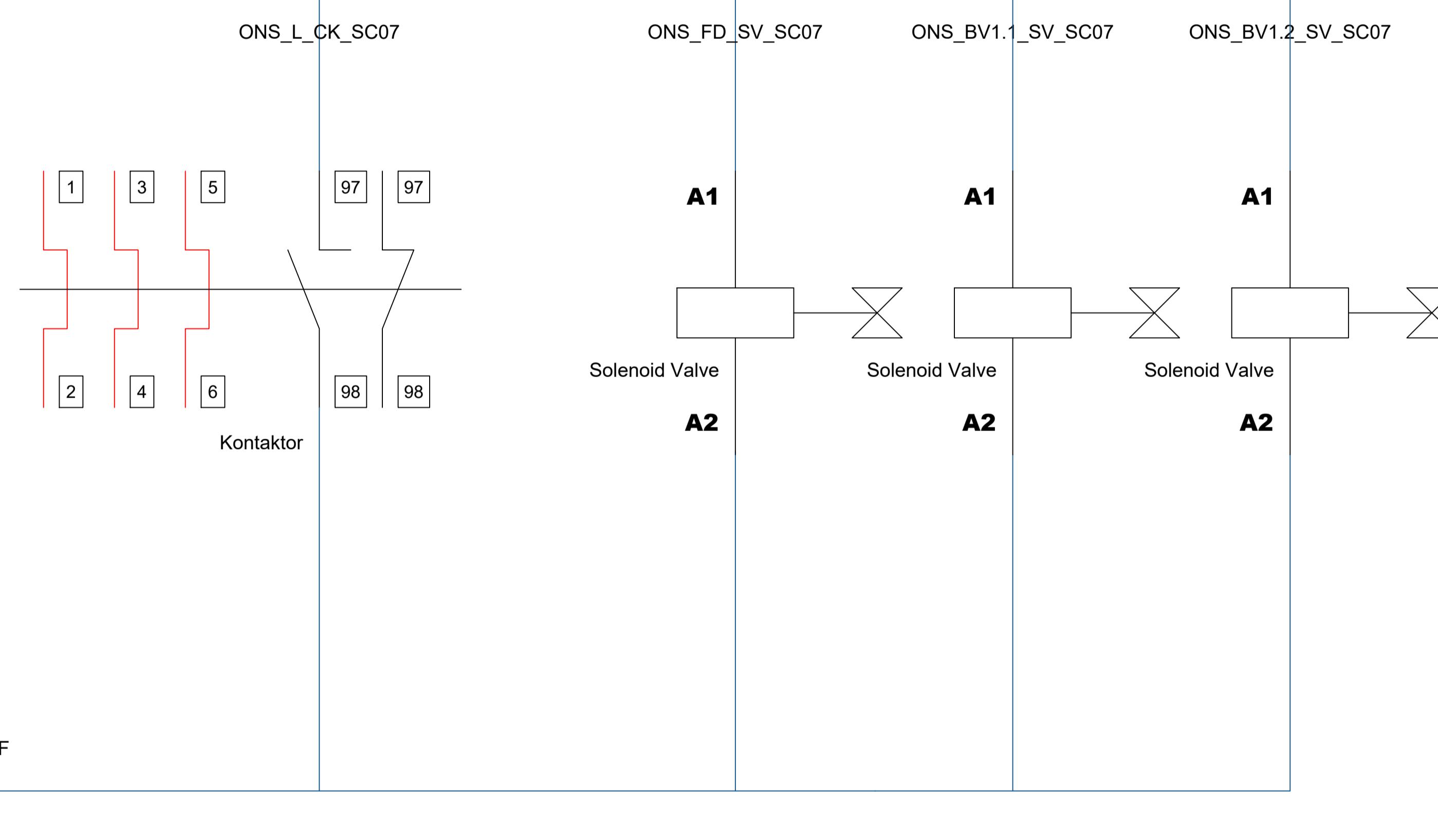
Group RELAY
Digital Output 2

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

ONS_S07_M03

58 : 12B

B



118 : 6F

COM PLC

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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group ONS_S07_M03 Digital Output 1 | Project Non Sanded Batching | |
|------|------------|---------|-------|------------|-------------------------|--|--|--------------------------------|--------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | Appr. | | | | | | Sheet No.109 |
| | | | Norm | | Wiring Control Panel | | | | 117 Sheet |

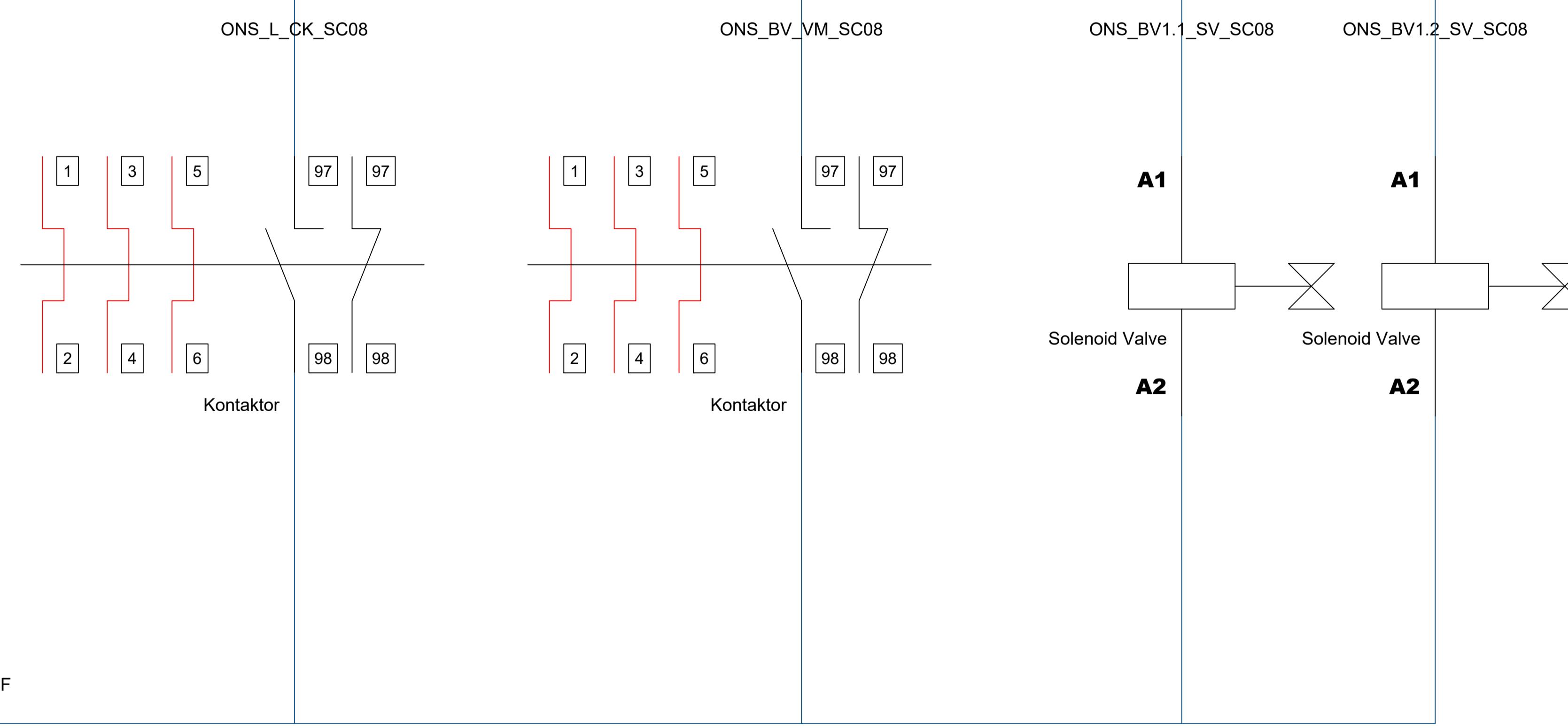
1 2 3 4 5 6 7 8 9 10 11 12

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

ONS_S08_M03

58 : 12C

B



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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group ONS_S08_M03 Digital Output 1 | Project Non Sanded Batching | |
|------|------------|---------|-------|------------|-------------------------|--|---|--------------------------------|--------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + |
| | | | Appr. | | | | | | Sheet No.110 |
| | | | Norm | | Wiring Control Panel | | | | 117 Sheet |

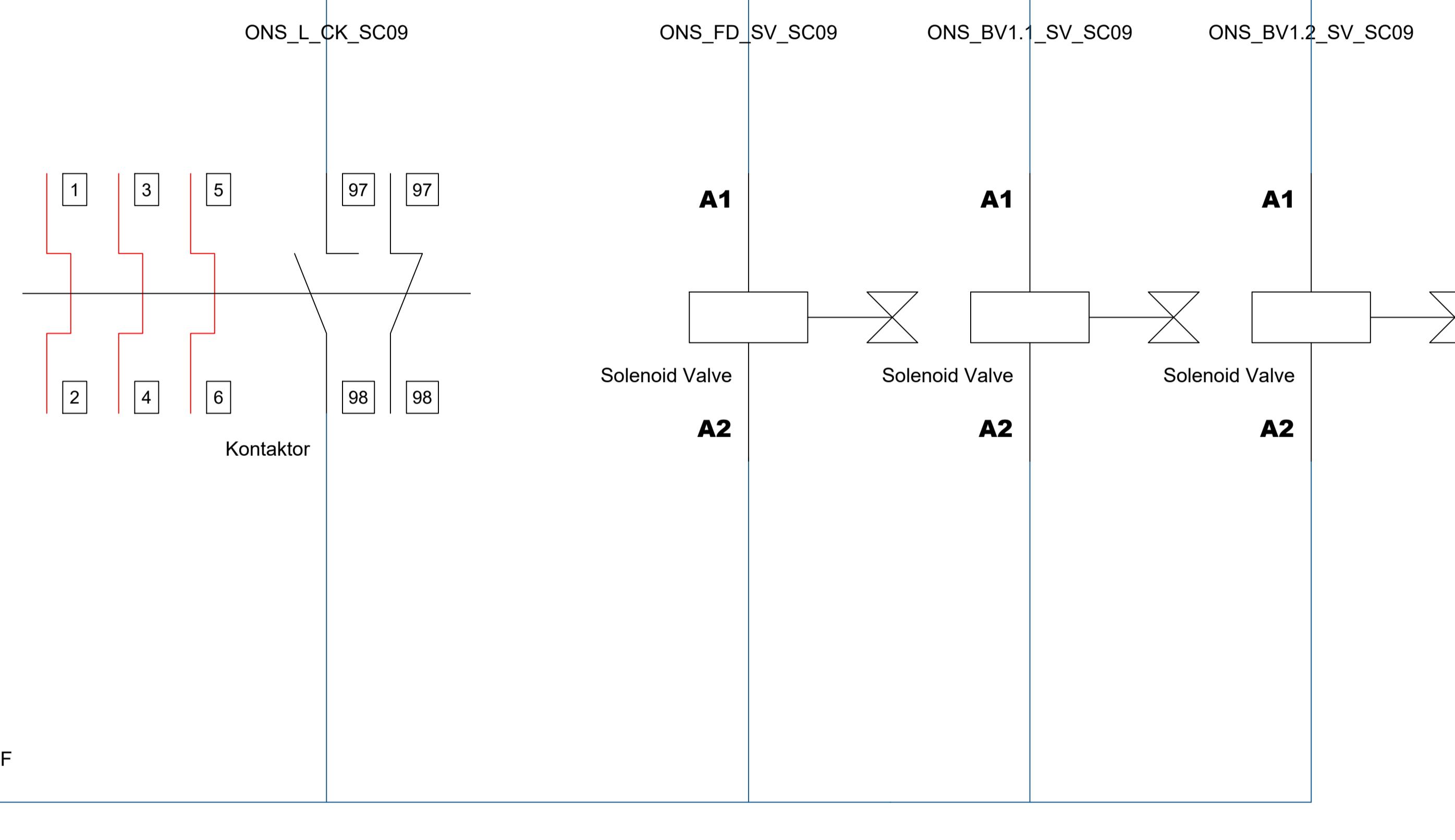
1 2 3 4 5 6 7 8 9 10 11 12

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

ONS_S09_M03

58 : 12E

B



ONS_L_CK_SC09

ONS_FD_SV_SC09

ONS_BV1.1_SV_SC09

ONS_BV1.2_SV_SC09

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COM PLC

118 : 6F

| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title Group ONS_S09_M03 Digital Output 1 | Project Non Sanded Batching | | | |
|------|------------|---------|-------|------------|-------------------------|--|--|--------------------------------|---|--------------|-----------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | Norm | Wiring Control Panel | + | Sheet No.111 | 117 Sheet |
| | | | Appr. | | | | | | | | |

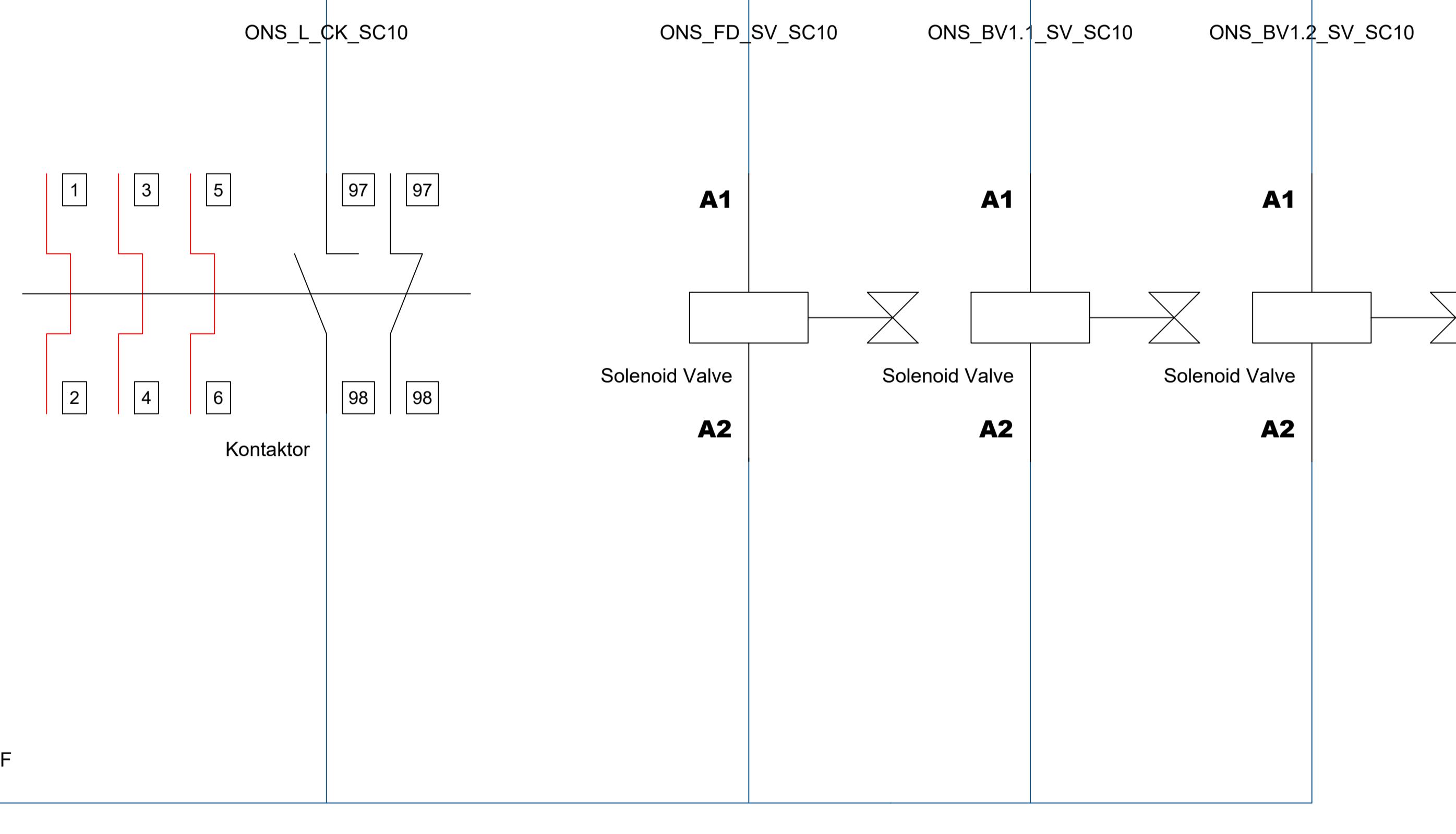
1 2 3 4 5 6 7 8 9 10 11 12

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

ONS_S10_M03

58 : 12F

B



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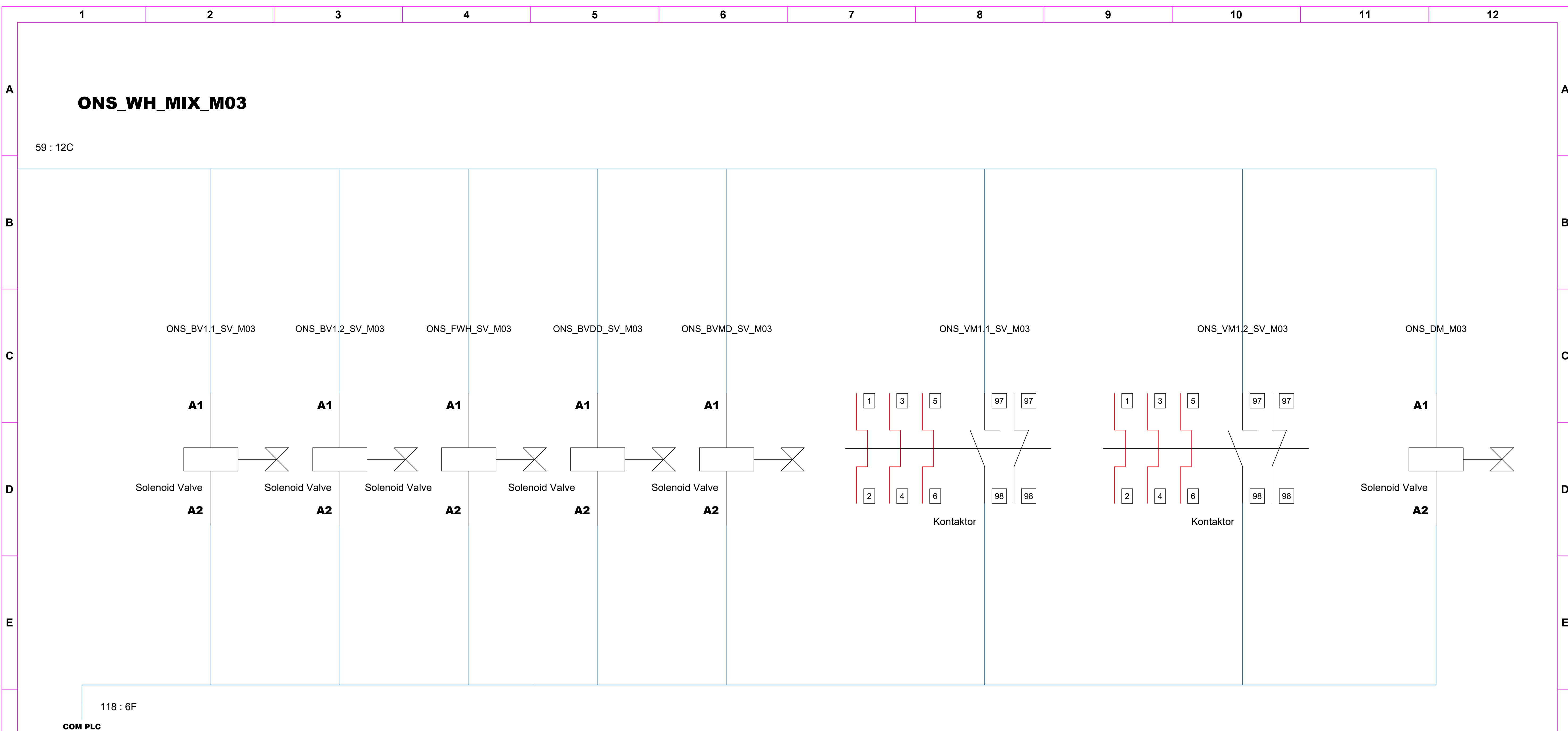
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| Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title | Project | | | |
|------|------------|---------|-------|------------|-------------------------|--|-------|---------|---|---------------------|--------------|
| 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + | Non Sanded Batching | Sheet No.112 |
| | | | Appr. | | | | | | | | 117 Sheet |
| | | | Norm | | Wiring Control Panel | | | | | | |

Group ONS_S10_M03

Digital Output 1



| | | | | | | | | | | | |
|---|------|------------|---------|-------|------------|---|---|-------|---------|--------------------------|----|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN |   | Title | Project | | H |
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | | + Non Sanded Batching | |
| | | | | Appr. | | | | | | Sheet No.113 | |
| | | | | Norm | | | | | | 117 Sheet | |
| | | | | | | Wiring Control Panel | | | | | |
| | | | | | | 7 | 8 | 9 | 10 | 11 | 12 |

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

ONS_MIX_M03

59 : 12E

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ONS_BVOP_SV_M03 ONS_BVCP_SV_M03 ONS_IP_SV_M03 ONS_SM_SV_M03

A1**A1****A1****A1**

Solenoid Valve Solenoid Valve Solenoid Valve Solenoid Valve

A2**A2****A2****A2**

118 : 6F

COM PLC

| Rev. | Date | Remarks | Date | Drawn | Appr. | Norm | P.T. CIPTA MORTAR UTAMA | AMU mortar utama SAINT-GOBAIN | Title | Project | | |
|------|------------|---------|------|-------|-------|------|-------------------------|---|--------------------------|------------------|---------------------|---|
| 4 | 21-05-2025 | | | RAFLI | | | | | Group ONS_MIX_M03 | Digital Output 2 | Non Sanded Batching | + |
| | | | | | | | | | | | Sheet No.114 | |
| | | | | | | | | | | | 117 Sheet | |

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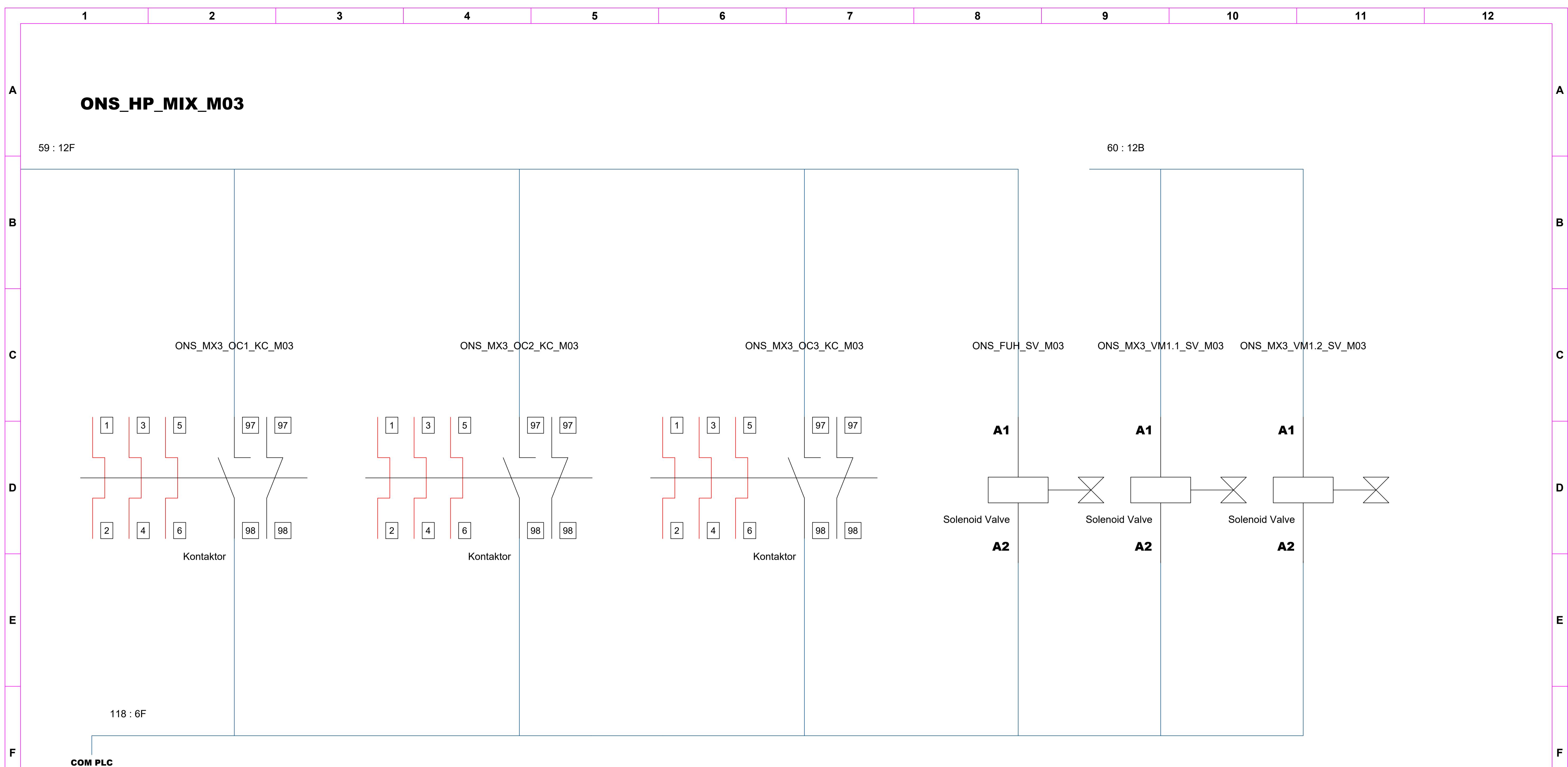
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|---|------------|------|---------|-------|------------|---|--|---|---|---|
| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA SAINT-GOBAIN | Title Non Sanded Batching Digital Output 2 Wiring Control Panel |   | Project + Sheet No.115 117 Sheet | H |
| 4 | 21-05-2025 | | | Drawn | RAFLI | | | | | |
| | | | | Appr. | | | | | | |
| | | | | Norm | | | | | | |

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

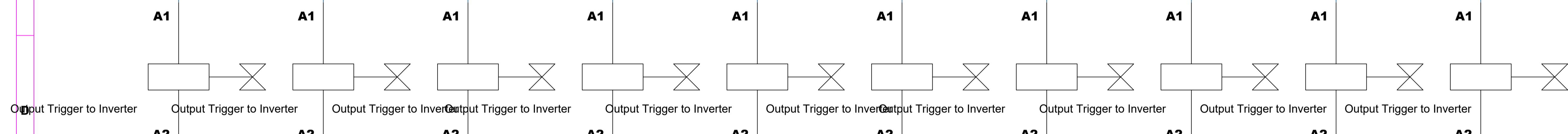
A OTG_RUN_INV_MIX_M02 A

60 :12D

B

C 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

D



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118 : 6F

COM PLC

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| H | Rev. | Date | Remarks | Date | 17-10-2024 | P.T. CIPTA MORTAR UTAMA |  WAMGROUP | Title | Project Non Sanded Batching |
|---|------|------------|---------|-------|------------|-------------------------|--|---|--------------------------------|
| | 4 | 21-05-2025 | | Drawn | RAFLI | | | | |
| | | | | Appr. | | | | | |
| | | | | Norm | | Wiring Control Panel | | Group OTG_RUN_INV_MIX_M02 Digital Output 3 | |
| | | | | | | | | | + Sheet No.116 117 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

OTG_SCALE_MIX_M02

60 : 12F

B

B

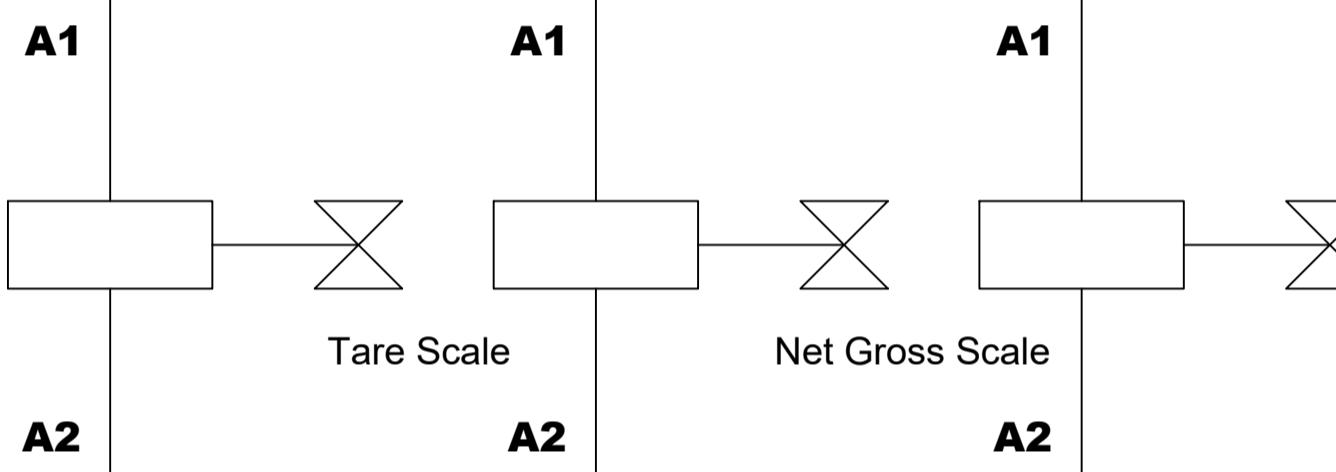
OTG_TARE_SCALE_MIX_M02

C

OTG_ZERO_SCALE_MIX_M02

OTG_NG_SCALE_MIX_M02

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| Rev. | Date | Remarks | Date | Drawn | Appr. | P.T. CIPTA MORTAR UTAMA | Title | Project | |
|------|------------|---------|------|-------|-------|-------------------------|----------------------------------|---------------------|--------------|
| 4 | 21-05-2025 | | | RAFLI | | | AMU mortar utama SAINT-GOBAIN | WAMGROUP | |
| | | | | | | | Group OTG_SCALE_MIX_M02 | Non Sanded Batching | + |
| | | | Norm | | | Wiring Control Panel | Digital Output 3 | | Sheet No.117 |
| | | | | | | | | | 117 Sheet |

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

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| Rev. | Date | Remarks | Date | Drawn | Appr. | Title | Project | |
|------|------------|---------|------------|-------|-------|---------------------------------|--------------|--|
| 4 | 21-05-2025 | | 17-10-2024 | RAFLI | | P.T. CIPTA MORTAR UTAMA | WAMGROUP | + |
| | | | | | | MU mortar utama SAINT-GOBAIN | Power Supply | Address Tile Grouting, Pro-X Batching, Non Sanded Batching |
| | | | Norm | | | Wiring Control Panel | | Sheet No.118 |
| | | | | | | | | 118 Sheet |

2 3 4 5 6 7 8 9 10 11 12