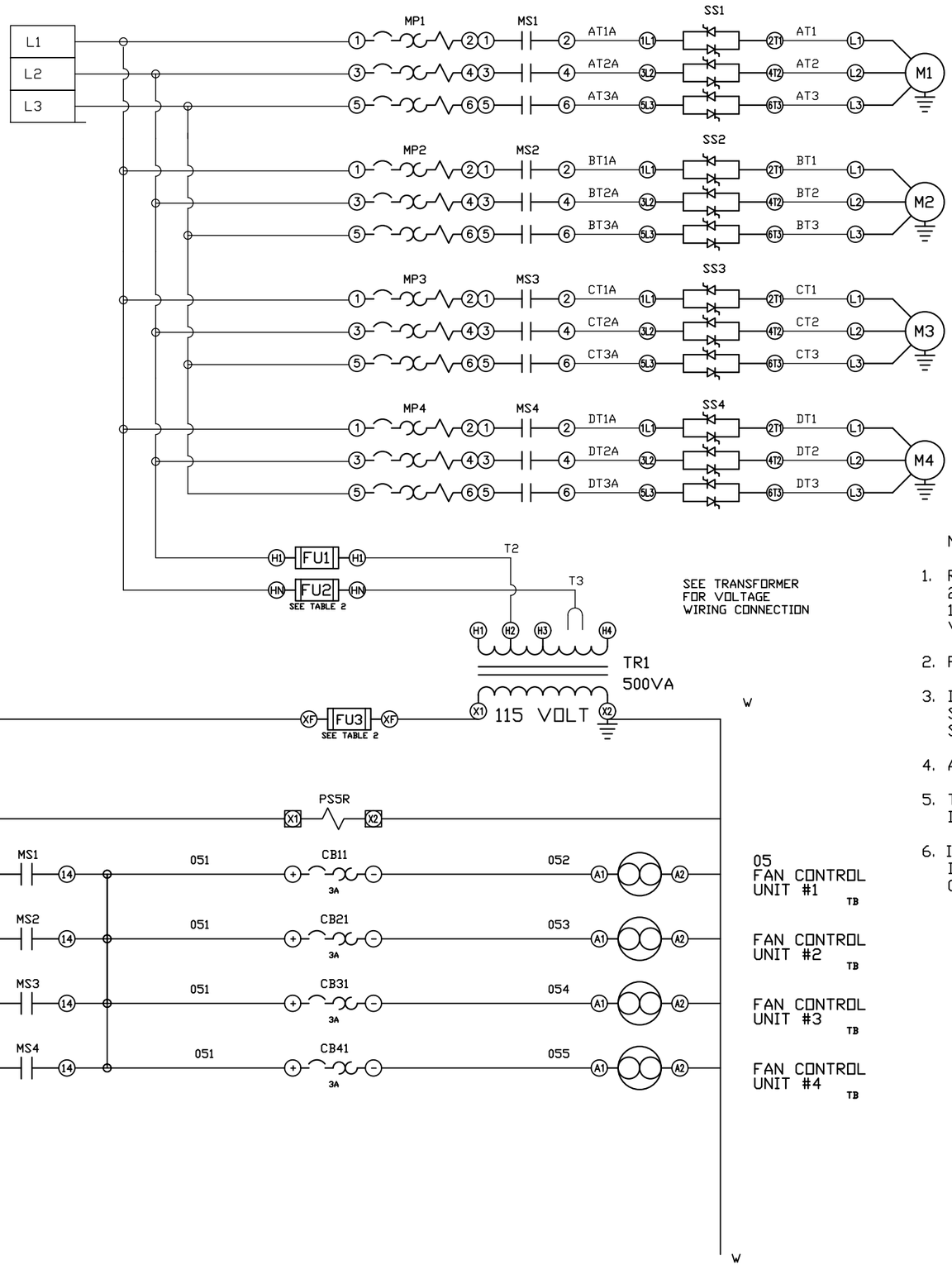
| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |




NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
   208-575 VOLT POWER 35 POUND INCHES
   120 VOLT POWER AND CONTROL
   VOLTAGAGE 15 POUND INCHES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1 FOR REQUIRMENTS.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS
5. TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES
6. INSTALLER TO UTILIZE PHYSICAL BARRIERS PROVIDED OR INSTALL ADDITONAL BARRIES TO MAINTAIN SEPARATION OF CIRCUITS FOR FIELD WIRING OF CLASS-1 AND CLASS-2 CIRCUIT.

TABLE 2

CONTROL CIRCUIT PROTECTION - 500VA

| | FU TYPE | 208 VOLT | 230 VOLT | 460 380 VOLT | 575 VOLT |
|---|---|---|---|---|---|
| FU1&2 | FNQR | 6A | 5A | 5A | 4A |
| FU3 | FNM | 7A | 7A | 7A | 7A |

SEE CONTROL TRANSFORMER INSTRUCTIONS FOR CONNECTIONS

WIRE TYPE TABLE

| VOLTAGE | WIRE NUMBERS | GAUGE | COLOR |
|---|---|---|---|
| 120VAC | 001-699 | 16-18AWG | RED/BLK |
| 0VAC | W | 16-18AWG | WHT/BLK |
| 24VDC | 700-999 | 16-18AWG | PURPLE |
| 0VDC | 701 | 16-18AWG | PURPLE |
| GND | - | VARIES | GREEN |
| CUSTOMER SUPPLY | 01-99 | 16AWG | YELLOW |

OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE
PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

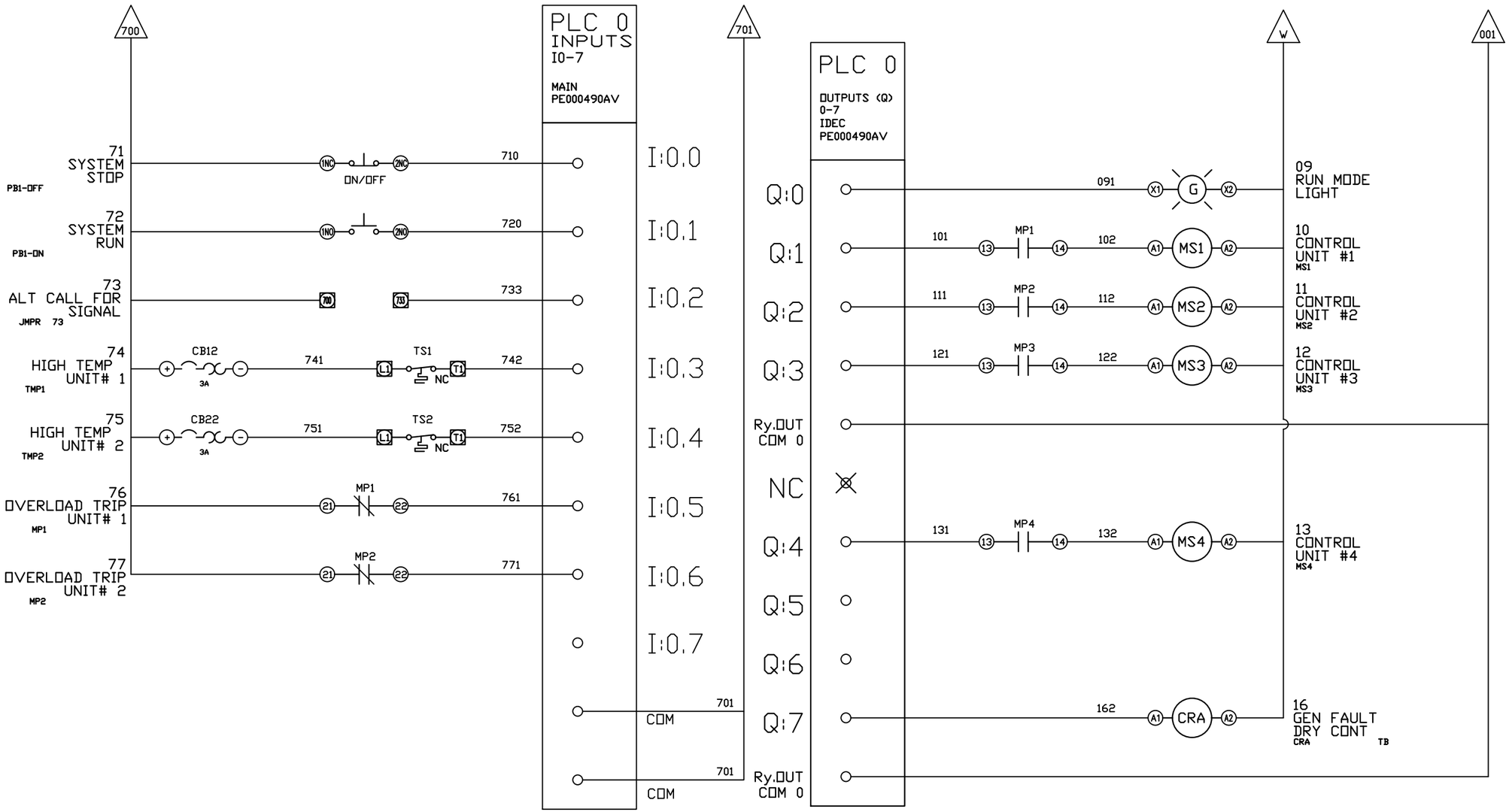
DWG. NO.
PBEIS-469

SHEET W-1

SIZE B

PBEIS-469 B1

| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |




OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

DWG. NO.

PBEIS-469

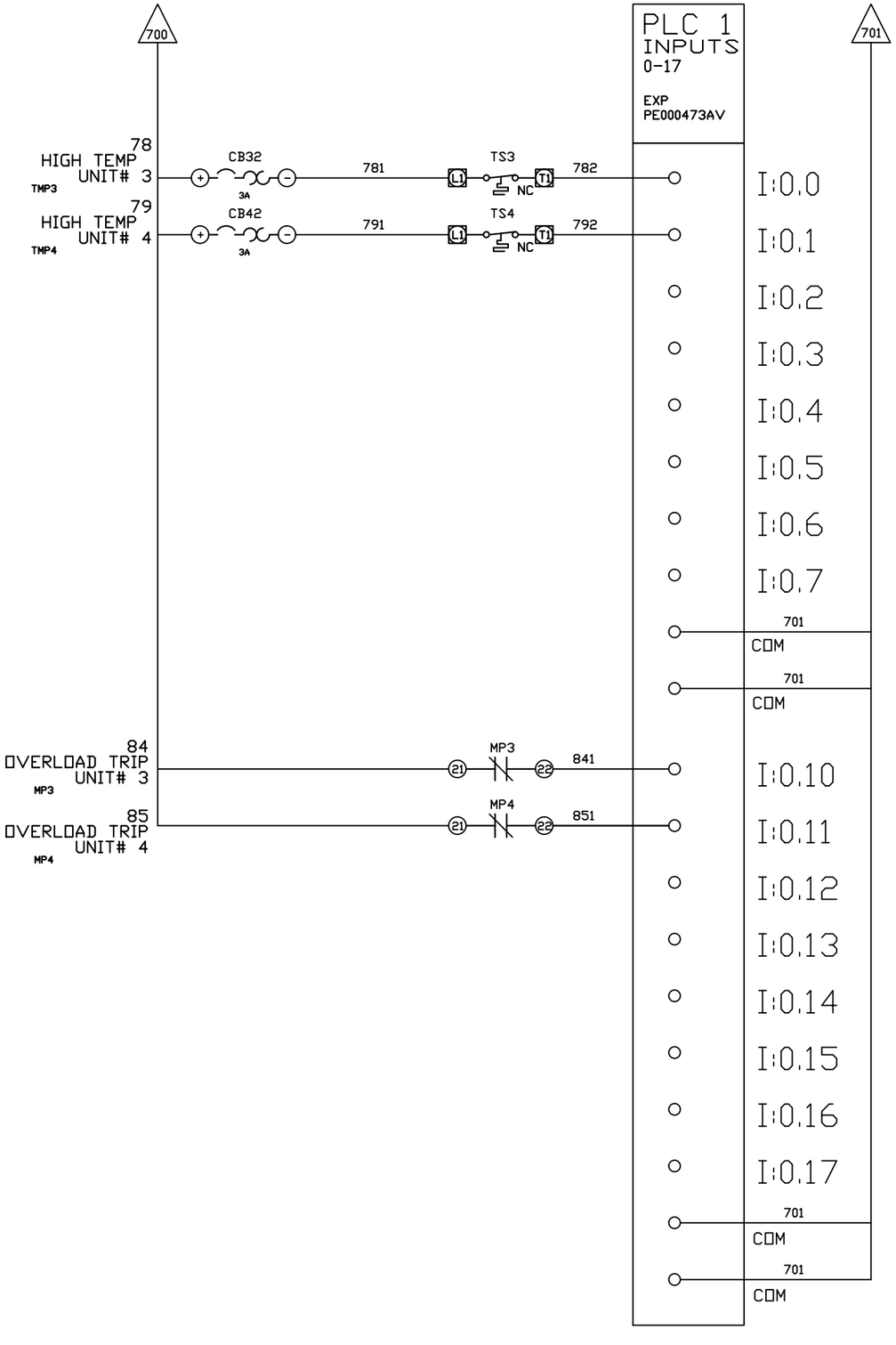
SHEET W-2

SIZE B

PBEIS-469 B1

WIRE TYPE TABLE

| VOLTAGE | WIRE NUMBERS | GAUGE | COLOR |
|---|---|---|---|
| 120VAC | 001-699 | 16-18AWG | RED/BLK |
| 0VAC | W | 16-18AWG | WHT/BLK |
| 24VDC | 700-999 | 16-18AWG | PURPLE |
| 0VDC | 701 | 16-18AWG | PURPLE |
| GND | - | VARIES | GREEN |
| CUSTOMER SUPPLY | 01-99 | 16AWG | YELLOW |




| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |

OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

DWG. NO.

PBEIS-469

SHEET W-3

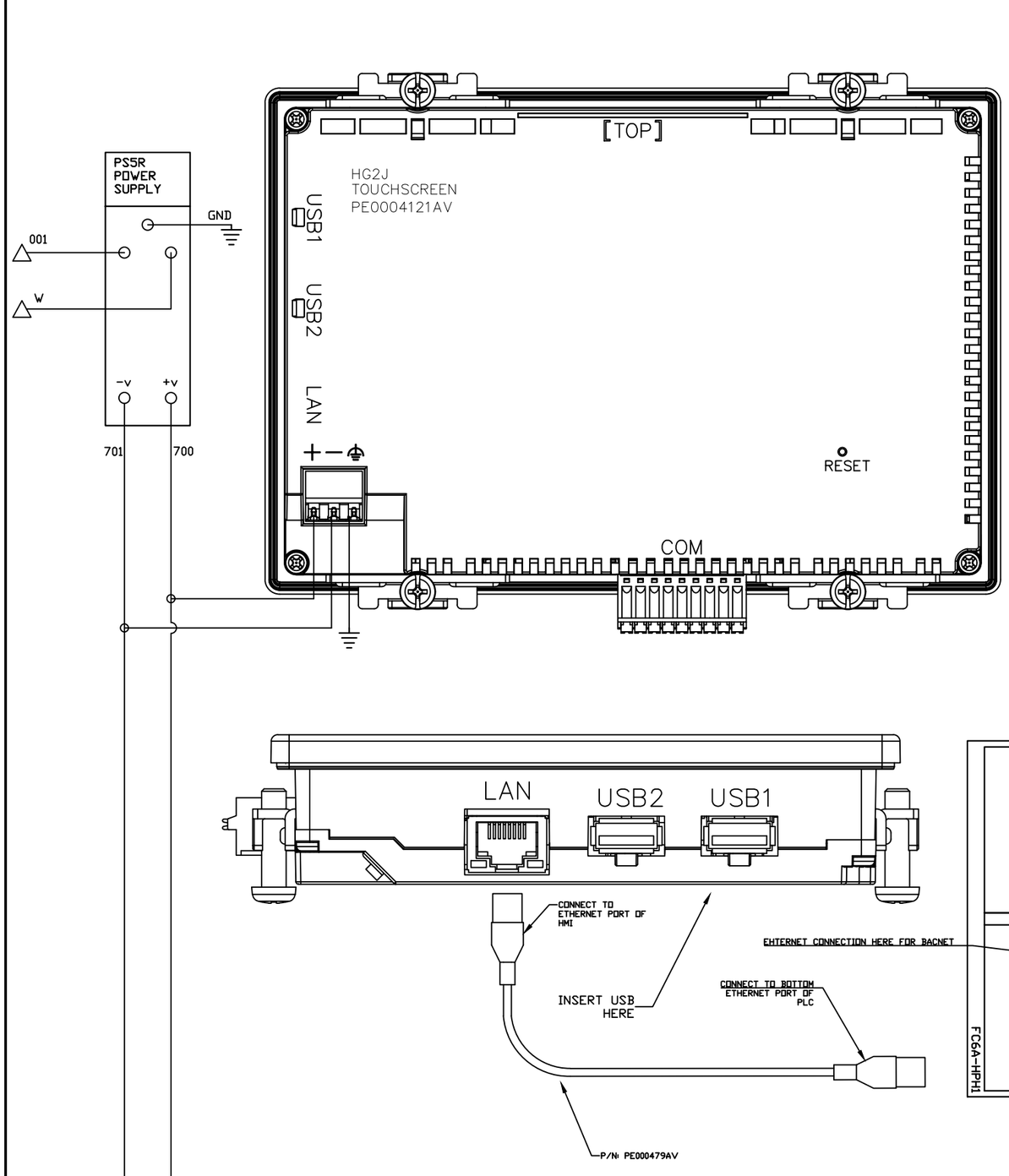
SIZE B

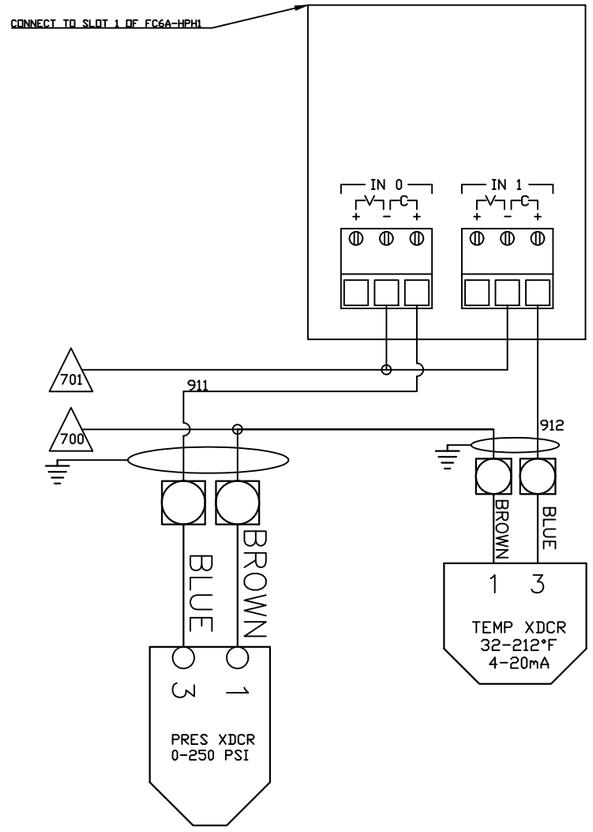
PBEIS-469 B1

WIRE TYPE TABLE

| VOLTAGE | WIRE NUMBERS | GAUGE | COLOR |
|---|---|---|---|
| 120VAC | 001-699 | 16-18AWG | RED/BLK |
| 0VAC | W | 16-18AWG | WHT/BLK |
| 24VDC | 700-999 | 16-18AWG | PURPLE |
| 0VDC | 701 | 16-18AWG | PURPLE |
| GND | - | VARIES | GREEN |
| CUSTOMER SUPPLY | 01-99 | 16AWG | YELLOW |

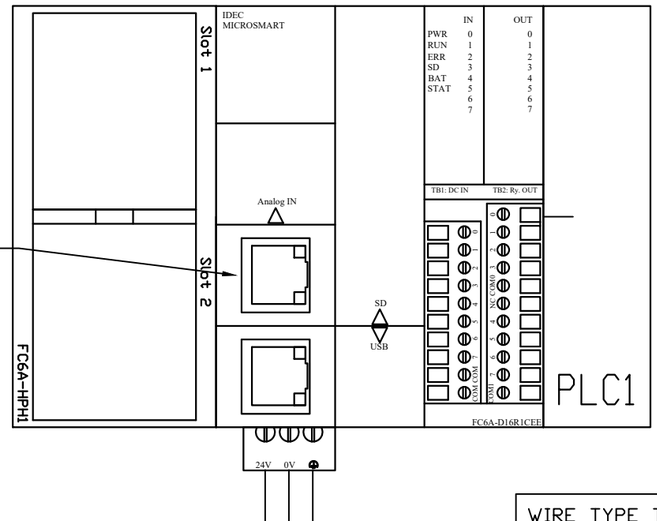
| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |










| WIRE TYPE TABLE | | | |
|---|---|---|---|
| VOLTAGE | WIRE NUMBERS | GAUGE | COLOR |
| 120VAC | 001-699 | 16-18AWG | RED/BLK |
| 0VAC | W | 16-18AWG | WHT/BLK |
| 24VDC | 700-999 | 16-18AWG | PURPLE |
| 0VDC | 701 | 16-18AWG | PURPLE |
| GND | - | VARIES | GREEN |
| CUSTOMER SUPPLY | 01-99 | 16AWG | YELLOW |

OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

DWG. NO.

PBEIS-469

SHEET W-4

SIZE B

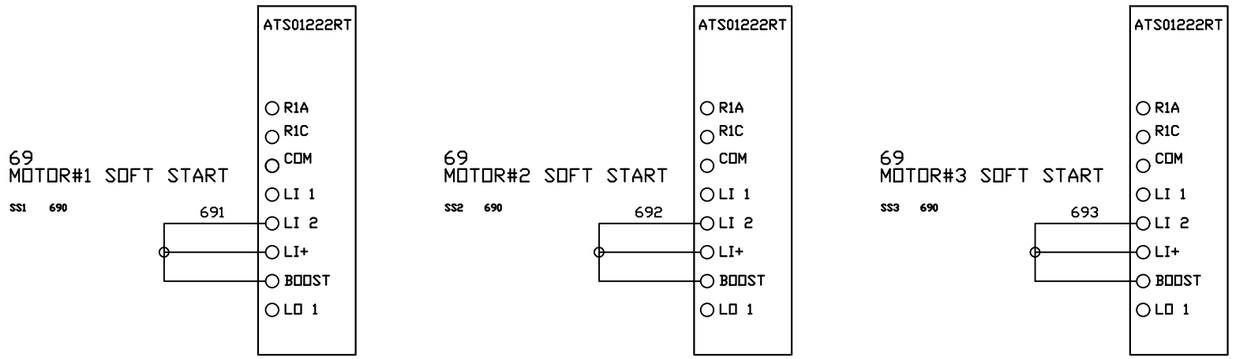
PBEIS-469 B1

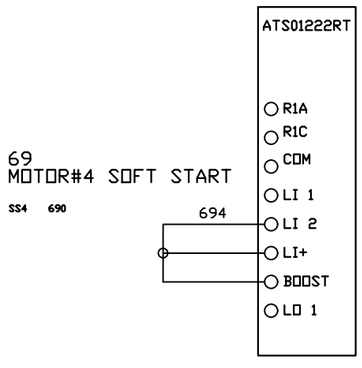
| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |

SET START TIME TO 3-SEC (B)

SET INITIAL VOLT SETTING TO 67% (D)

SET STOP TIME TO 5 SEC (C)




OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

DWG. NO.

PBEIS-469

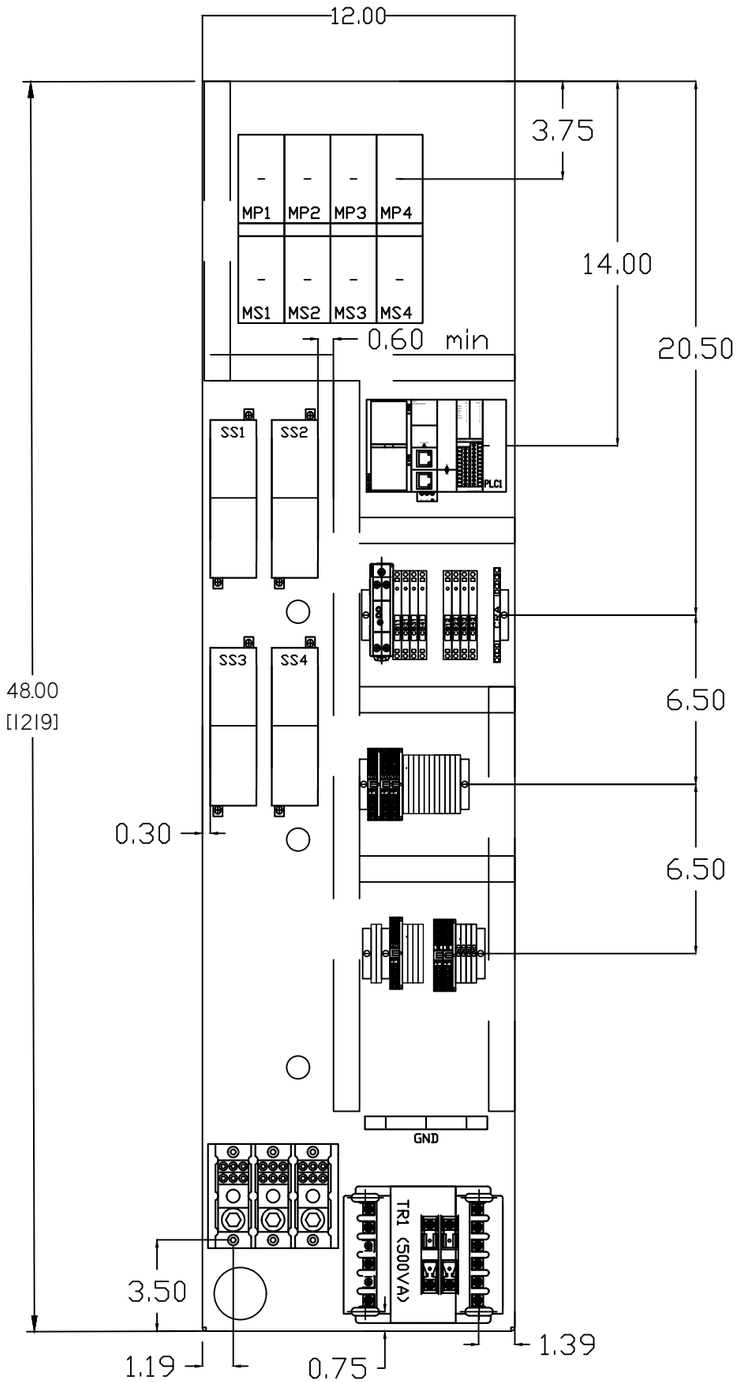
SHEET W-5

SIZE B

PBEIS-469 B1

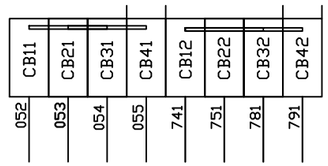
FOR ELECTRICAL ISOLATION OF PUMPS 1-4 TURN OFF CIRCUIT BREAKERS #1 ,2 3, 4, 7, 8, 9 AND 10. TURN OFF MP1, MP2, MP3 AND MP4. THEN PLACE LOCK OR TAG ON EACH DEVICE.

| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |

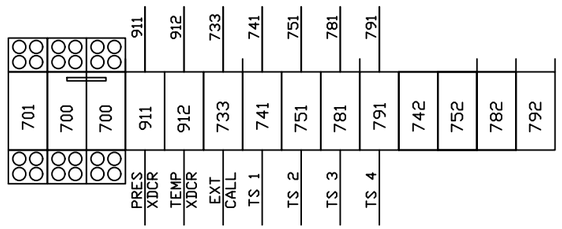



CONTROL PANEL TERMINAL BLOCKS

TOP TERMINAL STRIP

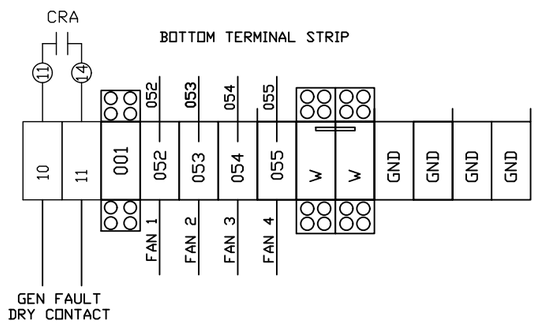



MIDDLE TERMINAL STRIP




CRA

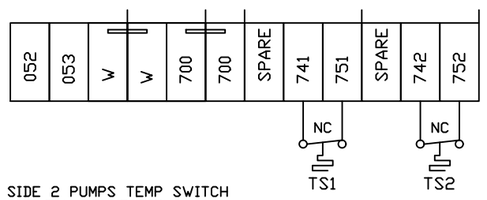
BOTTOM TERMINAL STRIP



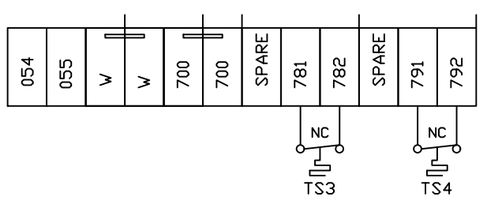

GEN FAULT
DRY CONTACT

FIELD LOCATED TERMINAL BLOCKS

SIDE 1 PUMPS TEMP SWITCH AND FAN CONNECTIONS




SIDE 2 PUMPS TEMP SWITCH AND FAN CONNECTIONS




OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE LAYOUT

DWG. NO.

PBEIS-469

SHEET LA-1

SIZE B

PBEIS-469 B1

| REV | REVISION | DATE | ECN | NAME | CHKD |
|---|---|---|---|---|---|
| B-1 | RELEASE TO PRODUCTION | 05/23/25 | PXEC0667 | SEK | WMM |
| C-1 | REPLACED 5.7" HMI WITH 7" VERSION | 01/14/26 | PXEC0728 | SEK | WMM |

TABLE 1

| PANEL DATA 3ø – 60 Hz 500VA CONTROL CIRCUIT | | | | | (B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER | | |
|---|---|---|---|---|---|---|---|
| PANEL PART NUMBER | MOTOR SIZE EACH | (A) POWER (V/PH) | (A) MOTOR LOAD EACH (FLA) | PANEL LOAD TOTAL (FLA) | NONTIME DELAY FUSE | TIME-DELAY FUSE | INVERSE-TIME CIRCUIT BREAKER |
| PBEIS469A2AJ | 10 | 208V/3ø | 25.4 | 104.0 | 175A | 125A | 150A |
| PBEIS469A3AJ | 10 | 230V/3ø | 23.7 | 97.0 | 150A | 125A | 150A |
| PBEIS469A4AJ | 10 | 460V/3ø | 11.9 | 48.7 | 80A | 60A | 70A |

NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE

TABLE 1

| PANEL DATA 3ø – 60 Hz 500VA CONTROL CIRCUIT | | | | | (B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER | | |
|---|---|---|---|---|---|---|---|
| PANEL PART NUMBER | MOTOR SIZE EACH | (A) POWER (V/PH) | (A) MOTOR LOAD EACH (FLA) | PANEL LOAD TOTAL (FLA) | NONTIME DELAY FUSE | TIME-DELAY FUSE | INVERSE-TIME CIRCUIT BREAKER |
| PBEIS46972AJ | 7.5 | 208V/3ø | 19.2 | 79.2 | 125A | 100A | 110A |
| PBEIS46973AJ | 7.5 | 230V/3ø | 17.7 | 73.0 | 110A | 90A | 100A |
| PBEIS46974AJ | 7.5 | 460V/3ø | 8.87 | 36.6 | 60A | 45A | 50A |

NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE

OPTIONAL:

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| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|---|---|---|
| SEK | WMM | WMM |
| 05/23/25 | 05/23/25 | 05/23/25 |

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE DATA

DWG. NO.

PBEIS-469

SHEET D-1

SIZE B