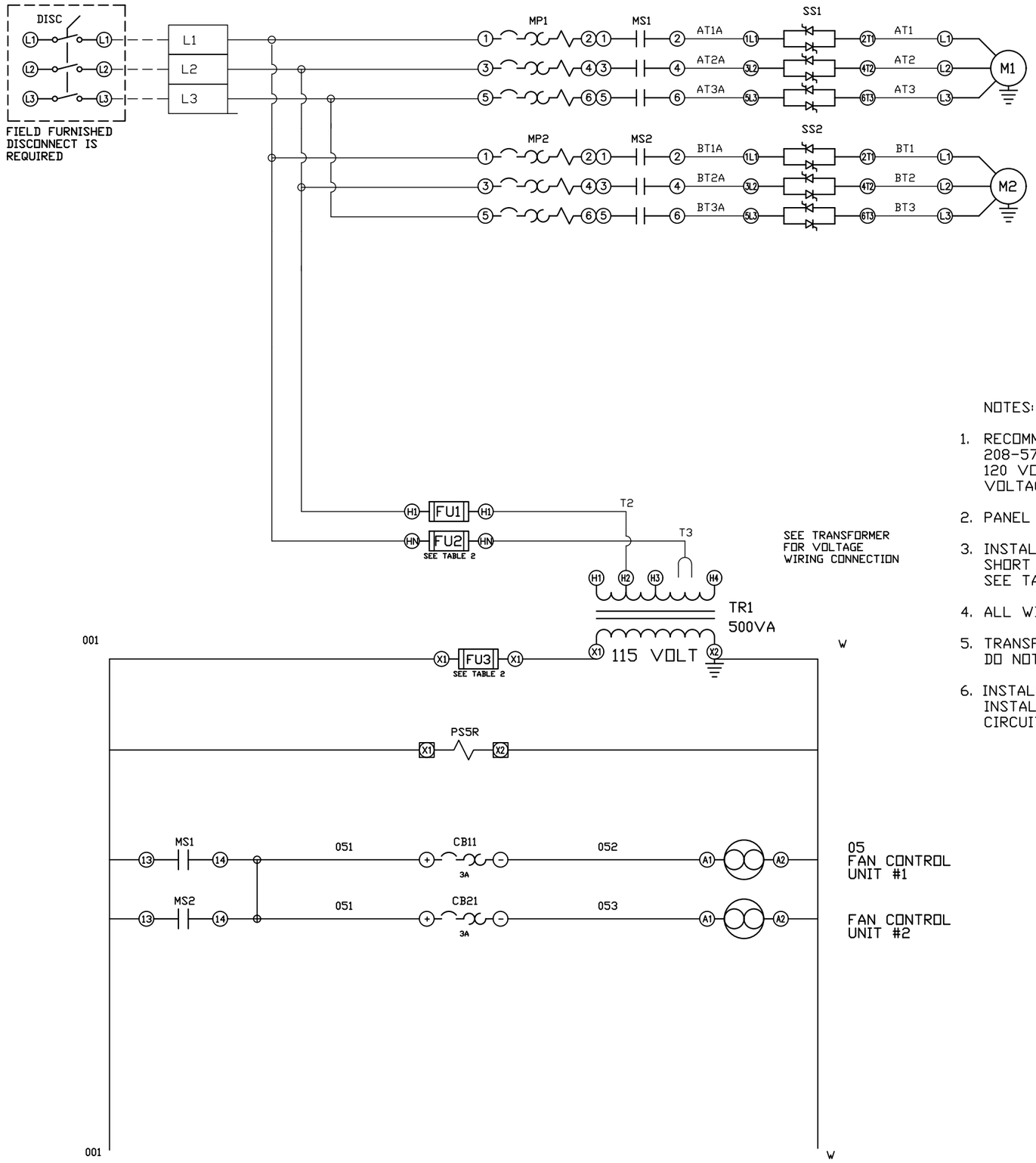
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
C-1	REPLACED 5.7" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



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 /200 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	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE
PX ENCL SCROLL
HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE WIRING

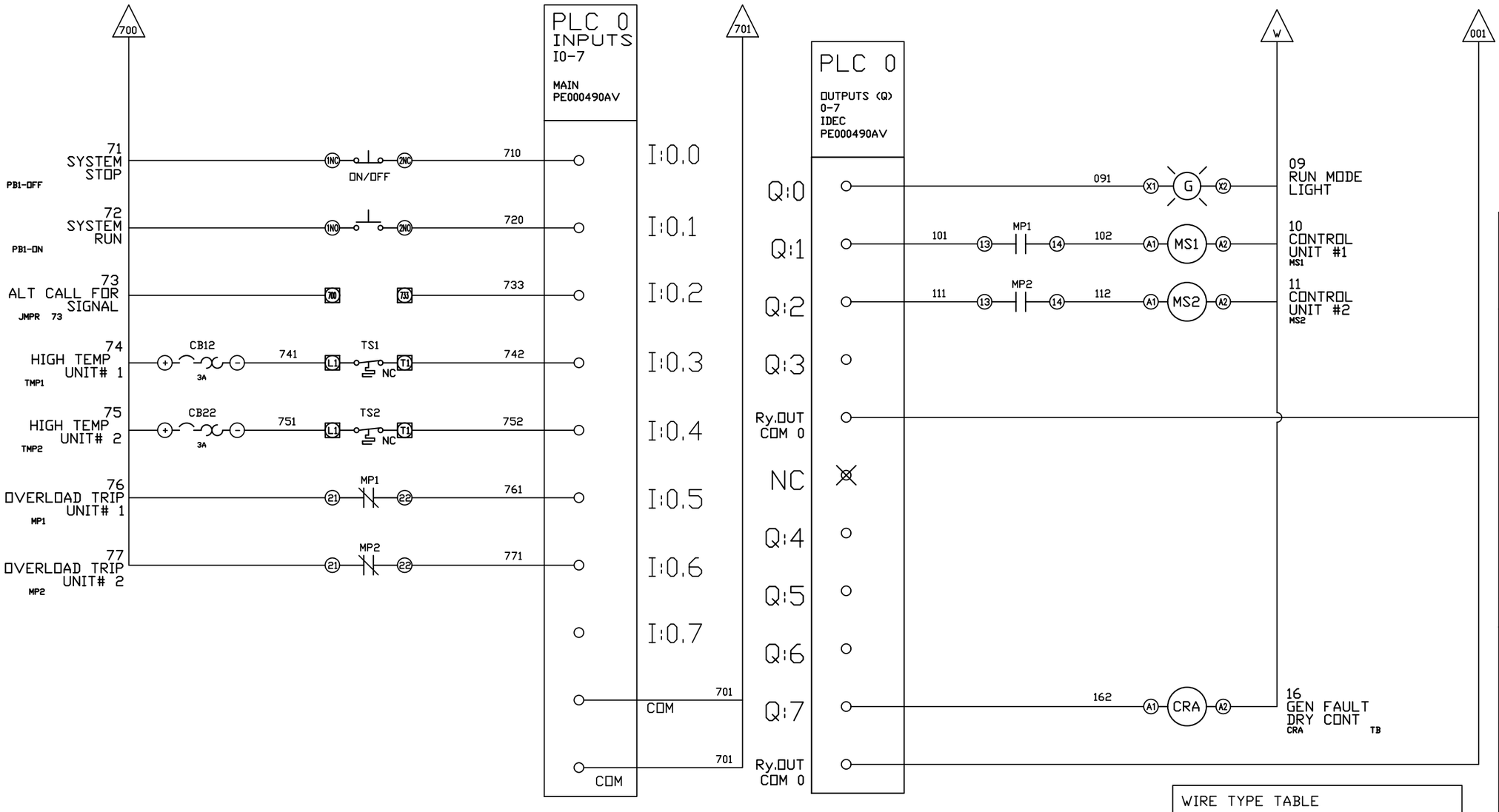
DWG. NO.
PBEIS-269

SHEET W-1

SIZE B

PBEIS-269

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
C-1	REPLACED 5.7" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE

PX ENCL SCROLL

HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE WIRING

DWG. NO.

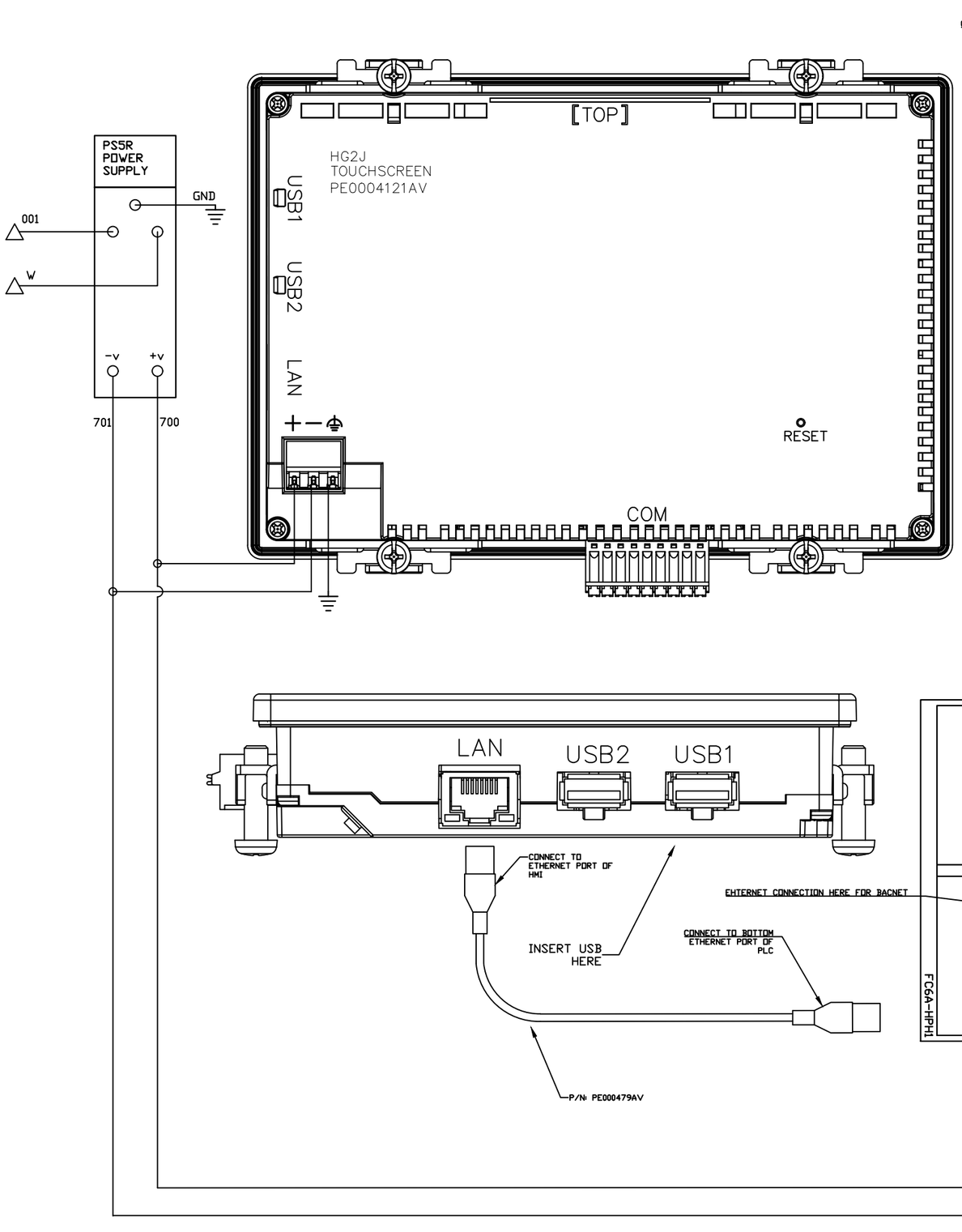
PBEIS-269

SHEET W-2

SIZE B

PBEIS-269

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
C-1	REPLACED 5.7" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE

PX ENCL SCROLL

HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE WIRING

DWG. NO.

PBEIS-269

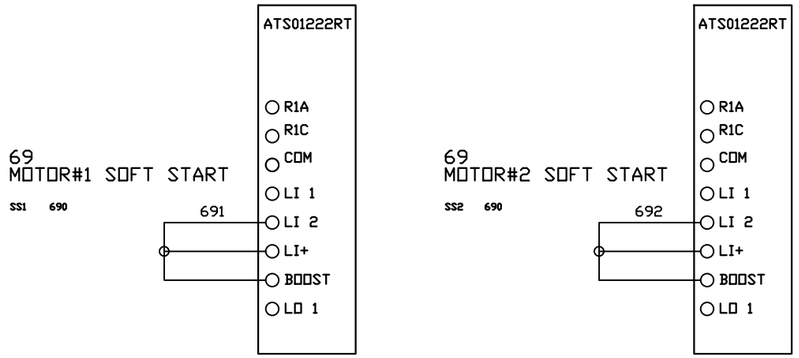
SHEET W-3

SIZE B

SET START TIME TO 3-SEC (B)

SET INITIAL VOLT SETTING TO 67% (D)

SET STOP TIME TO 5 SEC (C)



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
C-1	REPLACED 5.7" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM

OPTIONAL:

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE

PX ENCL SCROLL

HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE WIRING

DWG. NO.

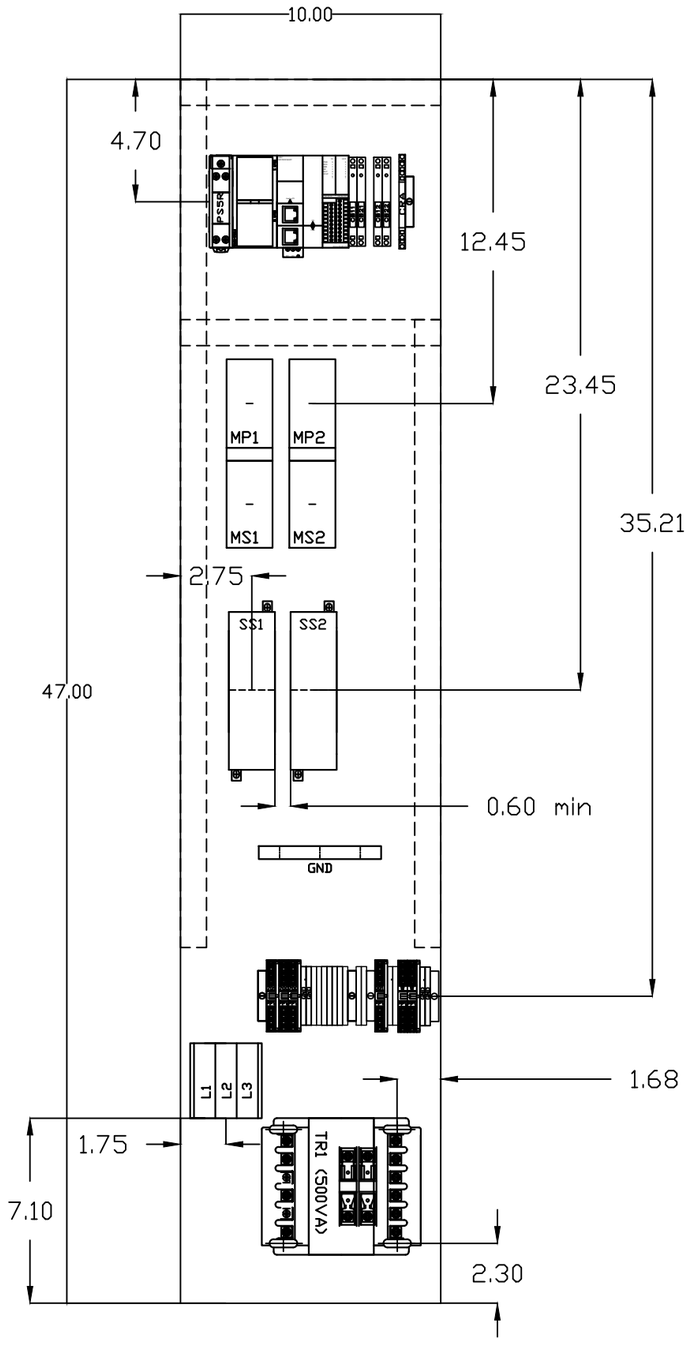
PBEIS-269

SHEET W-4

SIZE B

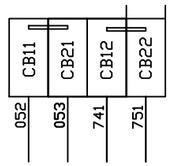
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
C-1	REPLACED 5.7" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM

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

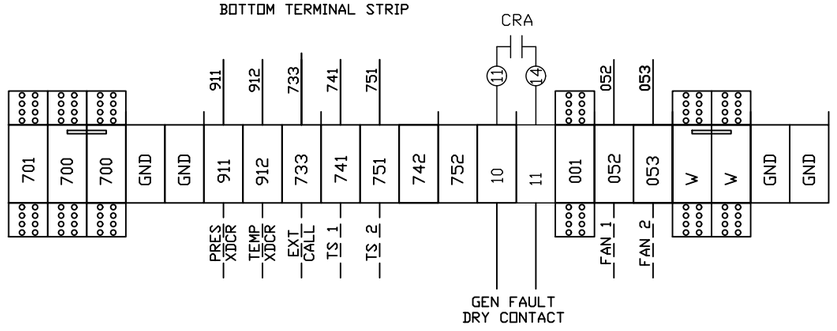


CONTROL PANEL TERMINAL BLOCKS

TOP TERMINAL STRIP

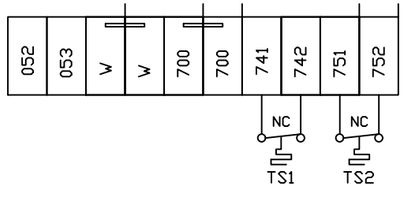


BOTTOM TERMINAL STRIP



FIELD LOCATED TERMINAL BLOCKS

SIDE 1 PUMPS TEMP SWITCH AND FAN CONNECTIONS



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE

PX ENCL SCROLL

HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE LAYOUT

DWG. NO.

PBEIS-269

SHEET LA-1

SIZE B

PBEIS-269

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/12/25	PXEC0667	BTS	SEK
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
PBEIS269A2AJ	10	208V/3ø	25.4	53.2	110A	80A	100A
PBEIS269A3AJ	10	230V/3ø	23.7	49.6	100A	70A	90A
PBEIS269A4AJ	10	460V/3ø	11.9	24.9	50A	35A	45A

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
PBEIS26972AJ	7.5	208V/3ø	19.2	40.8	80A	60A	70A
PBEIS26973AJ	7.5	230V/3ø	17.7	37.6	80A	60A	70A
PBEIS26974AJ	7.5	460V/3ø	8.87	18.8	40A	30A	35A

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
BTS	SEK	JRD
06/12/25	06/12/25	06/12/25

PANEL TYPE

PX ENCL SCROLL

HMI, BACNET, WEBSRVR, NFPA, SOFT START

DWG. TYPE DATA TABLE

DWG. NO.

PBEIS-269

SHEET D-1

SIZE B