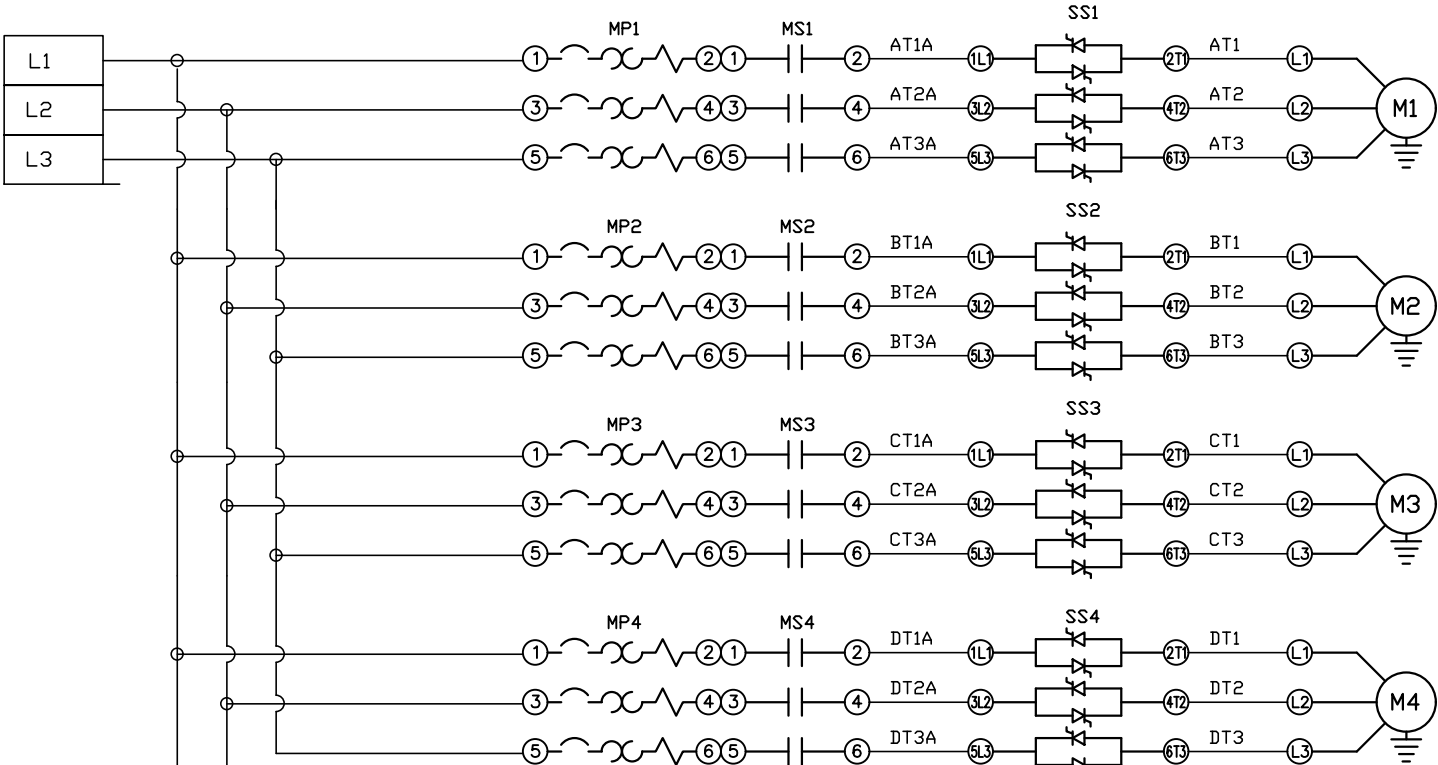


REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	05/23/25	PXEC0667	SEK	WMM



A
POWER
UNIT #1
MP1 10

UNIT POWER DATA
SEE DATA TABLE

B
POWER
UNIT #2
MP2 11

C
POWER
UNIT #3
MP3 12

D
POWER
UNIT #4
MP4 13

NOTES:

- RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
208-575 VOLT POWER 35 POUND INCHES
120 VOLT POWER AND CONTROL VOLTAGE 15 POUND INCHES
- PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
- INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1 FOR REQUIRMENTS.
- ALL WIRES MUST BE LABELED ON BOTH ENDS
- TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES
- 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	208	230	460	575
	TYPE	VOLT	VOLT	380	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

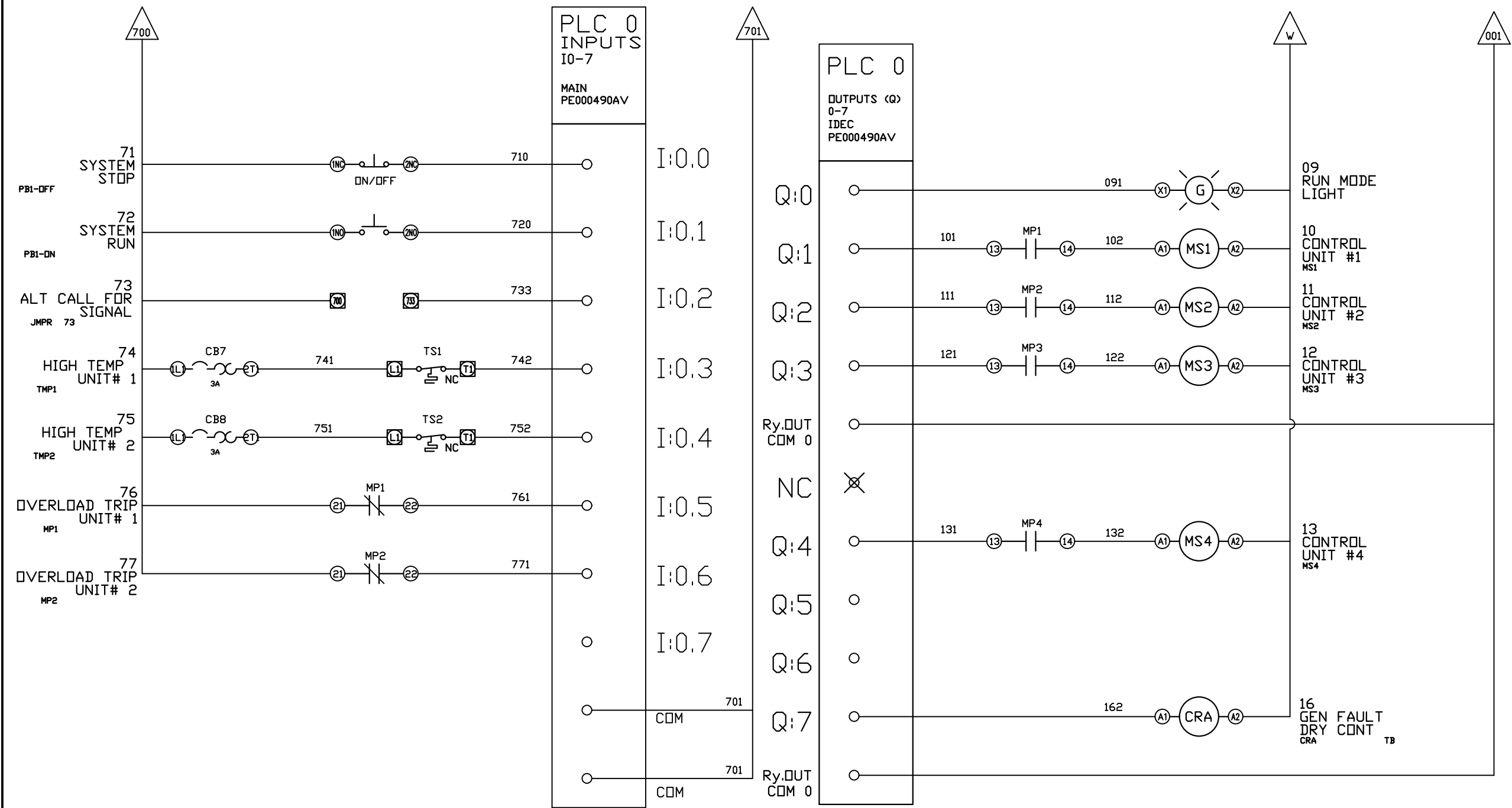
SHEET

W-1

SIZE

B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	05/23/25	PXEC0667	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.

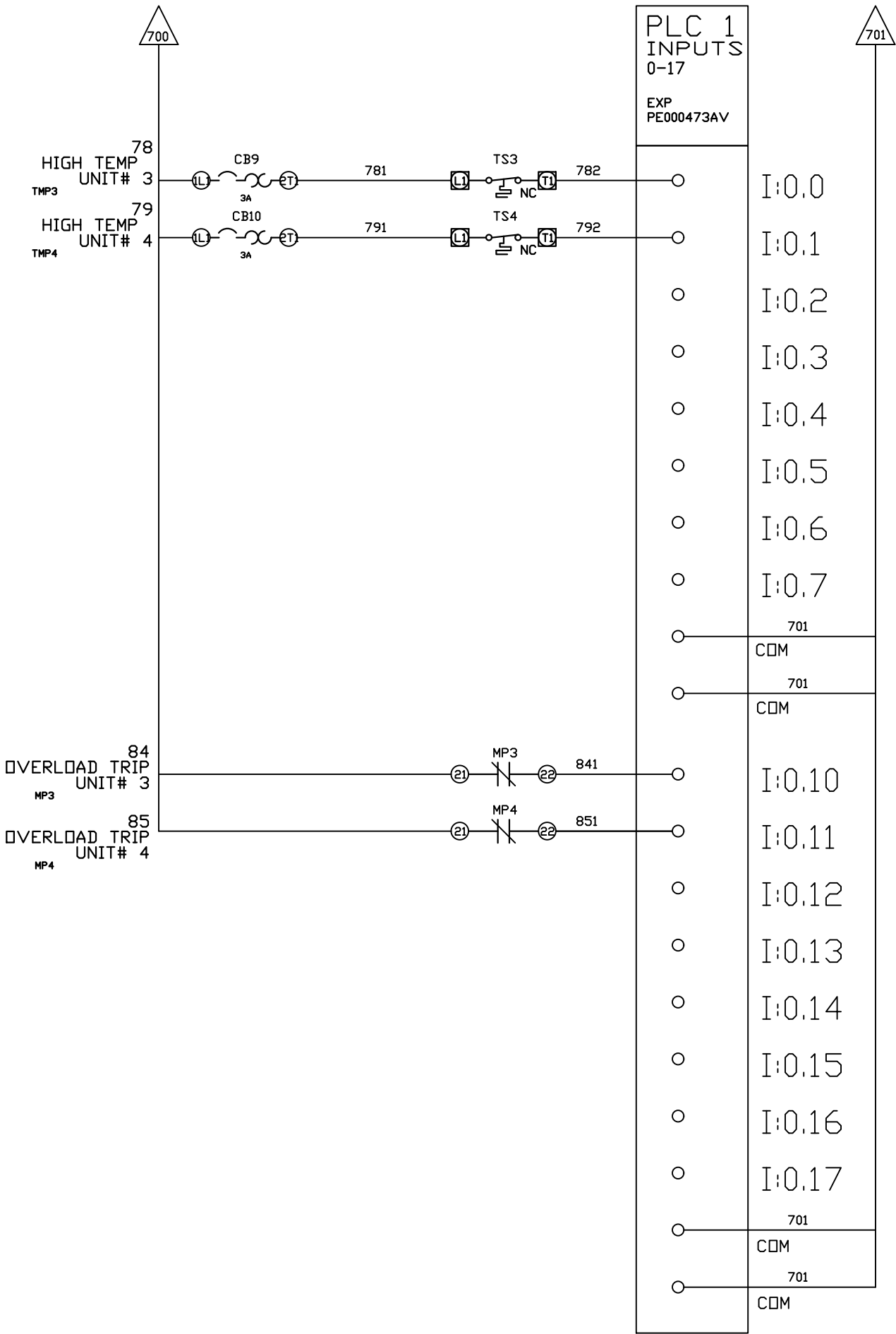
PBEIS-469

SHEET W-2

SIZE B

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



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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

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

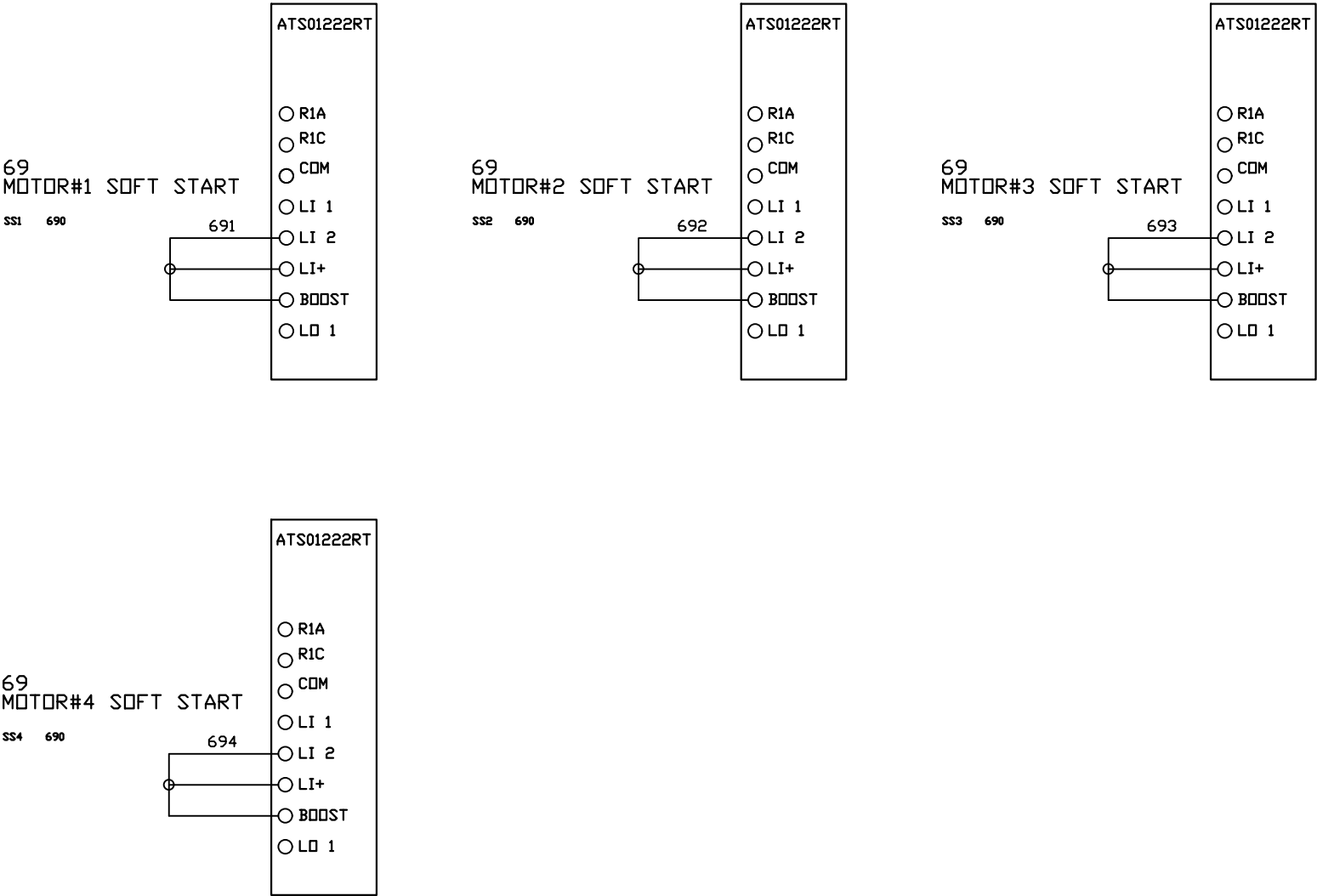
SHEET	SIZE
W-3	B

SET START TIME TO 3-SEC (B)

SET INITIAL VOLT SETTING TO 67% (D)

SET STOP TIME TO 60 SEC (C)

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	05/23/25	PXEC0667	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

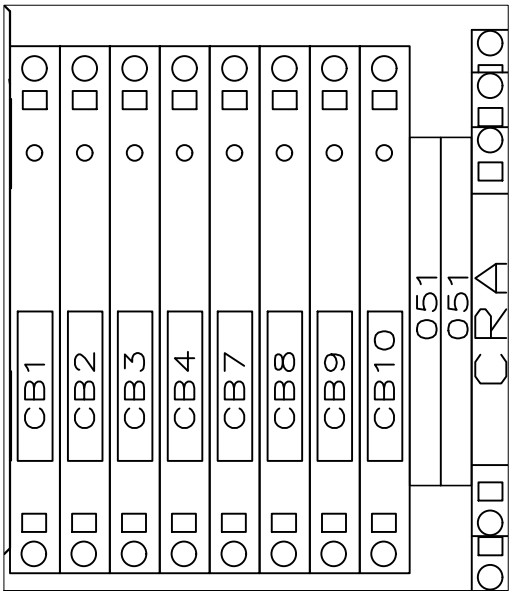
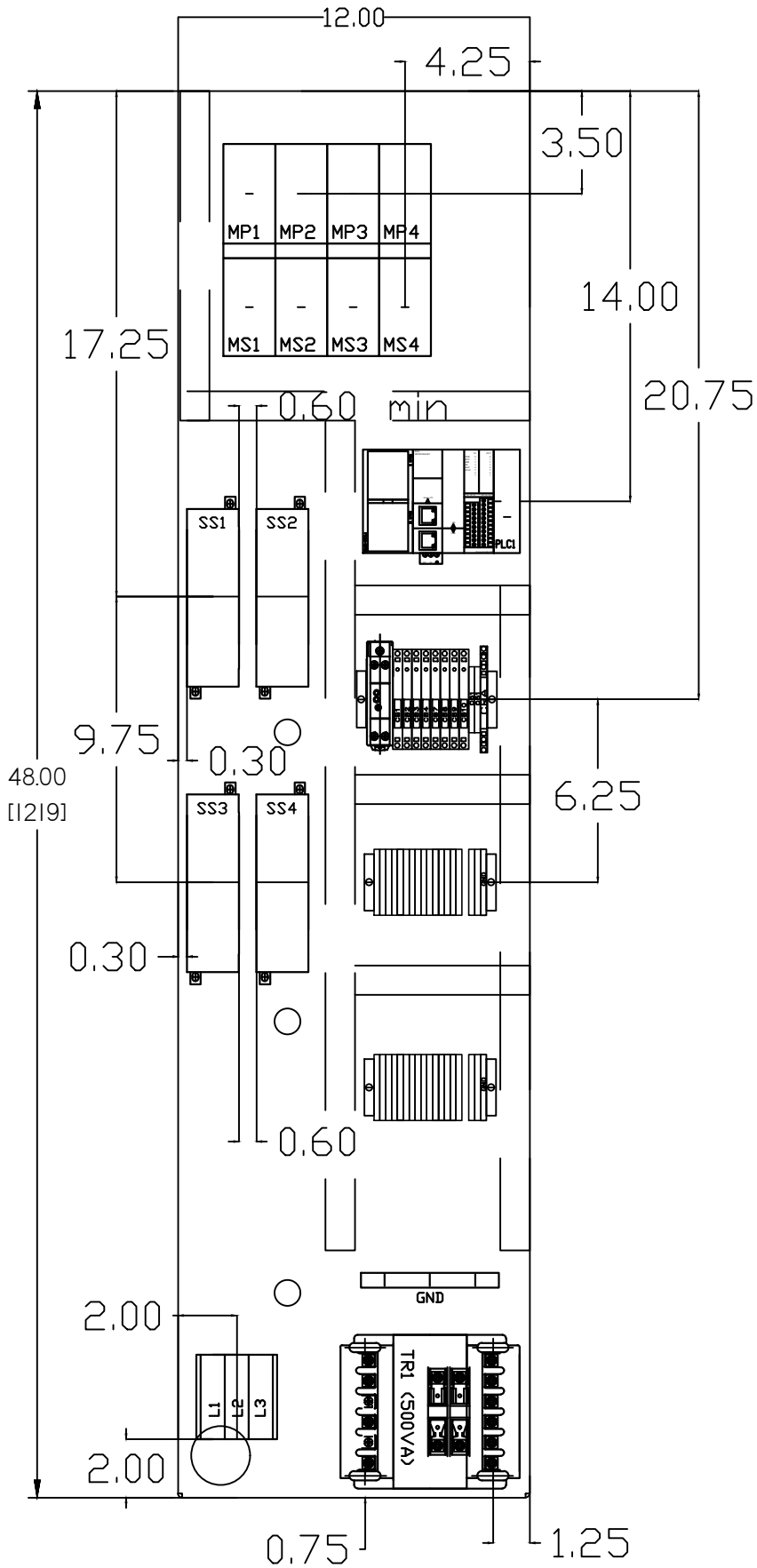
DWG. NO.
PBEIS-469

SHEET W-5	SIZE B
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PBEIS-469 B1

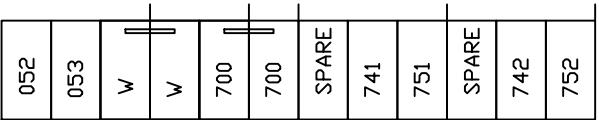
FOR ELECTRICAL ISOLATION OF PUMPS 1-4
TURN OFF CIRCUIT BREAKERS #1 ,2 3, 4, 7,
8, 9 AND 10. TURN OFF MP1, MP2, MP3 AND
MP4. THEN PLACE LOCK OR TAG ON EACH
DEVICE.

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	05/23/25	PXEC0667	SEK	WMM

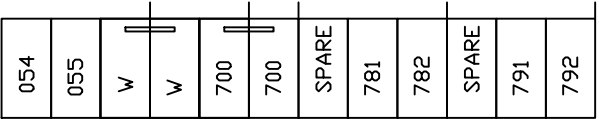


FIELD LOCATED TERMINAL BLOCKS

SIDE 1 PUMPS TEMP SWITCH
AND FAN CONNECTIONS

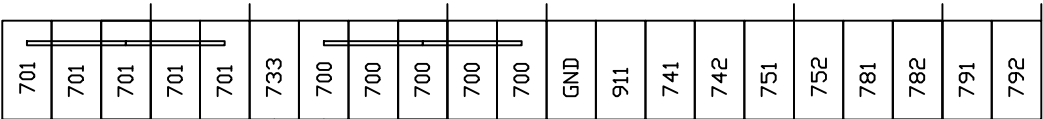


SIDE 2 PUMPS TEMP SWITCH
AND FAN CONNECTIONS



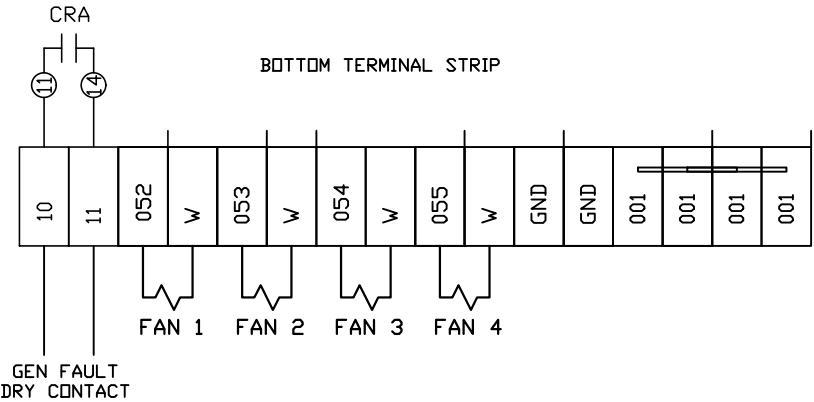
CONTROL PANEL TERMINAL BLOCKS

TOP TERMINAL STRIP



EXTERNAL
CONTROL
CONNECTION
(WHEN ENABLED)

BOTTOM TERMINAL STRIP



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	SIZE
LA-1	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	05/23/25	PXEC0667	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							

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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
PBEIS-469 B1	