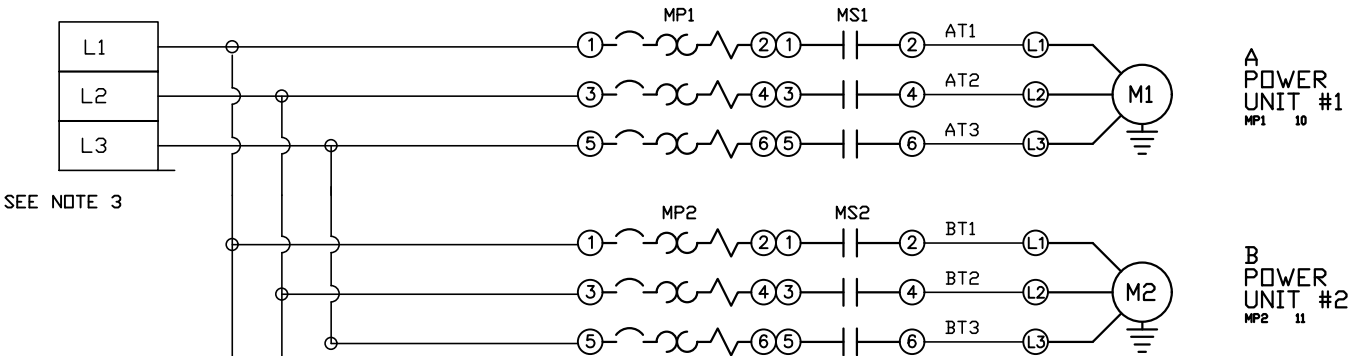


REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLDCKS	10/2/25	PXEC0718	MJV	JA



SEE TRANSFORMER
FOR VOLTAGE
WIRING CONNECTION

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

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	001-599	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
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

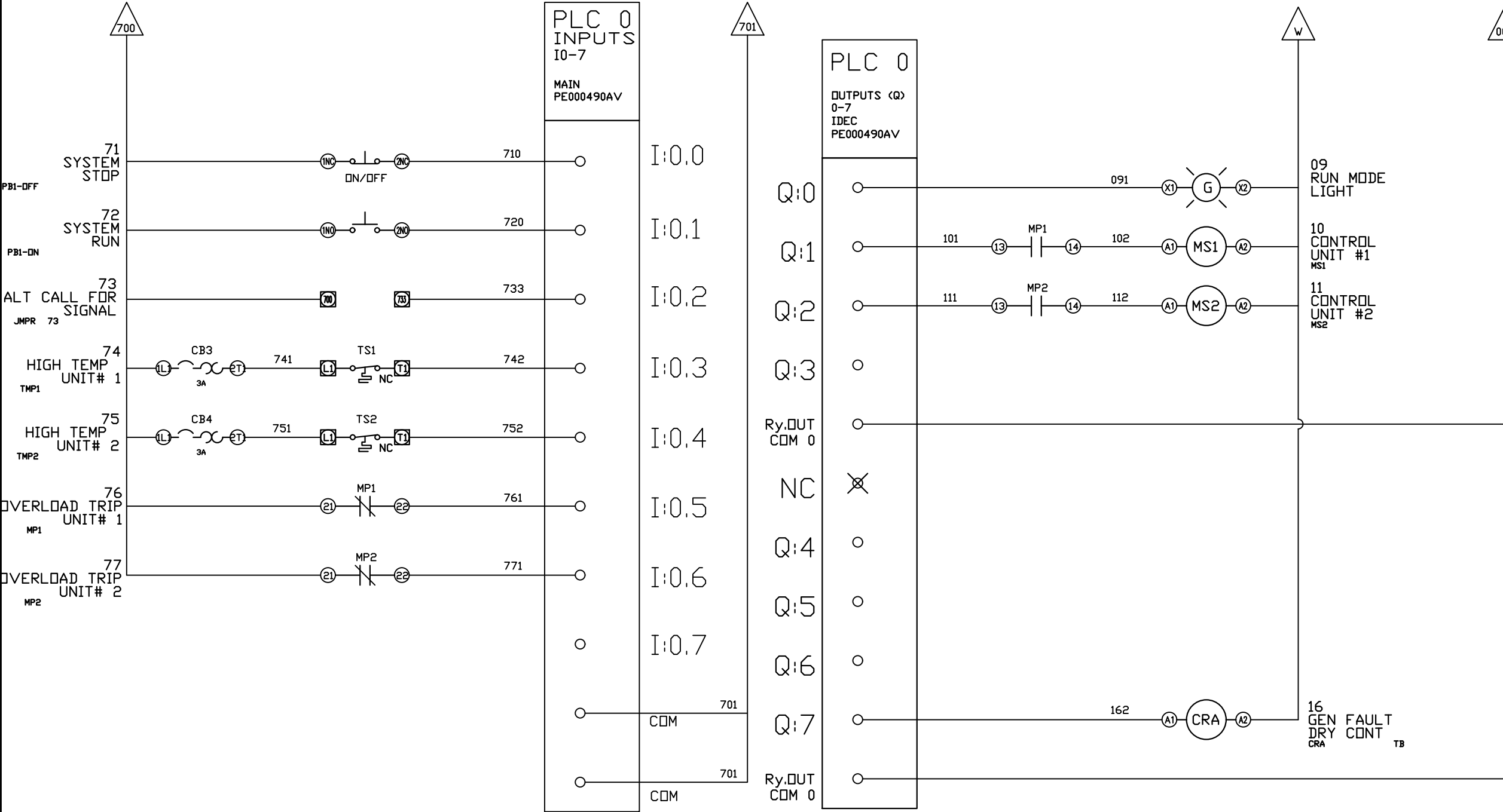
PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET

DWG. TYPE WIRING

DWG. NO.
PBEI-269

SHEET
1 OF 3
SIZE
B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLDCKS	10/2/25	PXEC0718	MJV	JA



OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET

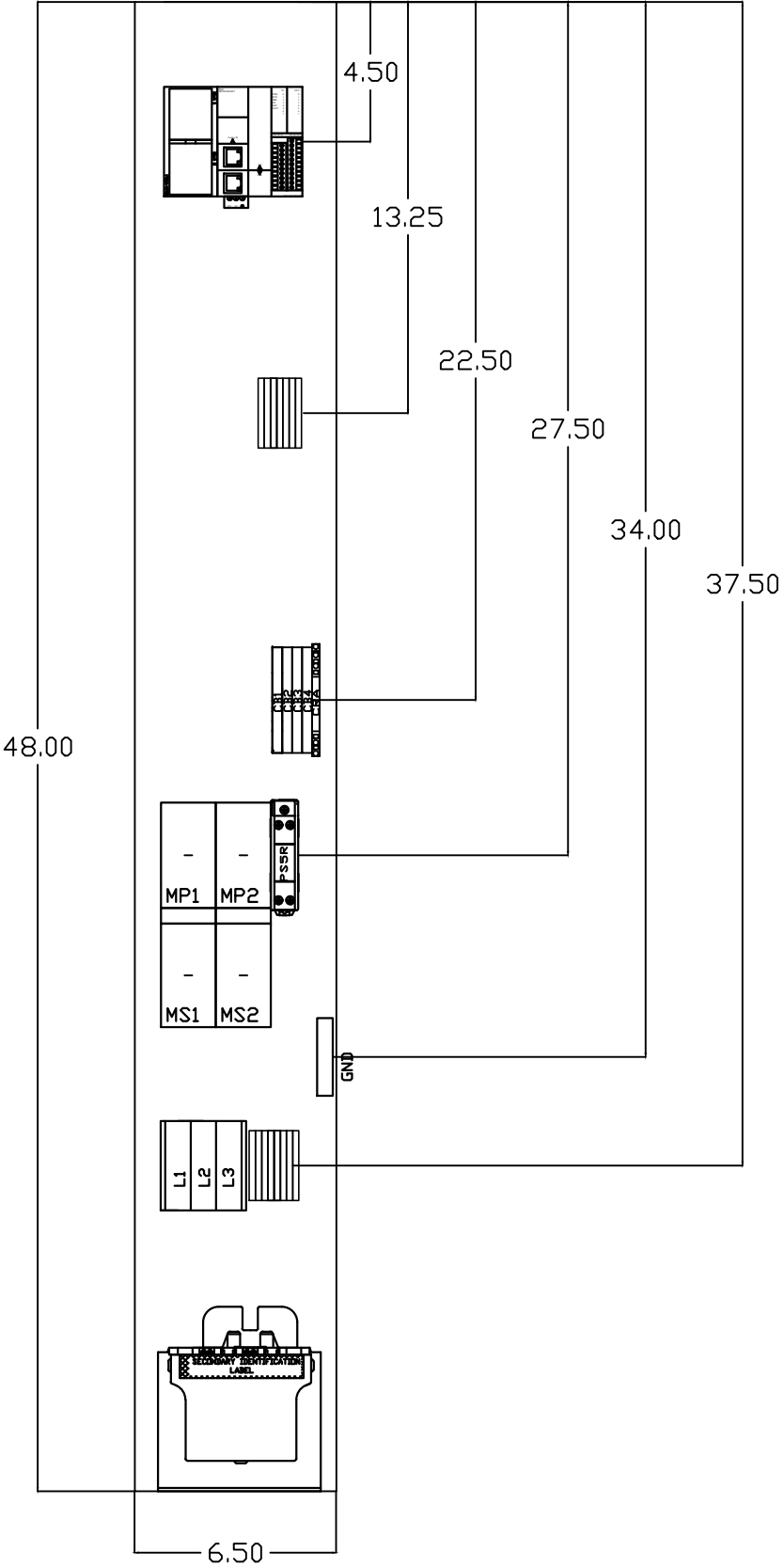
DWG. TYPE WIRING

DWG. NO.

PBEI-269

SHEET	SIZE
2 OF 3	B

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



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLOCKS	10/2/25	PXEC0718	MJV	JA

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

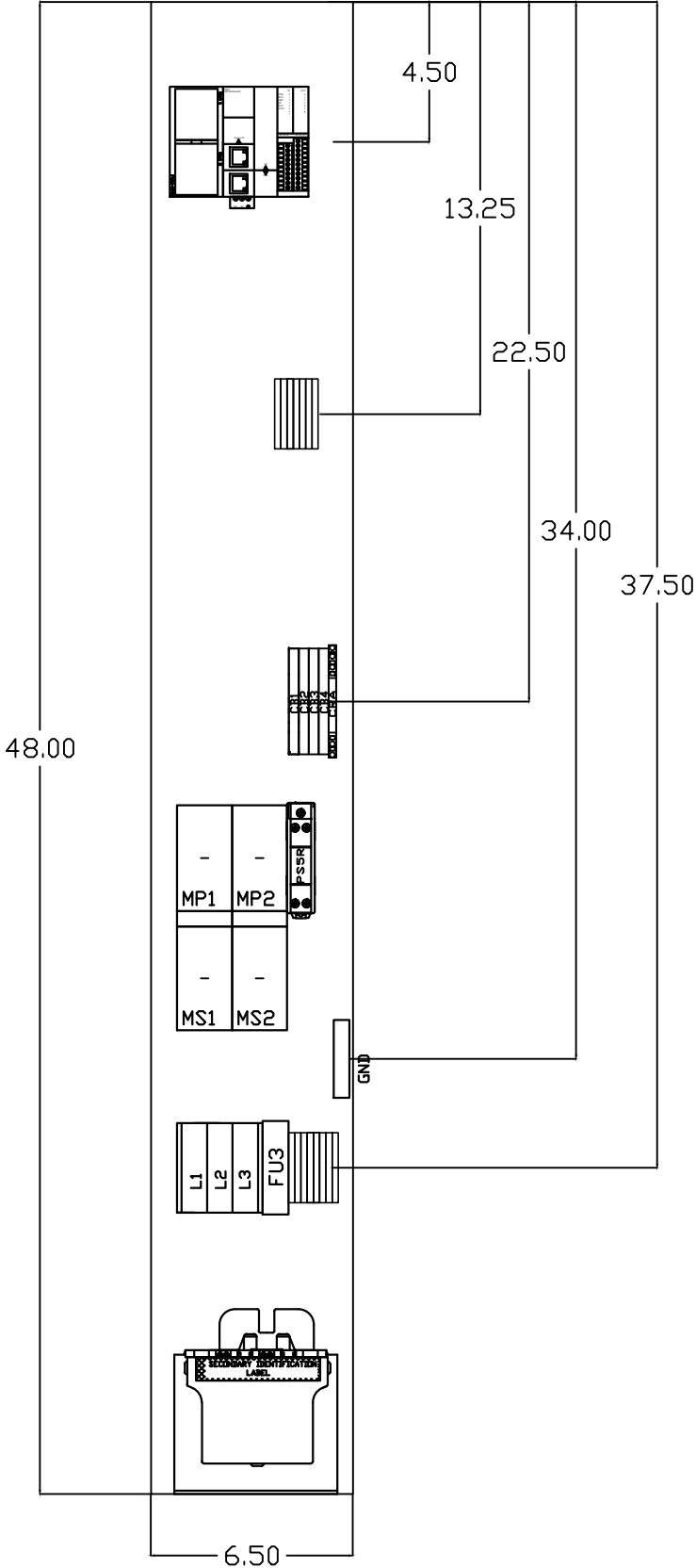
PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET

DWG. TYPE
LAYOUT - 5HP

DWG. NO.
PBEI-269

SHEET	SIZE
1 OF 1	B

PBEI-269 J1



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLOCKS	10/2/25	PXEC0718	MJV	JA

OPTIONAL:

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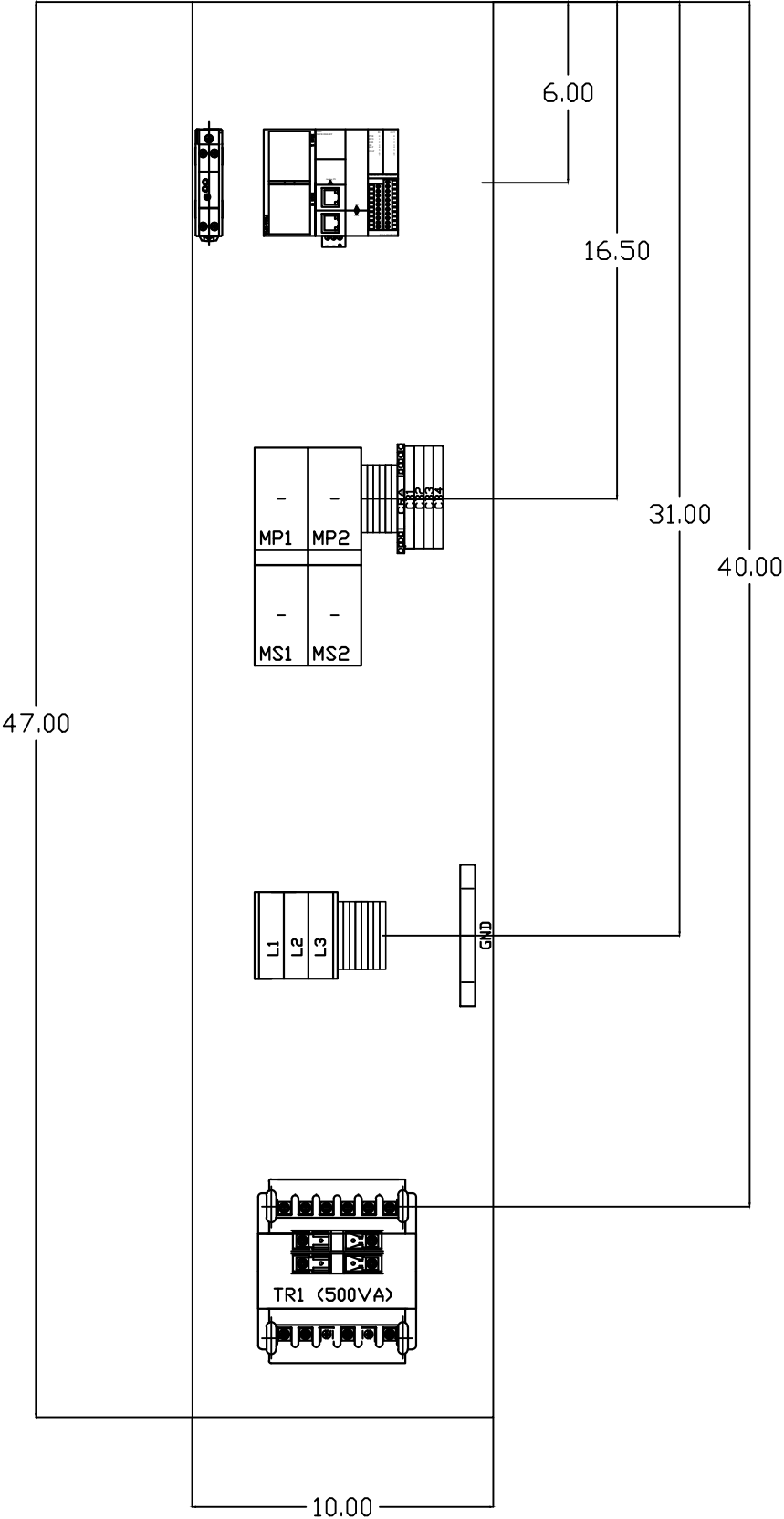
DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET

DWG. TYPE LAYOUT - 5HP/380V

DWG. NO. PBEI-269

SHEET	SIZE
1 OF 1	B



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLCKS	10/2/25	PXEC0718	MJV	JA

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET

DWG. TYPE LAYOUT - 7.5/10HP

DWG. NO.

PBEI-269

SHEET	SIZE
1 OF 1	B

PBEI-269 J1

TABLE 1	P/N	MOTOR FULL LOAD AMPS	TOTAL FULL LOAD AMPS	NON-TIME DELAY FUSE	TIME DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
208V (3Ø)	A2AJ	14.9	32.2	70	45	60
	72AJ	21.1	44.2	90	70	80
	B2AJ	26.5	55.4	110	80	100
230V (3Ø)	A3AJ	13	28.2	60	40	50
	73AJ	17.3	36.8	80	50	70
	B3AJ	23	48.2	100	70	90
460V (3Ø)	A4AJ	6.49	14.1	30	20	25
	74AJ	8.87	18.8	40	30	35
	B4AJ	11.5	24.1	50	35	45
380V (3Ø) 50HZ	A8AJ	7.88	17.1	35	25	30
575V (3Ø)	A7AJ	5.12	11.1	25	15	20

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/17/14	PXEC0067	DMS	KMD
C-1	ADDED 7. 5 & 10 HP DATA	04/07/16	PXEC0089	KMD	AJL
D-1	UPDATED 5HP 208V DATA	07/12/24	PXEC0631	VAG	VAG
D-2	UPDATED 10HP 208V DATA	10/16/24	PXEC0631	JRD	JRD
E-1	BORDER UPDATE, TFLA REVIEW W/NEW FORM	10/17/24	PXEC0616	VAG	VAG
N-1	UPDATING TERMINAL BLDCKS	10/2/25	PXEC0718	MJV	JA

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
DMS	KMD	DMS
07/17/14	07/17/14	07/17/14

PANEL TYPE

SED DATA TABLE
SED DUPLEX PANEL DATA

DWG. TYPE MISC

DWG. NO.

DATA TABLE

SHEET	SIZE
D-1	B

DUPLEX PANEL DATA

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLDCKS	10/2/25	PXEC0718	MJV	JA

TABLE 1 PANEL DATA 3Ø – 60 Hz								
(A) LOAD SPECIFCATIONS						(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE EA	POWER (V/PH)	MOTOR	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE (A)	TIME–DELAY FUSE (A)	INVERSE–TIME CIRCUIT BREAKER (A)
–A2AJ	5	200V/3Ø	MC301600AV	15.1	32.7	70	45	60
–A2AJ	5	208V/3Ø	MC301595AV	13.9	30.2	60	45	60
–A3AJ	5	230V/3Ø	MC301595AV	13.4	29.0	60	40	50
–A4AJ	5	460V/3Ø	MC301595AV	6.7	14.5	30	20	25
–B7AJ	10	575V/3Ø	MC304239AV	9.2	19.3	40	30	35
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
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE

PX ENCL SCROLL
GEN FLT BACNET

DWG. TYPE DATA

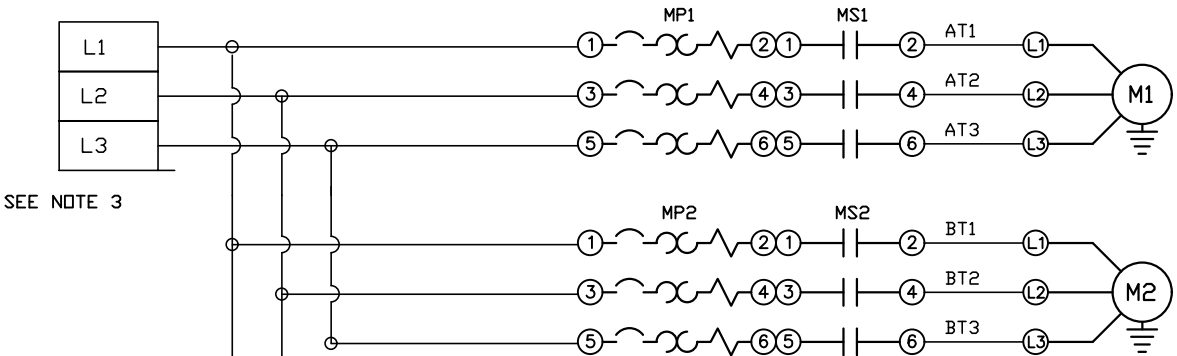
DWG. NO.

PBEI-269

SHEET	SIZE
1 OF 1	B

PBEI-269 J1

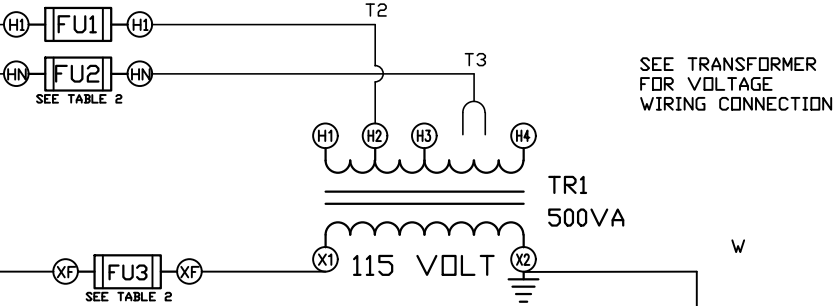
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLDCKS	10/2/25	PXEC0718	MJV	JA



A
POWER
UNIT #1
MP1 10

B
POWER
UNIT #2
MP2 11

UNIT POWER DATA
SEE DATA TABLE



SEE TRANSFORMER
FOR VOLTAGE
WIRING CONNECTION

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

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	001-599	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
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET, HEAT MNGR

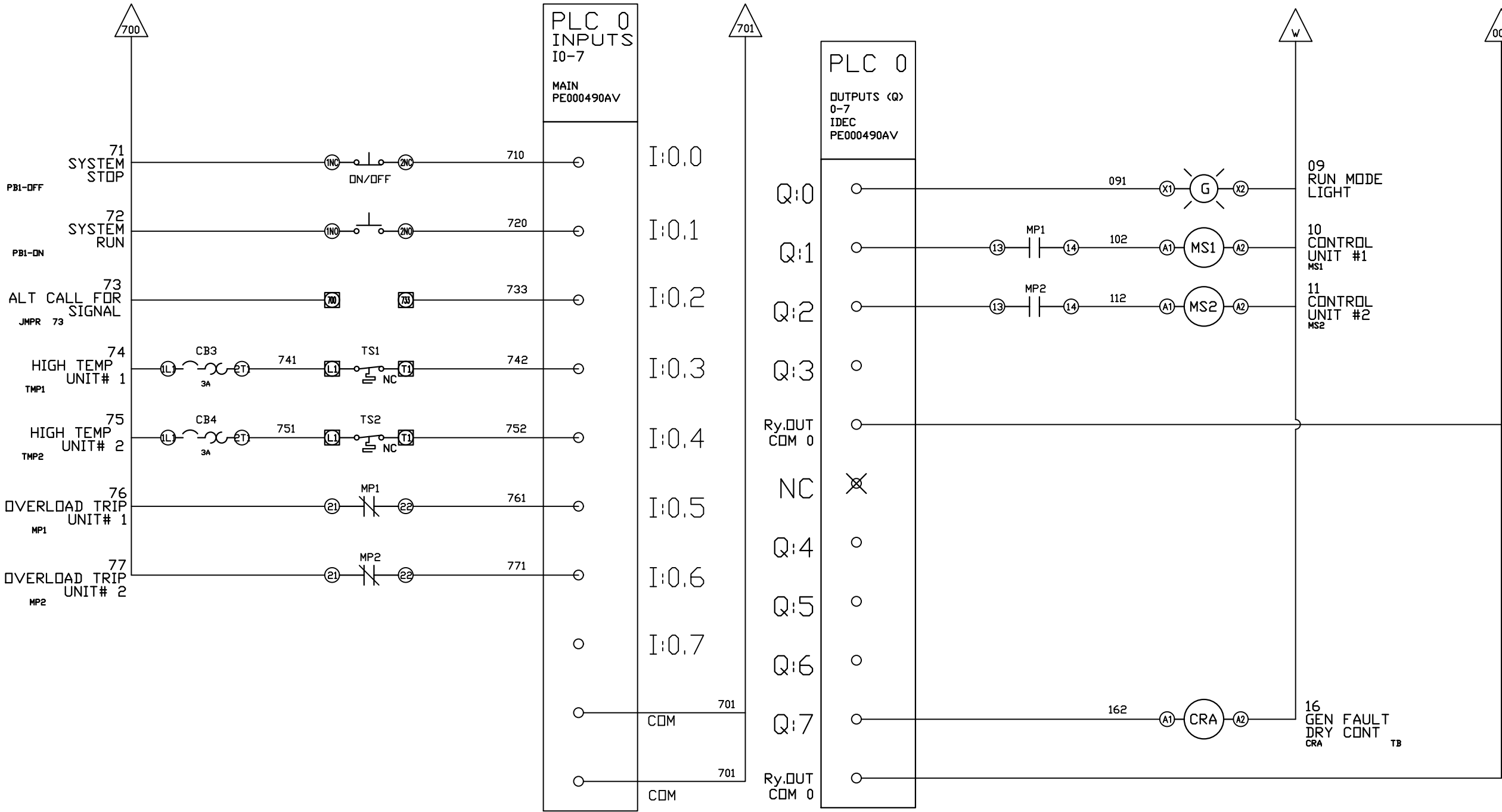
DWG. TYPE WIRING

DWG. NO.

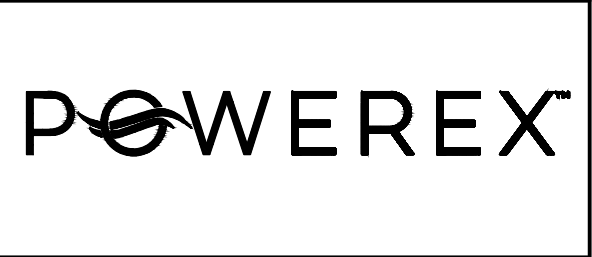
PBEI-269

SHEET	SIZE
1 OF 4	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
M-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD



OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET, HEAT MNGR

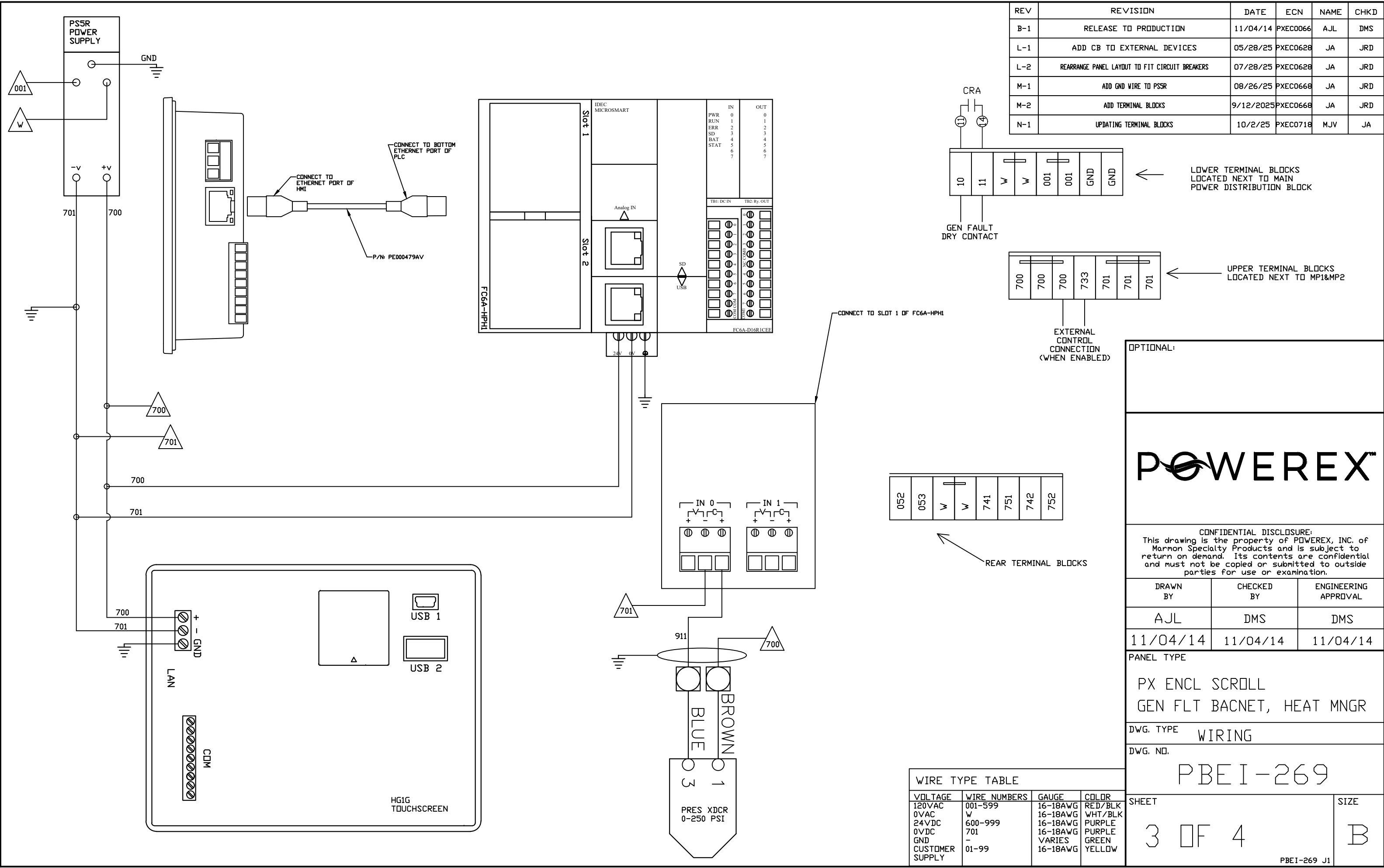
DWG. TYPE WIRING

DWG. NO.

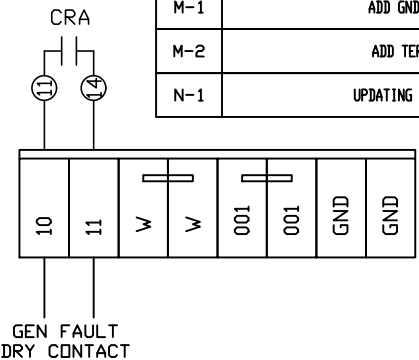
PBEI-269

SHEET	SIZE
2 OF 4	B

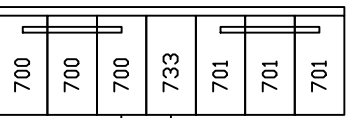
WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
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0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	11/04/14	PXEC0066	AJL	DMS
L-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
L-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
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M-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD
N-1	UPDATING TERMINAL BLOCKS	10/2/25	PXEC0718	MJV	JA



LOWER TERMINAL BLOCKS
LOCATED NEXT TO MAIN
POWER DISTRIBUTION BLOCK



UPPER TERMINAL BLOCKS
LOCATED NEXT TO MP1&MP2

EXTERNAL
CONTROL
CONNECTION
(WHEN ENABLED)

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
AJL	DMS	DMS
11/04/14	11/04/14	11/04/14

PANEL TYPE
PX ENCL SCROLL
GEN FLT BACNET, HEAT MNGR

DWG. TYPE
WIRING

DWG. NO.
PBEI-269

SHEET	SIZE
3 OF 4	B

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