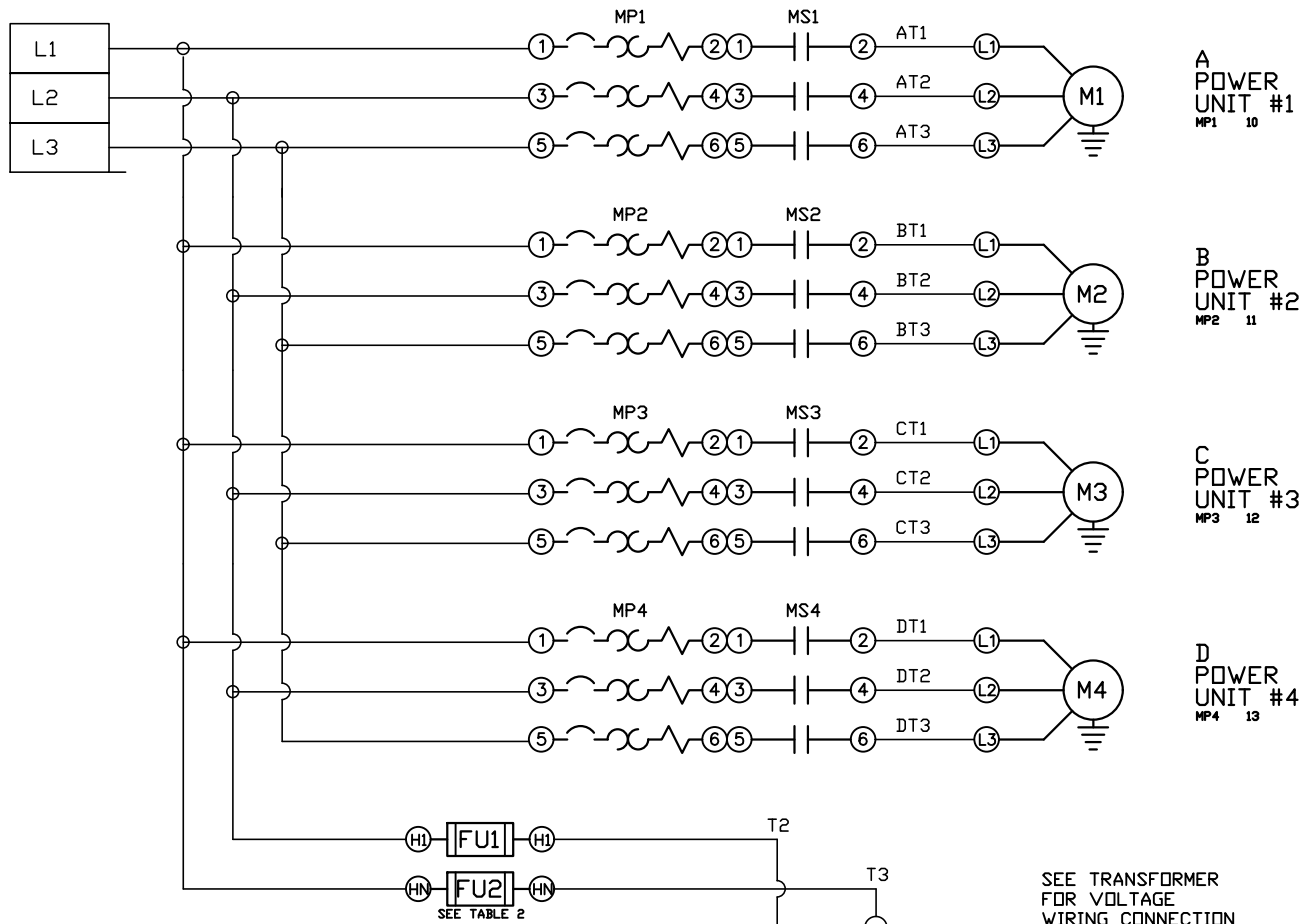


REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/30/12	22722	CHR	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD



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

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	001-699		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
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE WIRING

DWG. NO.

PBEI-469

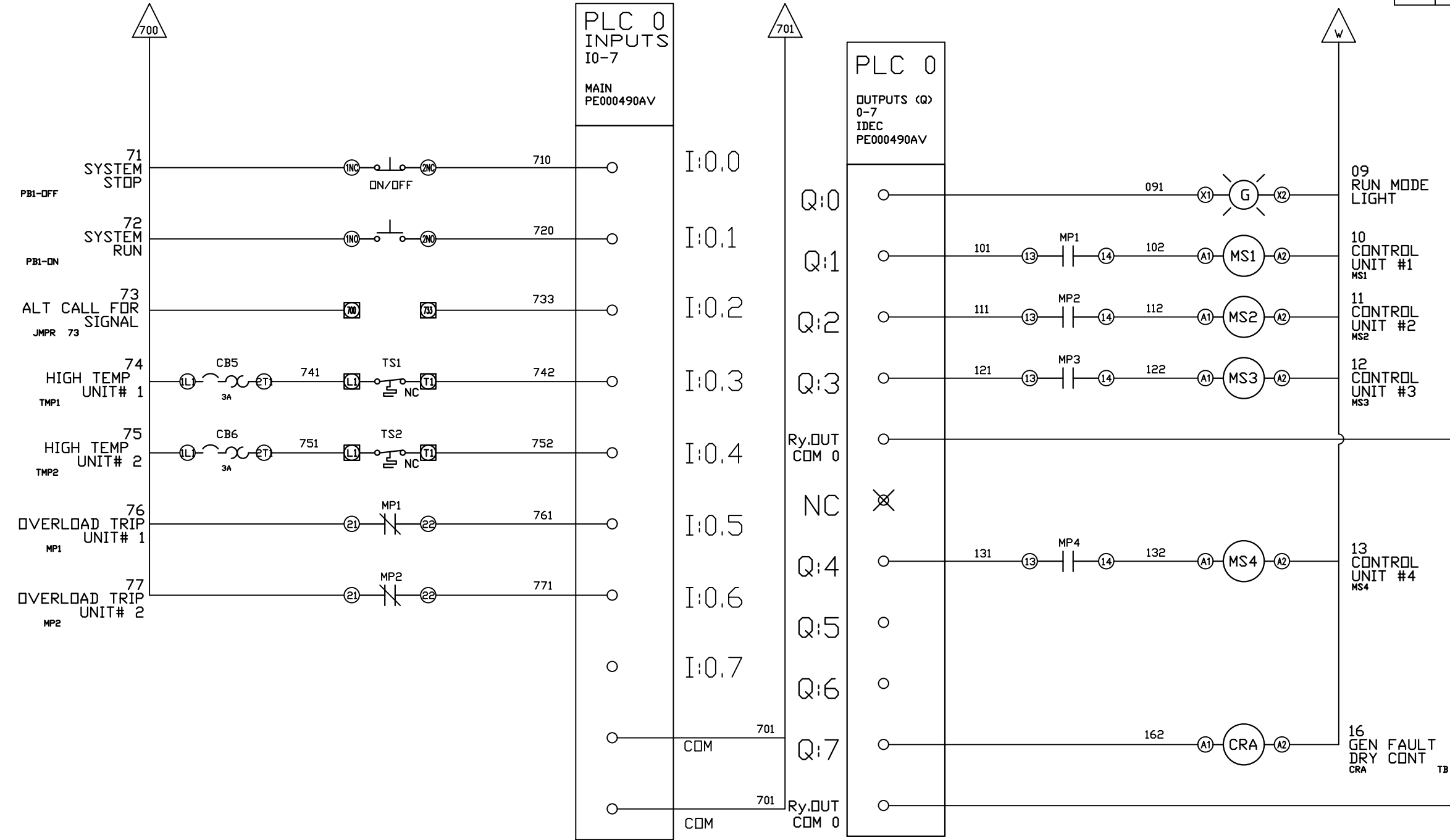
SHEET

W-1

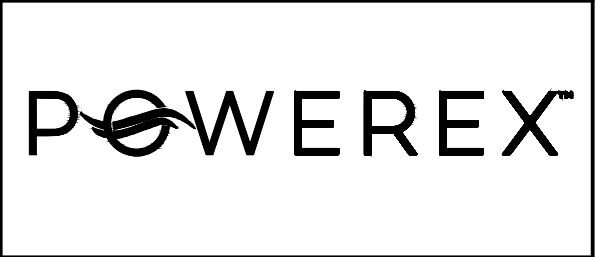
SIZE

B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/30/12	22722	CHR	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD



OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12

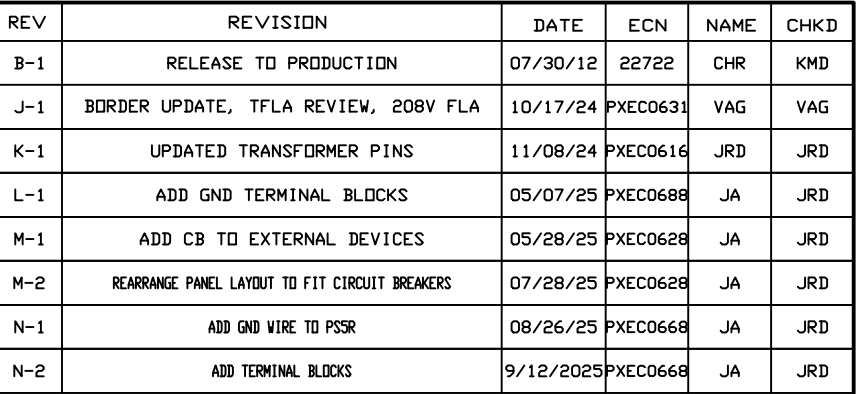
PANEL TYPE
PX ENCL SCROLL
GEN FLT

DWG. TYPE
WIRING

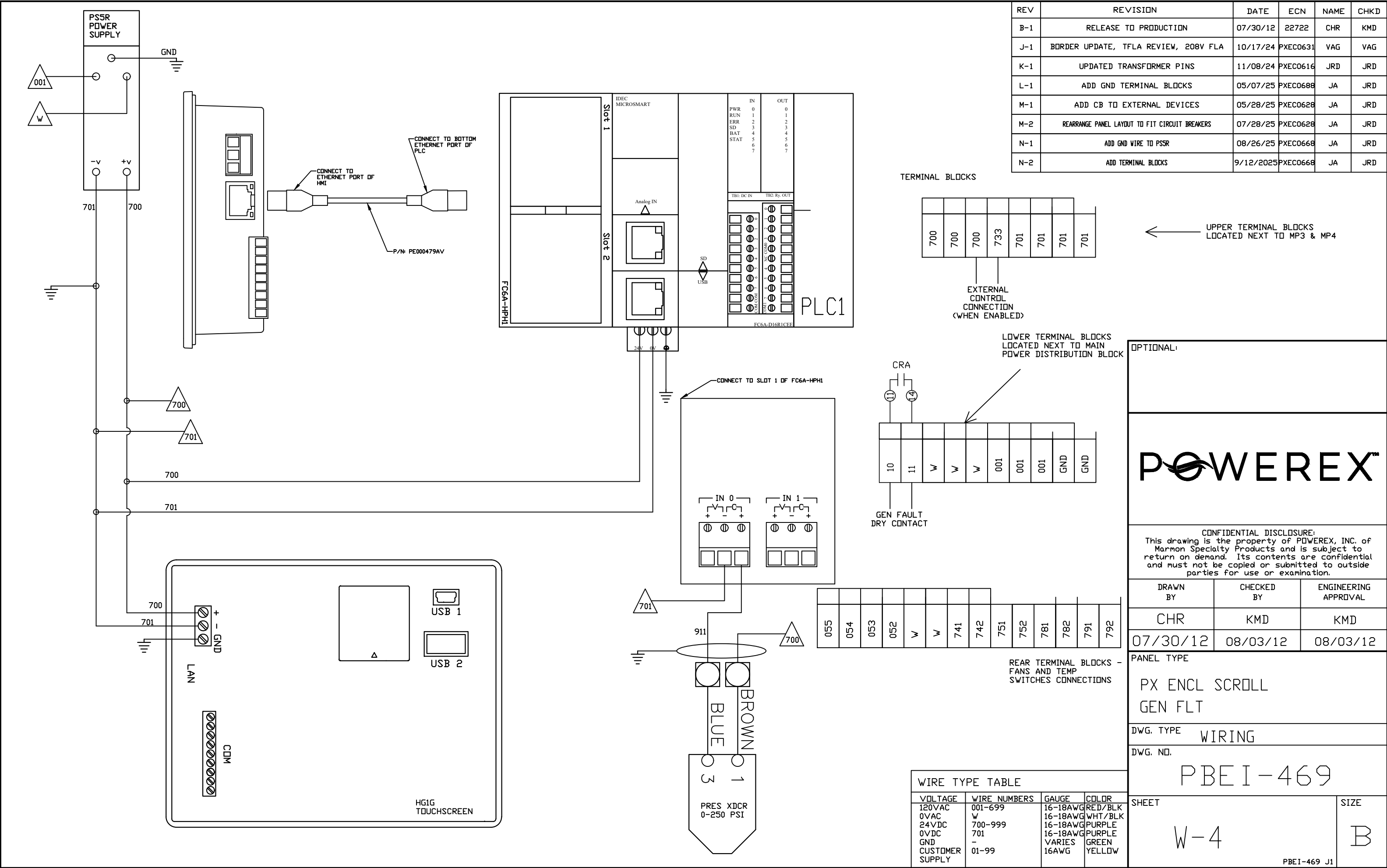
DWG. NO.
PBEI-469

SHEET	SIZE
W-2	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



OPTIONAL:		
		
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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12
PANEL TYPE PX ENCL SCROLL GEN FLT		
DWG. TYPE WIRING		
DWG. NO. PBEI-469		
SHEET W-3	SIZE B	
PBEI-469 J1		



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/30/12	22722	CHR	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD

UPPER TERMINAL BLOCKS
LOCATED NEXT TO MP3 & MP4

OPTIONAL:

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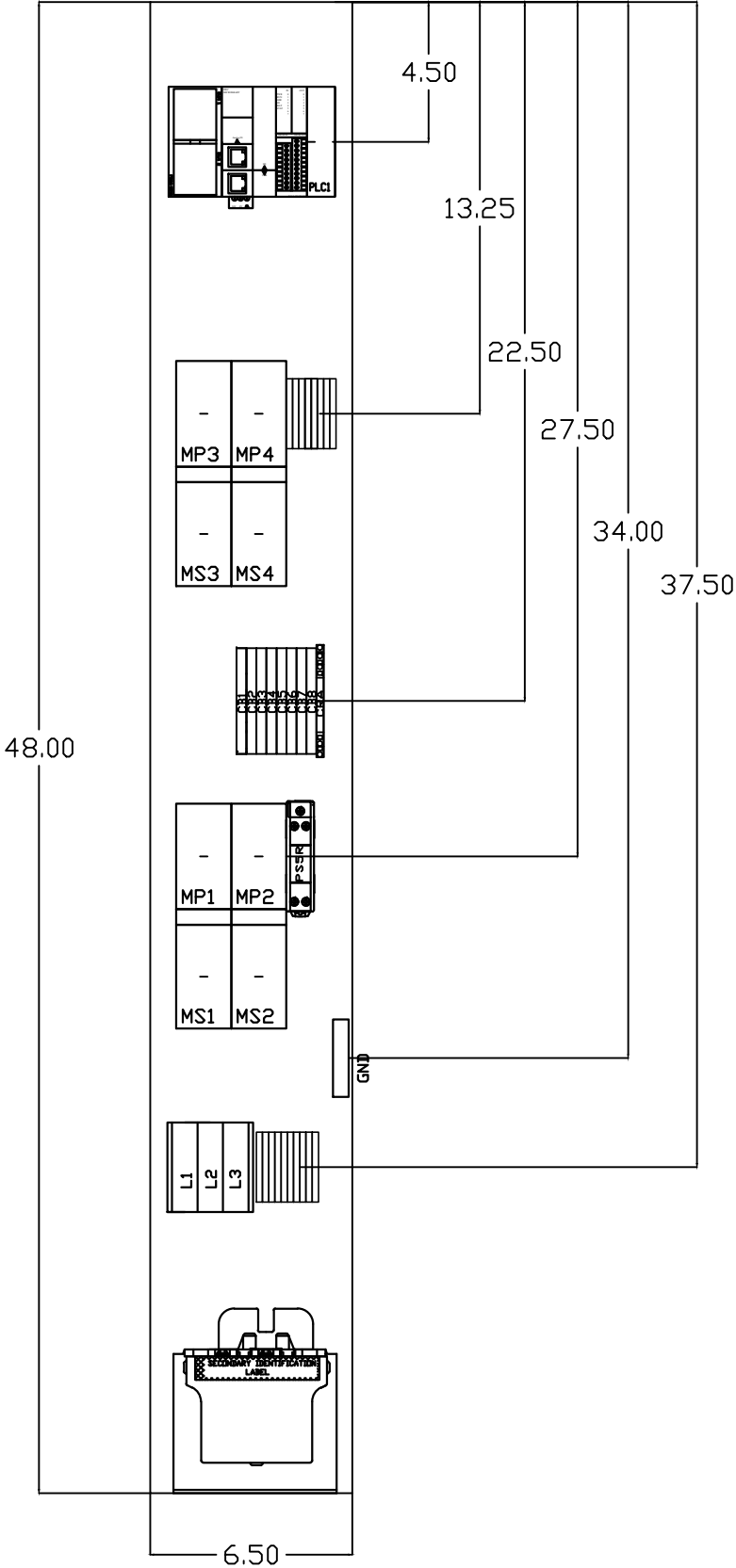
DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12

PANEL TYPE
PX ENCL SCROLL
GEN FLT

DWG. TYPE
WIRING

DWG. NO.
PBEI-469

SHEET	SIZE
W-4	B



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/30/12	22722	CHR	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD

OPTIONAL:

POWEREX™

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12

PANEL TYPE
PX ENCL SCROLL
GEN FLT

DWG. TYPE LAYOUT

DWG. NO.
PBEI-469

SHEET	SIZE
L-1	B

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)	G2AJ	14.9	62.0	100	80	90
230V (3Ø)	G3AJ	13	54.2	90	70	80
460V (3Ø)	G4AJ	6.49	27.0	45	35	40
380V (3Ø) 50Hz	G8AJ	7.88	32.8	50	40	45
575V (3Ø)	G7AJ	5.12	21.3	35	30	30

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/17/14	PXEC0067	DMS	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD

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

SEQ DATA TABLE
SEQ QUAD PANEL DATA

DWG. TYPE MISC

DWG. NO.

DATA TABLE

SHEET	SIZE
D-1	B

QUAD PANEL DATA

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/30/12	22722	CHR	KMD
J-1	BORDER UPDATE, TFLA REVIEW, 208V FLA	10/17/24	PXEC0631	VAG	VAG
K-1	UPDATED TRANSFORMER PINS	11/08/24	PXEC0616	JRD	JRD
L-1	ADD GND TERMINAL BLOCKS	05/07/25	PXEC0688	JA	JRD
M-1	ADD CB TO EXTERNAL DEVICES	05/28/25	PXEC0628	JA	JRD
M-2	REARRANGE PANEL LAYOUT TO FIT CIRCUIT BREAKERS	07/28/25	PXEC0628	JA	JRD
N-1	ADD GND WIRE TO PSSR	08/26/25	PXEC0668	JA	JRD
N-2	ADD TERMINAL BLOCKS	9/12/2025	PXEC0668	JA	JRD

TABLE 1 PANEL DATA 3ø – 60 Hz							
(A) LOAD SPECIFCATIONS					(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	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)
–GEAJ	200V/3ø	MC301600AV	15.1	62.9	100	80	90
–G2AJ	208V/3ø	MC301595AV	13.9	58.0	90	70	80
–G3AJ	230V/3ø	MC301595AV	13.4	55.8	90	70	80
–G4AJ	460V/3ø	MC301595AV	6.7	27.9	45	35	40
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
CHR	KMD	KMD
07/30/12	08/03/12	08/03/12

PANEL TYPE

PX ENCL SCROLL
GEN FLT

DWG. TYPE
SPEC MTR TABLE

DWG. NO.

PBEI-469

SHEET	SIZE
D-1	B

PBEI-469 J1