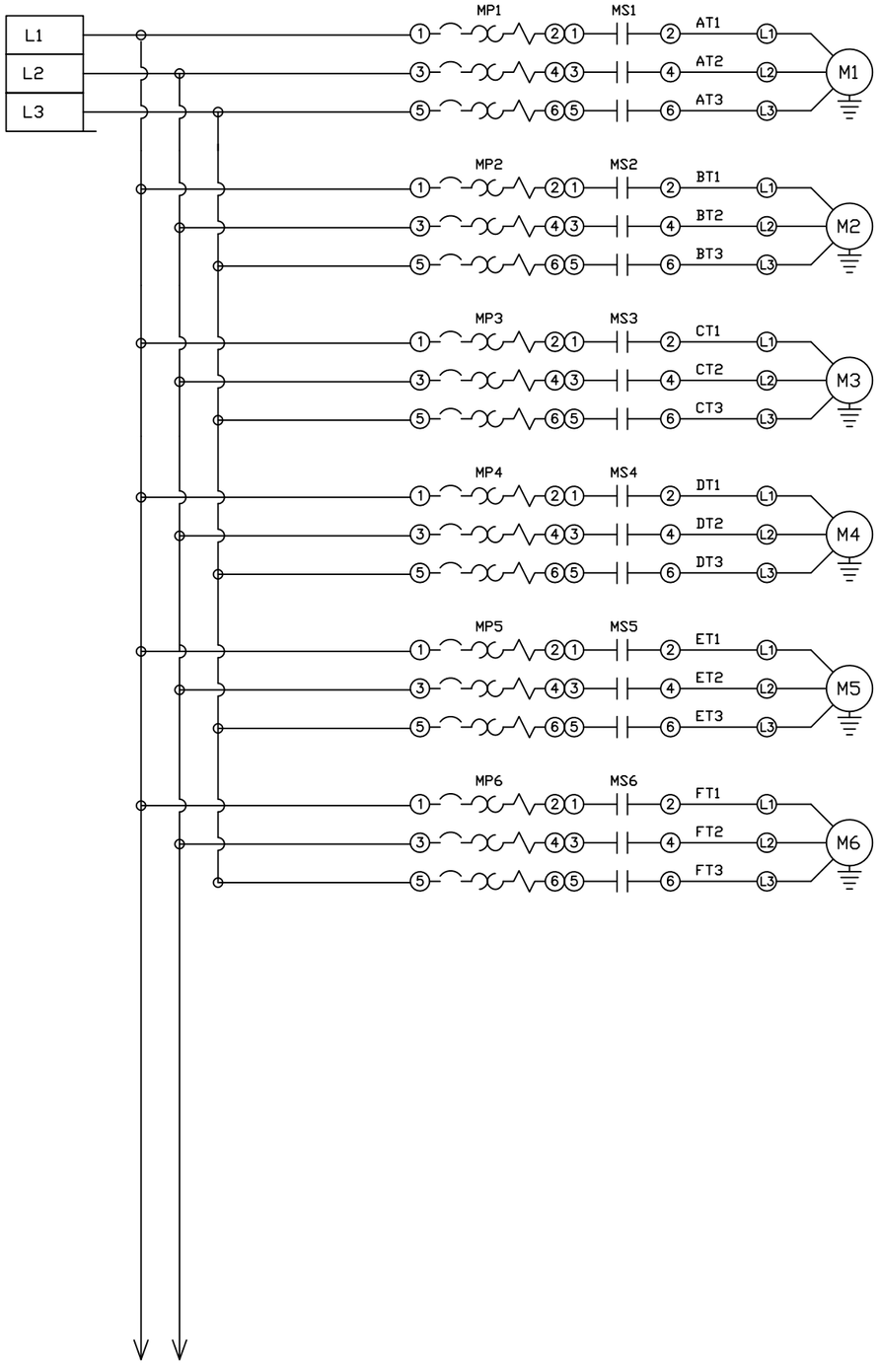


A
POWER
UNIT #1
MP1 10

B
POWER
UNIT #2
MP2 11

C
POWER
UNIT #3
MP3 12

D
POWER
UNIT #4
MP4 13

E
POWER
UNIT #5
MP5 14

F
POWER
UNIT #6
MP6 15

UNIT POWER DATA
SEE DATA TABLE

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" 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	001-499	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	500-999	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
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE
PX ENCL SCROLL
GEN FLT, WEBSERVER

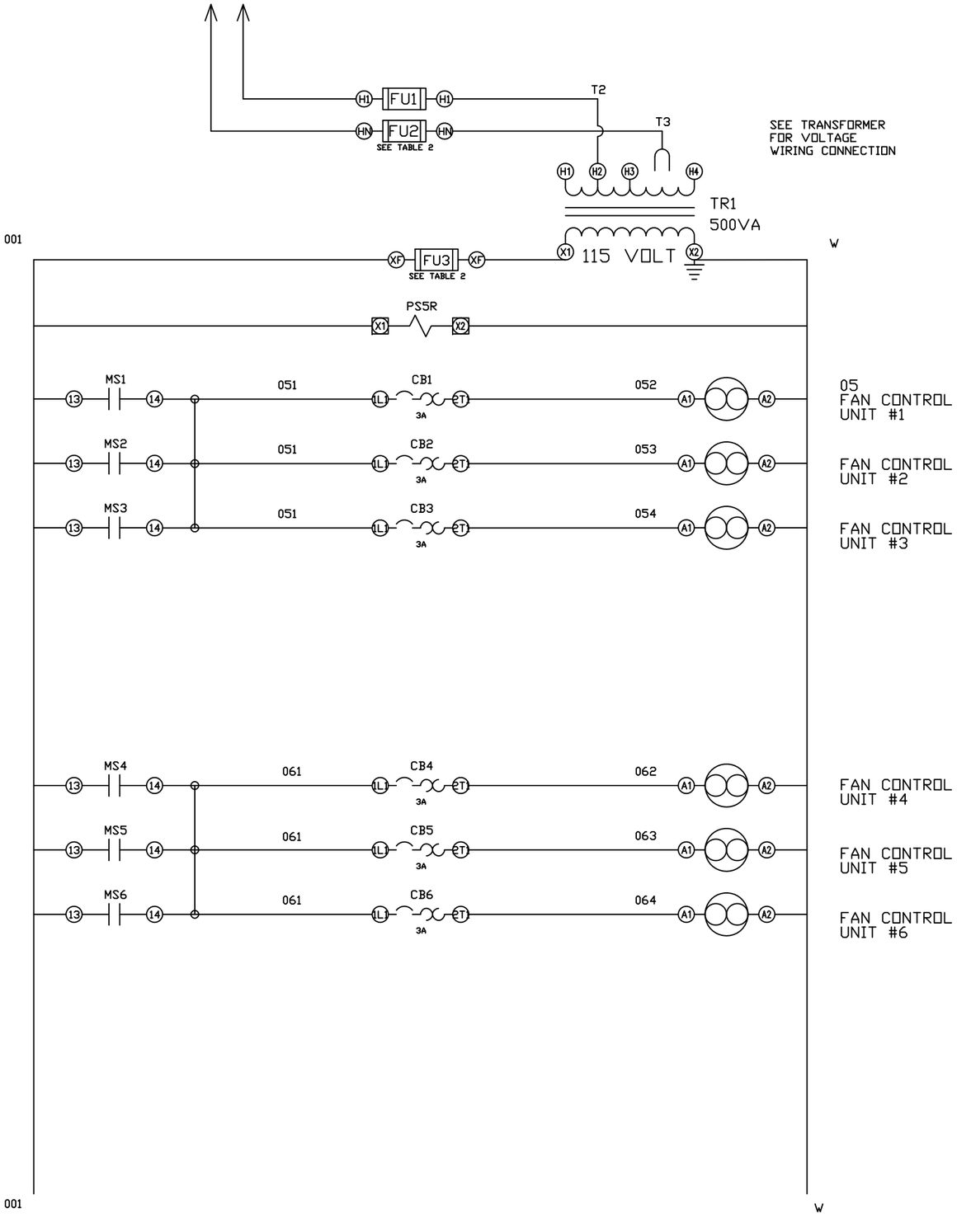
DWG. TYPE WIRING

DWG. NO.
PBEI-669

SHEET W-1

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE

PX ENCL SCROLL
GEN FLT, WEBSERVER

DWG. TYPE WIRING

DWG. NO.

PBEI-669

SHEET W-2

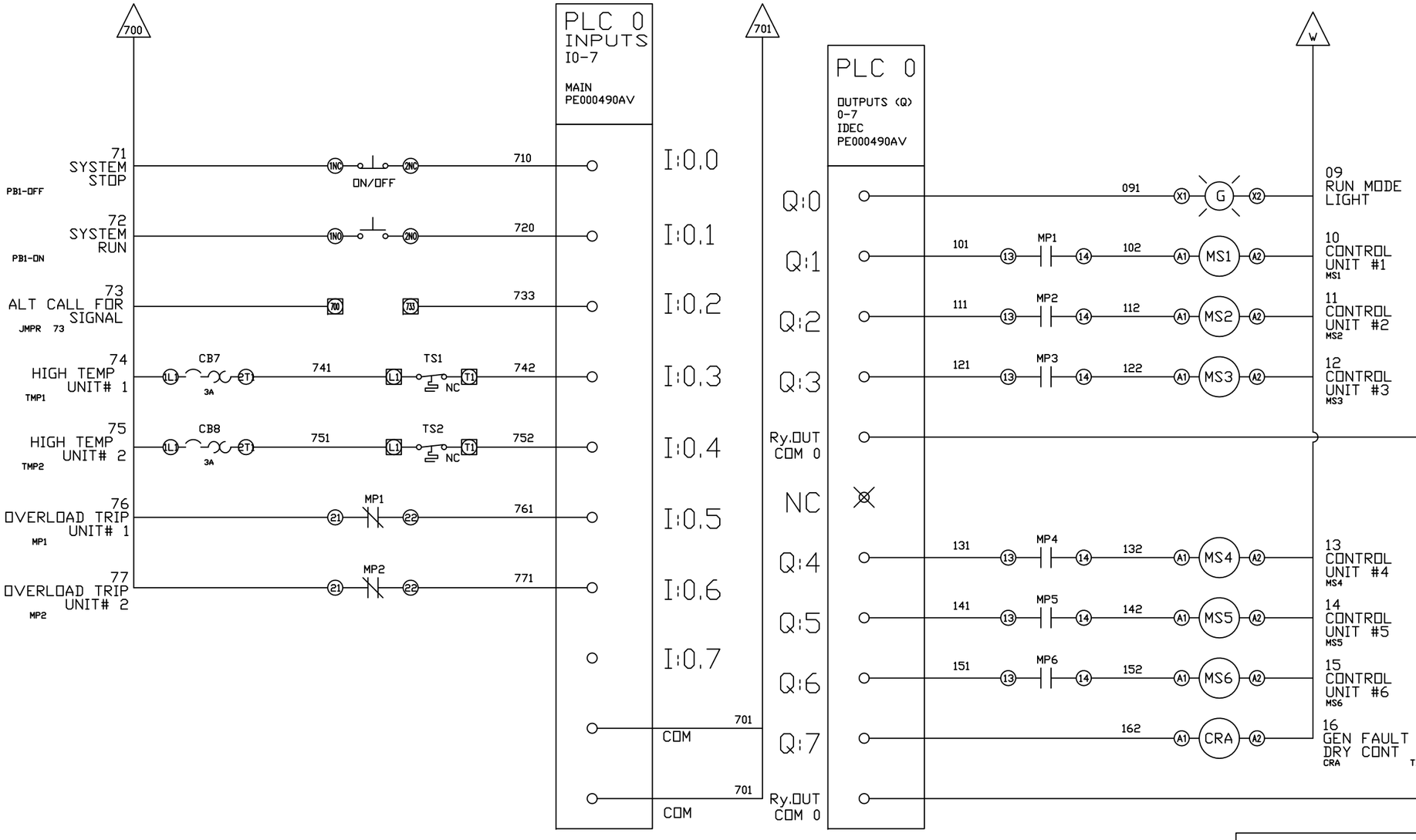
SIZE B

PBEI-669 H1

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-499	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	500-999	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	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE

PX ENCL SCROLL
GEN FLT, WEBSERVER

DWG. TYPE WIRING

DWG. NO.

PBEI-669

SHEET W-3

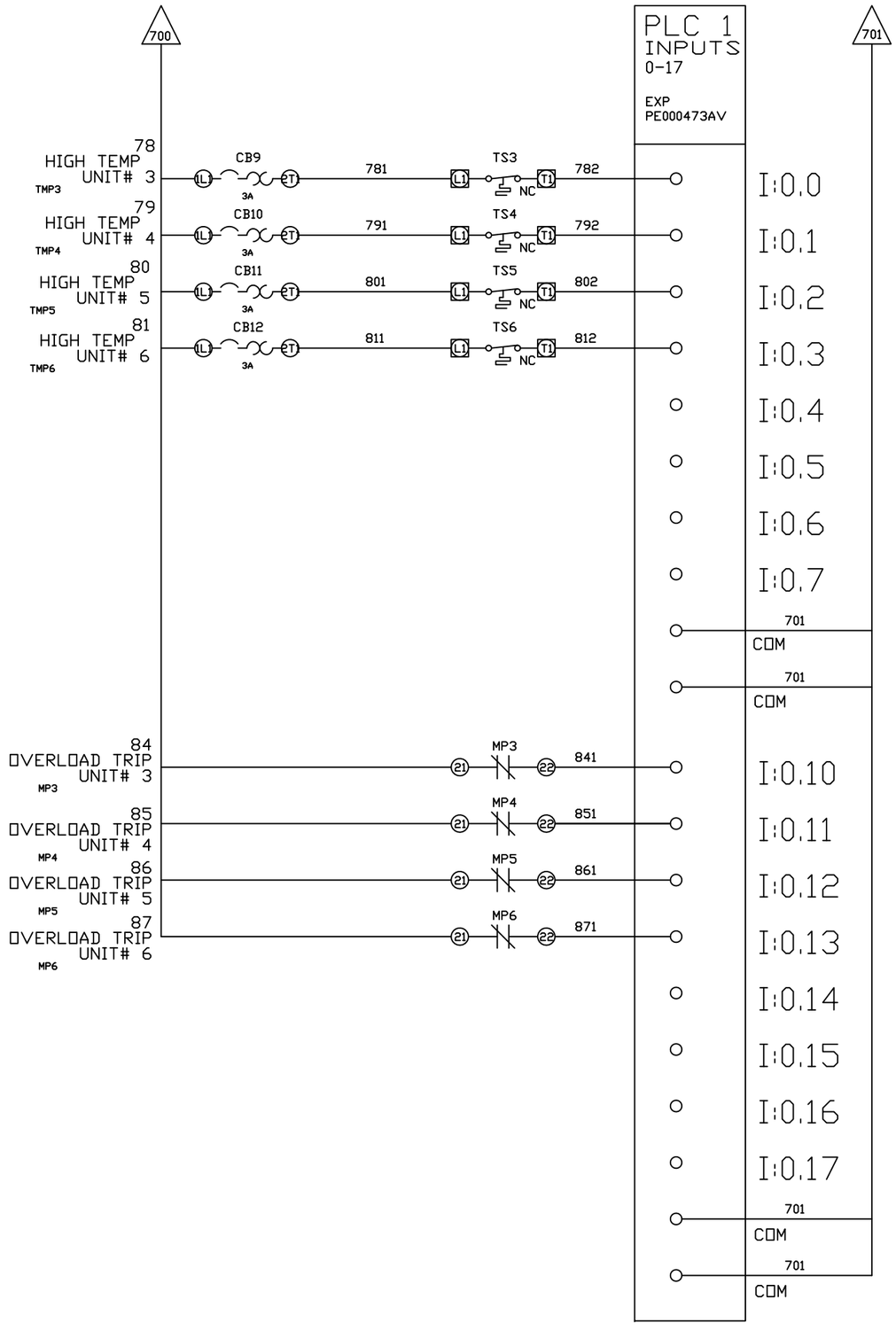
SIZE B

PBEI-669 H1

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-499	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	500-999	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	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-499	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	500-999	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
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE

PX ENCL SCROLL
GEN FLT, WEBSERVER

DWG. TYPE WIRING

DWG. NO.

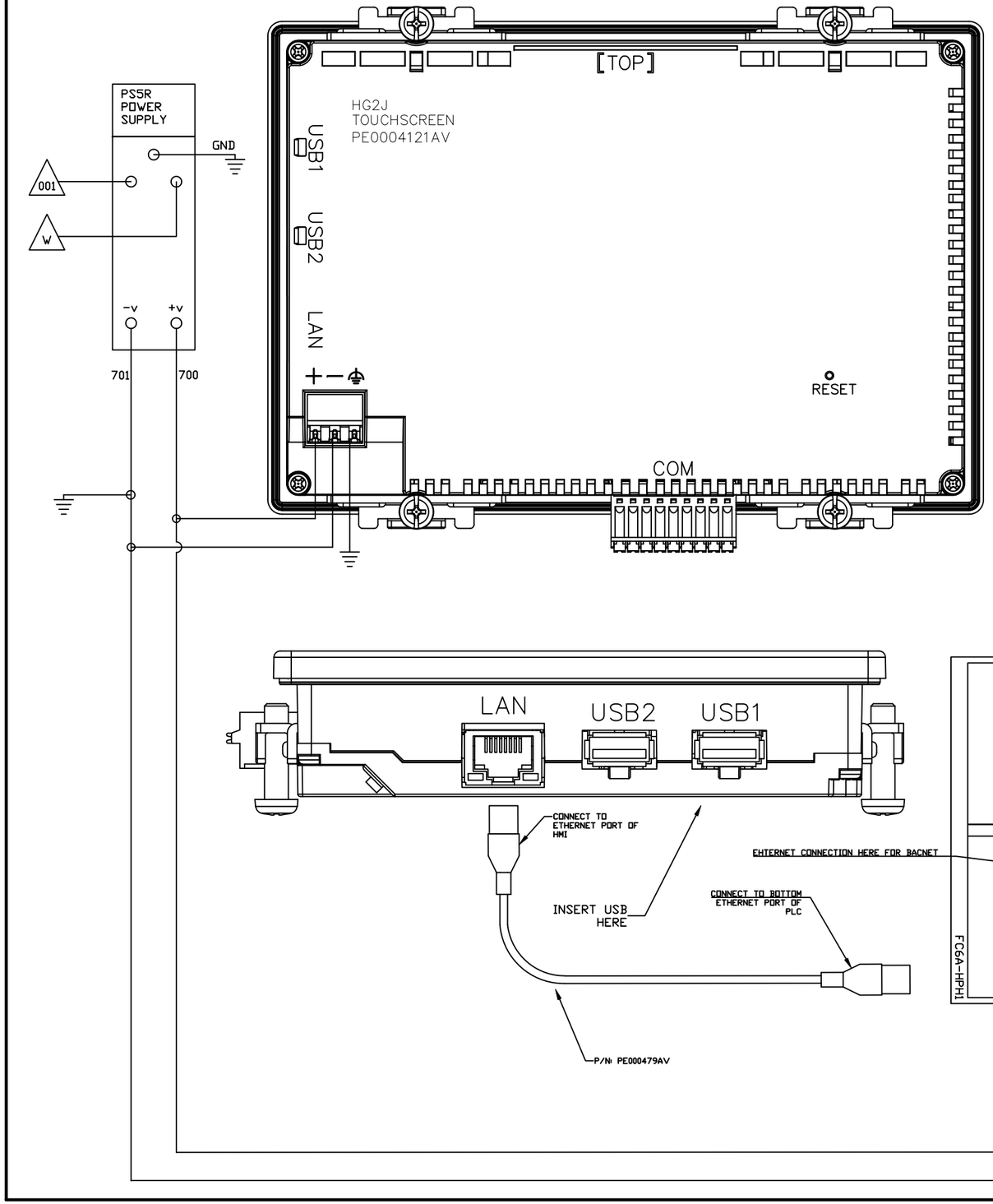
PBEI-669

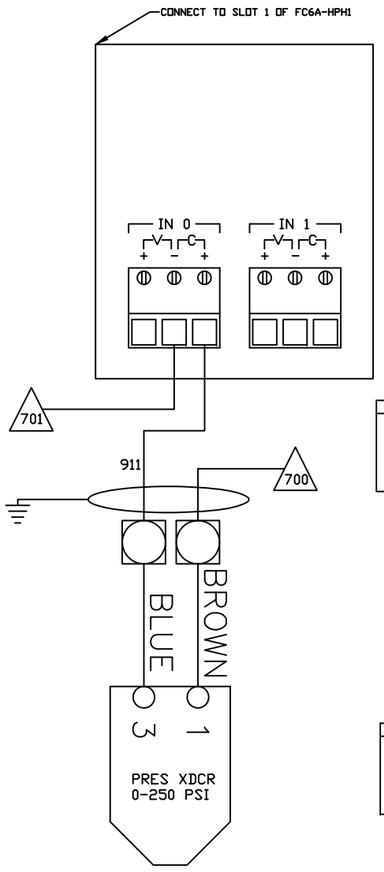
SHEET W-4

SIZE B

PBEI-669 H1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM





CONTROL PANEL TERMINAL BLOCKS
TOP SECTION

700	700	700	733	701	701	701	701

EXTERNAL CONTROL CONNECTION (WHEN ENABLED)

911	700

PUMPS 1-3 TEMP SWITCH AND FAN CONNECTIONS

052	053	054	W	W	741	742	751	752	781	782

PUMPS 4-6 TEMP SWITCH AND FAN CONNECTIONS

062	063	064	W	W	791	792	801	802	811	812

CRA

BOTTOM SECTION

W	W	W	001	001	001	10	11	GND	GND

GEN FAULT DRY CONTACT

OPTIONAL:

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-499	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	500-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16AWG	YELLOW

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE

PX ENCL SCROLL
GEN FLT, WEBSERVER

DWG. TYPE WIRING

DWG. NO.

PBEI-669

SHEET W-5

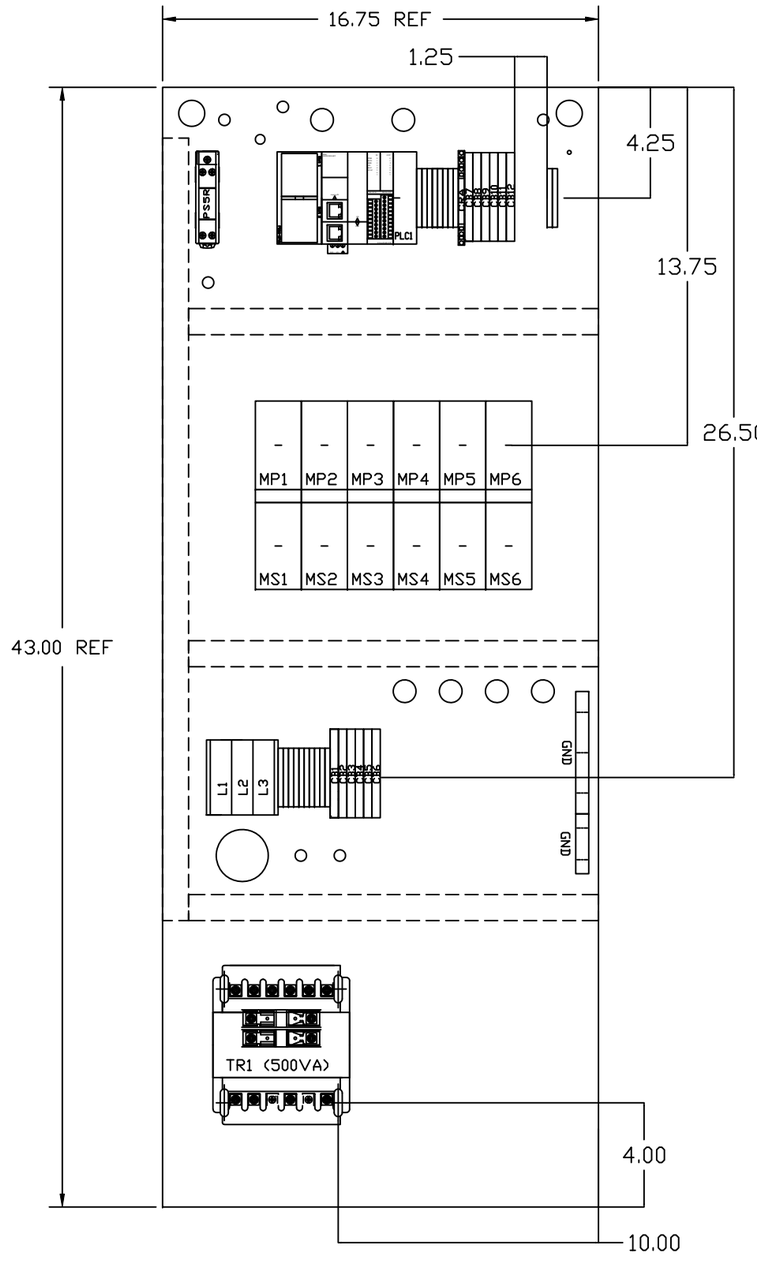
SIZE B

PBEI-669 H1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	09/12/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM

FOR ELECTRICAL ISOLATION OF PUMPS 1-4
TURN OFF CIRCUIT BREAKERS,
AND TURN OFF MP1, MP2, MP3, AND MP4.
THEN PLACE LOCK OR TAG ON EACH DEVICE.

FOR ELECTRICAL ISOLATION OF PUMPS 5-8
TURN OFF CIRCUIT BREAKERS,
AND TURN OFF MP5, MP6, MP7, AND MP8.
THEN PLACE LOCK OR TAG ON EACH DEVICE.



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	DMS	DMS
01/17/13	02/28/13	02/28/13

PANEL TYPE

PX ENCL SCROLL
GEN FLT, WEBSERVER

DWG. TYPE LAYOUT

DWG. NO.

PBEI-669

SHEET L-1

SIZE 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)	I2AJ	14.9	91.9	125	110	125
	72AJ	21.1	129.1	175	150	175
	B2AJ	25.4	154.9	225	175	200
230V (3Ø)	I3AJ	13	80.2	110	90	100
	73AJ	17.3	106.0	150	125	150
	B3AJ	23	140.2	200	175	175
460V (3Ø)	I4AJ	6.49	40.0	60	45	50
	74AJ	8.87	54.3	80	70	70
	B4AJ	11.5	70.1	100	80	90
380V (3Ø) 50HZ	I8AJ	7.88	48.8	70	60	70
575V (3Ø)	I7AJ	5.12	31.7	45	40	40

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 AND BORDER	11/06/24	PXEC0631	VAG	VAG

OPTIONAL:

208V/230V/460V/380V/575V

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

PANEL TYPE

SEH DATA TABLE
SEH HEXAPLEX PANEL DATA

DWG. TYPE MISC

DWG. NO.

DATA TABLE

SHEET D-1 SEH

SIZE B