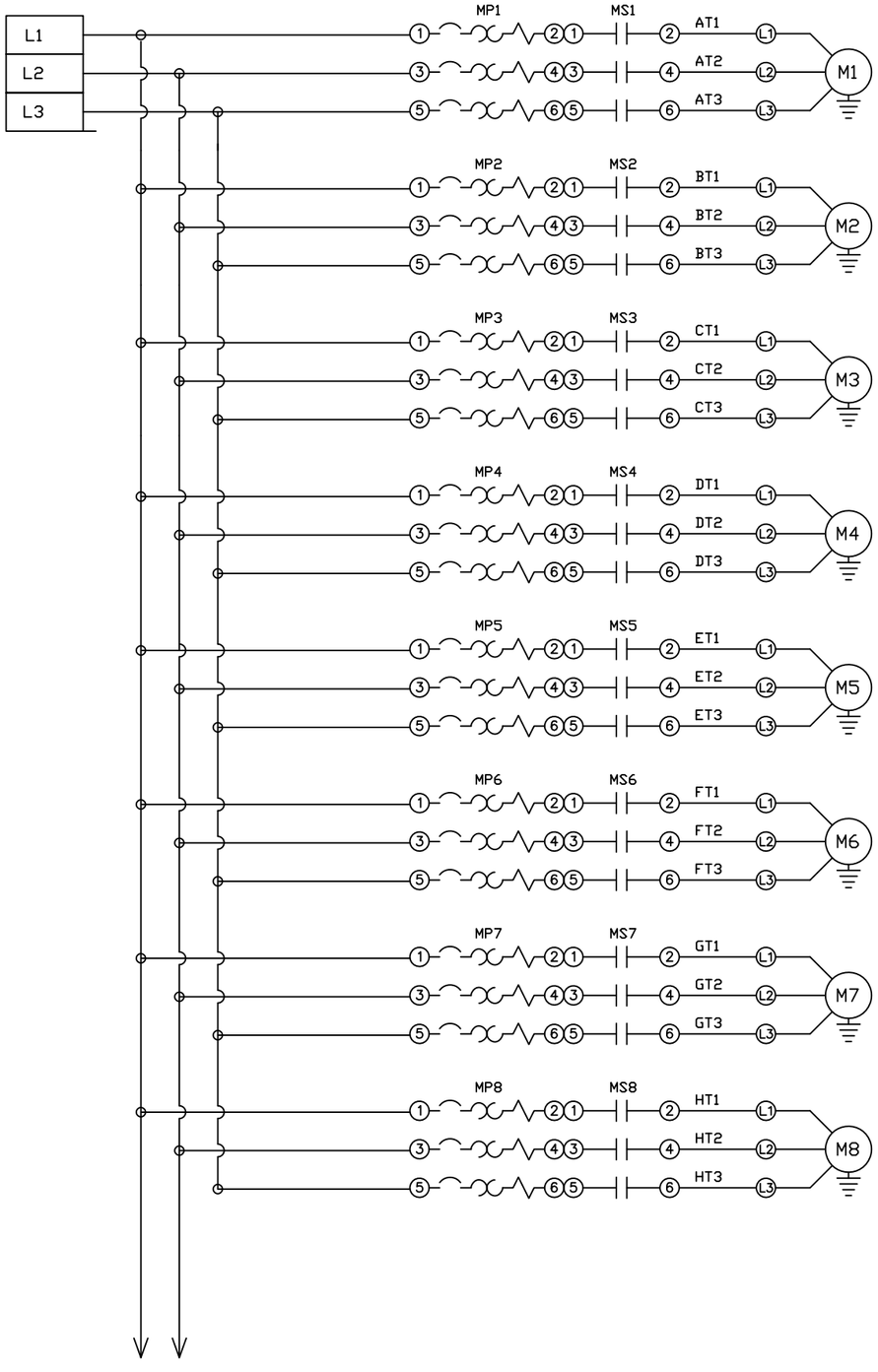


A
POWER
UNIT #1
MP1 10

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

G
POWER
UNIT #7
MP7 16

H
POWER
UNIT #8
MP8 17

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	11/18/25	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:

POWEREX
PURE AIR TECHNOLOGY
150 PRODUCTION DRIVE HARRISON, OHIO 45030
PHONE: (888)-769-7979 FAX: (513) 367-3125

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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

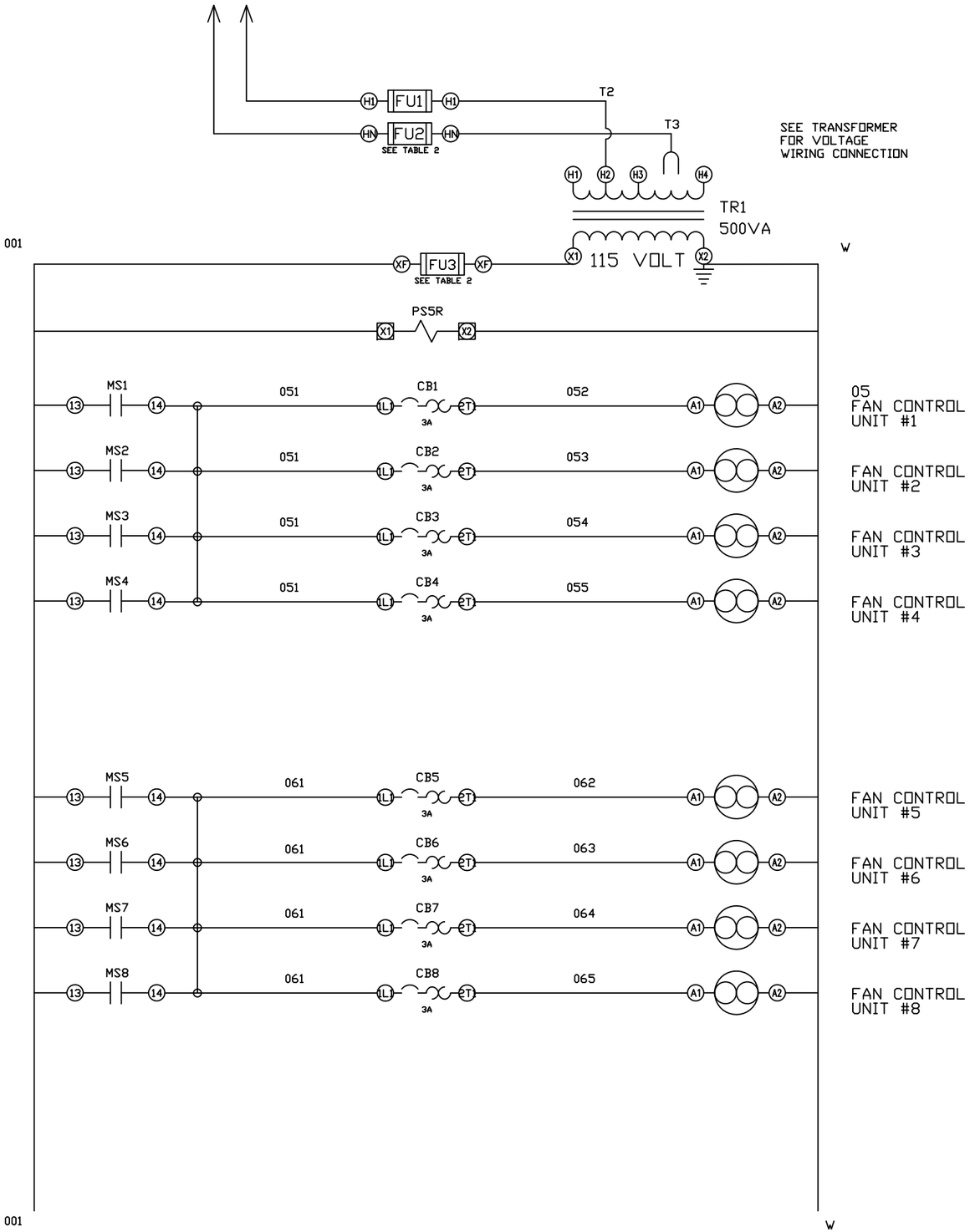
DWG. TYPE WIRING

DWG. NO.
PBEI-869

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	11/18/25	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-869

SHEET W-2

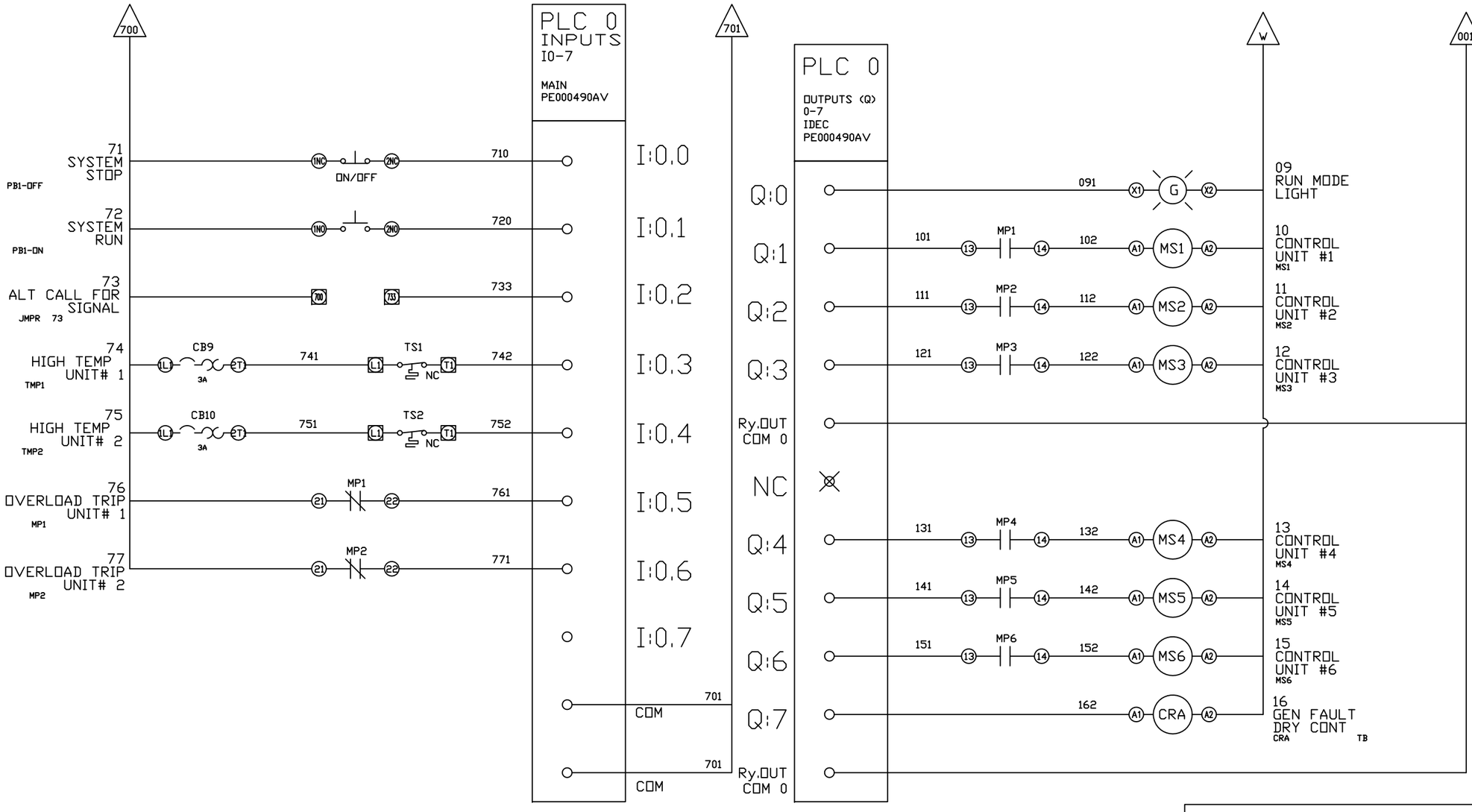
SIZE B

PBEI-869 F1

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	11/18/25	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-869

SHEET W-3

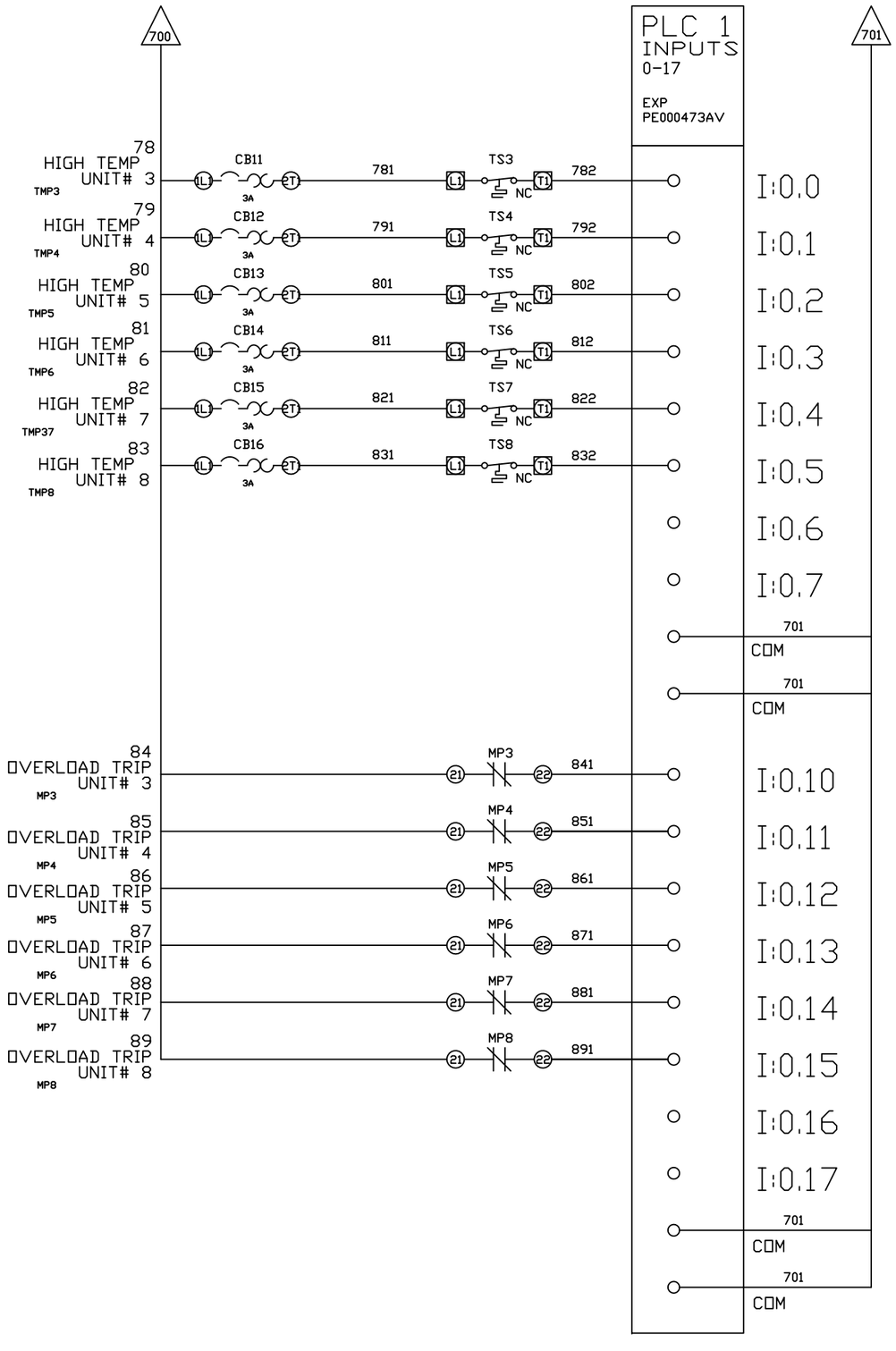
SIZE B

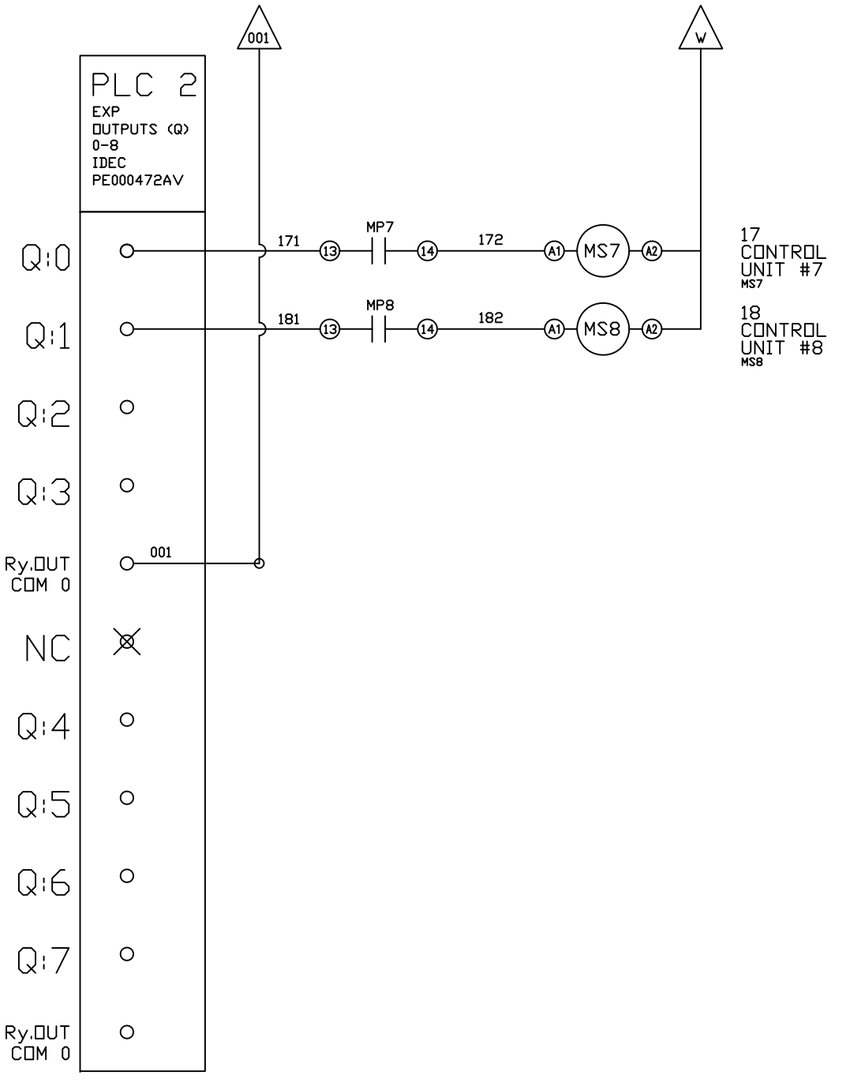
PBEI-869 F1

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	11/18/25	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.

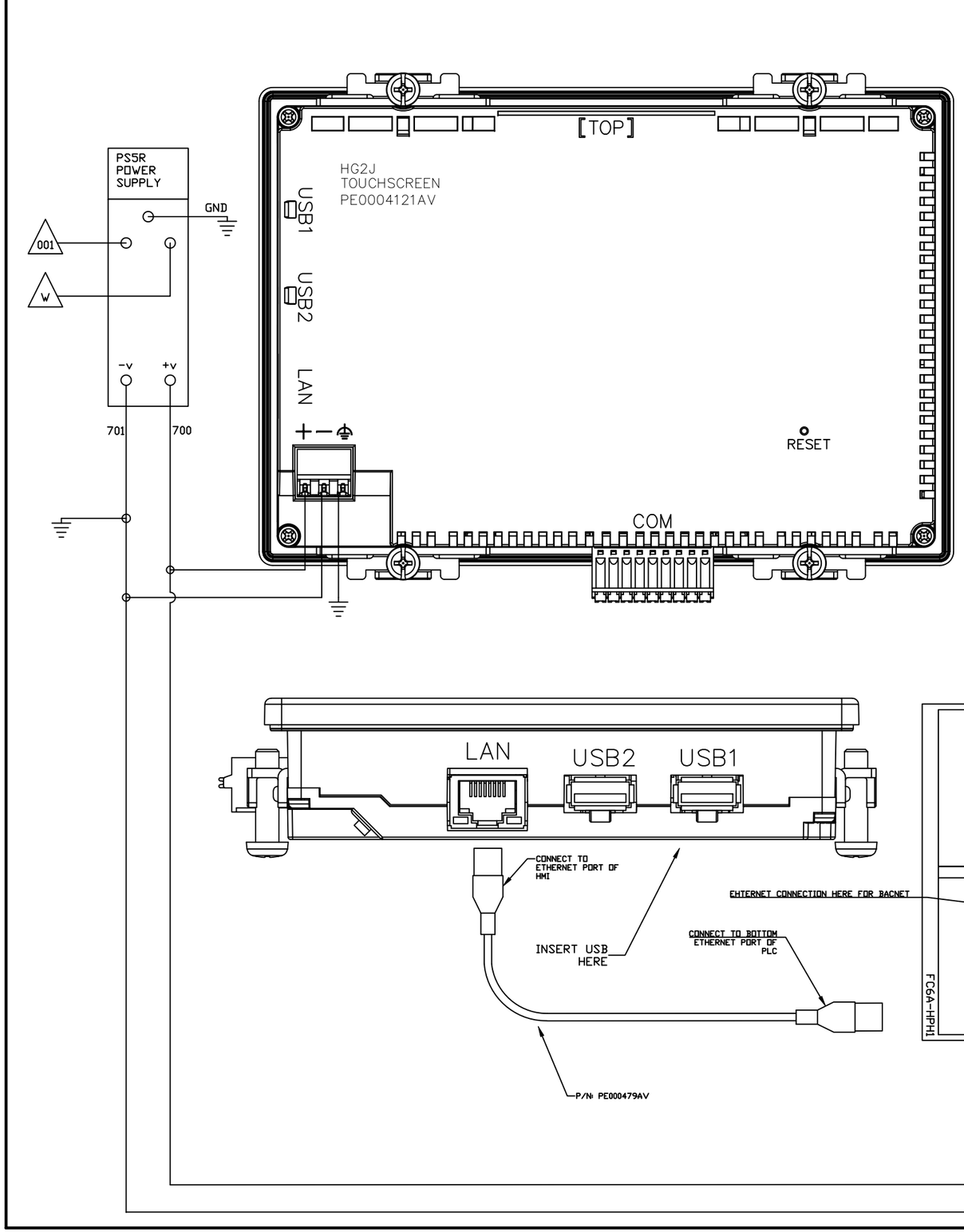
PBEI-869

SHEET W-4

SIZE B

PBEI-869 F1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	11/18/25	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

911	700

EXTERNAL
CONTROL
CONNECTION
(WHEN ENABLED)

CRA

BOTTOM SECTION

W	W	W	001	001	001	10	11	GND	GND

GEN FAULT
DRY CONTACT

PUMPS 1-4 TEMP SWITCH
AND FAN CONNECTIONS

052	053	054	055	W	W	741	742	751	752	781	782	791	792

PUMPS 5-8 TEMP SWITCH
AND FAN CONNECTIONS

062	063	064	065	W	W	801	802	811	812	821	822	831	832

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

POWEREX
PURE AIR TECHNOLOGY

150 PRODUCTION DRIVE HARRISON, OHIO 45030
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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-869

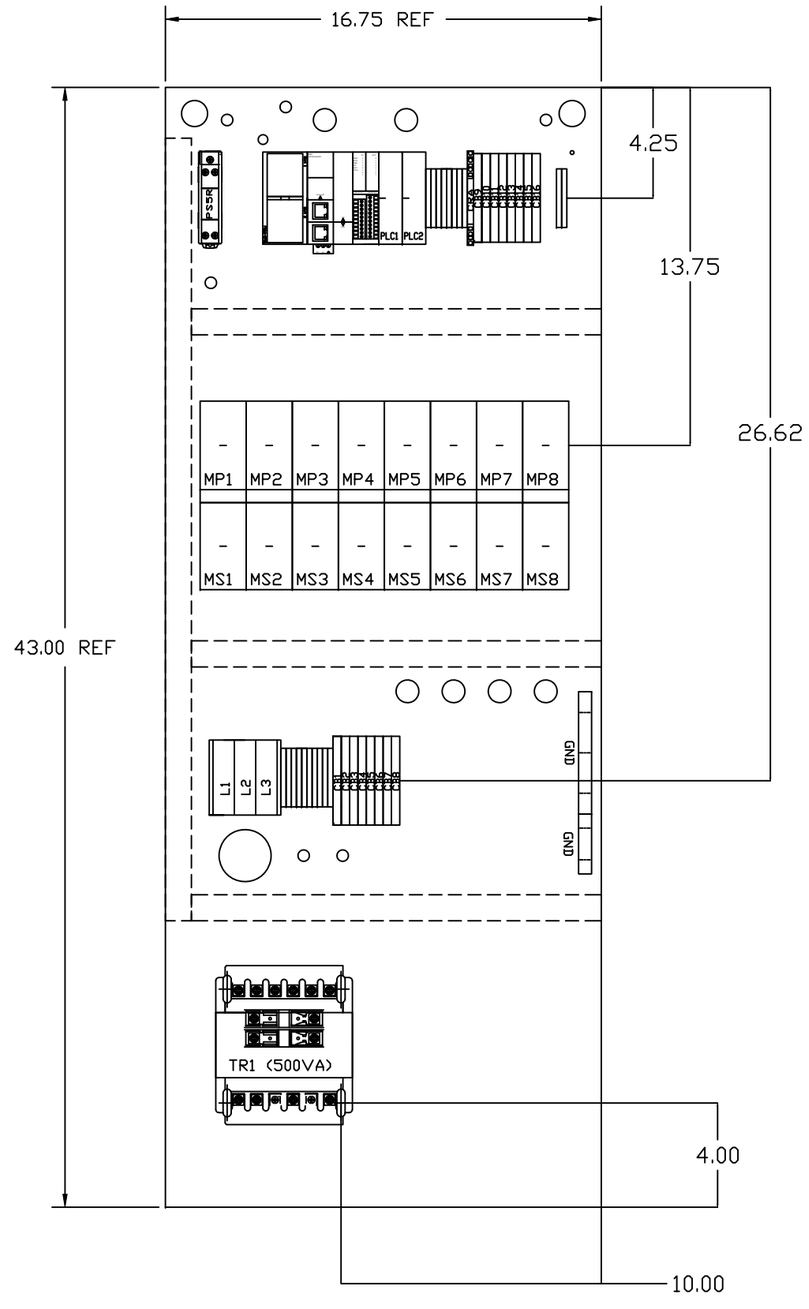
SHEET W-5

SIZE B

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.

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	01/17/13	PXEC_29	BFH	CHR
L-3	UPDATING TERMINAL BLOCKS	11/18/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM



OPTIONAL:

POWEREX
PURE AIR TECHNOLOGY

150 PRODUCTION DRIVE HARRISON, OHIO 45030
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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-869

SHEET L-1

SIZE B

PBEI-869 F1

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)	K2AJ	14.4	117.2	150	150	150
230V (3Ø)	K3AJ	13	106	150	125	150
460V (3Ø)	K4AJ	6.49	53.92	70	60	70
380V (3Ø) 50HZ	K8AJ	7.88	65.04	90	80	80
575V (3Ø)	K7AJ	5.12	42.96	60	50	60

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	07/17/14	PXEC0067	DMS	KMD
L-3	UPDATING TERMINAL BLOCKS	11/18/25	PXEC0718	MJV	JA
M-1	REPLACED 4.3" HMI WITH 7" VERSION	01/14/26	PXEC0728	SEK	WMM

OPTIONAL:

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

POWEREX
PURE AIR TECHNOLOGY

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

PANEL TYPE

SEO DATA TABLE
SEO OCTOPLEX PANEL DATA

DWG. TYPE MISC

DWG. NO.

DATA TABLE

SHEET D-1

OCTOPLEX PANEL DATA

SIZE B