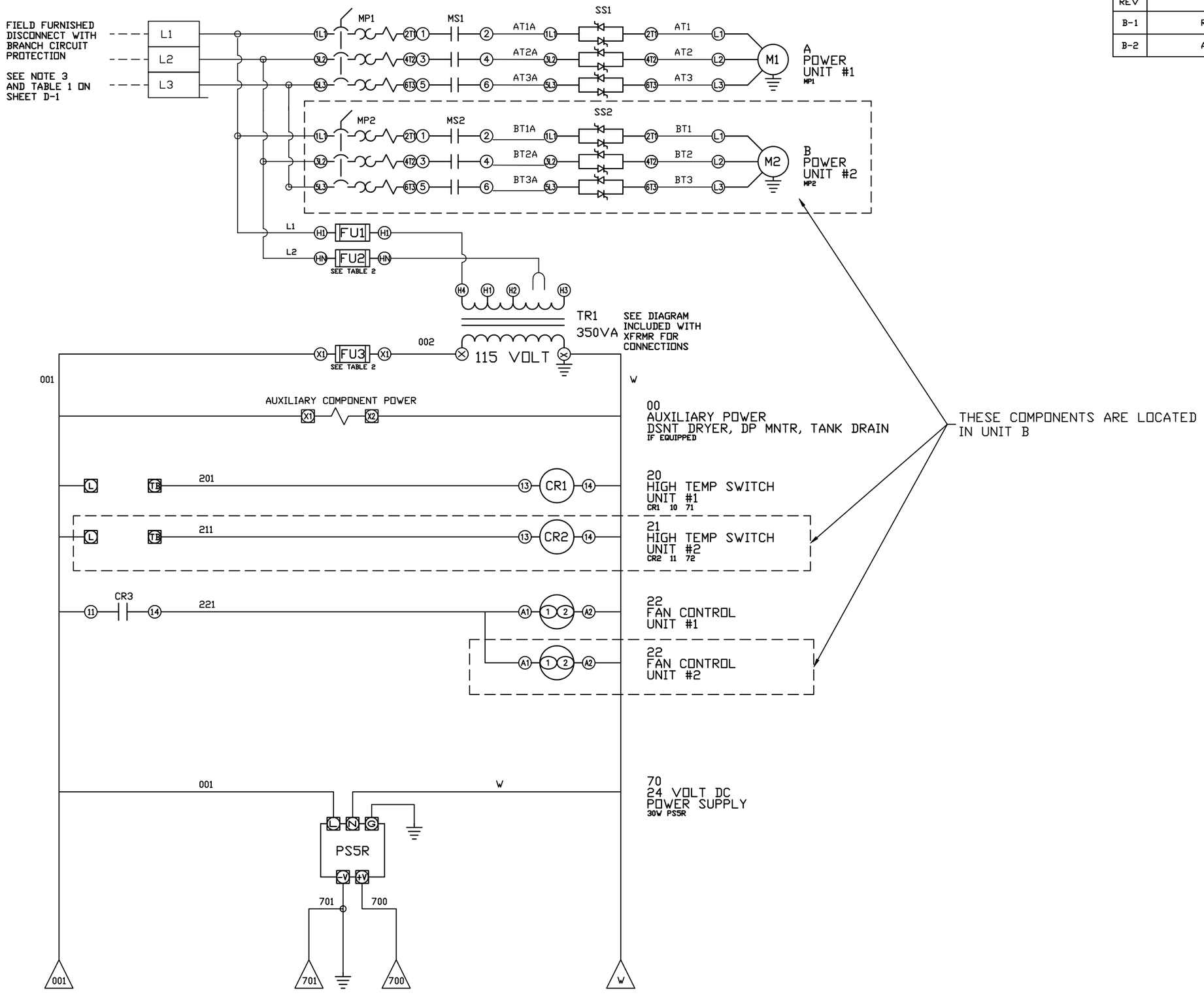
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK



OPTIONAL:

POWEREX

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

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE WIRING

DWG. NO.

PETIS-269

SHEET W-1

SIZE B

PETIS-269

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK

700 701 001 W

PLC/HMI
SMARTAXIS TOUCH
8IN / 4OUT
IDEC
PE000468AV

700
701
+DC
_24V
GND

Q:0 101 — AUTO (1NO) (2NO) OFF SW1-A — 102 — (5) CR1 (9) 103 (13) MP1 (14) 104 (A1) MS1 (A2) — 10 CONTROL UNIT #1 MS1 A
COM:0 001 — HAND (1NO) (2NO)
Q:1 111 — AUTO (1NO) (2NO) OFF SW1-B — 112 — (5) CR2 (9) 113 (13) MP2 (14) 114 (A1) MS2 (A2) — 11 CONTROL UNIT #2 MS2 B
COM:1 001 — HAND (1NO) (2NO)
Q:2 121 — 121 — (A1) CR3 (A2) — 12 CONTROL COOLING FANS CR3 22 TB
COM:2 001
Q:3 10 — (10) — ALARM PANEL COMMON TB
COM:3 11 — (11) — COMPRESSOR GENERAL FAULT TB

THESE COMPONENTS ARE LOCATED IN UNIT B

THESE COMPONENTS ARE LOCATED IN UNIT B

71 HIGH TEMP UNIT #1 — CR1 (8) (12) — 711 — I:0
TS1
72 HIGH TEMP UNIT #2 — CR2 (8) (12) — 721 — I:1
TS2
73 OVERLOAD TRIP UNIT# 1 — MP1 (21) (22) — 731 — I:2
MP1
74 OVERLOAD TRIP UNIT# 2 — MP2 (21) (22) — 741 — I:3
MP2
75 HOA SWITCH "AUTO" POSITION SW1 — AUTO (1NO) (2NO) OFF SW1-C — 751 — I:4
76 HOA SWITCH "HAND" POSITION SW1 — HAND (1NO) (2NO) — 761 — I:5
77 EXTERNAL CONTROL CALL-FOR SIGNAL JUMPER — (700) (771) — 771 — I:6
78 PRESSURE SENSOR ANALOG INPUT 0-10V XDCR — 781 — I:7

BR W BU BK
1 2 3 4
PRESSURE XDCR 0 - 150 PSI

PLC I6 · PLC I7 · PLC Q3 · PLC COM3

GND GND 201 001 001 001 001 W W W 221 701 700 700 700 771 781 10 11

TS1 NC
D.DRYER DRAIN MONITOR
FANS UNIT#1
EXTERNAL CALL FOR SIGNAL (WHEN ENABLED)
COMP GEN FAULT
PRESSURE TRANSDUCER

UNIT A

GND 700 001 211 W 221

TS2 NC
FANS UNIT#2

UNIT B

THESE COMPONENTS ARE LOCATED IN UNIT B

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE
SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE WIRING

DWG. NO. PETIS-269

SHEET W-2

SIZE B

PETIS-269

SET START TIME TO B (3-SEC)

SET INITIAL VOLT SETTING TO D (67%)

SET STOP TIME TO C (5-SEC)

69
MOTOR#1 SOFT START

SS1 690

690

ATS01222RT

- R1A
- R1C
- COM
- LI 1
- LI 2
- LI+
- BOOST
- LO 1

69
MOTOR#2 SOFT START

SS2 690

691

ATS01222RT

- R1A
- R1C
- COM
- LI 1
- LI 2
- LI+
- BOOST
- LO 1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE WIRING

DWG. NO.

PETIS-269

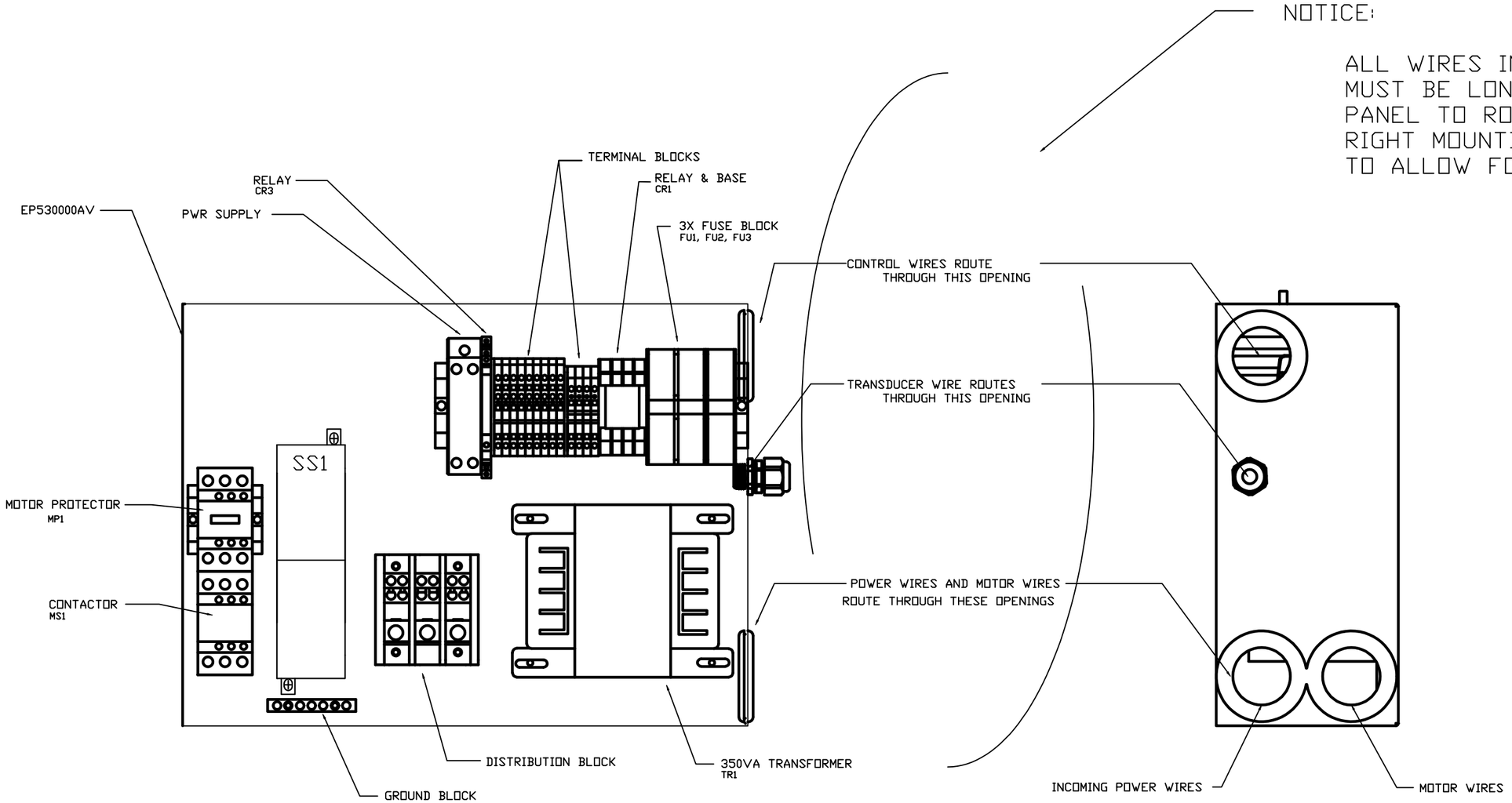
SHEET W-3

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK

NOTICE:

ALL WIRES IN AND OUT OF PANEL MUST BE LONG ENOUGH FOR PANEL TO ROTATE OUT 90° AT RIGHT MOUNTING SCREW LOCATION TO ALLOW FOR PUMP MAINTENANCE.



OPTIONAL:

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE LAYOUT

DWG. NO.

PETIS-269

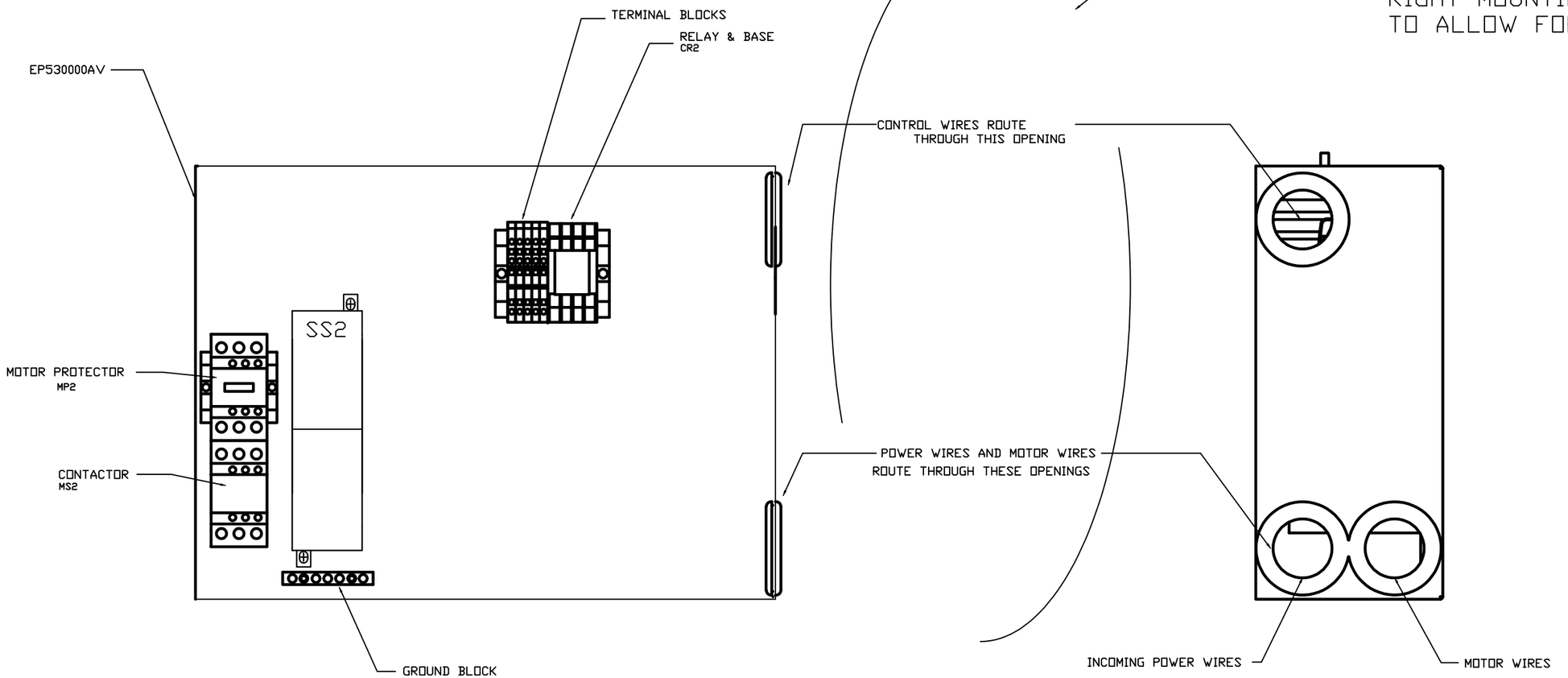
SHEET LA-1

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK

NOTICE:

ALL WIRES IN AND OUT OF PANEL MUST BE LONG ENOUGH FOR PANEL TO ROTATE OUT 90° AT RIGHT MOUNTING SCREW LOCATION TO ALLOW FOR PUMP MAINTENANCE.



OPTIONAL:

POWEREX

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

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE LAYOUT

DWG. NO.

PETIS-269

SHEET	SIZE
LA-2	B

PETIS-269

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD
B-2	ADDED TERMINAL BLOCKS	10/22/25	PXEC0667	JRD	SEK

TABLE 1
"UNIT A" LABELING INFORMATION

PANEL DATA 3ø – 60 Hz
350VA CONTROL CIRCUIT

(A) LOAD SPECIFICATIONS					(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE	POWER (V/PH)	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE	TIME-DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
PETIS26972AJ	7.5	208V/3ø	19.2	40.1	80A	60A	70A
PETIS26973AJ	7.5	230V/3ø	17.3	36.1	80A	50A	70A
PETIS26974AJ	7.5	460V/3ø	8.87	19.8	40A	30A	35A
PETIS26977AJ	7.5	575V/3ø	6.94	15.9	30A	25A	30A
PETIS269A2AJ	10	208V/3ø	25.4	52.5	110A	80A	100A
PETIS269A3AJ	10	230V/3ø	23.7	48.9	100A	70A	90A
PETIS269A4AJ	10	460V/3ø	11.9	24.6	50A	35A	45A
PETIS269A7AJ	10	575V/3ø	9.9	21.8	45A	30A	40A

NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE

TABLE 2
"UNIT B" LABELING INFORMATION

PANEL DATA 3ø – 60 Hz
350VA CONTROL CIRCUIT

(A) LOAD SPECIFICATIONS				
PANEL PART NUMBER	MOTOR SIZE	POWER (V/PH)	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)
PETIS26972AJ	7.5	208V/3ø	19.2	19.2
PETIS26973AJ	7.5	230V/3ø	17.3	17.3
PETIS26974AJ	7.5	460V/3ø	8.87	8.87
PETIS26977AJ	7.5	575V/3ø	6.94	6.94
PETIS269A2AJ	10	208V/3ø	25.4	25.4
PETIS269A3AJ	10	230V/3ø	23.7	23.7
PETIS269A4AJ	10	460V/3ø	11.9	11.9
PETIS269A7AJ	10	575V/3ø	9.9	9.9

NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE

NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
   208-575 VOLT POWER 35 POUND INCHES
   120 VOLT POWER & CONTROL 15 POUND INCHES
   VOLTAGE
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.

TABLE 2

CONTROL CIRCUIT PROTECTION - 350VA

	FUSE TYPE	208 VOLT	230 VOLT	460 380 VOLT	575 VOLT
FU1&2	FNQR	7A	7A	3A	3A
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

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06/10/25	06/10/25	06/10/25

PANEL TYPE
SCROLL ENCL TNKMNT DUPLEX GENERAL FAULT

DWG. TYPE DATA

DWG. NO.
PETIS-269

SHEET D-1

SIZE B