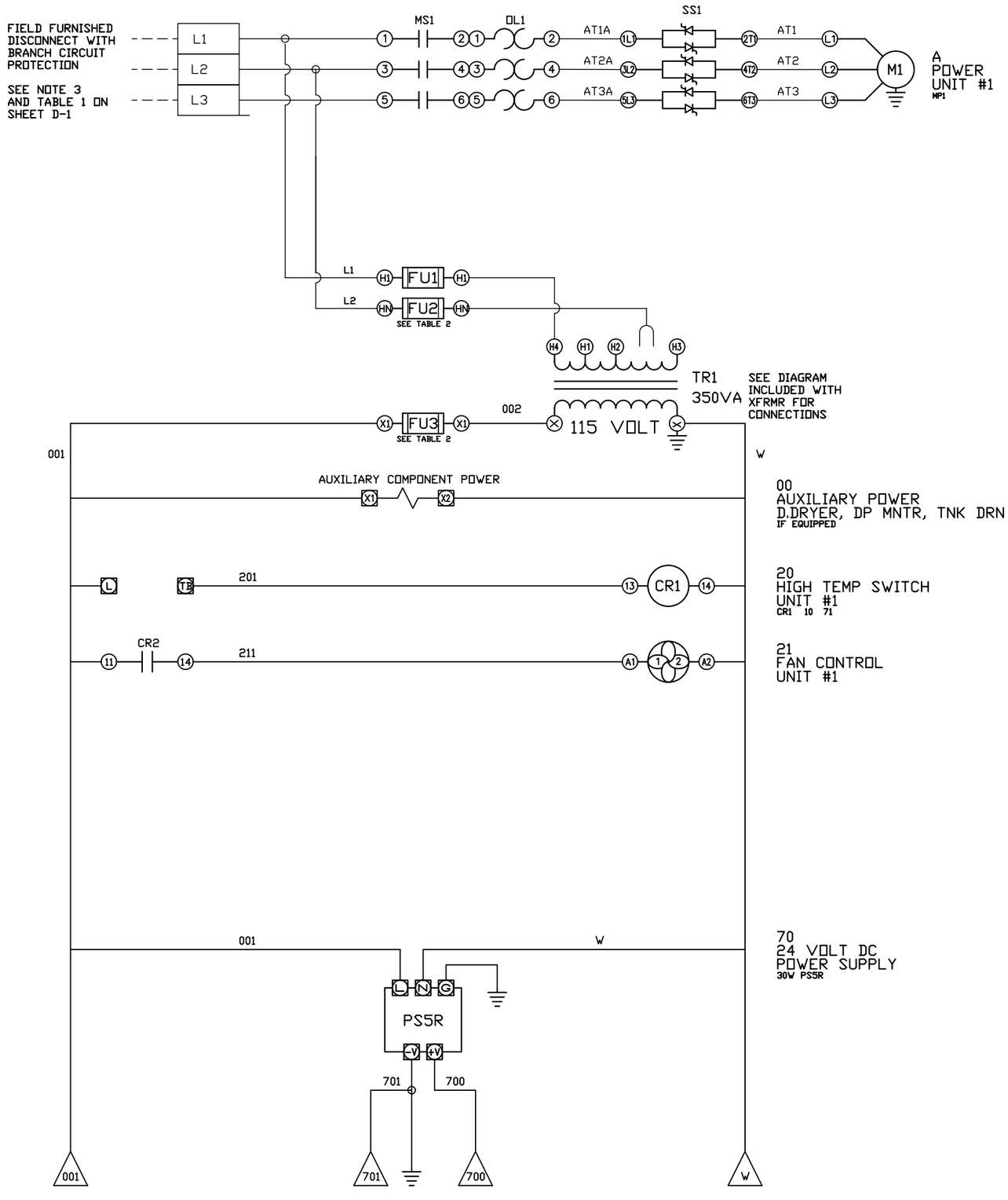
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD



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 SIMPLEX
GENERAL FAULT

DWG. TYPE WIRING

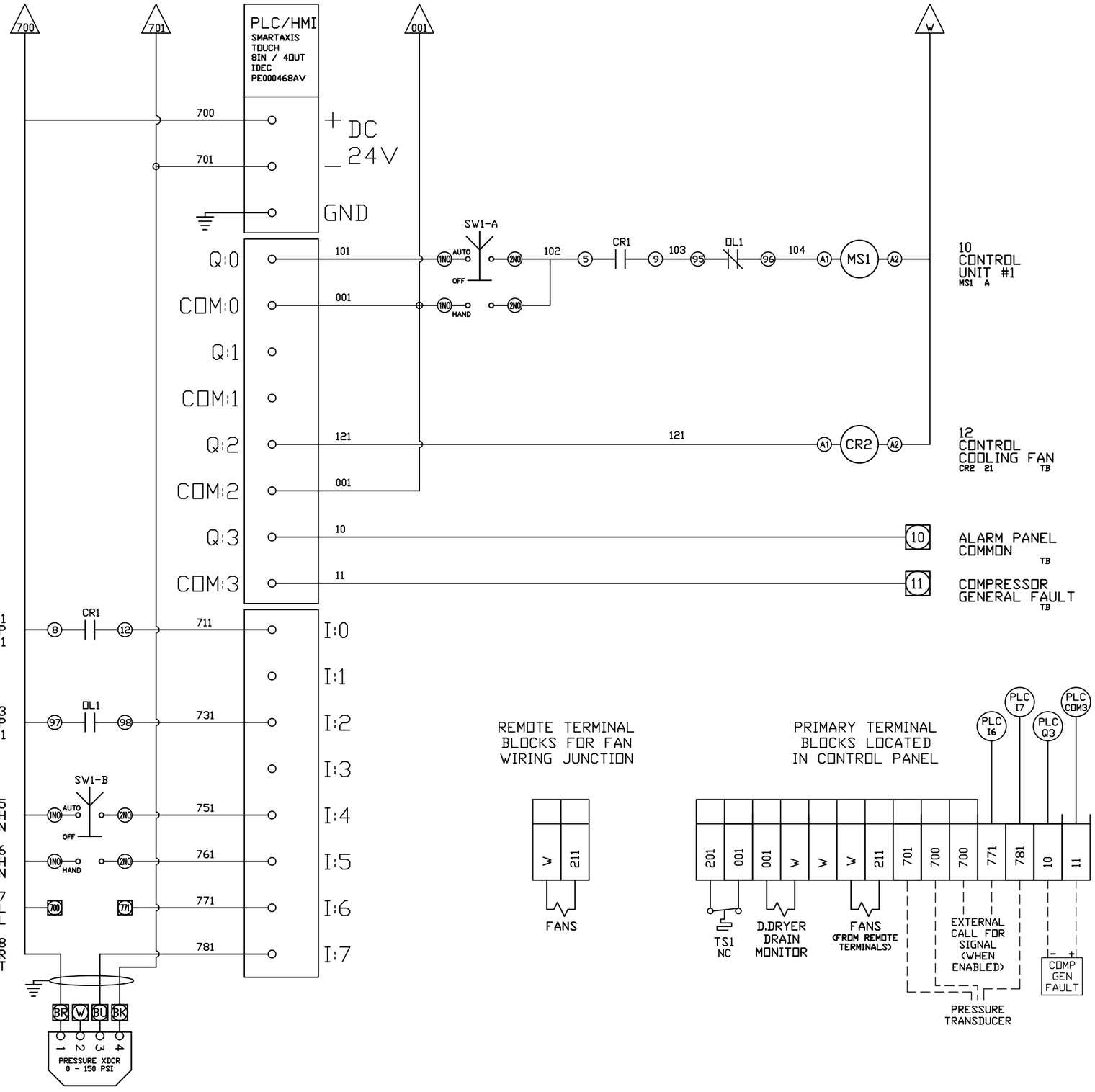
DWG. NO.

PETIS-160

SHEET	SIZE
W-1	B

PETIS-160 B1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD



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 SIMPLEX
GENERAL FAULT

DWG. TYPE WIRING

DWG. NO.

PETIS-160

SHEET	SIZE
W-2	B

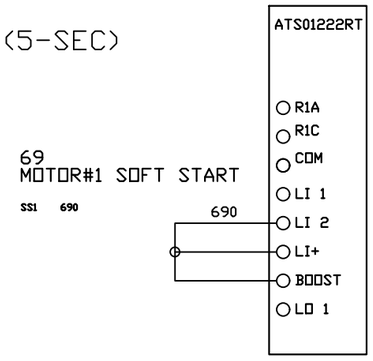
PETIS-160 B1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD

SET START TIME TO B (3-SEC)

SET INITIAL VOLT SETTING TO D (67%)

SET STOP TIME TO C (5-SEC)



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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 SIMPLEX GENERAL FAULT

DWG. TYPE WIRING

DWG. NO.

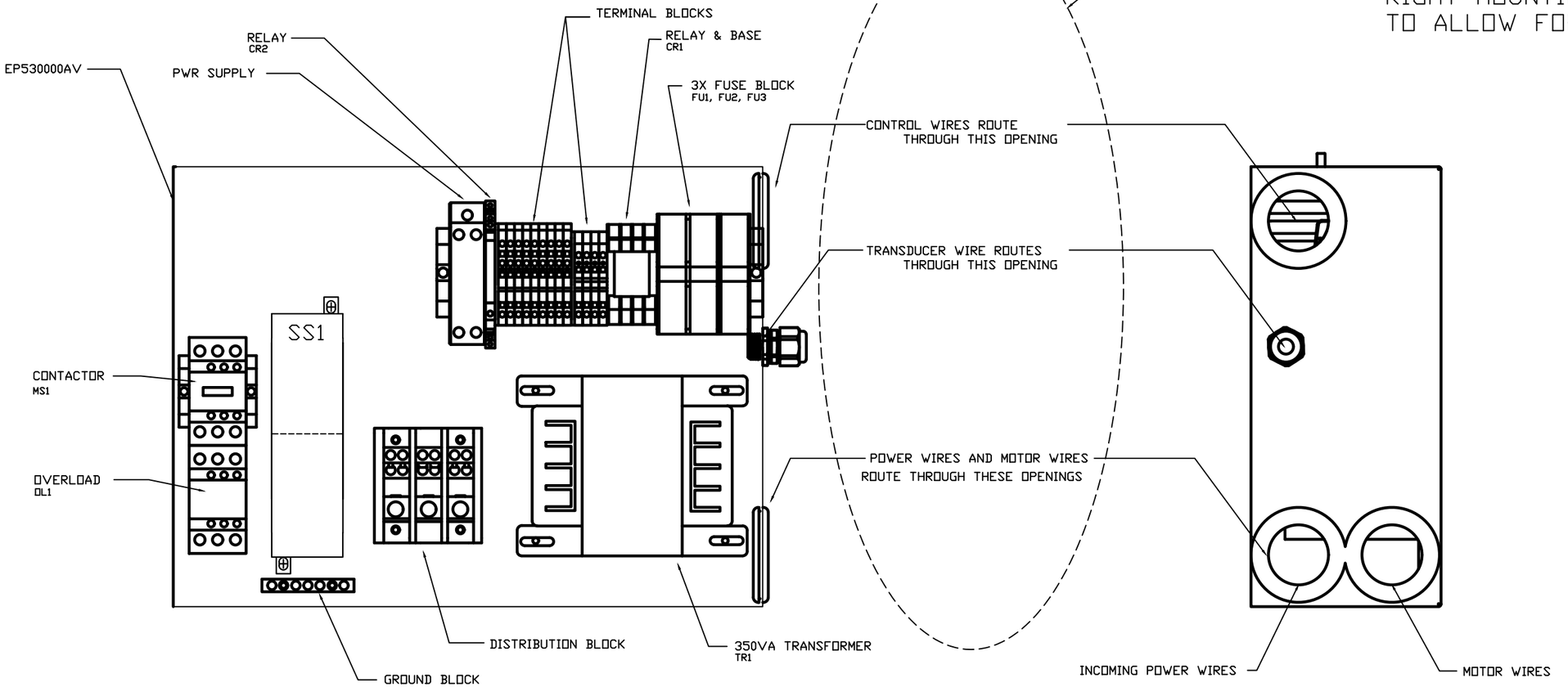
PETIS-160

SHEET	SIZE
W-3	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD

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:

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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 SIMPLEX GENERAL FAULT

DWG. TYPE LAYOUT

DWG. NO.

PETIS-160

SHEET	SIZE
LA-1	B

PETIS-160 B1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD

TABLE 1

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
PETIS16072AJ	7.5	208V/3ø	19.2	21.2	60A	40A	50A
PETIS16073AJ	7.5	230V/3ø	17.3	19.3	60A	35A	50A
PETIS16074AJ	7.5	460V/3ø	8.87	10.9	30A	20A	25A
PETIS16077AJ	7.5	575V/3ø	9.6	11.6	35A	20A	30A
PETIS160A2AJ	10	208V/3ø	26.5	28.2	90A	50A	70A
PETIS160A3AJ	10	230V/3ø	23.0	25.0	80A	45A	60A
PETIS160A4AJ	10	460V/3ø	11.9	13.9	40A	25A	35A
PETIS160A7AJ	10	575V/3ø	9.92	11.9	35A	20A	30A

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 VOLTAGE 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.

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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SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE
SCROLL ENCL TNKMNT SIMPLEX GENERAL FAULT

DWG. TYPE DATA

DWG. NO.
PETIS-160

SHEET D-1

SIZE B

PETIS-160 B1