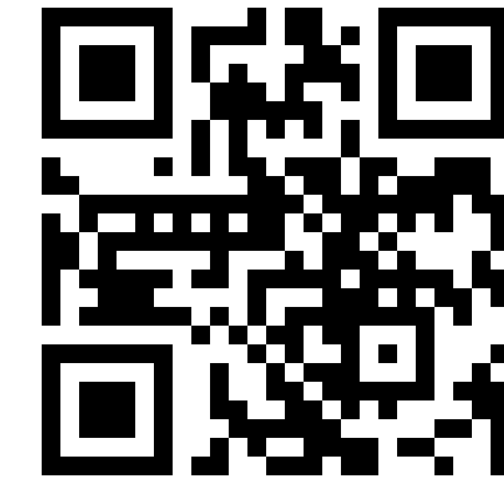




# Precision Digital Corporation

233 South Street  
Hopkinton MA 01748  
Phone (508) 655 - 7300  
Email sales@predig.com



[www.predig.com](http://www.predig.com)

Part Number	PDEA-A6PVA6-PL-1FGYRH-H-R		
Manufacturer	Precision Digital Corporation	Feed-In Voltage	120VAC
Project Description	Process Value Alarm	Control Voltage	120VAC
Type	Standard Product	Environmental Rating	UL Type 4X
Regulation	UL508A	Short Circuit Current Rating	N/A
Created on	05/28/26		
Edit date	06/12/26	by: SLEONARD	Number of pages 12

<b>Creation Date</b> 05/28/26	<b>Creator Name</b> SLEONARD	<b>Specifications:</b> UL508A LISTED CONTROL PANEL Class 1 Control Circuit Incoming Power: 120 VAC 50/60 HZ, 5A Fuse Spec: UL Listed 125/250 VAC 5A Circuit Breaker Spec: UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve	<b>Installation Requirements:</b> Use only Copper Conductors rated 250V min, 60°C min. Tighten Fuse Terminals to 7 in.-lbs. Tighten Circuit Breaker Terminals to 21 in.-lbs. Tighten GND and N Terminal Blocks to 4.4 in.-lbs. Tighten all other Field Terminals to 3.5 in.-lbs. Use conduit hubs or fittings with the same environmental rating as the enclosure.	<b>Notes:</b>		<b>Project Name</b> PDEA-A6PVA6-PL-1FGYRH-H-R  233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 <a href="http://www.predig.com">www.predig.com</a>	<b>Project Description</b> Process Value Alarm	<b>Document Type</b> Title page / cover sheet	<b>Section Page NO.</b> 1 of 2		
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD					<b>Drawing Number</b> DWG-PDEA-A6PVA6-PL-1FGYRH-0-R	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Title Page	<b>Project Sheet NO.</b> 1 of 12	<b>REV.</b> B

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Precision Digital Corporation

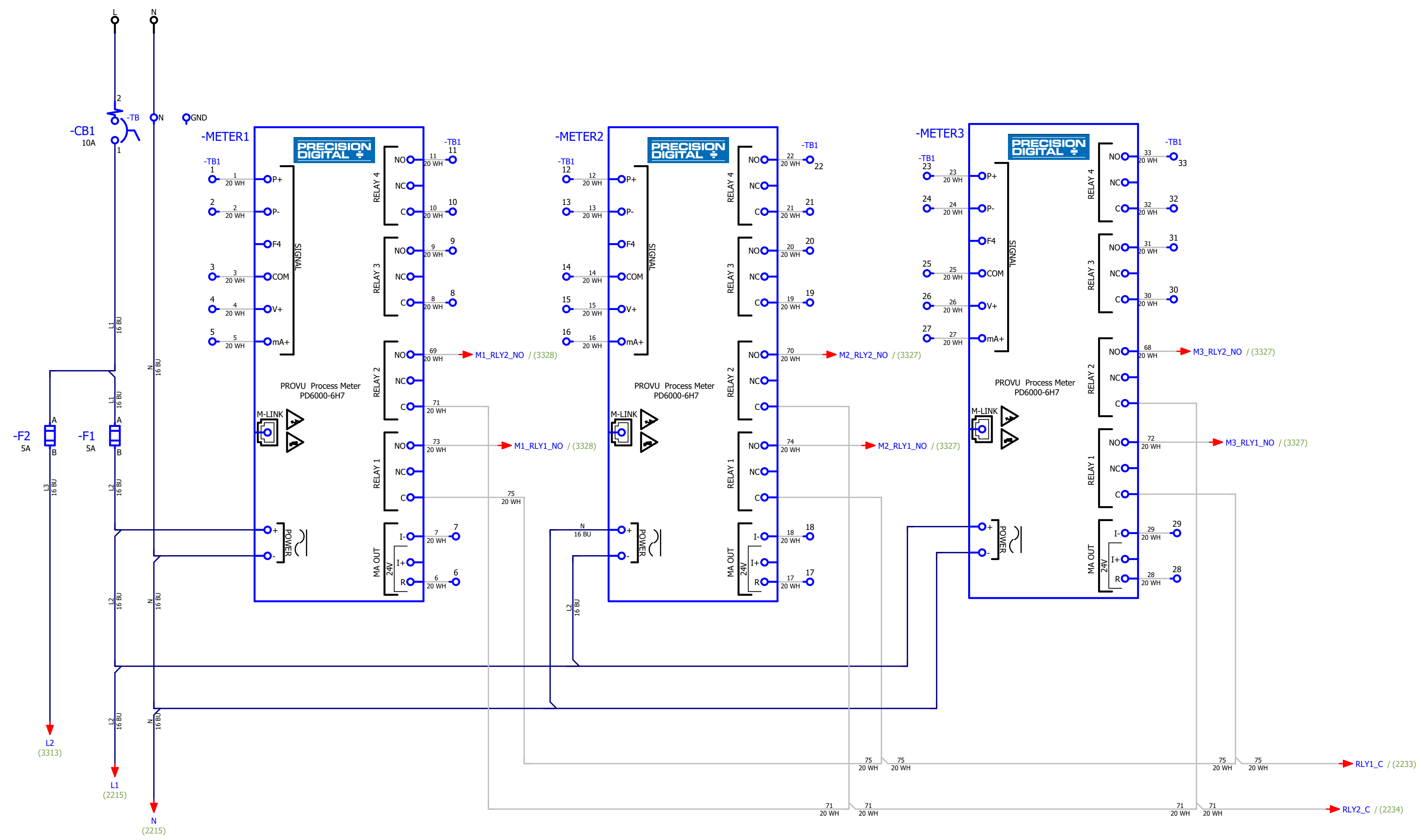
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Hopkinton MA, 01748

Page	Page Description	Date	Edited By
1	Title Page	05/29/26	SLEONARD
2	Table of Contents	06/12/26	SLEONARD
<b>Electrical Schematic</b>			
3	Internal Panel Wiring	05/29/26	SLEONARD
4	Internal Panel Wiring	05/29/26	SLEONARD
5	Internal Panel Wiring	05/29/26	SLEONARD
<b>Panel Layout</b>			
6	Subpanel Layout	05/29/26	SLEONARD
7	External Enclosure Layout	06/12/26	SLEONARD
<b>Bill of Materials</b>			
8	Summarized Parts List	06/01/26	SLEONARD
9	Summarized Parts List	05/29/26	SLEONARD
10	Summarized Parts List	05/29/26	SLEONARD
11	Summarized Parts List	05/29/26	SLEONARD
12	Summarized Parts List	05/29/26	SLEONARD

<b>Creation Date</b> 05/28/26	<b>Creator Name</b> SLEONARD	<b>Specifications:</b> UL508A LISTED CONTROL PANEL Class 1 Control Circuit Incoming Power: 120 VAC 50/60 HZ, 5A Fuse Spec: UL Listed 125/250 VAC 5A Circuit Breaker Spec: UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve	<b>Installation Requirements:</b> Use only Copper Conductors rated 250V min, 60°C min. Tighten Fuse Terminals to 7 in.-lbs. Tighten Circuit Breaker Terminals to 21 in.-lbs. Tighten GND and N Terminal Blocks to 4.4 in.-lbs. Tighten all other Field Terminals to 3.5 in.-lbs. Use conduit hubs or fittings with the same environmental rating as the enclosure.	<b>Notes:</b>	 <p>233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 <a href="http://www.predig.com">www.predig.com</a></p>	<b>Project Name</b> PDEA-A6PVA6-PL-1FGYRH-H-R	<b>Project Description</b> Process Value Alarm	<b>Document Type</b> Table of contents	<b>Section Page NO.</b> 2 of 2	
<b>Mod. Date</b> 06/12/26	<b>Mod. Name</b> SLEONARD					<b>Drawing Number</b> DWG-PDEA-A6PVA6-PL-1FGYRH-0-R	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Table of Contents	<b>Project Sheet NO.</b> 2 of 12

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PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
Specifications:  
Class 1 Control Circuit  
Incoming Power: 120 VAC 50/60 HZ, 5A  
Fuse Spec: UL Listed 125/250 VAC 5A  
Circuit Breaker Spec:  
UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve

Installation Requirements:  
Use only Copper Conductors rated 250V min, 60°C min.  
Tighten Fuse Terminals to 7 in-lbs.  
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<b>Creation Date</b> 05/28/26	<b>Creator Name</b> SLEONARD	<p>233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 www.predig.com</p>	<b>Project Name</b> PDEA-A6PVA6-PL-1FGYRH-H-R	<b>Project Description</b> Process Value Alarm		<b>Document Type</b> Schematic multi-line		<b>Section Page NO.</b> 1 of 3	
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD		<b>Drawing Number</b> DWG-PDEA-A6PVA6-PL-1FGYRH-0-R	<b>UL Requirement</b> UL508A	<b>Scale</b> 2 : 3	<b>Page Title:</b> Internal Panel Wiring		<b>Project Sheet NO.</b> 3 of 12	<b>REV.</b> B

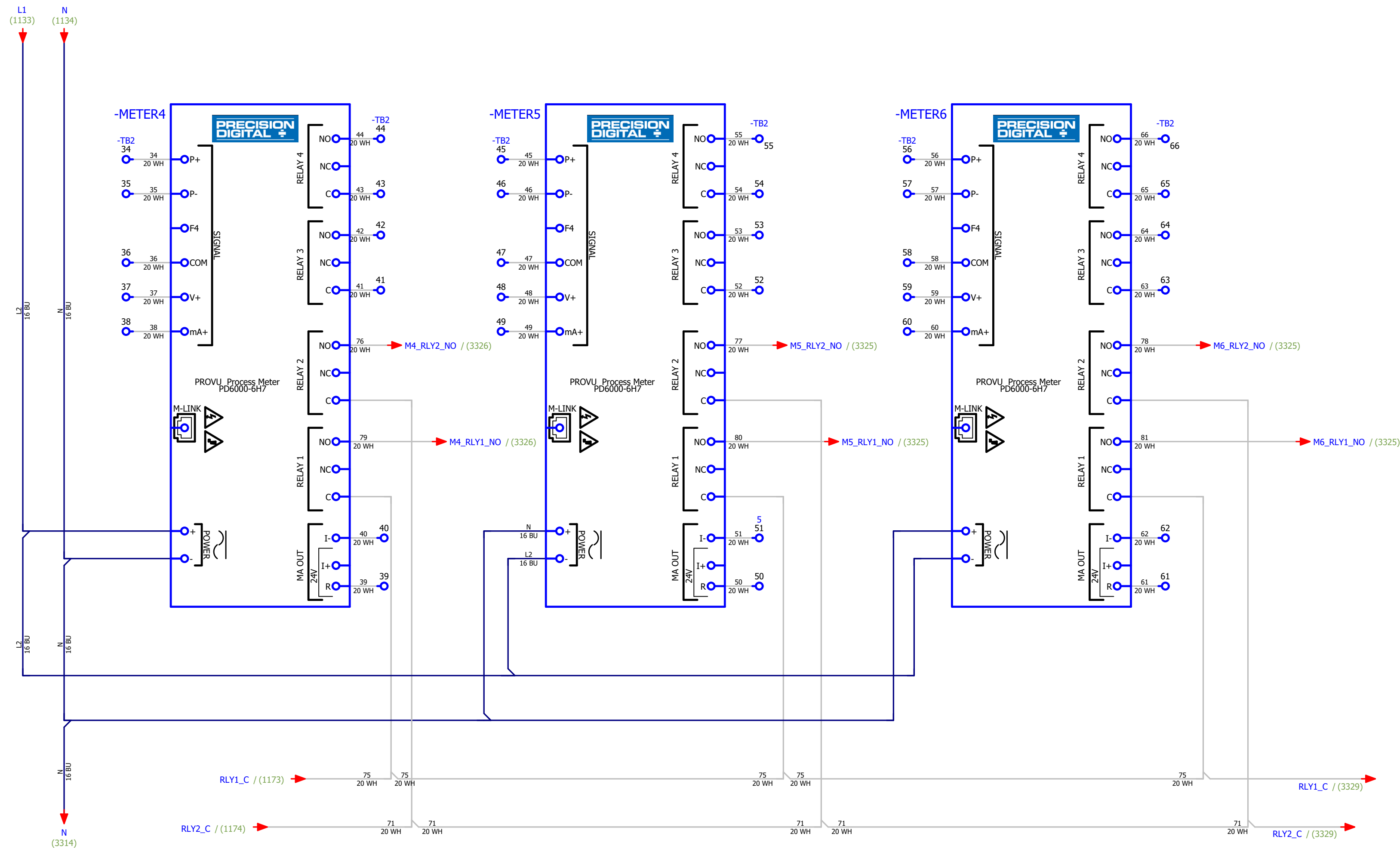
NOTES

PANEL TO BEAR  
UL508A LABEL


**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
Specifications:  
Class 1 Control Circuit  
Incoming Power: 120 VAC 50/60 HZ, 5A  
Fuse Spec: UL Listed 125/250 VAC 5A  
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<b>Creation Date</b> 05/28/26	<b>Creator Name</b> SLEONARD		<b>Project Name</b> PDEA-A6PVA6-PL-1FGYRH-H-R	<b>Project Description</b> Process Value Alarm		<b>Document Type</b> Schematic multi-line		<b>Section Page NO.</b> 2 of 3	
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD		<b>Drawing Number</b> DWG-PDEA-A6PVA6-PL-1FGYRH-0-R	<b>UL Requirement</b> UL508A	<b>Scale</b> 2 : 3	<b>Page Title:</b> Internal Panel Wiring		<b>Project Sheet NO.</b> 4 of 12	<b>REV.</b> B
			233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 www.predig.com						

**NOTES**

1.) LT1 - 120VAC Light Stack Configuration

Pin 1 = Flashing Green Module  
 Pin 2 = Flashing Yellow Module  
 Pin 3 = Flashing Red Module  
 Pin 4 = Horn Module

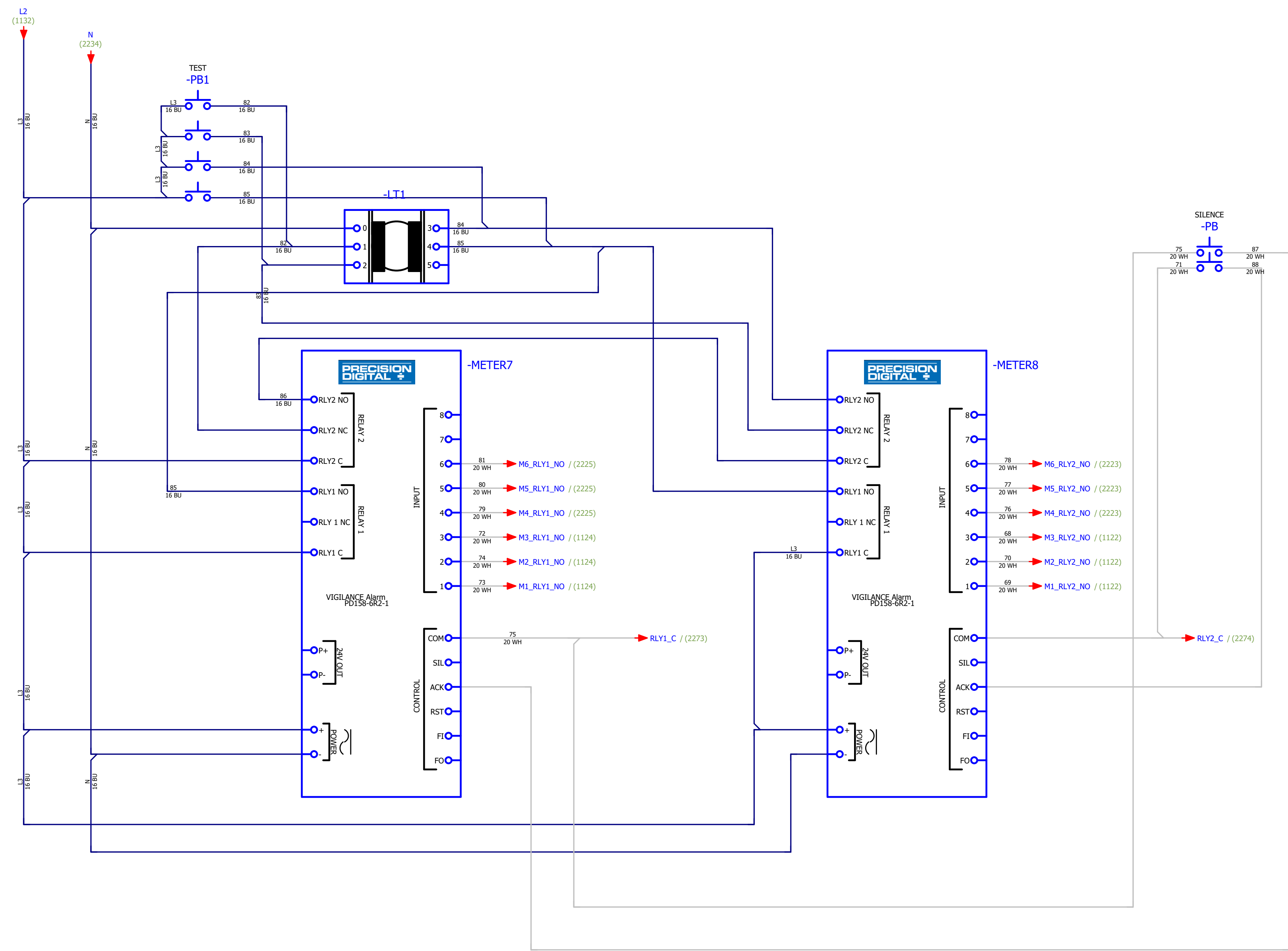
**PANEL TO BEAR  
 UL508A LABEL**

**UL LISTED** UL508A LISTED CONTROL PANEL

**NOTE:**  
 Specifications:  
 Class 1 Control Circuit  
 Incoming Power: 120 VAC 50/60 HZ, 5A  
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 Tighten Fuse Terminals to 7 in-lbs.  
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 Use conduit hubs or fittings with the same environmental rating as the enclosure.

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<b>Creation Date</b>	<b>Creator Name</b>
05/28/26	SLEONARD
<b>Mod. Date</b>	<b>Mod. Name</b>
05/29/26	SLEONARD



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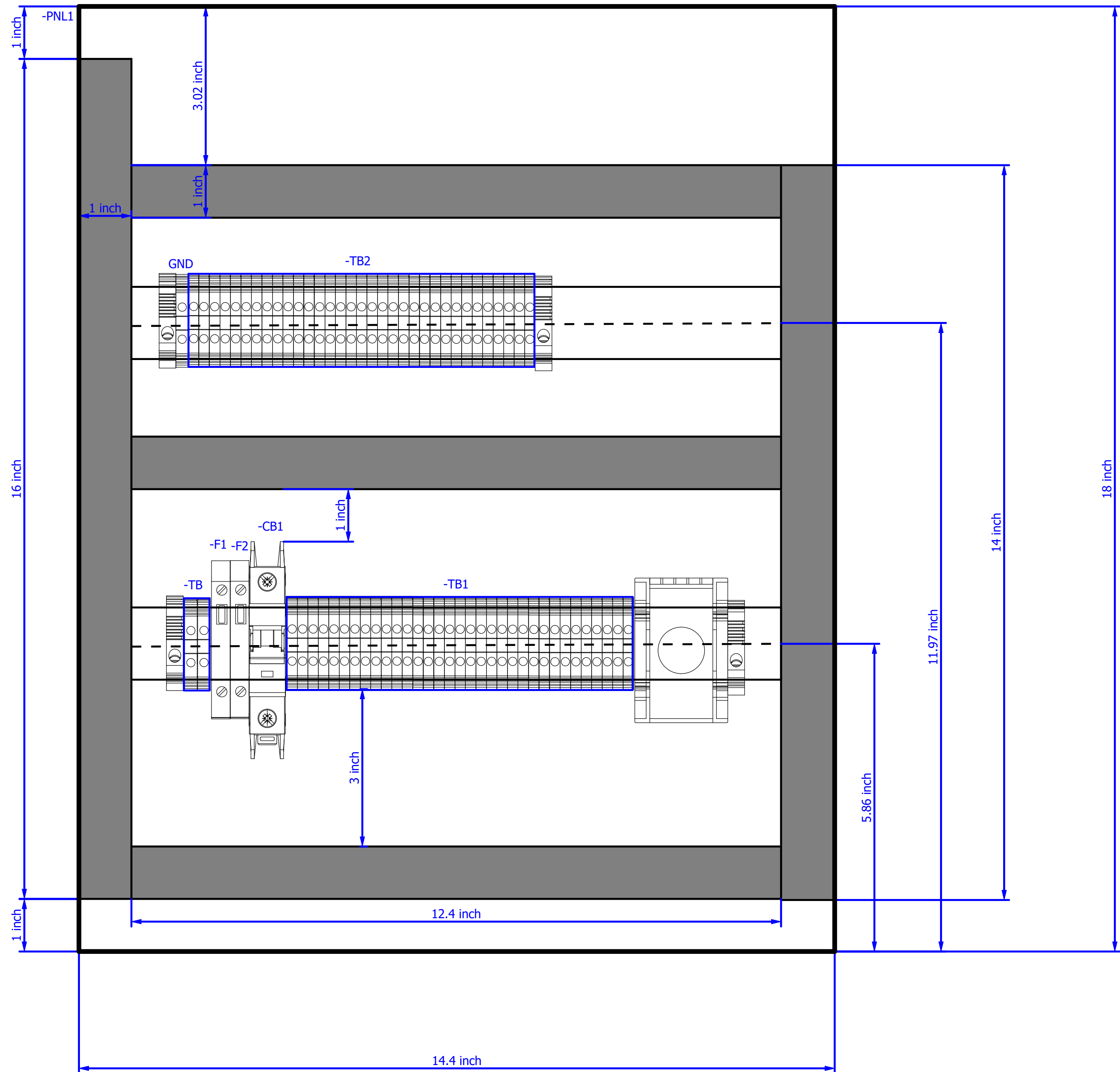
<b>Project Name</b>	PDEA-A6PVA6-PL-1FGYRH-H-R
<b>Drawing Number</b>	DWG-PDEA-A6PVA6-PL-1FGYRH-0-R

<b>Project Description</b>	Process Value Alarm
<b>UL Requirement</b>	UL508A
<b>Scale</b>	2 : 3

<b>Document Type</b>	Schematic multi-line
<b>Page Title:</b>	Internal Panel Wiring

<b>Section Page NO.</b>	3 of 3
<b>Project Sheet NO.</b>	5 of 12
<b>REV.</b>	B

NOTES



PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
Specifications:  
Class 1 Control Circuit  
Incoming Power: 120 VAC 50/60 HZ, 5A  
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UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve

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Tighten all other Field Terminals to 3.5 in-lbs.  
Use conduit hubs or fittings with the same environmental rating as the enclosure.

Creation Date	Creator Name
05/28/26	SLEONARD
Mod. Date	Mod. Name
05/29/26	SLEONARD



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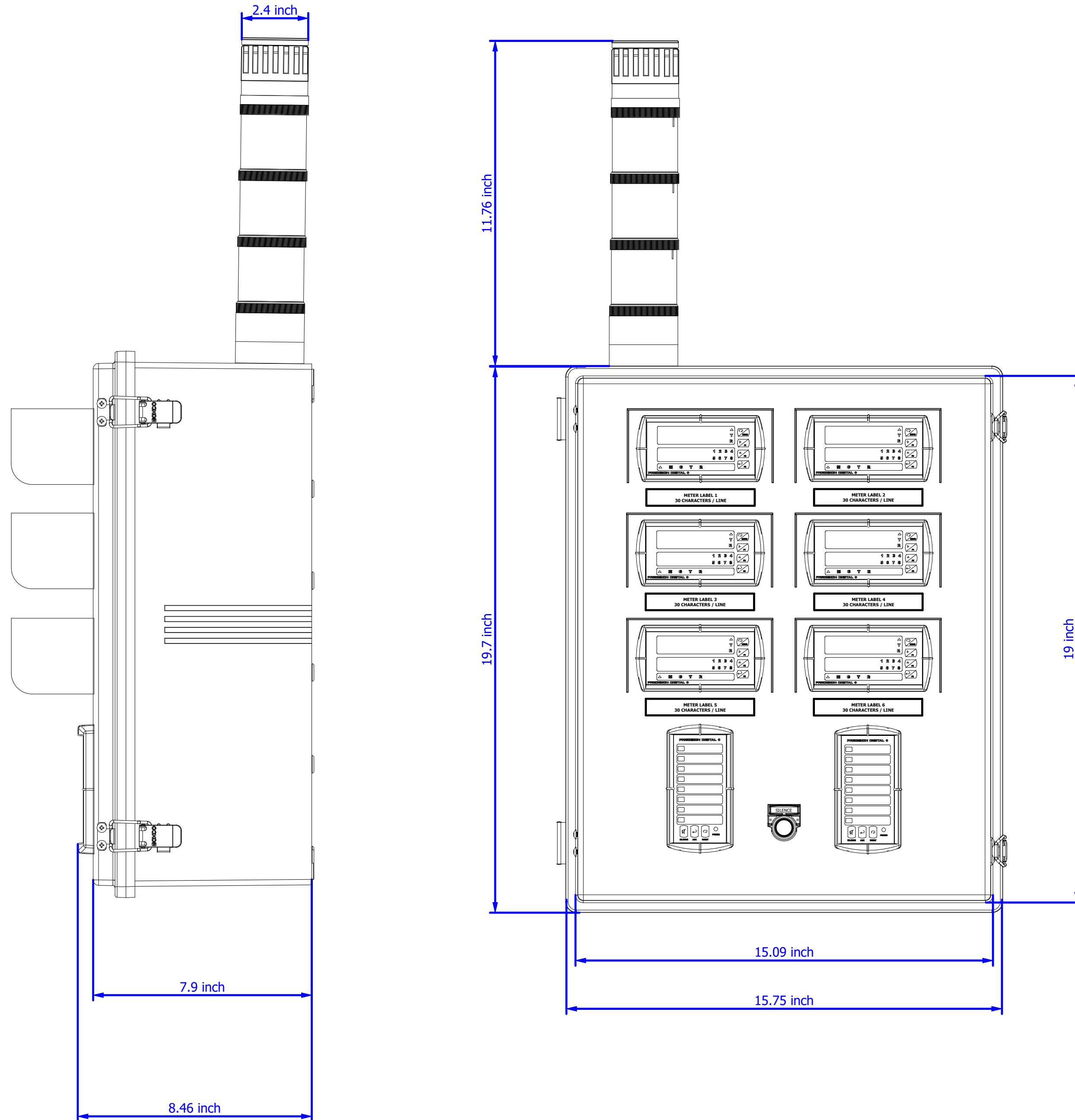
Project Name	PDEA-A6PVA6-PL-1FGYRH-H-R
Drawing Number	DWG-PDEA-A6PVA6-PL-1FGYRH-0-R

Project Description	Process Value Alarm
UL Requirement	UL508A

Document Type	Panel layout
Page Title:	Subpanel Layout

Section Page NO.	1 of 2
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REV.	B

NOTES



PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
Specifications:  
Class 1 Control Circuit  
Incoming Power: 120 VAC 50/60 HZ, 5A  
Fuse Spec: UL Listed 125/250 VAC 5A  
Circuit Breaker Spec:  
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Use conduit hubs or fittings with the same  
environmental rating as the enclosure.

Creation Date	Creator Name
05/28/26	SLEONARD
Mod. Date	Mod. Name
06/12/26	SLEONARD



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Project Name	PDEA-A6PVA6-PL-1FGYRH-H-R
Drawing Number	DWG-PDEA-A6PVA6-PL-1FGYRH-0-R

Project Description	Process Value Alarm
UL Requirement	UL508A

Document Type	Panel layout
Page Title:	External Enclosure Layout
Scale	1 : 3

Section Page NO.	2 of 2
Project Sheet NO.	7 of 12
REV.	B

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
PD6000-6H7	6	SunBright ProVu Process Meter (85-265 VAC / 90-265 VDC) Input: (1) 0-20 mA, 4-20 mA, 0-5 V, 1-5 V, and ±10 V Outputs: 4 Relays with Interlocking Capability & (1) 24VDC 4-20mA Signal	Precision Digital			1
PD158-6R2-1	2	Vigilante II 1/8 DIN Alarm Annunciator UL Type 4X 85-265 VAC, 90-265 VDC Outputs: 24 VDC @ 200 mA & (2) Relays	Precision Digital			2
PDA2310	1	UL Type / NEMA 4X Enclosure Plastic 15.8" by 19.7" by 7.9" (WxHxD)	Precision Digital			3
PDP2310	1	14.4" x 18" Plastic Subpanel	Precision Digital			4
PDA18DINSH	6	Stainless Steel Sun Hood for 1/8 DIN Meter 316 Stainless Steel	Precision Digital			5
	1	YDE Piezo buzzer module 120VAC UL 4/4X/13; 90 dB 90dB	Auer Signal			6
	1	YDA LED RD flashing beacon module 120VAC UL 4/4X/13 ECO60	Auer Signal			7
	1	YDA LED YE flashing beacon module 120VAC UL 4/4X/13 ECO60	Auer Signal			8
	1	YDA LED GRN Steady beacon module 120VAC UL 4/4X/13 ECO60	Auer Signal			9

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	YMS Base for horizontal mounting UL 4/4X/13	Auer Signal			10
PDC-ENC-LBL	1	Engraved General Enclosure Label	Precision Digital			11
PDC-METER-LBL	6	Engraved Panel Meter Label	Precision Digital			12
	2	22 mm Black Flush Momentary Black Bezel Pushbutton NEMA 4X	BACO Controls			13
	2	22 mm Plastic Anti-Rotation Ring Button/Switch Accessory	BACO Controls			14
	1	22 mm Black Standard Silence Legend Plate Plastic Insert Button/Switch Accessory	BACO Controls			15
	1	22 mm Black Standard Test Legend Plate Plastic Insert Button/Switch Accessory	BACO Controls			16
	1	Push button adapter for DIN rail mounting	Siemens			17
	2	3 Position Clip Button/Switch Accessory	BACO Controls			18

# Summarized Parts List

Precision Digital Corporation

233 South Street  
Hopkinton MA, 01748






Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	6	1 Normally Open (NO) Screw Terminal Contact Block Button/Switch Accessory	BACO Controls			19
	1	Miniature circuit breaker (MCB), C10/1 pole, NA, labelling	Eaton			20
	2	High voltage 1/4" x 1-1/4" time delay ceramic fuse 500 Vac/250 Vdc Current Rating 5A	Eaton			21
	2	4 sq.mm Fuse Terminal Blocks 35mm DIN Rail Mount Compatible with MDP series fuses	Connectwell Industries			22
	2	End Plate in Grey colour	Connectwell Industries			23
	68	1" of Cable duct 25 x 40 25 x 40 mm	Phoenix Contact			24
	1	Screw single-level feedthrough terminal block, accepts wire size 26-10 AWG 30A, 35mm DIN rail mount 100kA SCCR w/ correct line side OCP	KONNECT-IT			25
	66	Screw single-level feedthrough terminal block, accepts wire size 26-12 AWG 20A, 35mm DIN rail mount 100kA SCCR w/ correct line side OCP	KONNECT-IT			26
	2	Screw grounding terminal block, accepts wire size 26-10 AWG Green and yellow, 35mm DIN rail mount	KONNECT-IT			27

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748












Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	2	Single Terminal Block End Cap	KONNECT-IT			28
	1	Terminal Marking Tag 1-50	KONNECT-IT			29
	1	Terminal Marking Tag "L"	KONNECT-IT			30
	1	Terminal Marking Tag "GND"	KONNECT-IT			31
	1	Terminal Marking Tag "N"	KONNECT-IT			32
	4	Screw-down end bracket 8mm Wide	KONNECT-IT			33
	1	Laser Label, 1.5" x 3.375"	Precision Digital			34
	1	Poly Adhesive Pocket	Precision Digital			35
	1	UL Enclosure ICP CULUS Label	Precision Digital			36

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	Demo "PDC" Faceplate Label	Precision Digital			37
	1	Vinyl Label 1.5" X 3.375"	Precision Digital			38
	260	Wire Label 13 X 19	Precision Digital			39
	2820	1" of 20 AWG Hook-Up Wire 10/30 White 600V	Alpha Wire			40
	1800	1" of 16 AWG Hook-Up Wire 26/30 Blue 600V	Alpha Wire			41
	1	10" DIN rail	Precision Digital			42