



Submittal Package Approval Sheet

Amgen Rockville Workplace - Interior Renovation
9605 Medical Center Dr.
Rockville, MD 20850

DPR Construction, A General Partnership
Project #: D4-C24022-00

DPR Construction, A General Partnership	
The logo for DPR Construction features the letters "DPR" in a large, bold, blue font. A red swoosh graphic is positioned to the left of the "D". Below "DPR" is the word "CONSTRUCTION" in a smaller, blue, sans-serif font.	<p>Reviewed for general conformance to the contract documents. This review does not relieve the subcontractor of the responsibility of making the work conform to the contract requirements. The subcontractor is responsible for all dimensions, correct fabrication, and accurate fit with the work of other trades.</p> <p>Submittal No: 28-3100-001</p> <p>DPR Project No: D4-C24022-00</p> <p>Reviewed By: Owen Schweitzer</p> <p>Date: 2/6/25</p> <p>Prepared By: Perlectric</p>
Architect	

Engineer	Consultant



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DPR Construction, A General Partnership
Project #: D4-C24022-00

Date: 2/6/25

Transmitted To:

Lamar Johnson Collaborative
35 East Wacker Drive, Suite 1300
Chicago, IL 60601

Rachel Walter

Transmitted By:

DPR Construction, A General Partnership
6716 Alexander Bell Dr 110
Columbia MD 21046

Owen Schweitzer
Tel: 240-306-7763

Transmitted For

For Approval

Delivered Via

Email

Reference

Status

Due Date

Open

2/13/25

#	Qty	Item	Date	Ref	Cycle	Description	Comments	Status
1	1	Shop Drawing	2/6/25	-	1	Fire Alarm Shop Drawings		Open
1	1	Product Data	2/6/25	-	1	Strobe and Speaker PD		Open
			-					
			-					
			-					
			-					

Cc: Company Name

Contact Name

Remarks

PERLECTRIC

2711 Prosperity Ave Suite 300 Fairfax, Virginia 22031-4308
Telephone: 703-352-5151 • Fax: 703-352-5155

AMGEN

Rockville 3rd Floor TI

9605 Medical Center Drive

Rockville, MD 20850

FIRE ALARM

SYSTEM

Submittal Package

02/3/2025



FIRE ALARM SYSTEM SUBMITTAL

AMGEN ROCKVILLE 3RD FLOOR
9605 MEDICAL CENTER DRIVE SUITE 300
ROCKVILLE MD, 20850

Project Number: 101804.06

Installing Contractor: PERLECTRIC INC.
2711 PROSPERITY AVE. SUITE 300
FAIRFAX, VA 22301

Submittal Date: 2/3/2025

Equipment Supplier: FIRELINE

Sales Representative: GARY HODDINOTT

Designed By: HARRY LOWMAN

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Section 1: General Procedure and Contact Information

The following is a guide to address procedures and provide you with contact information that will be helpful in completing this project.

FIRELINE:	410.247.1422	
SALESPERSON:	Matt Adams	443.534.4508 madams@fireline.com
SALESPERSON:	Gary Hoddinott	410.977.1054 ghoddinott@fireline.com
DESIGNER:	Harry Lowman	443.506.7413 hlowman@fireline.com
TECH SUPERVISOR:	Dwon Bess	410.977.7030 dbess@fireline.com
TECH SCHEDULER:	Stacey Lockner	240.444.7060 slockner@fireline.com
INSIDE SALES:	Josue Siles	443.979.0654 jsiles@fireline.com

SALES, SUBMITTAL, OR TECHNICAL QUESTIONS:

Any questions about change orders or pricing should be directed to the salesperson. Questions related to the information in the drawings or submittal booklets should be directed to the designer. The designer or the technician supervisor can answer technical questions.

REVIEW COMMENTS:

Any review comments that result from submitting this project should be forwarded to the designer so they can be incorporated into the drawing set as required.

RELEASING OF MATERIAL:

Please call or email the designer to release the material for this job. Please allow a lead time of at least ten business days for material orders. Smaller orders may be in stock; larger projects may require longer lead times based on current conditions. If the material is to be delivered to your warehouse or the job site, please allow an additional 3-5 days from the day you request delivery. If material is not delivered to your office, please provide us with the location address, job site contact, phone number of contact, and hours available for delivery.

FABRICATION AND ORDERING OF GRAPHIC ANNUNCIATORS:

If your job has a graphic annunciator or graphic plaque, please allow a lead time of 2 to 3 weeks for annunciators to be manufactured. Special annunciators and fan/smoke control panels may take longer to determine on a case-by-case basis. The Owner or Owner's Representative must sign the approval box on the graphic drawing and send it, marked up with any corrections, to the designer before ordering. We will need to know if your Graphic Annunciator is surface or recessed when you order the back box.

OPERATIONS AND MAINTENANCE MANUALS:

If you need Operations and Maintenance Manuals, please provide a date by which they are required, allowing us five business days to assemble and send them. If manuals are requested before a project is completed, they can be provided without a 72 form and warranty letter, as those dated documents depend on the completion of the final acceptance test.

SCHEDULING A TECHNICIAN FOR STARTUP OR FINAL INSPECTION:

For the scheduling of Technicians, please call the Technician Scheduler. Technicians should be scheduled at least five business days before the requested date. Technicians requested within the 5-business day window are on an "as available basis" and cannot be guaranteed. Before the technician coming out for a startup, the following items should be completed:

- All devices are installed as shown on the approved drawings. Any deviations or added devices should be marked on the onsite as-built set.
- All cabinets, back boxes, or panels should be installed.
- Permanent power should be available to all applicable panels. Do not apply power to any panel until the Fireline technician is present.
- All wire should be installed per the submittal drawings and applicable codes.
- Wires to a panel should be pulled into the cabinet with adequate slack for proper row termination. All wires should be tagged.
- Wire should be tested to be free of shorts, grounds, and opens.
- End of Line Resistors should be in place and verified with a meter.
- If your project has a dialer/communicator that requires telephone lines, RJ31X jacks should be installed and labeled. **If Fireline is not providing you with monitoring**, we will need the following information for the Monitoring Account provider: Live Operator Number, Receive Number, Account Number, Format, and Passcode if needed.

CODE REQUIRED MONITORING INFORMATION:

Fireline provides several different types of monitoring technologies, including cellular and radio (no phone lines required) lines and traditional POTS phone lines. **Digital Phone (VOIP) Lines may not work properly with Fire Alarm equipment.** Please call the inside salesperson to set up a Monitoring Contract or get a quote.

CODE REQUIRED INSPECTIONS INFORMATION:

The local fire code requires periodic inspections of your system. Fireline must perform the first inspection to keep your system in compliance. For fire code-required inspections of your system, please call the inside salesperson.

SYSTEM SERVICE INFORMATION:

For Service and/or Inspection of your system, telephone the Fireline Corporation at 410.247.1422 and ask for the Operator. The operator will direct you to the proper person who can assist you with your needs. If the call is after normal business hours, The Fireline Corporation maintains a 24-hour answering service, which will contact a service technician to correct the system difficulty.

Section 2: Bill of Material

<u>Qty.</u>	<u>Manufacturer</u>	<u>Part Number</u>	<u>Description</u>
2	Power Sonic	PS-1270	Battery 12V 7AH
1	Potter	PSN-106B	Power Booster 10 Amp
1	Notifier	FMM-101	Monitor Module Mini
21	System Sensor	SCWLED	Strobe/White/Ceiling
17	System Sensor	PC2WLED	Horn/Strobe White/Ceiling

Section 3: Battery Calculations

Battery Calculations FABP#8 (PSN-106B)

FABP BATTERY CALCULATION

A	B	C	D	E	F
Device	Quan.	Standby Current	Total Standby Current (B x C)	MAX Alarm Current	Total Alarm Current (B x E)
STANDBY CALCULATIONS					
PSN-106	1	0.06	0.06	0.200	0.200
TOTAL CURRENT USED	1			10.000	10.000
Total standby current. Sum of column D Enter 4, 24, or 60 for standby hours needed. Total standby AH (Amp Hours).	x	0.06 24 1.440			
ALARM CALCULATIONS					
Total alarm current. Sum of column F Enter 0.084 for 5, 0.25 for 15, or 1 for 60 minutes of Alarm Total alarm AH	x			10.20 0.084 0.86	
REQUIRED STANDBY					
Total AH needed. Sum of Standby and Alarm AH Spare Capacity/Derating factor 20%				2.30 1.20 2.76	
Total AH required					

Battery Supplied: 2 12 VDC 7Amp Hour

The purpose of this calculation is to show that under a full load this panel will not need a battery larger than 7 ah.
For actual individual panel loads see circuit calculations sheet.

Circuit Calculations Audio/Visual

FABP8

DEVICE TYPE :	PC2 LED Series Ceiling				SC LED Series Ceiling				Existing Load	10.0A : RATING				Min EOLV 16V		
										8.0A : MAX AT 80%						
	0.035	0.038	0.087	0.092	0.018	0.022	0.07	0.075		TOTAL A	GA	DIS	VOLT- DROP			
CANDELA :	15cd	30cd	75cd	95cd	15cd	30cd	75cd	95cd								
FABP8-1	3	3			10					.546A	14	358'	1.200V	19.20V		
FABP8-2		1	4		8	2				.574A	14	245'	.863V	19.54V		
FABP8-3			3			1				.283A	14	133'	.231V	20.17V		
TOTALS	3	1	10	0	18	3	0	0		1.403A	: AMPS USED		SPARE: 6.597A			

Section 4: Catalog Data Sheets

Potter	PSN-106 (Black Enclosure)
Notifier	FMM-1, FMM-101, FZM-1, FDM-1 Monitor Modules
Power Sonic	PS-1270 Batteries
System Sensor	L Series Indoor LED Horn Strobes and Strobes

Features

- PSN-64 has 6 amps regulated with 4 outputs
- PSN-106 has 10 amps regulated with 6 outputs
- May be configured as up to three class "A" Style "Z" notification circuits
- Two Trouble relays (5A at 30VDC) General System Trouble (programmable for AC delay) Low AC Trouble with optional delay settings
- Diagnostic LED's Status LED's for Active NAC and NAC Trouble conditions.
- Quadrasync feature synchronizes strobes from AMSECO, Gentex, Cooper-Wheelock and System Sensor.
- Configurable output circuits (DIP switch sets options for each circuit)
- Reference EOL allows 2K – 27K EOL value to be used
- Pass Thru mode allows the outputs to match the input signal from FACP



Description

The PSN series of notification power supplies offers reliable notification power with unprecedented versatility. The power supplies offer either 6 or 10 amps of continuous power through 4 or 6 outputs respectively. Each output is rated at 3 amps and it may be used continuously without any derating. The power supply operates on either 120 VAC or 220 VAC power input and has a regulated 24 VDC output. In addition, the power supply can charge up to 55 AH batteries and leads the industry in housing up to 18 AH batteries. The cabinet is constructed out of 18 gauge cold rolled steel and has a durable red powder coat finish. In addition, a key lock is provided for securing the door. Ample electrical knockouts are provided on the sides and the top, allowing the installer options for running wires and maintaining the correct separations.

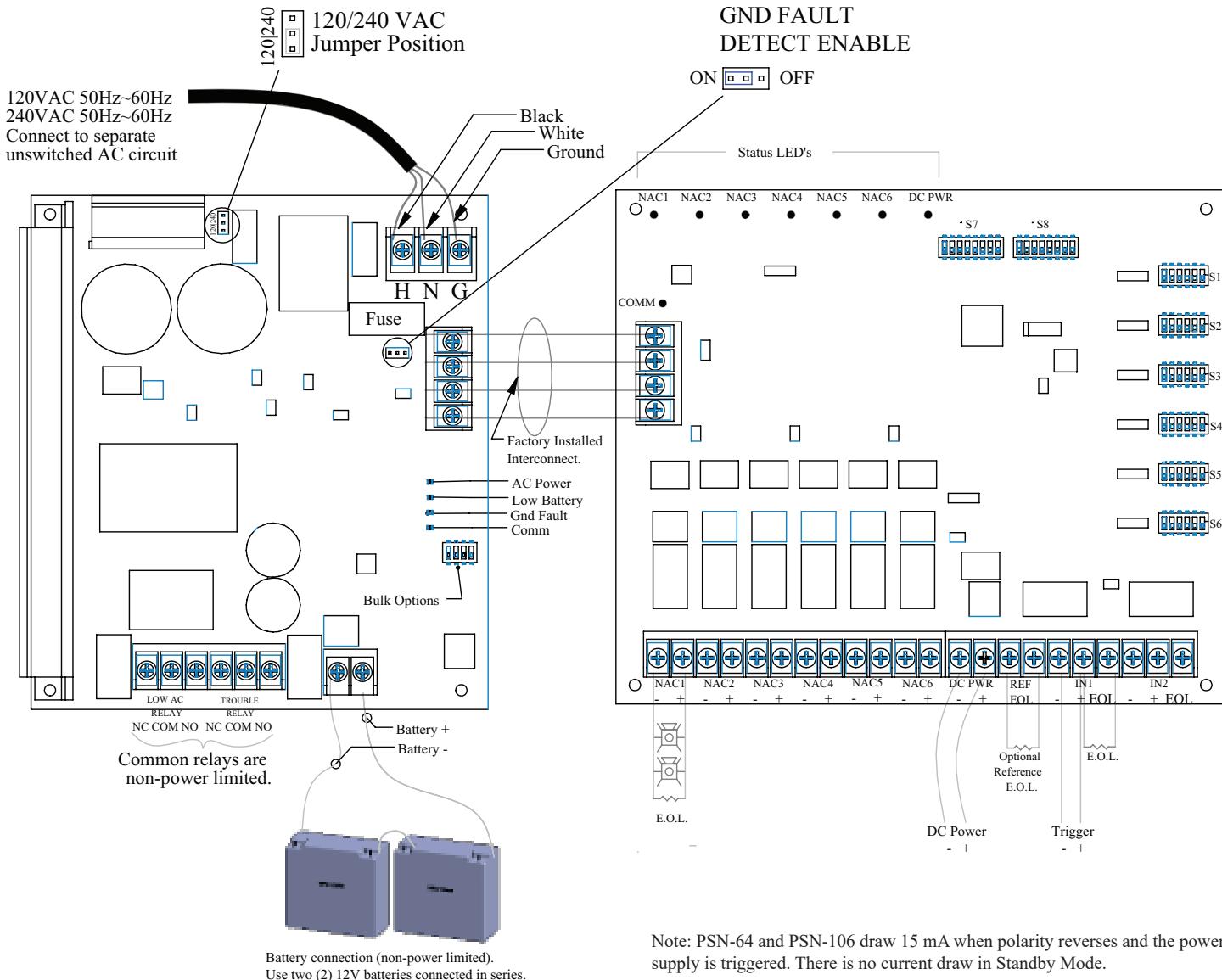
The power supply offers an industry leading Quadrasync function that allows for multiple strobe circuits of different brands to be synchronized to flash at the same time. The power supply can have four different brands each connected to its own circuit and all the strobes flash together. Each output can independently be configured to provide one of four synchronizations or steady power. This provides unequivocal flexibility in new and retrofit installations. The power supply can be configured to synchronize AMSECO®, Gentex®, Wheelock® and System Sensor® strobe devices. Each output can be configured to the same sync protocol or set independently. In addition, the power supply has an input Pass Thru mode which allows the outputs to follow the input signal from a non-supported synchronization protocol. The power supply will recognize the type of input being supplied and pass this through to the outputs with

the same pattern. This input pass through can be selected on each output independently. The power supply contains simple dipswitch programming and LED indicators providing the installer the ability to correct any possible faults. A Trouble Memory is provided to allow an installer to review past troubles and make the necessary repairs. Each output has an LED to pinpoint the exact circuit where a trouble may have occurred. Relays are provided for monitoring the general system and AC failure. Each output can be independently configured for various applications and installations. Each output can be independently configured for Class A or Class B operation, constant power, ANSI Temporal Code 3, Single, Multiple or Combo Inputs or Door Holder Power.

Technical Specifications

Size (H x W x D)	16 1/8" W x 16 3/4" W x 3 1/2" D
Enclosure	Eighteen (18) gauge sheet steel with hinged, locked door
Power Input	120VAC @ 60Hz 220/240VAC @ 50Hz 5.1 Amps @ 120 VAC 2.5 Amps @ 240 VAC
Current	75mA Standby & Alarm (no external load)
Input Voltage Trigger	15mA @ 8 – 33 VDC
Terminals	18-12 AWG
Temperature	32° F to 120°F (0°C to 49°C) with a maximum humidity of 93% non-condensing
NAC Output	3 Amp max per NAC, Regulated
Battery Charging	27.3 @ 1A, can support 7 – 55Ah batteries

PSN-106 Wiring Diagram



Ordering Information

Model	Description	Stock No.
PSN-106	10 A Power Supply, 6 NAC Circuits, Red Enclosure	3006437
PSN-106B	10 A Power Supply, 6 NAC Circuits, Black Enclosure	3006446
PSN-64	6 A Power Supply, 4 NAC Circuits, Red Enclosure	3006436

Engineering Specifications

The contractor shall supply and install the Potter PSN power supply. The power supply shall operate on either 120 or 240 VAC input. The panel shall be capable of continuous load power without any degradation to the main supply or the distribution board. The cabinet shall be capable of housing up to 18AH batteries and the panel shall be capable of charging up to 55 AH batteries in an external cabinet.

The panel shall have dip switches for simplistic configuration of the system and LEDs to provide visual indication to the installer of the status of the system. The dip switches shall allow for AC power delay selection, Class A/B operation per output, Door Holder Power options, constant auxiliary power, trigger input type, ANSI Code 3 Temporal Code, Pass Thru (input tracking), AMSECO® sync, Gentex® Sync, System Sensor® Sync or Wheelock® sync. The LEDs shall provide indication of communication between the power supply and distribution circuit assemblies. The LEDs shall have distinct flash patterns to provide further indication of the troubles present. The panel shall have selectable Trouble Memory to provide the installer an indication that a past trouble existed on a circuit for diagnostic purposes.

Each output of the power supply shall be capable of 3 amps of continuous power without degradation overtime. The power supply shall provide for multiple circuits of strobe appliances. The power supply shall synchronize the flashes of any of the above listed strobe appliances on a per circuit basis. Up to four different strobe circuits may be connected and all the strobes shall flash in unison as required by UL 864. In addition to this Quadrasync feature, the panel shall allow any of the four above mentioned sync patterns as an input and pass this signal through and synchronize the outputs to match the input flash pattern.

FMM-1(A), FMM-101(A), FZM-1(A) & FDM-1(A)

Monitor Modules with FlashScan®



Intelligent/Addressable Devices

General

Four different monitor modules are available for Notifier's intelligent control panels for a variety of applications. Monitor modules supervise a circuit of dry-contact input devices, such as conventional heat detectors and pull stations, or monitor and power a circuit of two-wire smoke detectors (FZM-1(A)).

FMM-1(A) is a standard-sized module (typically mounts to a 4" [10.16 cm] square box) that supervises either a Style D (Class A) or Style B (Class B) circuit of dry-contact input devices.

FMM-101(A) is a miniature monitor module a mere 1.3" (3.302 cm) H x 2.75" (6.985 cm) W x 0.65" (1.651 cm) D that supervises a Style B (Class B) circuit of dry-contact input devices. Its compact design allows the FMM-101(A) to be mounted in a single-gang box behind the device it monitors.

FZM-1(A) is a standard-sized module that monitors and supervises compatible two-wire, 24 volt, smoke detectors on a Style D (Class A) or Style B (Class B) circuit.

FDM-1(A) is a standard-sized dual monitor module that monitors and supervises two independent two-wire Style B (Class B) dry-contact initiating device circuits (IDCs) at two separate, consecutive addresses in intelligent, two-wire systems.

FlashScan® (U.S. Patent 5,539,389) is a communication protocol developed by NOTIFIER that greatly increases the speed of communication between analog intelligent devices. Intelligent devices communicate in a grouped fashion. If one of the devices within the group has new information, the panel CPU stops the group poll and concentrates on single points. The net effect is response speed greater than five times that of other communication protocols.

FMM-1(A) Monitor Module

- Built-in type identification automatically identifies this device as a monitor module to the control panel.
- Powered directly by two-wire SLC loop. No additional power required.
- High noise (EMF/RFI) immunity.
- SEMS screws with clamping plates for ease of wiring.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.
- LED flashes green during normal operation (programmable option) and latches on steady red to indicate alarm.

The FMM-1(A) Monitor Module is intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. It provides either a two-wire or four-wire fault-tolerant Initiating Device Circuit (IDC) for normally-open-contact fire alarm and supervisory devices. The module has a panel-controlled LED indicator. The FMM-1(A) can be used to replace MMX-1(A) modules in existing systems.

FMM-1(A) APPLICATIONS

Use to monitor a zone of four-wire smoke detectors, manual fire alarm pull stations, waterflow devices, or other normally-



FMM-1(A) (Type H)

open dry-contact alarm activation devices. May also be used to monitor normally-open supervisory devices with special supervisory indication at the control panel. Monitored circuit may be wired as an NFPA Style B (Class B) or Style D (Class A) Initiating Device Circuit. A 47K Ohm End-of-Line Resistor (provided) terminates the Style B circuit. No resistor is required for supervision of the Style D circuit.

FMM-1(A) OPERATION

Each FMM-1(A) uses one of the available module addresses on an SLC loop. It responds to regular polls from the control panel and reports its type and the status (open/normal/short) of its Initiating Device Circuit (IDC). A flashing LED indicates that the module is in communication with the control panel. The LED latches steady on alarm (subject to current limitations on the loop).

FMM-1(A) SPECIFICATIONS

Nominal operating voltage: 15 to 32 VDC.

Maximum current draw: 5.0 mA (LED on).

Average operating current: 375 µA (LED flashing), 1 communication every 5 seconds, 47k EOL.

Maximum IDC wiring resistance: 1500 Ohms.

Maximum IDC Voltage: 11 Volts.

EOL resistance: 47K Ohms.

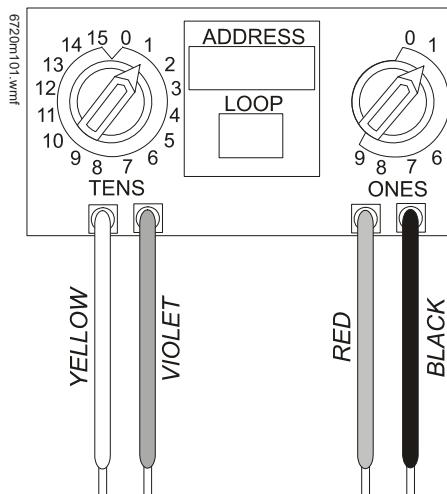
Temperature range: 32°F to 120°F (0°C to 49°C).

Humidity range: 10% to 93% noncondensing.

Dimensions: 4.5" (11.43 cm) high x 4" (10.16 cm) wide x 1.25" (3.175 cm) deep. Mounts to a 4" (10.16 cm) square x 2.125" (5.398 cm) deep box.

FMM-101(A) Mini Monitor Module

- Built-in type identification automatically identifies this device as a monitor module to the panel.
- Powered directly by two-wire SLC loop. No additional power required.
- High noise (EMF/RFI) immunity.
- Tinned, stripped leads for ease of wiring.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.



The FMM-101(A) Mini Monitor Module can be installed in a single-gang junction directly behind the monitored unit. Its small size and light weight allow it to be installed without rigid mounting. The FMM-101(A) is intended for use in intelligent, two-wire systems where the individual address of each module is selected using rotary switches. It provides a two-wire initiating device circuit for normally-open-contact fire alarm and security devices. The FMM-101(A) can be used to replace MMX-101(A) modules in existing systems.

FMM-101(A) APPLICATIONS

Use to monitor a single device or a zone of four-wire smoke detectors, manual fire alarm pull stations, waterflow devices, or other normally-open dry-contact devices. May also be used to monitor normally-open supervisory devices with special supervisory indication at the control panel. Monitored circuit/device is wired as an NFPA Style B (Class B) Initiating Device Circuit. A 47K Ohm End-of-Line Resistor (provided) terminates the circuit.

FMM-101(A) OPERATION

Each FMM-101(A) uses one of the available module addresses on an SLC loop. It responds to regular polls from the control panel and reports its type and the status (open/normal/short) of its Initiating Device Circuit (IDC).

FMM-101(A) SPECIFICATIONS

Nominal operating voltage: 15 to 32 VDC.

Average operating current: 350 μ A, 1 communication every 5 seconds, 47k EOL; 600 μ A Max. (Communicating, IDC Shorted).

Maximum IDC wiring resistance: 1500 Ohms.

Maximum IDC Voltage: 11 Volts.

Maximum IDC Current: 450 μ A.

EOL resistance: 47K Ohms.

Temperature range: 32°F to 120°F (0°C to 49°C).

Humidity range: 10% to 93% noncondensing.

Dimensions: 1.3" (3.302 cm) high x 2.75" (6.985 cm) wide x 0.65" (1.651 cm) deep.

Wire length: 6" (15.24 cm) minimum.

FZM-1(A) Interface Module

- Supports compatible two-wire smoke detectors.
- Supervises IDC wiring and connection of external power source.
- High noise (EMF/RFI) immunity.
- SEMS screws with clamping plates for ease of wiring.
- Direct-dial entry of address: 01 – 159 on FlashScan loops, 01 – 99 on CLIP loops.
- LED flashes during normal operation; this is a programmable option.
- LED latches steady to indicate alarm on command from control panel.

The FZM-1(A) Interface Module is intended for use in intelligent, addressable systems, where the individual address of each module is selected using built-in rotary switches. This module allows intelligent panels to interface and monitor two-wire conventional smoke detectors. It transmits the status (normal, open, or alarm) of one full zone of conventional detectors back to the control panel. All two-wire detectors being monitored must be UL compatible with the module. The FZM-1(A) can be used to replace MMX-2(A) modules in existing systems.

FZM-1(A) APPLICATIONS

Use the FZM-1(A) to monitor a zone of two-wire smoke detectors. The monitored circuit may be wired as an NFPA Style B (Class B) or Style D (Class A) Initiating Device Circuit. A 3.9 K Ohm End-of-Line Resistor (provided) terminates the end of the Style B or D (class B or A) circuit (maximum IDC loop resistance is 25 Ohms). Install ELR across terminals 8 and 9 for Style D application.

FZM-1(A) OPERATION

Each FZM-1(A) uses one of the available module addresses on an SLC loop. It responds to regular polls from the control panel and reports its type and the status (open/normal/short) of its Initiating Device Circuit (IDC). A flashing LED indicates that the module is in communication with the control panel. The LED latches steady on alarm (subject to current limitations on the loop).

FZM-1(A) SPECIFICATIONS

Nominal operating voltage: 15 to 32 VDC.

Maximum current draw: 5.1 mA (LED on).

Maximum IDC wiring resistance: 25 Ohms.

Average operating current: 270 μ A, 1 communication and 1 LED flash every 5 seconds, 3.9k eol.

EOL resistance: 3.9K Ohms.

External supply voltage (between Terminals T10 and T11):

- DC voltage: 24 volts power limited.
- Ripple voltage: 0.1 Vrms maximum.
- Current: 90 mA per module maximum.

Temperature range: 32°F to 120°F (0°C to 49°C).

Humidity range: 10% to 93% noncondensing.

Dimensions: 4.5" (11.43 cm) high x 4" (10.16 cm) wide x 1.25" (3.175 cm) deep. Mounts to a 4" (10.16 cm) square x 2.125" (5.398 cm) deep box.

FDM-1(A) Dual Monitor Module

The FDM-1(A) Dual Monitor Module is intended for use in intelligent, two-wire systems. It provides two independent two-wire initiating device circuits (IDCs) at two separate, consecutive addresses. It is capable of monitoring normally open contact fire alarm and supervisory devices; or either normally open or normally closed security devices. The module has a single panel-controlled LED.

NOTE: The FDM-1(A) provides two Style B (Class B) IDC circuits ONLY. Style D (Class A) IDC circuits are NOT supported in any application.

FDM-1(A) SPECIFICATIONS

Normal operating voltage range: 15 to 32 VDC.

Maximum current draw: 6.4 mA (LED on).

Average operating current: 750 µA (LED flashing).

Maximum IDC wiring resistance: 1,500 Ohms.

Maximum IDC Voltage: 11 Volts.

Maximum IDC Current: 240 µA

EOL resistance: 47K Ohms.

Temperature range: 32° to 120°F (0° to 49°C).

Humidity range: 10% to 93% (non-condensing).

Dimensions: 4.5" (11.43 cm) high x 4" (10.16 cm) wide x 1.25" (3.175 cm) deep. Mounts to a 4" (10.16 cm) square x 2.125" (5.398 cm) deep box.

FDM-1(A) AUTOMATIC ADDRESSING

The FDM-1(A) automatically assigns itself to two addressable points, starting with the original address. For example, if the FDM-1(A) is set to address "26", then it will automatically assign itself to addresses "26" and "27".

NOTE: "Ones" addresses on the FDM-1(A) are 0, 2, 4, 6, or 8 only. Terminals 6 and 7 use the first address, and terminals 8 and 9 use the second address.



CAUTION:

Avoid duplicating addresses on the system.

Installation

FMM-1(A), FZM-1(A), and FDM-1(A) modules mount directly to a standard 4" (10.16 cm) square, 2.125" (5.398 cm) deep, electrical box. They may also be mounted to the SMB500 surface-mount box. Mounting hardware and installation instructions are provided with each module. All wiring must conform to applicable local codes, ordinances, and regulations. These modules are intended for power-limited wiring only.

The FMM-101(A) module is intended to be wired and mounted without rigid connections inside a standard electrical box. All wiring must conform to applicable local codes, ordinances, and regulations.

Agency Listings and Approvals

In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL:** S635.
- **ULC:** S635.
- **FM Approved.**
- **CSFM:** 7300-0028:0219, 7165-0028:0224, 7165-0028:0243.
- **MEA:** 457-99-E.
- **U.S. Coast Guard:** 161.002/50/0 (NFS2-640, NFS2-320, NFS2-3030).
- **Lloyd's Register:** 11/600013 (NFS2-640, NFS2-320, NFS2-3030).
- **Fire Dept. of New York:** COA #6121 (NFS2-640, NFS-320), COA# 6114 (NFS2-3030).

Product Line Information

NOTE: "A" suffix indicates ULC-listed model.

FMM-1(A): Monitor module.

→**FMM-101(A):** Monitor module, miniature.

FZM-1(A): Monitor module, two-wire detectors.

FDM-1(A): Monitor module, dual, two independent Class B circuits.

SMB500: Optional surface-mount backbox.

NOTE: See installation instructions and refer to the SLC Wiring Manual, PN 51253.

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This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com



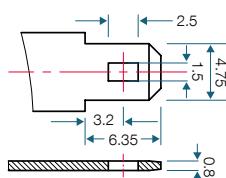
PS-1270

12V 7.0 AH @ 20-hr.
12V 6.5 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

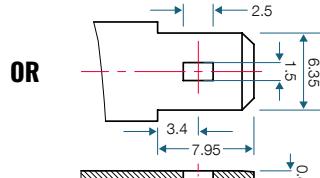
TERMINALS: (mm)

F1: Quick disconnect tabs,
0.18" x 0.032" – Mate with
AMP. INC. FASTON "187" series



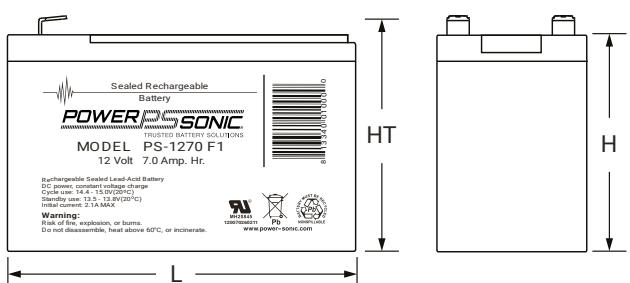
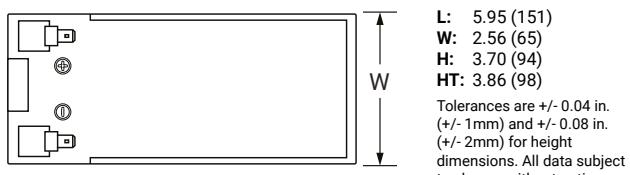
Torque – Not Applicable

F2: Quick disconnect tabs,
0.250" x 0.032" – Mate with
AMP. INC FASTON "250" series



Torque – Not Applicable

DIMENSIONS: inch (mm)



CORPORATE HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
7550 Panasonic Way, San Diego,
California 92154
T: +1 (619) 661 2020
F: +1 (619) 661 3650
E: customer-service@power-sonic.com

POWER-SONIC EUROPE LIMITED (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

3 Buckingham Square,
Hurricane Way, Wickford,
Essex SS11 8YQ
T: +44 (0)1268 560686
F: +44 (0)1268 560902
E: salesEMEA@power-sonic.com



FEATURES

- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, maintenance free spill proof construction
- Power/volume ratio yielding excellent energy density
- Rugged vibration and impact resistant ABS case and cover
- Gas recombination technology
- 5 year design life

APPROVALS

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized
- ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

Nominal Voltage 12 volts (6 cells)

Nominal Capacity

20-hr. (350mA to 10.50 volts)	7.00 AH
10-hr. (650mA to 10.50 volts)	6.50 AH
5-hr. (1.2A to 10.20 volts)	6.00 AH
1-hr. (4.5A to 9.00 volts)	4.50 AH

Approximate Weight 4.80 lbs. (2.18 kg)

Internal Resistance (approx.) 23.0 milliohmhs

Max Short-Duration Discharge Current (10 Sec.) 70.0 amperes

Shelf Life (% of nominal capacity at 68°F (20°C))

1 Month	97%
3 Month	91%
6 Month	83%

Operating Temperature Range

Charge	5°F (-15°C) to 122°F (50°C)
Discharge	-4°F (-20°C) to 140°F (60°C)

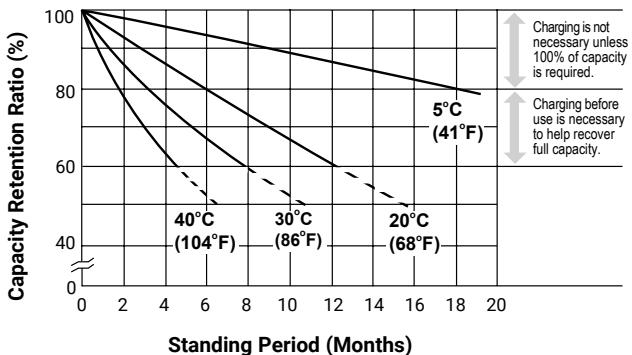
Case ABS Plastic

Power Sonic Chargers PSC-12800A-C
PSC-121000-PC

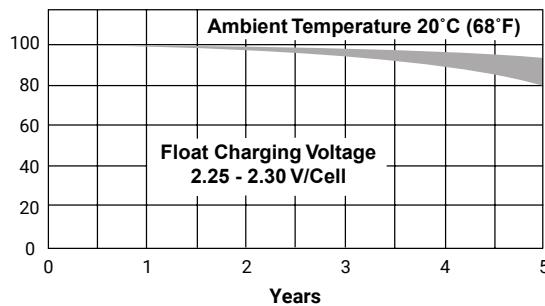
PS-1270 12V 7.0 AH @ 20-hr. 12V 6.5 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

SHELF LIFE & STORAGE



LIFE CHARACTERISTICS IN STAND-BY USE



CHARGING

Cycle Applications: Apply constant voltage charge at 2.35v/c – 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

“Float” or “Stand-By” Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Temperature Compensation: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/ Power Sonic Charger specifications.

APPLICATIONS

- General purpose
- Medical
- Emergency lighting
- Fire and security

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Power-Sonic Corporation
7550 Panasonic Way, San Diego,
California 92154
T: +1 (619) 661 2020
F: +1 (619) 661 3650
E: customer-service@power-sonic.com

POWER-SONIC EUROPE LIMITED (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

3 Buckingham Square,
Hurricane Way, Wickford,
Essex SS11 8YQ
T: +44 (0)1268 560686
F: +44 (0)1268 560902
E: salesEMEA@power-sonic.com

CHARGERS

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

FURTHER INFORMATION

Please refer to our website www.power-sonic.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.





L-Series and L-Series with LED Indoor Selectable Horns, Strobes and Horn Strobes

System Sensor L-Series and L-Series with LED audible visible notification products are rich with features guaranteed to cut installation times and maximize profits with lower current draw and modern aesthetics.



Features

- LED technology provides lower current draw
- Digital Voltage Meter (DVM) diagnostic test points for Horn Strobes and Strobes
- Common aesthetics across the L-Series platform
- Standard and compact sizes
- Tamper-resistant construction
- Field-selectable candela settings on wall units: 15, 30, 75, 95, 110, 135, and 185
- Field-selectable candela settings on ceiling units: 15, 30, 75, 95, 115, 150, and 177
- Rotary switches for candela, tone and volume selections
- Mounting plate provides plug-in design for easier installation and shorting springs to check wiring continuity
- Electrically compatible with legacy SpectrAlert, SpectrAlert Advance and L-series devices
- Synchronization through use of UL approved power supplies that support System Sensor Sync protocol or System Sensor MDL3 Sync Module
- Horns, Strobes and Horn Strobes listed for wall or ceiling use

The System Sensor L-Series and L-Series with LED

platform offers the most versatile and easy-to-use line of horns, strobes, and horn strobes in the industry with lower current draw and modern aesthetics. LED lighting technology offers significantly lower current draw compared to older Xenon bulbs across a full candela range. This improves design flexibility for notification appliance circuits (NACs) while also reducing power supply requirements allowing for simpler and lower cost installations.

Flexible design options meet virtually any application requirement: wall or ceiling mount, standard or compact sizes, red or white color choices, bezel kits for alternate markings and languages, and LED color lenses for distinctive visual signaling. In addition, installers can easily adapt devices using field selectable candela, tone and volume settings using rotary switches.

The L-Series and L-Series with LED line is developed to simplify installation. All devices feature plug-in designs with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults. The universal mounting plate includes an onboard shorting spring, so installers can test wiring continuity before the device is installed.

In addition, the System Sensor L-Series with LED notification appliances offer a new diagnostic test point feature that allows you to measure device voltage with a digital voltage meter (DVM) without removing the appliance from the wall or ceiling. The DVM test points are discreetly located on the face of the notification appliance which enable faster troubleshooting and end of line (EOL) voltage checks while greatly reducing the risk of misplacing or damaging appliances during troubleshooting.

Agency Listings



3057072
FM23FPUS0195
7300-1653-0525
7135-1653-0503
7135-1653-0526

L-Series and L-Series with LED Specifications

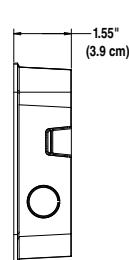
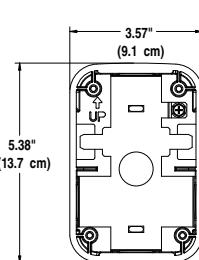
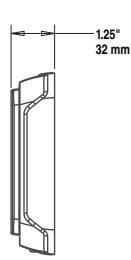
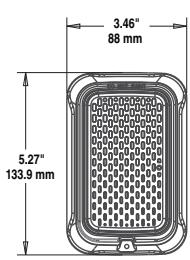
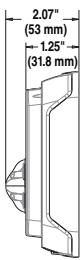
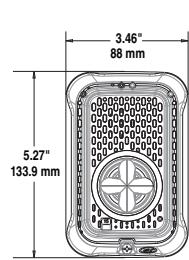
Physical/Electrical Specifications	
Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Strobe Flash Rate	1 flash per second
Nominal Voltage, LED Strobes and Horn Strobes	Regulated 24 VDC
Nominal Voltage, Horns	Regulated 12 VDC or regulated 24 DC/FWR
Operating Voltage Range, LED Strobes and Horn Strobes	16 to 33 V (24 V nominal)
Operating Voltage Range, Horns	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Input Terminal Wire Gauge	12 to 18 AWG

UL/ULC Current Draw Data, Horn Tones, and Sound Output Data

UL/ULC Maximum Strobe Current Draw (mA)			UL/ULC Maximum Horn Current Draw (mA RMS)			
Candela Range	Candela Rating	16-33 Volts	Sound Pattern	dB	8-17.5 Volts	16-33 Volts
	Wall	Ceiling	DC	DC	FWR	
15	18	18	Temporal	High	39	44
30	22	22	Temporal	Low	28	32
75	70	70	Non-Temporal	High	43	47
95	75	75	Non-Temporal	Low	29	32
110	85	—	3.1 KHz Temporal	High	39	41
115	—	90	3.1 KHz Temporal	Low	29	32
135	105	—	3.1 KHz Non-Temporal	High	42	43
150	—	110	3.1 KHz Non-Temporal	Low	28	29
177	—	115	Coded	High	43	47
185	120	—	3.1 KHz Coded	High	42	43

Switch Pos.	Sound Pattern	Volume Setting	16-33 Volts										16-33V
			15cd	30cd	75cd	95cd	110cd WALL	115cd CEILING	135cd WALL	150cd CEILING	177cd CEILING	185cd WALL	
1	Temporal 3	High	35	38	87	92	94	120	189	189	190	190	87
2	Temporal 3	Low	35	38	87	92	94	120	135	135	145	145	79
3	Non-Temporal	High	50	52	87	92	94	120	127	127	135	135	87
4	Non-Temporal	Low	35	38	87	92	94	120	125	125	130	130	79
5	3.1KHz Temporal 3	High	35	38	87	89	91	115	155	155	165	165	86
6	3.1KHz Temporal 3	Low	35	38	87	89	91	115	128	130	135	135	80
7	3.1KHz Non-Temporal	High	40	42	87	89	91	115	125	125	135	135	86
8	3.1KHz Non-Temporal	Low	35	38	87	89	91	115	120	120	130	130	80

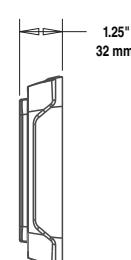
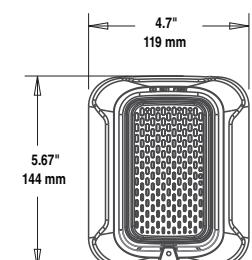
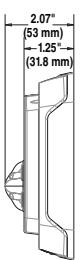
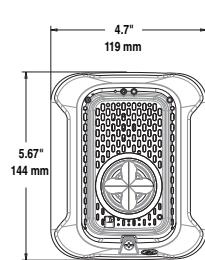
L-Series with LED Dimensions: Wall-Mounted Equipment



**Compact Strobe, Horn Strobe
for Wall**

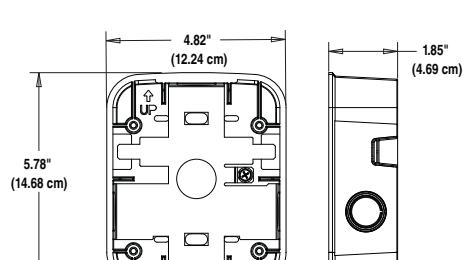
Compact Horn

**Compact Surface Mount Back Box
for Walls (SBBGRL, SBBGWL)**



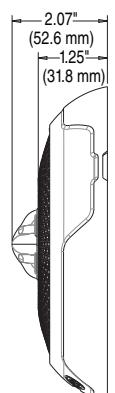
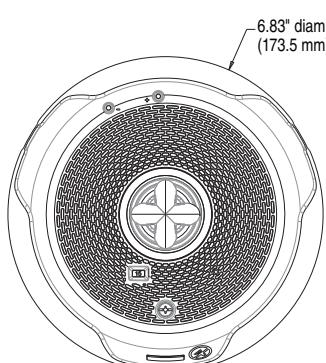
**Strobes, Horn Strobes
for Walls**

Horn

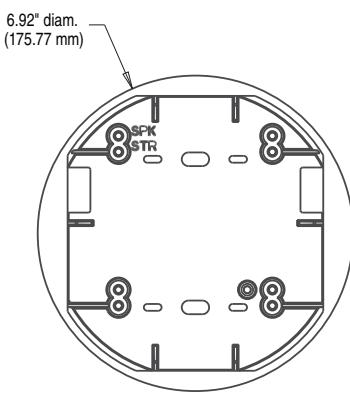


**Surface Mount Back Box
for Walls (SBBRL/SBBWL)**

L-Series with LED Dimensions: Ceiling-Mounted Equipment



**Strobes and Horn Strobes
for Ceilings**



**Surface Mount Back Box
for Ceilings (SBCRCL, SBCWLL)**

L-Series with LED: Ordering Information

Model	Description
L-Series with LED Horn Strobes	
P2RLED	2-Wire, Horn Strobe, Wall, Red
P2RLED-B	2-Wire, Horn Strobe, Wall, Red, Bilingual
P2WLED	2-Wire, Horn Strobe, Wall, White
P2WLED-B	2-Wire, Horn Strobe, Wall, White, Bilingual
P2GRLED	2-Wire, Compact Horn Strobe, Wall, Red
P2GRLED-B	2-Wire, Compact Horn Strobe, Wall, Red, Bilingual
P2GWLED	2-Wire, Compact Horn Strobe, Wall, White
P2GWLED-B	2-Wire, Compact Horn Strobe, Wall, White, Bilingual
P2RLED-P	2-Wire, Horn Strobe, Wall, Red, Plain
P2WLED-P	2-Wire, Horn Strobe, Wall, White, Plain
P2RLED-SP	2-Wire, Horn Strobe, Wall, Red, FUEGO
P2WLED-SP	2-Wire, Horn Strobe, Wall, White, FUEGO
PC2RLED	2-Wire, Horn Strobe, Ceiling, Red
PC2RLED-B	2-Wire, Horn Strobe, Ceiling, Red, Bilingual
PC2WLED	2-Wire, Horn Strobe, Ceiling, White
PC2WLED-B	2-Wire, Horn Strobe, Ceiling, White, Bilingual
L-Series with LED Strobes	
SRLED	Strobe, Wall, Red
SRLED-B	Strobe, Wall, Red, Bilingual
SWLED	Strobe, Wall, White
SWLED-B	Strobe, Wall, White, Bilingual
SGRLED	Strobe, Compact, Wall, Red
SGRLED-B	Strobe, Compact, Wall, Red, Bilingual
SGWLED	Strobe, Compact, Wall, White
SGWLED-B	Strobe, Compact, Wall, White, Bilingual
SRLED-P	Strobe, Wall, Red, Plain
SWLED-P	Strobe, Wall, White, Plain
SRLED-SP	Strobe, Wall, Red, FUEGO
SWLED-CLR-ALERT	Strobe, Wall, White, ALERT
SWLED-ALERT	Strobe, Wall, White, ALERT, Amber Lens
SCRLED	Strobe, Ceiling, Red
SCRLED-B	Strobe, Ceiling, Red, Bilingual
SCRLED-P	Strobe, Ceiling, White, Plain
SCWLED	Strobe, Ceiling, White
SCWLED-B	Strobe, Ceiling, White, Bilingual
SCWLED-P	Strobe, Ceiling, White, Plain
SCWLED-CLR-ALERT	Strobe, Ceiling, White, ALERT
L-Series Horns	
HRL*	Horn, Red
HRLA*	Horn, Red, Plain, ULC
HWL*	Horn, White
HWLA*	Horn, White, Plain, ULC
HGRL*	Compact Horn, Red
HGRLA*	Compact Horn, Red, Plain, ULC
HGWL*	Compact Horn, White
HGWLA*	Compact Horn, White, Plain, ULC
Model	
Description	
LED Lenses	
LENS-A3	Lens LED Amber Wall/Ceiling
LENS-B3	Lens LED Blue Wall/Ceiling
LENS-G3	Lens LED Green Wall/Ceiling
LENS-R3	Lens LED Red Wall/Ceiling
Accessories	
TR-2	Universal Wall Trim Ring Red
TR-2W	Universal Wall Trim Ring White
SBBRL	Wall Surface Mount Back Box, Red
SBBWL	Wall Surface Mount Back Box, White
SBBGRL	Compact Wall Surface Mount Back Box, Red
SBBGWL	Compact Wall Surface Mount Back Box, White
TRC-2	Universal Ceiling Trim Ring, Red
TRC-2W	Universal Ceiling Trim Ring, White
SBCBRL	Ceiling Surface Mount Back Box, Red
SBCBWL	Ceiling Surface Mount Back Box, White
Bezelst	
BZR	Wall Red Bezel Kit
BZW	Wall White Bezel Kit
BZGR	Compact Wall Red Bezel Kit
BZGW	Compact Wall White Bezel Kit
BZRC	Horn Strobe Ceiling Red Bezel Kit
BZWC	Horn Strobe Ceiling White Bezel Kit

Notes for L-Series With LED Horn Strobes and Strobes:

All -P models have a plain housing (no "FIRE" marking on cover).
 All -SP models have "FUEGO" marking on cover.
 All -ALERT models have "ALERT" marking on cover.
 All -B models have "FIRE/FEU" marking on cover for use in Canadian applications.
 Amber lenses are not for use in Canadian applications

Notes for L-Series Horns:

*Horn-only models are listed for wall or ceiling use.

Notes for Bezels:

†Each bezel pack ships in a package of 5.
 Add one of the following extensions for print/language options: -F (FIRE), -AL (ALERT), -EV (EVAC), -AG (AGENT), -P (Plain), -FR (FEU), -PG (FOGO), -SP (FUEGO), -SPE (FUEGO/FIRE).

3825 Ohio Avenue • St. Charles, IL 60174 USA
 Phone: 800-SENSOR2 • Fax: 630-377-6495
www.systemsensor.com

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 of Honeywell International, Inc.

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 Phone: 800-SENSOR2 • Fax: 905-812-0771
www.systemsensor.ca

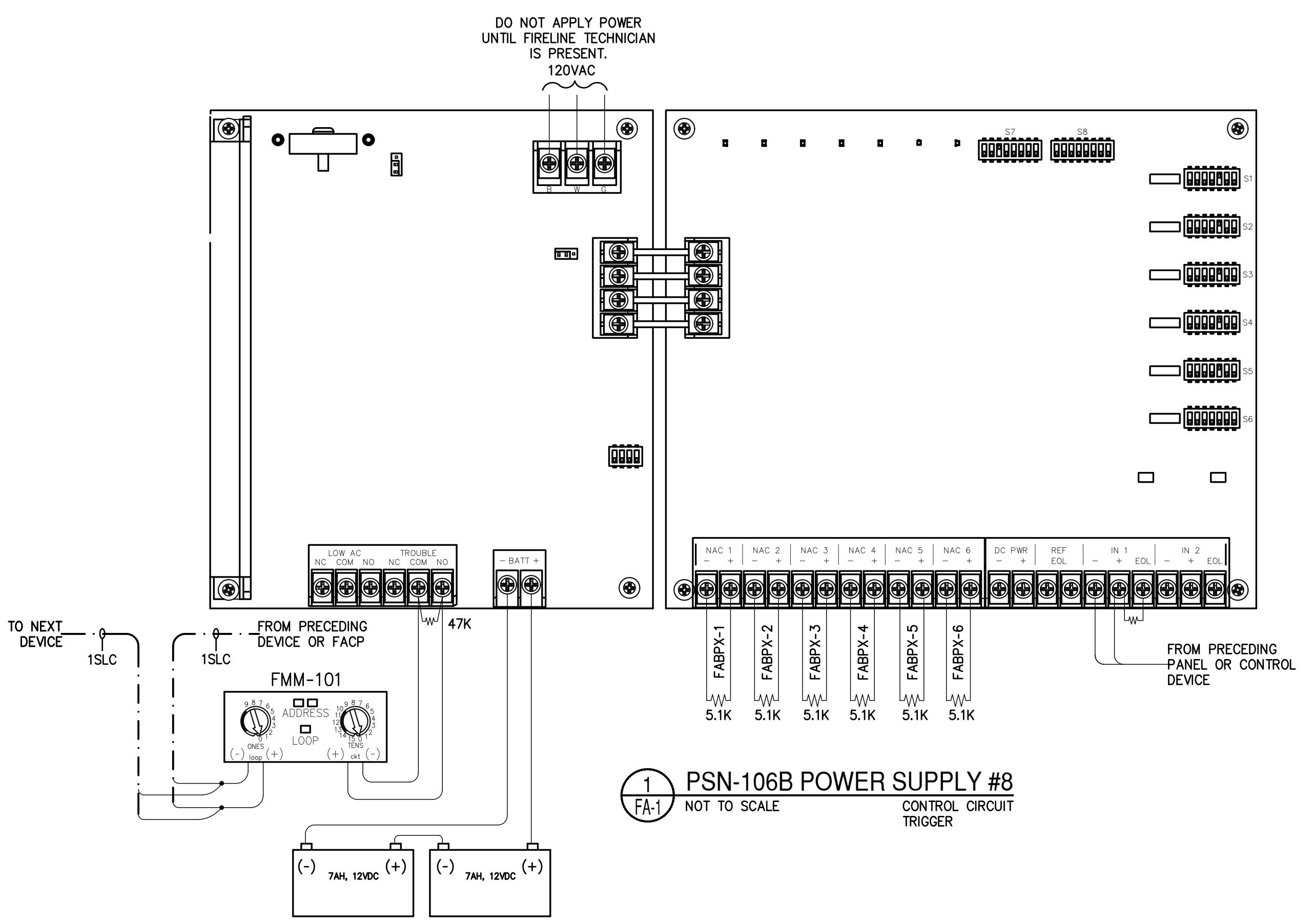
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 Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.
 AVDS916-01 • 10/03/2023



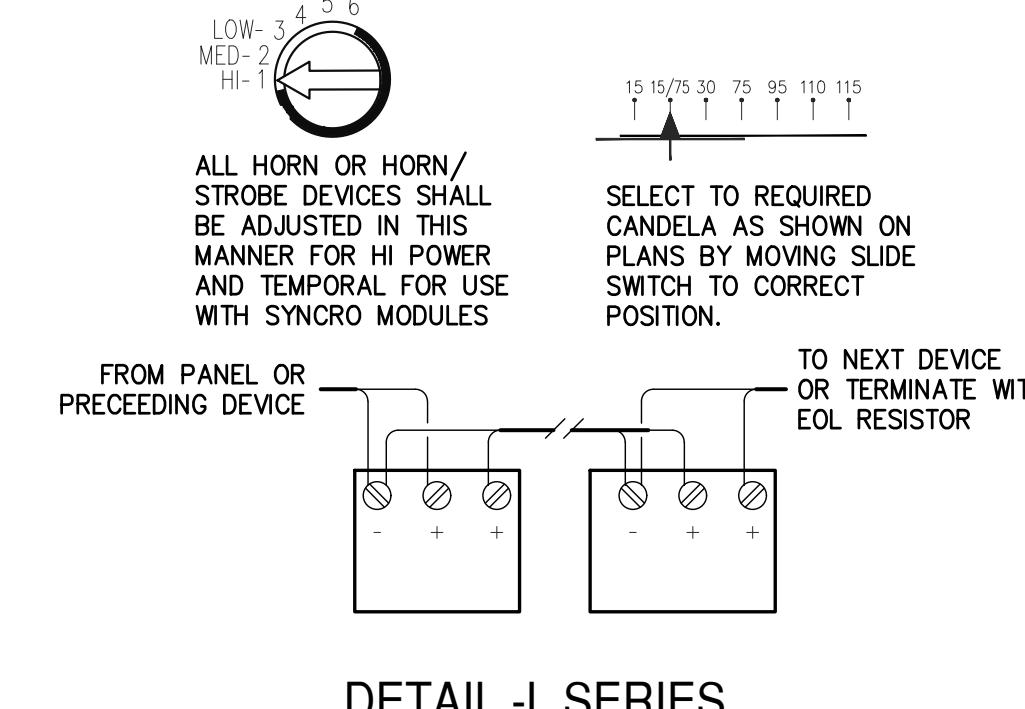
FIRE ALARM SYSTEM OPERATIONAL MATRIX	
Alarm Signals	Associated With
Manual Station	Common Areas
	Common Areas
	Elevator Lobby
	Elevator Shaft/Mach. Rm.
	Attrum
Door Holders/Fire Curtain	Common Areas
	Elevator Lobby
	Elevator Shaft/Mach. Rm
Heat Detector	Common Areas
	Elevator Lobby
	Elevator Shaft/Mach. Rm
Sprinkler Flow Switches Wet/Dry (pressure) Type	Common areas
Supervisory Signals	
Duct Smoke Detector	
Elevator Shunt Trip Breaker Power	Elevator Relays
Sprinkler Tamper Switches	Common Areas
Emergency Generator "RUNNING"	Emergency Generator Rm.
Emergency Generator "FAULT" Status	Emergency Generator Rm.
Attrum Smoke Control	
Trouble Signals	
Equipment Component Failure	
AC Power / Battery Failure	
Circuitry Fault or Failure	

3 FIRE ALARM MATRIX

The purpose of this matrix is to show the operation of the new devices being added. All existing devices shall follow the existing approved fire alarm building matrix.



1 PSN-106B POWER SUPPLY #8
FA-1 NOT TO SCALE



2 FA-1
NOT TO SCALE

SCOPE OF WORK

The scope of work for this project is to provide devices to a renovated area of an existing building as shown on the drawing floor plan.

The new strobes and horn strobes shall be connected to new NAC circuits FABP8-1, FABP8-2, and FABP8-3 on the new fire alarm booster panel #8 serving the area of work.

GENERAL NOTES:

1. THE CONTROL PANEL SHOULD BE SECURELY FASTENED TO A SHOCK AND VIBRATION FREE SURFACE IN A CLEAN, DRY AREA. THE LOCATION SHOULD BE VISIBLE AND READILY ACCESSIBLE FOR MAINTENANCE. SUFFICIENT ROOM IS NECESSARY FOR OPENING OF THE ENCLOSURE DOORS.
2. DO NOT APPLY 120VAC POWER TO ANY FIRE ALARM PANEL UNTIL A FIRELINE TECHNICIAN IS PRESENT.
3. ALL WIRING MUST CONFORM TO THE NATIONAL ELECTRIC CODE (NFPA 70) AND APPROVED LOCAL CODES.
4. WIRE RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT PATH OF WIRE RUNS BE DETERMINED IN THE FIELD BY INSTALLER BASED UPON CONSTRUCTION CONDITIONS.
5. SMOKE DETECTORS SHALL NOT BE LOCATED IN DIRECT AIR STREAM FROM SUPPLY OUTLETS. SIDE WALL MOUNTED SMOKE DETECTORS SHALL BE MOUNTED NO CLOSER THAN 4" AND NO FURTHER THAN 12" FROM CEILING. CEILING MOUNTED SMOKE DETECTORS SHALL BE MOUNTED NO CLOSER THAN 4" TO THE SIDE WALL.
6. CONTROL UNIT CONNECTIONS TO 120VAC POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT. THE CIRCUIT AND CONNECTIONS SHALL BE MECHANICALLY PROTECTED. THE CIRCUIT DISCONNECTING MEANS SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND SHALL BE CLEARLY MARKED FIRE ALARM CIRCUIT.
7. ALL FIRE ALARM SYSTEM WIRING CIRCUITS ARE POWER LIMITED UNLESS OTHERWISE NOTED. DO NOT RUN POWER LIMITED AND NON POWER LIMITED WIRING IN THE SAME CONDUIT.
8. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THAN 42" AND NOT MORE THAN 48" ABOVE THE FINISHED FLOOR.
9. ALL WALL MOUNTED VISIBLE NOTIFICATION APPLIANCES SHALL BE MOUNTED SO THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR.
10. IF HEAT DETECTORS ARE TO SHUT DOWN ELEVATOR POWER PRIOR TO SPRINKLER OPERATION, THEY SHALL BE PLACED WITHIN 24" OF THE SPRINKLER HEAD.
11. WHERE DETECTION IS NOT REQUIRED DURING CONSTRUCTION, DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER ALL OTHER CONSTRUCTION TRADES HAVE COMPLETED CLEANUP.

WIRE LEGEND	
SYMBOL	
WIRE/CABLE TYPE AND DESCRIPTION	
H	2C - 14AWG - NAC CKT.
MUST BE FIRE ALARM RATED CABLE PER N.E.C.	

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
FABP	Fire Alarm Booster Panel (# = CABINET NUMBER)
FMM	Addressable Monitor Module - Mini
(○)	HORN/STROBE - CEILING MOUNTED (#=CANDELA)
(○)	STROBE - CEILING MOUNTED (#=CANDELA)
-W-	END OF LINE RESISTOR

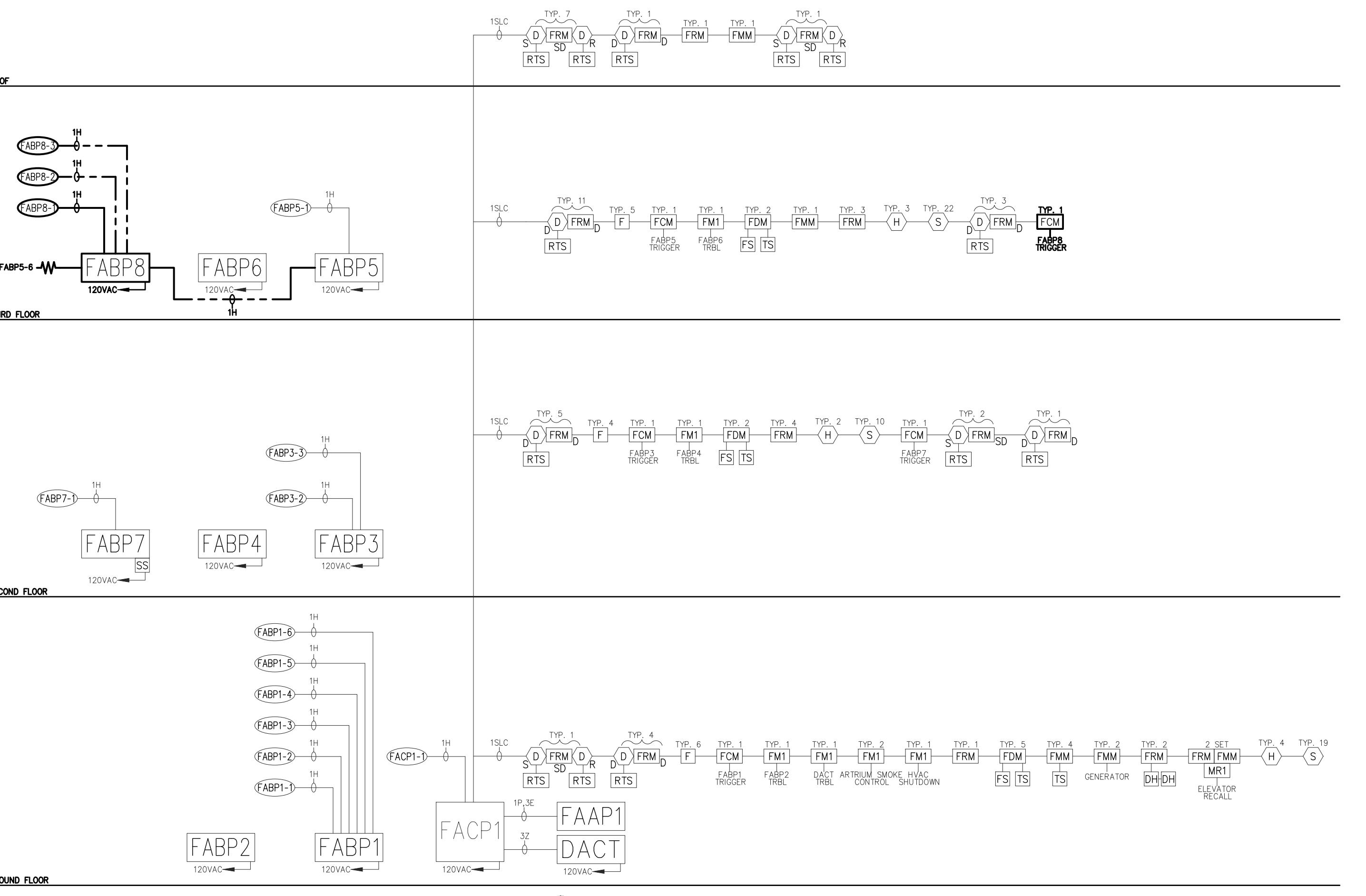
SUBSCRIPTS: S=SUPPLY R=RETURN UF=UNDER FLOOR AC=ABOVE CEILING W=WATER PROOF D=DAMPER DH=DOOR HOLDER DL=DOOR LOCK PG=PROTECTIVE GATE ETR=EXISTING TO REMAIN REL=RELOCATED DEVICE SD=SHUTDOWN	
ADDRESS/NAC NUMBERING KEY	

NODE# (IF USED)	LOOP#	PANEL NUMBER
(M)	(M)	(M)
MODULE (D)	DETECTOR	CIRCUIT NUMBER
[NX LX M XXX]	DEVICE ADDRESS	FABP#

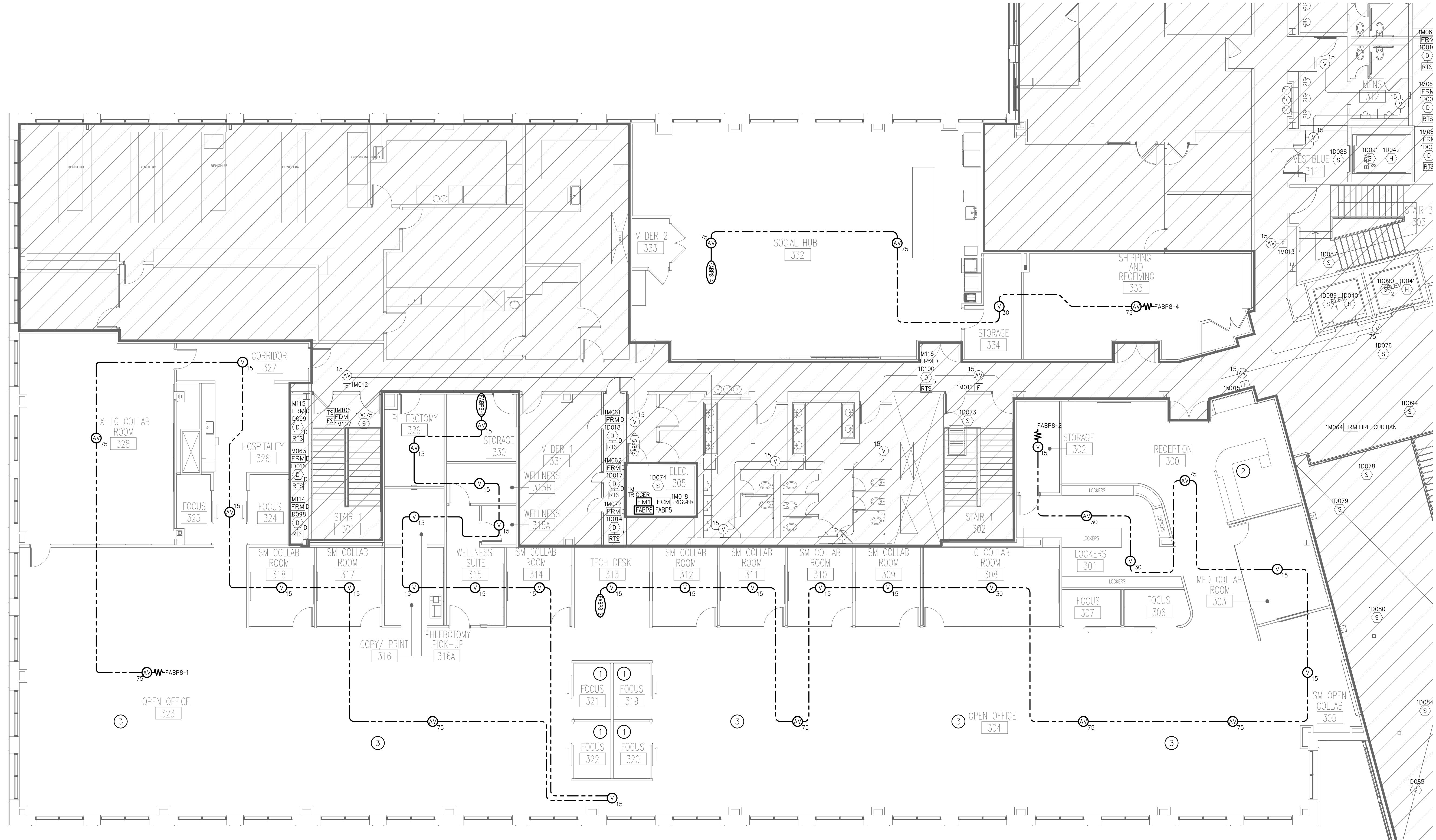
△ BY	REVISION	DATE

EQUIPMENT SUPPLIER:		INSTALLER:
	1 YEARS Fireline 1947-2002	PERLECTRIC INC. 2711 PROSPERITY AVE, SUITE 300 FAIRFAX, VA 22301 703-352-5151 (410)-247-1422

DRAWING TITLE: FIRE ALARM BOOSTER PANEL AND WIRING DETAILS		
JOB NO.:	101804.06	DRAWING NUMBER
JOB NAME:	AMGEN ROCKVILLE 3RD FLOOR	FA-1
ADDRESS:	9605 MEDICAL CENTER DRIVE SUITE 300	
CITY/STATE:	ROCKVILLE, MD 20850	
DATE:	2/3/2025	SCALE: AS SHOWN
		DRAWN BY/DESIGNED BY/checked by
		HML HML HML
		SHEET: 1 OF 2



4 FA-1 RISER DIAGRAM
Faded devices are by others or existing. New devices are bold.



1 DEVICE LAYOUT - PARTIAL THIRD FLOOR
FA-2 SCALE: 1/8" = 1'

GENERAL DRAWING NOTES:

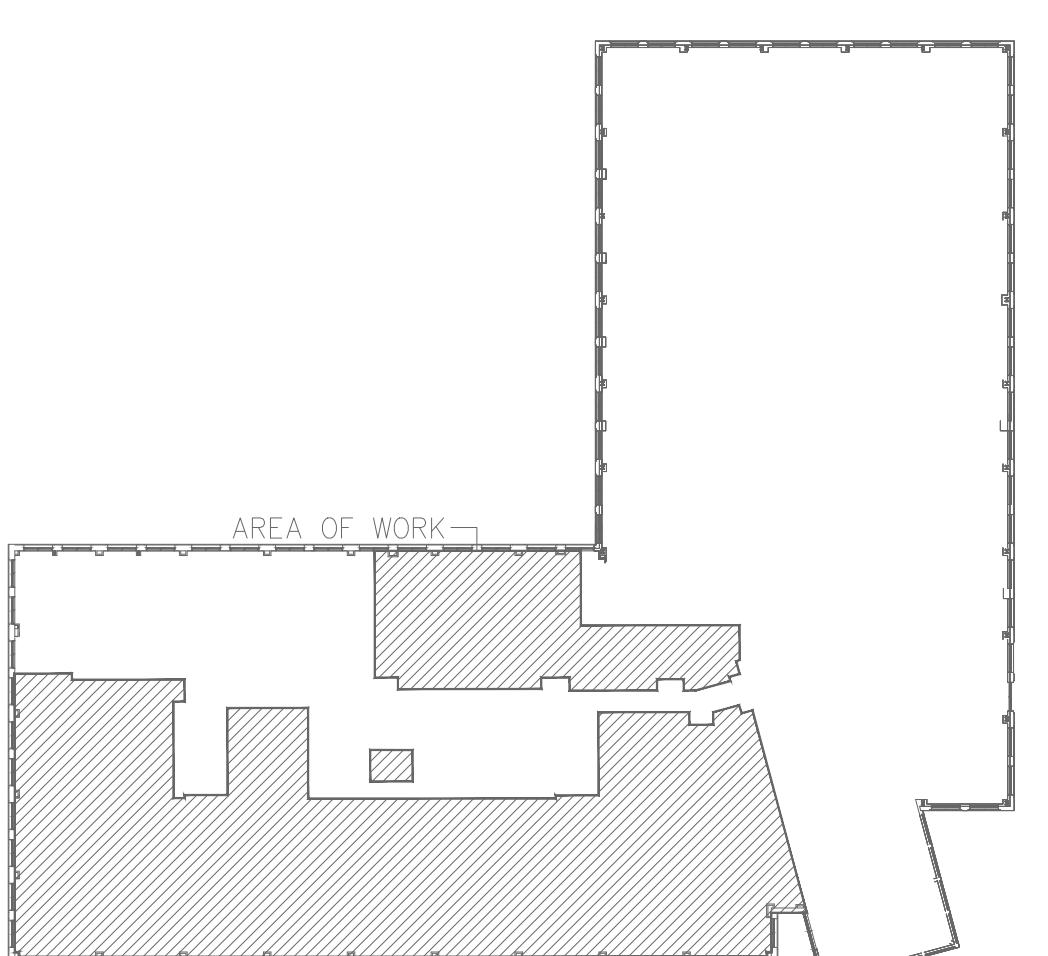
FADED DEVICES ARE BY OTHERS OR EXISTING.
NEW DEVICES ARE BOLD.

CEILING HEIGHT IS 10' OR LESS U.N.O.

ADDRESSES TO BE ASSIGNED IN THE FIELD ONCE
AVAILABLE ADDRESSES ARE VERIFIED.

KEYED NOTES:

- ① GLASS DOORS
- ② DESK HEIGHT IS 2'10".
- ③ CUBICLE HEIGHT IS 5'.



2 KEY PLAN
FA-2 NOT TO SCALE

BY	REVISION	DATE

EQUIPMENT SUPPLIER:
10 YEARS Fireline
PERLECTRIC INC.
2711 PROSPERITY AVE, SUITE 300
FAIRFAX, VA 22321
(703) 352-5151

DRAWING TITLE:
DEVICE LAYOUT - PARTIAL THIRD FLOOR

JOB NO.: 101804.06	DRAWN BY: HML	CHECKED BY: HML
JOB NAME: AMGEN ROCKVILLE 3RD FLOOR	SCALE: AS SHOWN	DATE: 2/3/2025
ADDRESS: 9605 MEDICAL CENTER DRIVE		
SUITE: 300		
CITY/STATE: ROCKVILLE, MD 20850		

DRAWING NUMBER: **FA-2**