	Presidio Trust **Fire Marshal's Office** *1750 Lincoln Blvd. San Francisco, California 94129*	**Date**: September 11, 2023 **Revision**: Sept 28, 2026 **Standard**: ***FAS-001***
Title: **Fire Alarm Plan Submittal**	**Approved By**: *Randy Amores*	

SCOPE:

This standard applies to the plan review of new and existing fire alarm systems. Plans submittal shall include one hard copy stamped and one set of electronic plans. These systems shall be designed and installed in accordance with the following codes requirements:

- National Fire Protection Association NFPA 72, National Fire Alarm and Signaling Code

NOTE: Combination fire and burglar systems are not permitted.

1. PLANS SUBMITTAL

1.1. Contractor must be on the Presidio Trust Qualified Vendor List.

1.2. Proof that fire alarm installer holds a State of California State Contractors Licensing Board C-10 Electrical Contractor License.

1.3. Written narrative providing intent and system description.

1.4. Legend indication of all symbol definitions.

1.5. Riser diagram.

1.6. Diagram detailing fire panel and all accessory panel wiring.

1.7. Floor plan layout showing locations of all devices, control equipment, and supervising station and shared communications equipment with each sheet showing the following:

1.7.1. Point of compass (north arrow).

1.7.2. All initiating/notification devices labeled with point numbers that correlate with system program and panel wiring.

1.7.3. A graphic representation of the scale used.

1.7.4. Room uses identification.

1.7.5. Building features that will affect the placement of initiating devices and notification appliances.

1.8. Sequence of operation in either an input/output matrix or narrative form.

1.9. Equipment technical data sheets and current California State Fire Marshal's Listing Sheets for Fire Alarm Devices.

1.10. Manufacturers' published instructions, including operation and maintenance instructions.

1.11. Battery capacity and safety margin calculations (where batteries are provided).

1.12. Voltage drop calculations for notification appliance circuits.

1.13. Mounting height elevation for wall-mounted devices and appliances.

1.14. Where occupant notification is required, minimum sound pressure levels that must be produced by the audible notification appliances in applicable covered areas.

1.15. Locations of alarm notification appliances, including candela ratings for visual alarm notification appliances.

1.16. For software-based systems, a copy of site-specific software including specific instructions on how to obtain the means of system and software access.

1.17. Pathway diagrams between the control unit and shared communications equipment within the protected premises.

1.18. **NOTE:** The Presidio Trust Area B Fire Marshal's Office requires a UUFX type Central Station Certificate for all building with fire alarm panels. This means that the monitoring company is a UL Listed monitoring company and the installing company is a UL Listed fire alarm service, located in a geographical area approved by The Presidio Trust Area B.

2. MINIMUM FIRE ALARM PANEL AND SYSTEM REQUIREMENTS

Annunciators –	All annunciator panels shall be capable of remotely silencing and resetting Fire Alarm Control Panel (FACP). Additionally, All annunciator panels require locking mechanism to access remote silencing/resetting capabilities.
AES-IntelliNet–	Mesh network compatible via the park's radio frequency for monitoring.
Fire Subscriber –	Supervised fire alarm communicator box. Advanced Wireless Fire Alarm Monitoring: AES 7788F Series (8x8 zone) or 7744F Series (4x4 zone).
Pots System–	Needed if no mesh network is available (alternative method of communication).
UL Rated–	Panel must be UL rated so as to be in compliance with applicable parts of NFPA 72.
Addressable–	Panel must be addressable and use **Contact-ID** as its communication protocol.
Point Index–	Ability to report Point Index to Dispatch.
Fire Box–	Fire Alarm Storage Cabinet or Fire Alarm Document (FAD) Cabinet to hold site map, USB, and points list. The fire box is to comply with the NFPA 72, Section 6.2.2.1 requirements which states, "A record of installed software and firmware version numbers shall be maintained at the location of the fire alarm control unit. The cabinet may be used as a storage box for both printed and digital documentation, enabling you to store the system's test and certified inspection documents, service records, manuals, and AS built drawings."
Fire Alarm Control Panel –	FACP and all accessory panels have door and locks (1358 lock) installed. All specialized systems shall be connected to and monitored by the FACP as a separate zone.
Programming methods –	Bosch: RPS, Network/Cloud/USB – Dongle All other panels: USB & FS-(Lite/Tools).

2.1. **Please Note**: The contractor/installer shall be responsible for programming all new equipment and providing a Points List. Additionally, Points must be clearly labeled with point address.

2.2. All systems purchased must have parts accessible & available by the manufacturer or authorized dealers for a minimum of 5 (five) years, from the time of installation, in order to support future maintenance.

2.3. Combination fire and burglar systems are not permitted.

3. FIRE DETECTION SYSTEM DEVICES AND EQUIPMENT LIST

3.1 Below is a list of *suggested* Fire Alarm Panels. Devices and equipment provided are examples of systems that meet the minimum requirements listed above.

- FireWarden 50X (NFW-50X)
- FireWarden 100X (NFW-100X)
- B8512G- Bosch G Series
- B9512G- Bosch G Series
- Silent Knight 6700- FACP Cabinet
- Silent Knight 6820- FACP Cabinet
- Silent Knight 6808- FACP Cabinet

3.2 Note: Bosch Panel 5512 cannot be used in commercial spaces and is reserved for residential locations.

Questions regarding fire systems should be directed to the Physical Security Office.