# Memorandum

PRESIDIO TRUST

Date: April 4, 2023

To: Park Design, Permitting and Procurement Departments

Via: Tomas Kaselionis, Director of Public Safety

From: Karl Twiford, Physical Security Specialist

Cc: Sal Genito, Deputy Chief of Park

Re: Minimum Requirements for Procurement of Fire Detection Systems

## Action

The purpose of this memo is to provide direction on the minimum requirements for procuring new or replacement fire detection systems.

## Minimum Requirements

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| **Annunciators** – | All annunciator panels shall be capable of remotely silencing and resetting Fire Alarm Control Panel (FACP).<br><br>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<br>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.<br><br>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 installed. |

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| | All specialized systems shall be connected to and monitored by the FACP as a separate zone. |
| **Programming methods** – | Bosch: RPS, Network/Cloud/USB – Dongle<br>All other panels: USB & FS-(Lite/Tools) |
| **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.<br><br>All systems purchased must have parts accessible & available by the manufacturer or authorized dealers for a minimum of 5 years, from the time of installation, in order to support future maintenance.<br><br>Combination fire and burglar systems are not permitted. |

Suggested Panels

**Fire Detection System Devices and Equipment List**

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

*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