



Design Standard Electronic Security

Purpose

This design standard has the purpose of creating consistent installation of electronic security systems throughout the South San Francisco Unified School District. The security systems are intended to provide protection of high value internal areas from intrusion and for the detecting and for the detecting or discouraging of burglary or vandalism during the hours the facility is not occupied.

Design Standard

General

- Requirements for each project shall be addressed on a case-by-case basis. Intrusion detection system and emergency communications system must be reviewed and approved by the District. Submit plans for review and approval when the drawings are submitted to DSA. Plans are to show room layouts, door swings, and ceiling heights for all rooms.
- Provide two dedicated phone lines for the security system for signal and for trouble.
- Salvage or provide protection/re-installation of existing devices when contract work may damage or destroy them. Contractor to notify District before any demolition begins so that system can be shut down without damage.
- The contractor shall provide a qualified technician to install and program the security and card access control systems where used. Install systems per manufacturer's recommendations.

Control Panels

- Control panels to be Sonitrol complete with back-up batteries, power supply, enclosures, and all peripheral equipment, connections, and programming required for a complete installation.
- Provide Sonitrol Keypads. Locate at specific entry areas, elevators, and wheelchair lifts. Coordinate locations for each project.
- Provide ATW "DT24" dual tone indoor sirens, for local indoor alarm notification.

Door Contacts

- Sensors to be Sentrol #2505A steel door contacts, suitable for mounting in steel doors. Coordinate drilling and conduit/wire penetrations into door frames with hardware installer.



Cameras

- Provide where requested by District.
- Ceiling-mounted cameras to be high resolution color dome cameras- digital only.
- In vandal prone areas, use vandal resistant PTZ high resolution color dome cameras.
- Provide dedicated CPU in Principal's office and in Administration Area. System to be IP addressable. Provide internet access for remote use.

Card Access Systems

- Provide at new schools and major modernizations. Review scope with District Technology Department.
- Secured access (proximity card key/fob reader) systems shall be as manufactured by HID Systems, Inc.
- Install per manufacturer's recommendations. Provide programming for a complete operating system.
- Turn over all key tags to District at the Closeout of each project. Consider providing card-key access to school main entry door(s). Review on a case-by-case basis with District for applicability and system requirements.

Conduit

- Wiring to sensors to be enclosed in rigid or flexible metal conduit for physical protection.
- Low voltage wiring to be protected inside conduit within 12" stub walls and covered with a 12" 16 gauge metal access panel running the full width of the stub wall.

Approved Manufacturers

- See Above.

Substitutes Allowed?

- No substitutions allowed.

Associated Standards

- N/A

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