



## Los Angeles Community College District Design Standards

City • East • Harbor • Mission • Pierce • Southwest • Trade-Technical • Valley • West

### **LACCD Facilities Design Standards– Fire Alarm System Campus Facility Standards Cross- Reference Div. 26**

#### **All Items Are Numbered for Ease of Reference**

**Fire Alarm Systems are sole-sourced by college** – It is unreasonable for a college to have more than one fire alarm system – No substitutions

- City – Edwards EST
- East – Edwards EST
- Harbor – Edwards EST integrated into PA System
- Mission – Notifier
- Pierce – Silent Knight
- Southwest – Simplex
- Trade Tech – Edwards EST
- Valley – Simplex
- West – Siemens

#### **Basic elements to be included in the design and installation –**

1. Fire Alarm System shall be connected to the central panel.
  - a. No stand-alone systems.
  - b. All systems and stations must register on the main panel.
2. Fire Alarm System shall comply with existing fire codes.
3. Fire Alarm System shall be approved by DSA.
4. Contractor shall provide a list of the location of all devices. In addition all fire alarm devices shall be tagged.
5. Contractor shall develop and submit a campus map showing the entire system, including the location of all devices.
6. All wiring shall be fiber and installed in conduit.
7. The Fire Alarm System must pass commissioning prior to acceptance.
8. New buildings must be integrated into the existing main college system.
9. Copies of the video training shall be supplied.
10. All Fire Alarm Systems shall have battery backup.
11. All fire alarm devices are to be tested to NFPA 72E and report delivered to the Facilities Director prior to acceptance of system.



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12. System shall indicate if a fire damper is open or closed, and the location of the damper, on the fire alarm display.
13. System shall be installed with a fiber network.
14. Four (4) hours of in-person training shall be provided.
15. Trouble shooting and cleaning kits shall be provided.
16. Added stock requirements.
  - a. Two (2) additional pull stations; two (2) smoke detectors; two (2) heat detectors; two (2) duct detectors; two (2) horns; and two (2) strobes shall be provided.
  - b. In addition to the above, an additional 5% of component parts shall be provided as added stock.
17. Fire sprinklers shall be present in all buildings and in all rooms per California Building Code.
18. System be integrated with college drawings and match current room number signage.
19. Warranty on the system shall be at least one year from the date of Occupancy.
20. Fire alarm systems and components shall be of the latest technology.
  - a. The model shall be the latest version put out by the manufacturer.
  - b. Parts must be readily available for five (5) years.
  - c. System shall be supported by the manufacturer for five (5) years.
21. Sprinkler systems shall be pressure tested for leaks.
22. Fire alarm provider shall hire a low voltage contractor to install the system. Installer must be certified for the system being installed. Contractor must provide proof of certification.
23. System must have the capability to be viewed remotely. The remote viewing shall be Web based.
24. Any contractor that modifies the fire alarm system data base takes full responsibility for the entire fire alarm system data base.