



COALINGA FIRE DEPARTMENT

GREG DUPUIS, FIRE CHIEF

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CITY OF COALINGA FIRE DEPARTMENT		
FIRE PREVENTION STANDARD		
STANDARD TITLE:	407.008 FIRE ALARM CONTROL UNIT REPLACEMENT	
STANDARD NUMBER: 407.008	EFFECTIVE DATE: October 26, 2022	REVISION DATE: October 26, 2022

PURPOSE

The purpose of this policy is to clarify the Fresno Fire Department's (CFD or Department) requirements related to fire alarm control unit replacement.

APPLICATION

This policy applies to all contractors replacing fire alarm control units within the City of Coalinga (City) and contract service areas. These requirements apply to both required and voluntary systems.

OPERATIONAL POLICY

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OPERATIONAL GUIDELINE

As noted in California State Fire Marshal (CSFM) Code, Interpretation 12-001, when replacing a fire alarm control unit (FACU) in an existing building due to obsolescence or the addition of access required notification appliances, the new control unit is required to be code compliant and listed compatible with other existing components such as smoke detectors, heat detectors, etc. The intent is that only the replacement FACU, newly installed devices and appliances comply with the current edition of the code and referenced standard.

The existing fire alarm system and components should conform to the codes and standards in effect at the time those components were originally installed.

In every case, the authority having jurisdiction should be consulted prior to the replacement of any fire alarm control unit or system modification. Complete documentation should be provided in accordance with the currently adopted version

of National Fire Protection Association (NFPA) Standard 72, the California Fire Code (CFC) and any local requirements.

REQUIREMENTS



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Based upon this interpretation, the Department has determined where only the FACU is being replaced; the Department requires the following documents:

1. Provide an 8-1/2"x11" sheet with the current CSFM listing for the new FACU to be installed.
2. Provide 8-1/2"x11" manufacturer's specification sheets for the new FACU.
3. Provide three (3) copies of a single, standard fire alarm plan sheet. This sheet should have the following information on the sheet:
 - a. Building address, name, and Universal Building Code (UBC) occupancy classification.
 - b. Whether the system is required by the currently adopted version of the California Building Code (CBC), CFC (s) or if it is voluntarily installed at the owner's initiative.
 - c. Whether the system complies with the Americans with Disabilities Act (ADA).
 - d. Provide 24-hour standby and 5-minute system alarm battery demand calculations.
 - e. Provide line voltage drop calculation for most electronically remote circuit (only if longest circuit is over 300 feet).
 - f. The wiring pathway designations and survivability level in accordance with NFPA Standard 72.
 - g. Provide a site plan for the building. (A site plan shows the layout of the building relative to public streets and private drives.)
 - h. Floor plan(s) of the building showing the location of the new FACU. x A one (1) line riser diagram for the system.
 - i. Each plan sheet should be stamped and have a wet signature from a State of California licensed C-10 contractor or licensed Electrical Engineer.

A statement of compatibility, "Designer has verified new fire alarm control unit is backward compatible with all existing fire alarm equipment."

Once these documents have been submitted, the standard fire alarm review, permitting and field inspection procedures should be utilized. No work is to commence without an approved permit being issued.

Note: If any component other than the FACU is being replaced a full set of fire alarm drawings are required. These requirements apply to both required and voluntary systems.



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PROCESS

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INFORMATION

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DEFINITIONS

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CROSS REFERENCES

California State Fire Marshal (CSFM) Code

Interpretation 12-001

Universal Building Code, Current edition

California Building Code, Current edition

California Fire Code, Current edition

National Fire Protection Association

Standard 72