



PREVENTION MANUAL

FIRE ALARM SYSTEMS

407.6 FIRE ALARM PLAN SUBMITTALS

EFFECTIVE: SEPTEMBER 2014

SCOPE

Fire alarm plan submittals.

PURPOSE

The purpose of this policy is to clarify the Department's requirements related to fire alarm plan submittals.

BACKGROUND

The California Fire Code (CFC) specifies that fire alarm plans and shop drawings must be submitted in such form and detail as required by the fire code official.

Documents are routinely returned to designers because the materials are not of sufficient font size, and graphic to be reviewed by City of Fresno Fire Department staff.

Additionally, information on construction documents must be of sufficient clarity to indicate the location, nature and extent of work proposed.

Standard engineering guidelines and good business practice suggest that standardized plan submittals reduce confusion, speed plan review times, and increase efficiency.

REQUIREMENTS

Plan submittal packets shall identify the CBC occupancy classification on an 8 ½" X 11" sheet. This information should be on the cover sheet of the submittal booklet.

Specify on an 8 ½" X 11" sheet if this system is required by the California Building Code/California Fire Code, or is being voluntarily installed at the owner's initiative. This should also be on the cover sheet of the submittal booklet.

Specify on an 8 ½" X 11" sheet if this system is or is not ADA compliant. This should also be on the cover sheet of the submittal booklet.

Provide (on an 8 ½" X 11") sheet a brief (but thorough) description of the Scope of the Project/Work and any auxiliary features this system will contain. This should also be on the cover sheet of the submittal booklet.

Identify all equipment on an 8 ½" X 11" sheet as required, to include the following information: manufacturer name, model #, SFM Listing #, plan symbol, and how many will be installed. This is commonly referred to as an equipment legend. This should be its own page in the submittal booklet.

Provide the California State Fire Marshal listing sheet, and the manufacturer's information sheet as required for all fire alarm equipment. These should be in the submittal booklet after the materials noted above, with the items to be used called out when multiple models are on the same California State Fire Marshal listing sheet and/or manufacturer's listing sheet .

These requirements apply to both required and voluntary systems.

A copy of the City of Fresno Fire Department FPD-F-29 Form follows for reference.



FPD-F-29

FIRE ALARM PLAN SUBMITTAL CHECKLIST

(Revised 09/27/12)

W/SUBMITTAL	INCOMPLETE	
<input type="checkbox"/>	<input type="checkbox"/>	1. Provide an 8-1/2"x11" sheet(s) with the following information: a. Building address, name, and UBC occupancy classification. b. Specify: This system is required by the "California Building Code/California Fire Code" <u>or</u> "voluntarily installed at owner's initiative." c. Specify: This system "is" <u>or</u> "is not" in compliance with ADA. d. Specify, in detail, the scope of the project and any unusual circumstances. e. Identify each separate device type by manufacturer name, model number, SFM Listing number, plan symbol, and how many will be installed. f. Identify conductor cable type(s) and size(s). g. Zone description by device and location of coverage. h. Brief description of auxiliary features (i.e., smoke control, elevator recall, power shut downs, magnetic door holders, sprinkler system/halon interface, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	2. Provide SFM Listing sheets for all equipment.
<input type="checkbox"/>	<input type="checkbox"/>	3. Provide manufacturer specification sheet for all equipment.
<input type="checkbox"/>	<input type="checkbox"/>	4. Provide 24-hour standby and 5-minute system alarm battery demand calculations.
<input type="checkbox"/>	<input type="checkbox"/>	5. Provide line voltage drop calculation for most electronically remote circuit (only if longest circuit is over 300 feet).
<input type="checkbox"/>	<input type="checkbox"/>	6. Provide a site plan for the building (8-1/2"x11" acceptable). (A "site plan" shows the layout of the building relative to public streets and private drives.)
<input type="checkbox"/>	<input type="checkbox"/>	7. Provide three sets of scale drawings of the floor plan(s) of the building showing the following items: a. Location of all fire alarm equipment, including auxiliary function equipment. b. Identify usage of each room shown on floor plan. c. Wiring location (including size and number of conductors, EOL resistors, and AC power connection point).
<input type="checkbox"/>	<input type="checkbox"/>	8. Provide a one line riser diagram for the system.
<input type="checkbox"/>	<input type="checkbox"/>	9. All plan sheets are to be stamped and have a wet signature from a State of California licensed C-10 contractor or licensed Electrical Engineer.
Explain any "incomplete" or "not included" items:		