

GENERAL REQUIREMENTS FOR PLAN SUBMITTAL

- The minimum paper size is 11" x 17"
- Plans must be complete, legible, accurate and drawn to scale
- Provide three (3) sets of plans compliant with current Edition of NFPA 72 and California Fire Code, with each submittal
- Provide three (3) sets of manufactures' cut sheets; two (2) battery calculations; two (2) voltage drop calculations; two (2) CSFM listing information
- Plans must be signed and dated by the appropriate design professional. If the installing contractor is not the designer of the system, the plans will be required to be stamped and wet signed by the Licensed System Design Engineer
- Applications must be filled out completely and signed by applicant
- Address and owner information must be on each sheet of the plans
- No required information can be taped on the plans

INFORMATION REQUIRED ON THE PLANS

- Plans shall include accurate description of scope of work
- Detail the exact nature of the work in a clear, concise, and simple to understand language including the intent of the fire alarm system
- Project address and suite number (if applicable)
- Contractor's title block with name as it appears on contractor's state license number and type
- North Arrow

SUBMITTAL REQUIREMENTS CHECKLIST

Floor Plan

- Device locations
- Type of device
- Control locations
- Conduit connection and size
- Surface mounting installation
- Semi-flush mounting installation
- Flush mounting installation
- Type and size of wire or cable
- Exterior mounted devices (Weatherproof Fixture with listed back boxes)
- Matrix indicating sequence of operation.

Point to Point System Wiring Diagram

- Interconnection of identified devices
- Type of power feed to the control panel
- External connection of modules in control panel

Symbol List and Equipment Identification on Drawings

- Symbols to be used on drawings
- Symbol Description
- Model number and manufacturer's name

Riser Diagram

- Single line interconnection of devices
- Conductor quantity: either hash marks or numbers
- Initiating and indicating zone designations

Signaling Circuit Load Consumption of Furthest Alarm Circuits on Drawings

- Quantity of audio/visual indicating devices on furthest circuit and current consumption
- Length of furthest circuit and resistance of wire
- Formula on drawing and acceptable limit

Battery Calculations Sheet

- Should include 60 hour standby per city ordinance
- Standby power consumption for all current drawing devices times the hours of required by the applicable NFPA Standby
- Alarm power consumption of all current drawing devices times the minutes required by the applicable NFPA Standard

System Operation Instructions

- Step by step instructions for the operation of each type of initiating devices in the system, including reset procedures
- A copy of the reset instructions shall be made of a durable material and shall be permanent affixed to the fire alarm control panel

Design Details

- Standards used for the design of the system
- Details on the occupancy type
- Construction Type
- List of initiating and signaling zone assignments
- Detailed scope of work that identifies the intended system functions or assignments (i.e. system replacement, addition to an existing system, new system, etc.)
- Building with sprinkler monitoring shall be provided with an audio/visual notification device in each occupancy or suite, per city ordinance

Equipment List

- Quantity of the devices
- Model Numbers and Descriptions
- California State Fire Marshal Listing Numbers

NFPA 72 Record of Completion for New Systems

Identification of wire tagging method that conforms to the requirements of NFPA 72 and CEC Section 760-10. All wiring into each device shall be identified. The wiring into a device shall indicate the origin or where it is coming from and the wiring leaving a device shall indicate the destination or where it is going. Each wire tag shall identify the device number, circuit number and the floor.