



Torrance Fire Department Fire Alarm System Plan Submittal Requirements

If the required information below is not provided on the formal plan submittal *plans will not be accepted*. Supplemental information or attachments will also not be accepted. Please check boxes to indicate information below has been noted on plans:

- Name of owner and occupant.
- Name, address and contact information of party submitting the plans
- Name, address, license and contact information of contractor
- Location, including street address
- Point of compass
- Provide a scope describing the project and purpose/ type of system
- Scale floor plan
- List all applicable codes, regulations and ordinances
- Provide identification of circuit styles
- Provide symbol legend showing existing and new devices, manufacturer name, model, quantities, etc.
- Manufacturer's specification manual/CSFM building materials listing/approvals
- Location of all components, including end-of-line devices, zone assignments/device addresses
- Provide a wiring diagram, wiring legend, riser diagram
- Device mounting heights for manual pulls/visible notification appliances
- Provide candela setting listed on floor plan
- Location of sprinkler system test valve
- Voice evacuation message/language(s)
- Sequence of operations (tamper shall have a distinctive signal)
- HVAC systems producing greater than 2000cfm require duct detector protection
- Duct detectors shall report a "Supervisory" signal
- Special system features/fire pump/operations
- Provide central or remote station monitoring company information, UL listing, number & certificate
- Provide primary power supply details
- Provide secondary power supply details/ generator etc.
- Provide voltage drop calculations
- Conductor information, including size, stranding, insulation type, etc.
- Conduit size and conduit fill calculations
- Provide a full height cross section or schematic diagram, including structural member information if Required for clarity and including ceiling construction
- Location of fire walls/ fire stops if required
- Location of partitions
- Occupancy and hazard class of each area or room
- Building two stories or more requires elevator recall; elevator shaft with sprinkler head requires shunt trip with smoke and a heat detector
- In strip centers/malls manual pull station and horn/strobe shall be located in the riser closet
- SOLE PATH COMMUNICATIONS:
 - Communicators shall be listed with the California State Fire Marshal.
 - Cellular alarm communication shall be installed following the requirements of NFPA 72 26.6.3.3 and installer must follow manufactures recommendations.

- Cellular communications shall be programmed so that the path shall be supervised at intervals not more than 60 minutes.
 - Where only one communication path technology is used, any failure of the communication path shall be annunciated at the supervising station within 60 minutes of the failure.
 - Installing technician shall indicate the signal strength indicator on each communicator to the Fire Inspector upon final.
 - Sole Path communicator will be approved on a case by case basis.
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