

East Contra Costa



Fire Protection District

AS

F.D. Permit Number

Date

Description of Work: _____		#Heads _____
Project Name: _____	Address: _____	Suite _____
City: _____	Zip _____	Additional Info. _____
Company: _____	Address: _____	
Contact Person: _____	Phone No. () _____	Lic# / Type _____
City: _____	State: _____	Zip: _____ Email _____

APPLICATION SECTION: DO NOT MARK BELOW THIS LINE

We have reviewed the proposed **fire sprinkler plans** for the project facility. Our review is to insure compliance with the minimum code requirements related to fire and life safety as set forth in the California Fire Code and NFPA 13. The following selected comments shall apply to this project:

- Sprinkler systems, which do not have a current Title 19 5-year service, testing, and maintenance certification, shall be serviced by a CA Licensed C-16 Fire Protection Contractor prior to completion of construction project.
- The maximum distance from sprinklers to walls shall not exceed one-half of the allowable maximum distance between sprinklers _____. NFPA 13 - 8.5.3.2.1
- Within small rooms of light hazard occupancy, the maximum distance from sprinklers to walls shall not exceed 9 feet from any single wall, while maintaining 7 feet 6 inches maximum from the remaining walls. Each wall is permitted to have openings to an adjoining space if the openings have a minimum lintel depth of 8 inches from the ceiling. A single opening of 36 inches or less in width without a lintel is permitted. NFPA 13 - 8.6.3.2.4
- The minimum clearance from sprinkler deflector to top of storage shall be 18 inches or greater. NFPA 13 - 8.5.6.1
- The minimum distance between the last hanger and the end sprinkler on a branch line shall not exceed 3ft for 1" diameter pipe, 4ft for 1-1/4" pipe, and 5ft for 1-1/2" or larger pipe. NFPA 13 - 9.2.3.4.1
- The unsupported length (cumulative horizontal distance) of an arm over to a sprinkler drop or sprig up shall not exceed 24". Where static pressure exceeds 100 psi, the sprinkler drop or sprig up shall not exceed 12". NFPA 13 - 9.2.3.5.1 & 9.2.3.5.2
- Remove excess fittings and pipe between existing branch lines and drop. Only essential fittings required to locate the head in its approved location shall be included.

Fee computed by: _____

Amount Due: _____

Received by: _____

Amount Received: _____

Cash Credit Check No. _____

Invoice No. _____

- All sprinklers in light hazard occupancies shall only be of the same type: quick or standard response, within the same compartment (no mixing of sprinklers). NFPA 13 - 8.3.3.2 & 8.3.3.4

(CONTINUED OVER)

- When the sprinkler system contains one-inch outlets for future work, incorporate all available outlets for tenant improvement work before considering the use of mechanical tees.
- Installation or field changes resulting in the installation of one or more mechanical tees requires a hydrostatic test of 50psi over static pressure and will coincide with the overhead piping and bracing inspection. Coupons shall be adequately attached or hung from all newly installed mechanical tees.
- The installation of listed, approved **flexible sprinkler hose fittings** shall be in accordance with requirements of the listing and installation instructions. Manufacturer's installation instructions and requirements shall be available on site. NFPA 13 - 9.2.1.3.3.1

Provide a **warning label** limiting the relocation of sprinklers where flexible sprinkler hose fittings are used in **suspended ceilings**. Label shall be placed on the anchoring component.
NFPA 13 - 9.2.1.3.3.4

- Additional comments: _____

- Approved plans, including calculations, **shall** be onsite at time of inspection. Failure to have approved plans onsite may result in the **cancellation of the inspection**, and a **reinspection fee** being assessed.

- Contact the Fire District at **(925) 240-2139** (minimum **two** working days notice required) to schedule the following **Fire Sprinkler Inspections and Tests** available Monday through Thursday excluding holidays:

- Weld inspection required.
- Overhead piping and bracing inspection.
- Overhead hydrostatic test (50 PSI over static pressure for minimum 2 hours)
- Overhead hydrostatic test (200 PSI for minimum 2 hours)

On the morning of the inspection, a confirmation telephone call made to the Fire District at 925-240-2139 is necessary between 8:00 and 8:30 AM. Otherwise, the inspection will be cancelled.

Final acceptance is subject to field inspections and necessary tests.

Approval does not relieve the designer / contractor from complying with all applicable fire code requirements, nor does it abrogate the requirements of other authorities having jurisdiction.

- Approved as submitted.
- Approved with Comments.
- Denied, Resubmittal Required.

Reviewed by: _____ Date: _____