



CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT

4005 PORT CHICAGO HWY, STE. 250, CONCORD, CA 94520 • 925-941-3300 • CCCFPD.ORG

AS

F.D. Permit Number

Date

Applicant Name: _____ Phone ____ - _____ Email: _____

Description of Work: _____ No. of Heads _____

Project Name: _____ Address: _____

Suite: _____ City: _____ Zip: _____

Contractor: _____ Contractor's License/Type #: _____

Address: _____ City: _____ State: _____ Zip: _____

Contact Person: _____ Phone No. ____ - _____ Email: _____

OFFICE USE ONLY: DO NOT COMPLETE BELOW THIS LINE

We have reviewed the proposed **fire sprinkler plans** for the project facility. Our review is to ensure compliance with the minimum code requirements related to fire and life safety as set forth in the 2022 California Fire Code and 2022 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 10.2.5.2.1) The requirements of 10.2.5.2.1 shall not apply within small rooms.

The clearance between the deflector and the top of storage for standard pendent and upright spray sprinklers shall be 18 inches or greater. (NFPA 13 10.2.8.1)

The minimum distance between the last hanger and the end sprinkler on a branch line shall not exceed 36 inches for 1" diameter pipe, 48 inches for 1-1/4" pipe, and 60 inches for 1-1/2" or larger pipe. (NFPA 13 17.4.3.4.1)

The unsupported length (cumulative horizontal distance) of an arm over to a sprinkler drop or sprig up shall not exceed 24" for steel pipe. Where static pressure exceeds 100 psi, the cumulative horizontal length of an arm over to a sprinkler or sprinkler drop shall not exceed 12". (NFPA 13 17.4.3.5.1 and 17.4.3.5.2.1)

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.

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 9.4.3.1 and 9.4.3.2)

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.

(CONTINUED OVER)

Computed by: _____ Amount Due: \$ _____ Received by: _____ Amount Received: \$ _____ Date Received: _____

Cash Credit Check No. _____ Invoice No. _____

Installation or field changes resulting in the installation of one or more mechanical tees requires a hydrostatic test of 50 psi 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 17.4.1.3.3.1) Hydraulic calculations must be provided with the plan submittal for any installation incorporating flexible sprinkler piping.

Where flexible sprinkler hose fittings exceed 6 ft in length and are supported by a suspended ceiling in accordance with 17.4.1.3.3.2. A hanger attached to the structure shall be required to ensure that the maximum unsupported length does not exceed 6 ft. (NFPA 13 17.4.1.3.3.3)

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 17.4.1.3.3.4)

Weld certificates must be dated within six months of the weld inspection date. Or, documentation must be provided to show proof of continuity of welder qualification. The records must show the date and the results of procedure and performance qualifications. (NFPA 13, 7.5.2.5 and 7.5.2.6) (AWS B2.1)

Additional comments: _____

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

Contact the Fire District at **permittech@cccfd.org** (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 925-941-3300 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: _____