

Contra Costa County



Fire Protection District

SBP

F.D. Permit Number

Date

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 **sprinkler seismic bracing protection upgrade** application for the sprinkler system of the entire floor where work is being proposed. Our review is to ensure compliance with the minimum code requirements related to fire and life safety as set forth in the 2019 California Fire Code and the 2016 NFPA 13. The following **selected** comments shall apply to this application:

- New seismic bracing protection to resist **lateral and longitudinal horizontal seismic loads and to prevent vertical motion resulting from seismic loads** is required, unless the mains are supported by rods less than 6 inches long and the Cp does not exceed 0.5. (NFPA 13, 9.3.5.1.1 and 9.3.5.5.10.2)
- Ss** = _____ **Cp** = _____
- All new and existing branch lines shall be laterally restrained at **intervals** not exceeding NFPA 13, Table 9.3.6.4(a) and at the end of each branch line. An approved method of restraint shall be provided according to Section 9.3.6.1, including an all-thread hanger rod (minimum 3/8-inch diameter) installed at 45-degree angle. Extend down all-thread rod to the branch line piping or provide surge clip at each end of all-thread rod.
Branch line size _____ Maximum spacing of branch line restraint _____ feet
- The last length of pipe at the end of a feed or cross main shall be provided with a lateral brace. (NFPA 13 9.3.5.5.7)
- Each run of pipe between changes in direction shall be provided with both lateral and longitudinal bracing. Pipe runs less than 12 feet in length shall be permitted to be supported by braces on adjacent runs of pipe. (NFPA 13 9.3.5.7.1)
- Where threaded pipe is used as part of the sway brace assembly, it shall not be less than Schedule 30. (NFPA 13 9.3.5.11.4)

(CONTINUED OVER)

Fee computed by: _____ Amount Due: \$ _____

Received by: _____ Amount Received: \$ _____

Cash Credit Check No. _____ Invoice No. _____

- Powder-driven fasteners shall not be used to attach braces to the building structure, unless they are specifically listed for service in resisting lateral loads in areas subject to earthquakes. (NFPA 13 9.3.5.11.11)
- For connections to wood, through-bolts with washers on each end shall be used. Holes for through-bolts shall be 1/16 greater than the diameter of the bolt. (NFPA 13 9.3.5.12.4)
- Existing C-type clamps used to attach hangers shall be equipped with restraining strap. (NFPA 13 9.3.7.1)
- The restraining strap shall be listed for use with a C-type clamp or shall be a steel strap of not less than 16-gauge thickness and not less than 1-inch-wide for pipe diameters 8 inches or less and 14-gauge thickness and not less than 1-1/4-inch-wide for pipe diameters greater than 8 inches. (NFPA 13 9.3.7.2)
- 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 **925-941-3300 X3902** (minimum **two** working days' notice required) to schedule the following **Fire Sprinkler Inspections and Tests** available Monday through Thursday excluding holidays:

- 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 inspection.

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: _____