



CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT

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

AS-13D

F.D. Permit Number _____

_____ Date

Applicant Name: _____ Phone: ____ - _____ Email: _____

Description of Work: _____ No. of Heads _____

Project Name: _____ Address: _____

Suite/Unit (if applicable): _____ City: _____ Zip: _____

Contractor: _____ Representative: _____ C-16 License #: _____

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

On-Site Representative: _____ Phone: ____ - _____ Email: _____

For questions about submitting this application, email permittech@cccfd.org

OFFICE USE ONLY: DO NOT COMPLETE BELOW THIS LINE

The Fire District has reviewed **residential sprinkler plans** for the project home. 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 13D. The following selected comments shall apply to this project:

Provide a sprinkler head (of smallest orifice) in the inspector's test and drain to simulate a single head flowing. (NFPA 13D 7.2.5)

An audible and visual water flow alarm device shall be provided on the exterior of the home on the side of the building that is visible from the direction of approach. (CCCFPD ORDINANCE 2022-34 903.4.2 and NFPA 13D 7.6, A.7.6)

- **Device shall be approved for wet locations and connected to the home electrical system.**
- **Device shall be set to the loudest steady tone.**
- **Provide a sign above/below or adjacent to the device.**



Shut-off valves, where installed, shall be arranged to shut off both domestic and sprinkler system. Additional valves controlling water supply to the sprinkler system or portion thereof is not permitted. (NFPA 13D 7.1.1)

The plans and calculations indicate a _____ inch meter and a _____ inch supply to the sprinkler riser with/without back-flow device. Arrangements other than this shall be approved prior to inspection.

Discrepancies between the approved plans and the installed system of the home will result in a failed inspection and a required resubmittal with associated fees.

(CONTINUED OVER)

Fee computed by: _____ Amount Due \$ _____ Received by: _____ Amount Received \$ _____ Date Received: _____

Cash

Credit

Check No. _____

Invoice _____

A sign or valve tag shall be installed at the main shutoff valve to the water distribution system stating the following:
NFPA 13D – 6.3.4

“Warning: the water system, for this home, supplies fire sprinklers that require certain flows and pressures to fight a fire. Devices that restrict the flow, decrease the pressure or automatically shut off the water to the fire sprinkler, such as water softeners, filtration systems and automatic shut off valves, shall not be added to this system without a review of the fire sprinkler system by a fire protection specialist. Do not remove this sign.”

Piping in areas of high temperature (attics) shall be provided with adequate insulation (minimum 6” or R19 value) on the attic side of the piping to avoid exposure of the piping to temperatures in excess of the pipe’s rated temperature. This includes accessible or non-accessible attics above non-conditioned spaces, i.e. single-story homes with garages. (NFPA 13D 7.7 and CCCFPD Ordinance 2022-34 903.3.1.3.1)

Where fuel-fired equipment is below or on the same level as occupied areas of the dwelling unit, at least one quick-response intermediate temperature sprinkler shall be installed above the equipment or at the wall separating the space with the fuel-fired equipment from the occupied space. Pilot heads shall be on a metallic sprig-up. (CCCFPD ORDINANCE 2022-34 Chapter 80, NFPA 13D, 8.3.5.1.2)

Provide sprinklers in closets that do not meet the following omission criteria. NFPA 13d - 8.3.3

- The area of the space does not exceed 24 square feet
- The walls and ceilings are surfaced with noncombustible or limited-combustible materials.

Additional Comments:

One (1) printed copy of the approved plans (in color), hydraulic calculations, and any other required documentation shall be on-site at time of inspection. Failure to have approved documents onsite will result in the **cancellation of the inspection**, and a **reinspection fee** being assessed.

NOTE: APPLICANT IS RESPONSIBLE FOR CONTACTING THE WATER PURVEYOR TO DETERMINE IF THE NEW OR EXISTING WATER METER/SERVICE IS ADEQUATE.

Contact the Fire District at permittech@cccfd.org (*minimum two working days' notice required*) to schedule the following inspection and tests available Monday through Thursday, excluding holidays.

Sprinkler Rough Overhead/Hydrostatic Test (175 PSI for 1 hour)

Final Sprinkler Inspection including audible alarm test and pump acceptance, where applicable.

Fire Inspector will email the requestor an inspection time, between 3:00 pm and 5:00 pm, the day before the requested 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: _____