



Fairfield Fire Department  
Fire Prevention Division  
1200 Kentucky Street, Fairfield, CA 94533  
Phone (707) 428.7375

**FIRE PUMP INSTALLATION**  
**STD# 07-24 Effective Date: 01/01/2024**

**SCOPE**

This standard is for the design, installation and maintenance of private fire pump houses and pump rooms and shall apply to all fire pumps installed on commercial properties within the jurisdiction of the Fairfield Fire Department and is pursuant to the 2022 California Fire Code, Local Ordinance and the 2022 edition of NFPA 20, 24 & 13 as applicable.

**PLANS**

All plans submitted for permit shall include all items indicated in 2022 NFPA 20 Section 4.2.3.2 and the Fairfield Fire Prevention Bureau Standard 20-24. Plans shall include but not limited to the following:

Plans shall be complete and detailed describing the pump house, pump, driver, controller, power supply, fittings, suction and discharge connections, and water supply conditions and sources, fuel tank and system, ventilation, and exhaust.

Plans submitted shall be fully coordinated with plans provided by civil and architectural design, and fire service underground, fire sprinkler systems design.

**SPECIFICATIONS**

All new fire pumps shall be located in a dedicated remote fire pump house, unless specific unalterable circumstances prevent an acceptable pump house location. A fire pump room within the building will only be acceptable where approved by the fire code official. All pump house locations and designs shall be provided as part of both the architectural plans and the fire pump plans submittals.

**Fire Control Rooms:** Fire pump houses shall be considered the fire control room and shall be sized and designed to house the additional equipment for the fire control room.

**Site Hydrants:** A fire pump used to supply additional pressure to the building fire sprinkler



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system shall not be used to supply site hydrants.

**Test Loops:** All new fire pumps shall be designed with a hydraulic test loop. In order to reduce water usage and environmental impacts from annual testing, fire pumps shall be designed with test loops and test headers.