



# COALINGA FIRE DEPARTMENT

GREG DUPUIS, FIRE CHIEF

300 W. Elm Ave • Coalinga, CA 93210 • Phone (559) 935-1652 • Fax (559) 935-1638

CITY OF COALINGA FIRE DEPARTMENT		
FIRE PREVENTION STANDARD		
STANDARD TITLE:	405.025 FIRE DEPARTMENT CONNECTION REQUIREMENTS	
STANDARD NUMBER: 405.025	EFFECTIVE DATE: October 26, 2022	REVISION DATE: October 26, 2022

## ***PURPOSE***

The purpose of this policy is to clarify the Coalinga Fire Department's (CFD or Department) requirements related to the installation of fire department connections.

## ***APPLICATION***

This policy applies to all fire sprinkler system - fire department connection installations, including both required and voluntary systems.

## ***OPERATIONAL POLICY***

As noted in the latest edition of the California Fire Code (CFC) the Department is permitted to specify the requirements for all fire department connection installations for all fire sprinkler systems.

## ***OPERATIONAL GUIDELINE***

Based upon the need for uniformity in application across the Department's diverse service delivery area, the Department has determined that each fire sprinkler system, fire department connection must be installed as follows:

1. Fire department connections must not be installed within five feet (5') of any building opening, excluding a fire sprinkler system riser access door. For the purposes of this requirement, an opening is any change in building construction from the exterior wall assembly of the building (i.e., a non-operable window would still be considered a building opening as it is of a different level of fire resistance from the construction of the wall assembly).
2. Fire department connections must be located within forty feet (40') of a fire apparatus access lane.
3. The minimum size of all fire department connections is based upon the system type; however, no fire department connection is permitted to be less than two- and one-half inches (2 ½") in size.



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4. A single, two- and one-half inch (2 ½") connection is only permitted for NFPA 13R and City of Coalinga "Reduced Hydraulic Demand" fire sprinkler systems.
5. For fire sprinkler systems with a demand of up to 749 gallons per minute (gpm) (system demand and hose stream allowance), a single, dual outlet, Siamese style fire department connection must be provided. The outlets must be two and one-half inch (2 ½"), connections. All fire department lead in connections to a fire sprinkler system must be a minimum of four inches (4") to the riser.
6. Any fire sprinkler system having a demand of 750 gpm or more (system demand and hose stream allowance) must be fitted with a single outlet style fire department connection. The connection must be a four- and one-half inch (4½") large diameter fire department connection. The large diameter connection must consist of a female swivel with a plug, threaded with National Hose Threads, located in an CFD approved location.
7. Fire sprinkler system plans submitted to CFD for a system that has a demand of 750 gpm or more (system demand and hose stream allowance) must have a note on the plans stating the following:
  1. "The fire department connection must be a large diameter (4 ½") connection, female swivel with a plug, National Hose Thread, located in an approved location."

## ***PROCESS***

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## ***INFORMATION***

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## ***DEFINITIONS***

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## ***CROSS REFERENCES***

California Fire Code, Current edition.

NFPA 13, Standard for the Installation of Sprinkler Systems, §8.17.2, Automatic Sprinkler Systems (2016 ed. with California Amendments)

Fire Prevention Manual, Section #401.011, Fire Sprinkler Plan Specifications.