



# 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:	405.0030 SPECIFIC APPLICATION WINDOW SPRINKLERS	
STANDARD NUMBER: 405.030	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 for the installation of water curtains as noted in the currently adopted versions of the California Building Code (CBC) and National Fire Protection Association (NFPA), Standard 13.

## ***APPLICATION***

This policy applies to all buildings equipped with a fire sprinkler system within the Department's service area, including contract service areas. These requirements apply to both required and voluntary fire sprinkler systems.

## ***OPERATIONAL POLICY***

As noted in the currently adopted version of the California Fire Code (CFC), the fire code official has the authority to formulate policies they deem necessary based upon local conditions related to fire sprinkler installations. Currently, Tyco WS specific application window sprinklers are listed for use, subject to specific conditions, including a number of installation requirements, under International Code Council Evaluation Service (ICC-ES), ESR 2397.

## ***OPERATIONAL GUIDELINE***

Based upon the need for uniformity in application across the Department's diverse service delivery area, and after careful deliberation, the Department has determined the following:

1. All proposed water curtains are required to use Tyco WS specific application window sprinklers.
2. Tyco WS specific application window sprinklers require sprinklers and piping on both sides of the water curtain in accordance with their listing.
3. All water curtain supply piping is required to be on its own riser, with a separate, supervised control valve, water flow switch, bell and drain. The water curtain riser must also be marked with a permanent and durable sign indicating its function, in accordance with NFPA 13. These systems are commonly used as an alternate, equivalent means of fire protection for fire resistance rated construction, and as such, the water curtain must



# 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:	405.0030 SPECIFIC APPLICATION WINDOW SPRINKLERS	
STANDARD NUMBER: <b>405.030</b>	EFFECTIVE DATE: <b>October 26, 2022</b>	REVISION DATE: October 26, 2022

remain in service if the standard fire sprinkler system must be taken out of service for any reason.

- Any proposed water curtain installation must show a complete section detail of the installation on the fire sprinkler plan set. This detail must show fire sprinkler head positions, window style to be protected, mullions or butt joints, etc.
- Any proposed water curtain installation must include a note on the plans that the spare head kit must include water curtain sprinkler heads. The head legend must show the correct fire sprinkler heads and counts.
- All water curtains must comply with the requirements of NFPA 13, for fire sprinkler protected glazing.

## ***PROCESS***

This section left intentionally blank.

## ***INFORMATION***

This section intentionally left blank.

## ***DEFINITIONS***

This section left intentionally blank.

## ***CROSS REFERENCES***

California Fire Code, Current edition  
California Building Code, Current edition

National Fire Protection Association (NFPA) 13  
Automatic Sprinkler Systems, Current edition