



Laguna Beach Fire Department

2019 CFC Municipal Code Amendments

To The 2016 NFPA 24 Standard:

NFPA 24, 2016 Edition, Installation of Private Fire Service Mains and Their Appurtenances is hereby amended as follows:

Section 5.9.1.3 The fire department connection shall be of an approved type and contain a minimum of two 2 ½ inch inlets. The location shall be approved and be no more than 150 feet from a public fire hydrant. If acceptable to the water authority, it may be installed on the backflow assembly. The supply pipe shall be painted OSHA safety red.

Section 5.9.1.3.1 When the sprinkler density design is 500 g.p.m. (including the interior hose stream demand) or greater, or a standpipe system is included, four 2 ½" inlets shall be provided.

Section 5.9.1.3.2 The fire department connection (FDC) may be located within 150 feet of a private fire hydrant provided the FDC connects down-stream of an aboveground sprinkler system check valve.

Section 6.2.1.3 The closest upstream indicating valve to the riser shall be painted OSHA red. Brass or bronze valves on sprinkler risers mounted to the exterior of the building may be left unpainted.

Section 6.2.1.4 Where OS&Y valves on the detector check assembly are the only control valves, at least one OS&Y valve shall be painted OSHA red.

Section 6.2.9 All connections to private fire service mains for fire protection systems shall be arranged in accordance with one of the following so that they can be isolated:

1. A post indicator valve installed not less than 40 feet from the building. For buildings less than 40 feet in height, a post indicator valve shall be permitted to be installed closer than 40 feet but at least as far from the building as the height of the wall facing the post indicator valve.
2. A wall post indicator valve
3. An indicating valve in a pit, installed in accordance with Section 6.4
4. A backflow preventer with at least one indicating valve not less than 40 feet from the building. For buildings less than 40 feet in height, a backflow preventer with at least one indicating valve shall be permitted to be installed closer than 40 feet but at least as far from the building as the height of the wall facing the backflow preventer.
5. Control valves installed in a fire-rated room accessible from the exterior.
6. Control valves in a fire-rated stair enclosure accessible from the exterior.

Section 6.3.3 All post indicator valves controlling fire suppression water supplies shall be painted OSHA red.

Section 10.4.1.1 Coatings. All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion-retarding material, prior to poly-tube, and after installation.

Section 10.4.1.1.1 All bolts, washers and nuts used in pipe-joint assembly shall be 316 stainless steel.

Section 10.4.1.4 All ferrous pipe shall be coated and wrapped. Joints shall be coated and wrapped after assembly. All fittings shall be protected with a loose 8-mil polyethylene tube. The ends of the tube shall extend past the joint by a minimum of 12 inches and be sealed with 2 inch wide tape approved for underground use. Galvanizing does not meet the requirements of this section.

Exception: 316 or 304 Stainless Steel pipe and fittings.

Section 10.4.3.1 Where fire service mains enter the building adjacent to the foundation, the pipe may run under a building to a maximum of 18 inches, as measured from the interior of the exterior wall. The pipe under the building or building foundation shall be 316 stainless steel and shall not contain any joints.

Section 10.4.3.2 Where approved, private fire service mains supplying systems within the building shall be permitted to extend more than 18 inches under the building when all the requirements of 10.4.3.2.1 through 10.4.3.2.4 are met.