



## Orange County Fire Authority Community Risk Reduction INFORMATIONAL BULLETIN 07-00

### **Subject: Certification of Fire Extinguishing System Piping 4 Inches or Greater in Diameter**

All drawings for the installation of fire extinguishing system piping with pipe size 4 inches in diameter or greater and supported by wood construction or lightweight steel shall bear the signature of a California-licensed civil or structural engineer certifying that the design for the supporting members are in full compliance with loading requirements as specified in Chapter 16 of the 2016 California Building Code.

Code Section Referenced: 2016 NFPA 13, Section 9.2.1.3.1.

This requirement shall be met by one of the following:

1. Engineering drawings and calculations signed and stamped by a California-licensed civil or structural engineer containing the following information:
  - A. All piping layouts, materials, sizing, and support locations; and
  - B. Typical details of pipe supports and connections to the structural members; and
  - C. Structural framing plans showing size, grade, span, and location of all supporting structural members; and
  - D. All engineering calculations.
2. Sprinkler plans showing hanger locations and pipe sizes stamped and signed by a California-licensed civil or structural engineer with a statement certifying that the loads imposed on the structure have been found to be within building's structural design limits.
3. A letter signed and stamped by the Engineer of Record for the building stating that they have reviewed the sprinkler drawings for loads imposed on the structure and have found them to be in conformance with the building's structural design limits.

Questions regarding specific applications should be addressed to OCFA P&D staff.