

4.15 Attachments and Anchors Acceptable for Hanging and Sway Bracing of Sprinkler Pipe (2025)

Reference: 2025 San Francisco Building Code Chapter 16; 2025 California Fire Code (CFC) Chapter 80, CSFM Amendments to 2025 NFPA 13 Chapter 17 and Chapter 18; ASCE 7, ICC AC 193; 2025 SFFD Administrative Bulletin 2.04.

Purpose: To provide guidance for selection of attachments and anchors used for hanging and bracing of fire sprinkler piping and appurtenances.

I. GENERAL REQUIREMENTS

1. **Horizontal Force Factor.** The horizontal force factor must be determined using the method outlined in ASCE 7-16.
2. **Existing Powder Driven Studs.** Existing powder driven studs will be allowed to remain unless the pipe is being moved or altered, or the hanger is not holding properly.
3. **Powder Driven Studs Not Permitted.** Powder driven studs are not permitted to be used for sway bracing and/or hangers.
4. **Concrete Fasteners.** All concrete fasteners for hangers and sway bracing must be certified or prequalified for cracked concrete.