



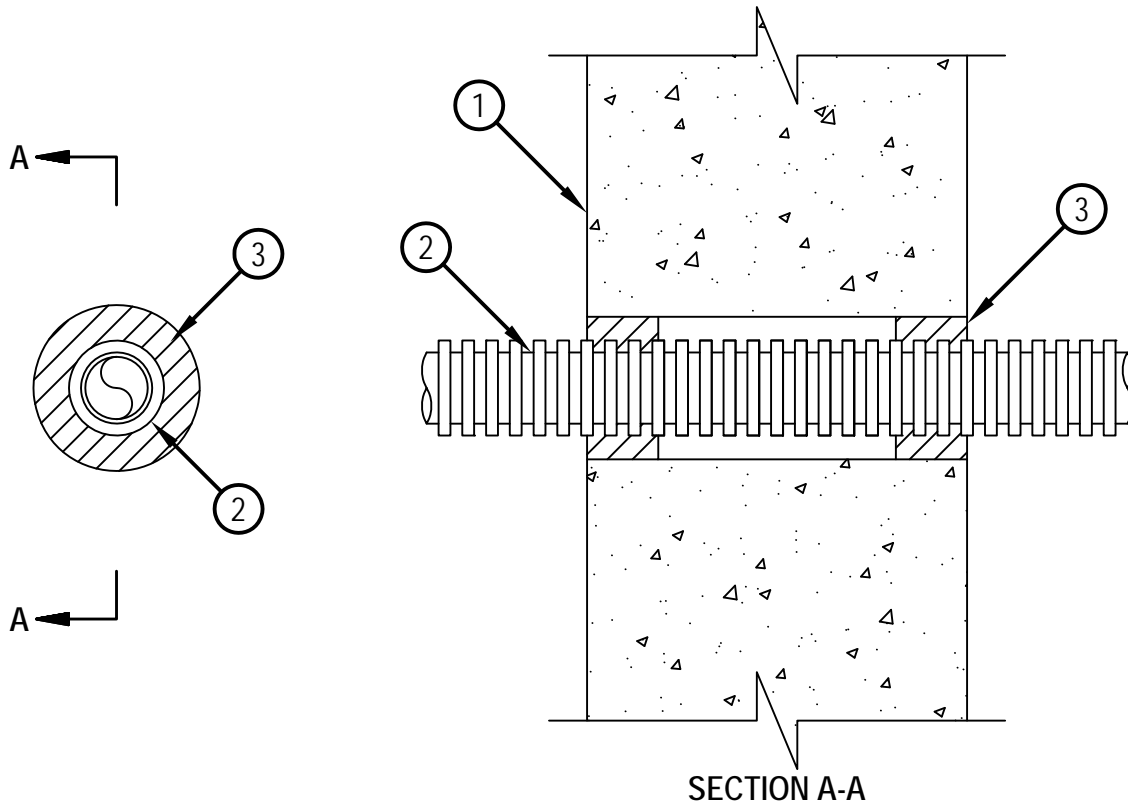
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-J-2190

F Rating - 3 Hr & 4 Hr (See Item 1)

T Rating - 3 Hr & 4 Hr (See Item 1)

WJ 2190



1. Wall Assembly -- Min 6-1/2 in. (165 mm) and 7-1/2 (191 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete for 3 and 4 hr fire rated wall assemblies, respectively. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 3-1/2 in. (89 mm).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrant -- Nom 2 in. (51 mm) diam (or smaller) Electrical Nonmetallic Tubing+ formed from polyvinyl chloride (PVC) and installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70). One tubing to be installed either concentrically or eccentrically within the firestop system. The annular space within the firestop system shall be min 1/4 in. (6 mm) to a max 3/4 in. (19 mm). Tubing to be rigidly supported on both sides wall.

See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers.

3. Fill, Void or Cavity Material* - Sealant -- Min 1-1/2 in. (38 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- CP 618 Firestop Putty Stick

*Bearing the UL Classification Mark

+ Bearing the UL Listing Mark



Hilti Firestop Systems

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