



Underwriters Laboratories, Inc.
to UL 1479

System No. C-AJ-2712

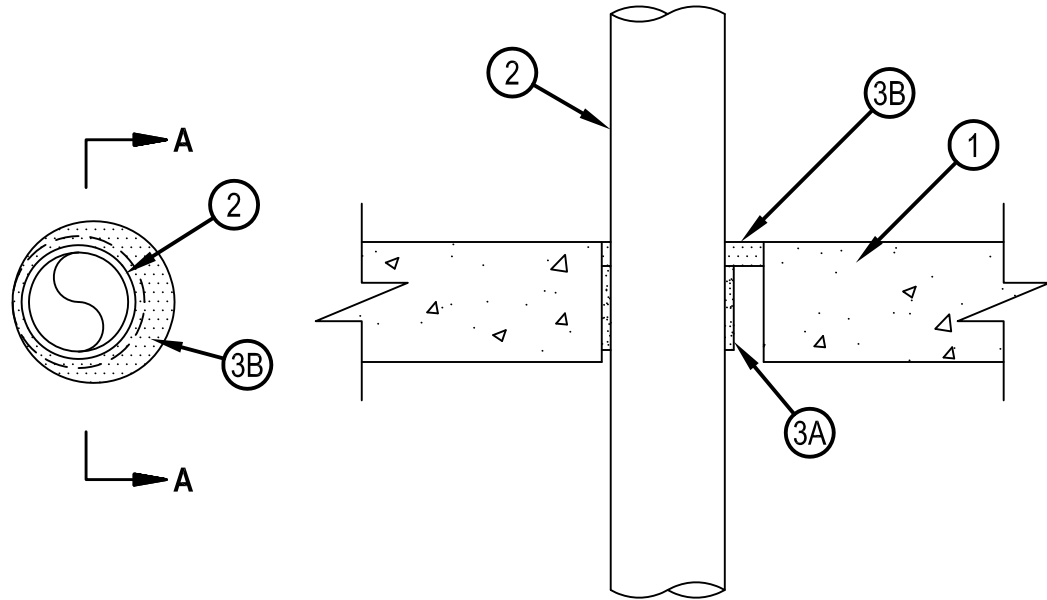
F Rating — 2 Hr

T Rating - 1 Hr

L Rating At Ambient — Less Than 1 CFM/sq ft

L Rating At 400 F — Less Than 1 CFM/sq ft

CAJ 2712



SECTION A-A

1. Floor or Wall Assembly — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or min 2-3/4 in. (70 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete wall. 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) in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. The annular space between the pipe and the periphery of the opening shall be a minimum of 3/16 in. (5 mm) to a max of 13/16 in. (21 mm). Pipe to be rigidly supported on both sides of the floor or wall assembly. The following type and sizes of nonmetallic pipe may be used:

A. Polypropylene (PP) Pipe — Nom 2 in. (63 mm OD) diam (or smaller) Aquatherm Fusiotherm SDR 11 PP pipe for use in closed (process or supply) piping systems.

B. Polypropylene (PP) Pipe — Nom 2 in. (63 mm OD) diam (or smaller) Orion PolystarTM CT-White SDR 11 pipe for use in closed (process or supply) piping systems.

3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material* Wrap Strip — Nom 1-3/4 in. (44 mm) wide by 3/16 in. (5 mm) thick wrap strip. The wrap strip is continuously wrapped around the outer circumference of the pipe once with ends butted, held in place with integral fastening tape and slid into the annular space. The bottom edge of the wrap strip shall be recessed max 1/4 in. (6 mm) from the bottom surface of the concrete floor or 1/2 in. (13 mm) from both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 648E

B. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or both surfaces of wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Hilti Firestop Systems

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