



Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-J-2267

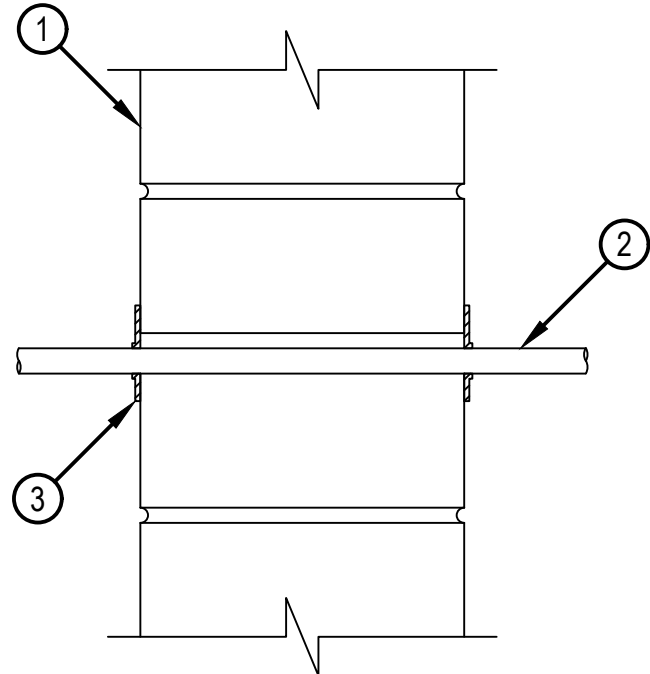
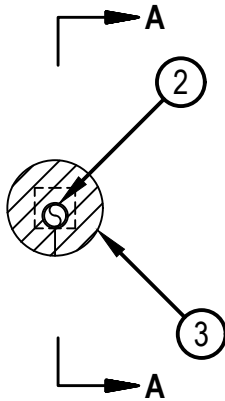
F Rating - 2 Hr

T Rating - 2 Hr

L Rating at Ambient - Less than 1 CFM / Opening

L Rating at 400 F - Less than 1 CFM / Opening

WJ 2267



SECTION A-A

1. Wall Assembly — Min 6 in. (152 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Opening may be round, rectangular or irregular with a max diam or dimension of 1 in. (25 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One nonmetallic duct or tube to be installed either concentrically or eccentricly within the firestop system. The annular space between penetrant and the periphery of the opening shall be min 0 in. (point contact) to a max 1/2 in. (13 mm). The following types and sizes of nonmetallic pipes may be used:
 - A. Microduct* — One nom 1/2 in. (12.7 mm) diam (or smaller) Durathane/Riser micro duct with min 0.057 in. (1.45 mm) wall thickness for use in closed (process or supply) piping systems. Microduct to be installed concentrically or eccentricly within the firestop system. The annular space between the microduct and the periphery of the opening shall be min 0 in. (point contact). Microduct to be rigidly supported on both sides of wall. See Optical Fiber/Communications/Signaling/Coaxial Cable Raceway (QAZM) category for certification.
 - A-D-Technologies — Dura-Line Riser Rated MicroDuct
 - B. PEX Tubing — One nom 3/4 in. (19 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems. Tubing to be rigidly supported on both sides of wall.
3. Fill, Void or Cavity Material* — Nom 60 mm diam by 3 mm thick putty disc with one seam at radius. Paper-backer of disc to be removed and disc firmly pressed around the penetrant lapping nom 5 mm onto penetrant to completely cover opening and firmly pressed to lap onto the wall around periphery of opening. Disc seam to be firmly pressed and sealed tight, Disc to be installed at both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-D 1" Firestop Putty Disc

* 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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