

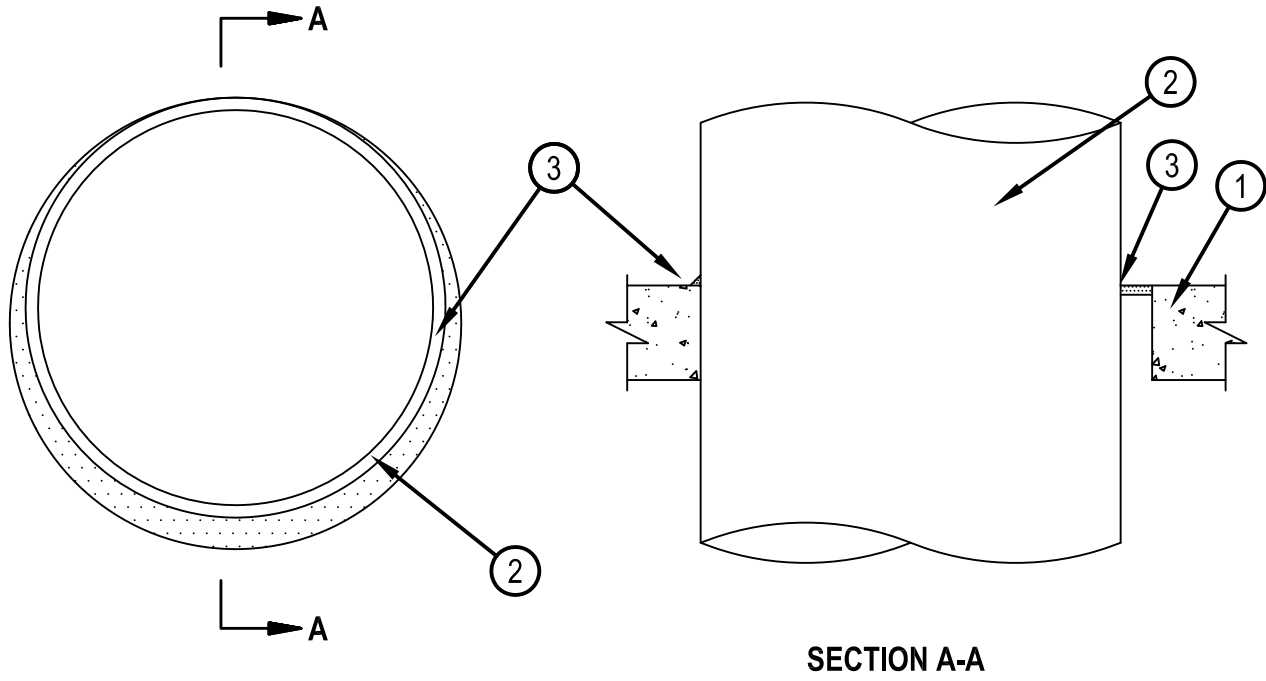


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-1278

CAJ 1278

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 3 Hr	F Rating - 3 Hr
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Rating - 3 Hr
	FTH Rating - 0 Hr



1. Floor or Wall assembly — Minimum 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Maximum diameter of opening is 30-7/8 in. (784 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetrant — One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe or conduit and periphery of opening shall be minimum 0 in. to maximum 7/8 in. (22 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
 - A. Steel Pipe — Nominally 30 in. (762 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Copper Pipe — Nominally 6 in. (152 mm) diameter (or smaller) Regular (or heavier) copper pipe.
 - C. Copper Tubing — Nominally 6 in. (152 mm) diameter (or smaller) Type L (or heavier) copper tubing.
 - D. Conduit — Nominally 6 in. (152 mm) diameter (or smaller) steel conduit.
 - E. Conduit — Nominally 4 in. (102 mm) diameter (or smaller) steel electrical metallic tubing (EMT).
3. Fill, Void or Cavity Material* — Sealant — Minimum 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between pipe and concrete, a minimum 1/4 in. (6 mm) diameter bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or 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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