

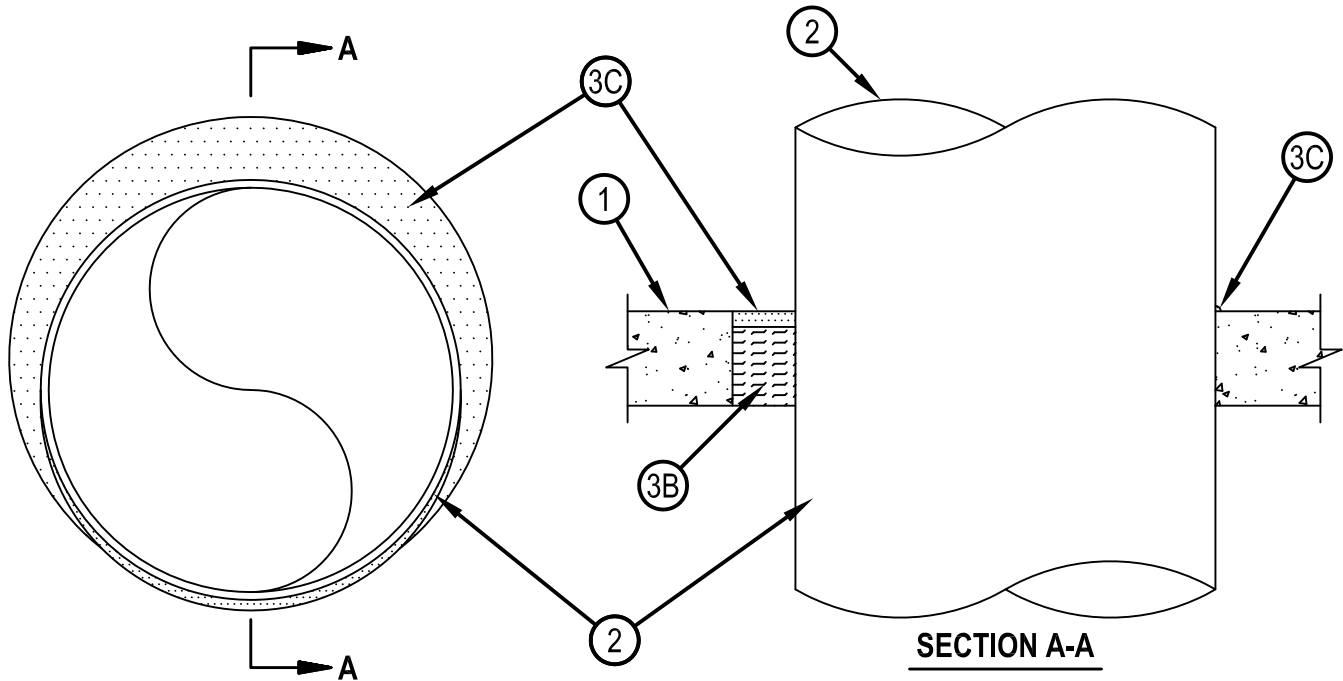


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-1156

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Rating - 3 Hr | F Rating - 3 Hr |
| T Rating - 0Hr | FT Rating - 0Hr |
| L Rating At Ambient - Less Than 1 CFM/sq ft | FH Rating - 3 Hr |
| L Rating At 400 F - 4 CFM/sq ft | FTH Rating - 0 Hr |
| | L Rating At Ambient - Less Than 1 CFM/sq ft |
| | L Rating At 400 F - 4 CFM/sq ft |

CAJ 1156



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100 to 150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 27 in. (686 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Pipe — Nom 21 in. (533 mm) diam (or smaller) 0.056 in. (1.4 mm) thick (or heavier) steel pipe. One pipe to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. (point contact) to max 3 in. Pipe to be rigidly supported on both sides of floor or wall assembly.
3. Firestop System — The firestop system shall consist of the following:
 - A. Steel Wire Mesh — (Not Shown) — Where needed to aid in system installation in concrete block wall construction, No. 8 steel wire mesh or min 0.034 in. (0.86 mm) thick (20 MSG) galv sheet steel may be formed, centered and installed within the through opening such that it is recessed a min of 1/8 in. (3.2 mm) from each surface of the wall.
 - B. Packing Material — Min 2 in. (51 mm) thickness of min 4.0 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.
 - C. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. (19 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 min 1/2 in. (13 mm) diam bead of caulk 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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