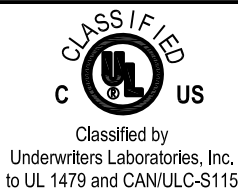
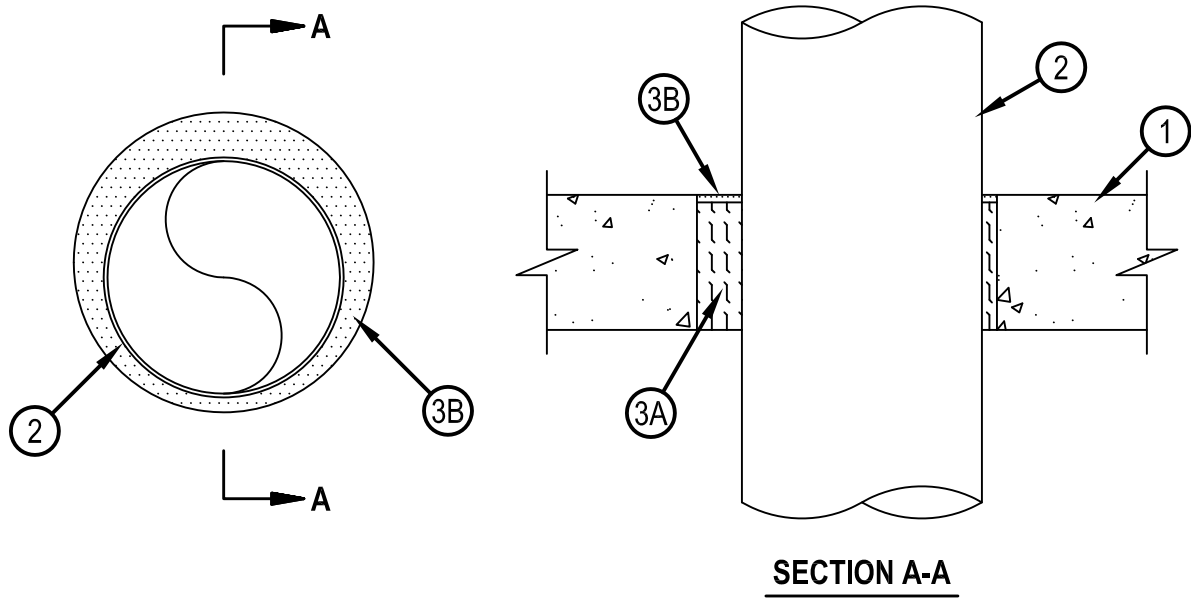


**System No. C-AJ-7149**



ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 1/4 Hr	FT Rating — 1/4 Hr
	FH Rating — 2 Hr
	FTH Rating — 1/4 Hr



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) concrete floor or wall assembly. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 10 in. (254 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
  2. Steel Vent Duct — Nom 8 in. (203 mm) diam (or smaller) No. 26 gauge (or heavier) galv steel duct. One duct to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 1/4 in. (6 mm) to max 1-3/4 in. (44 mm). Duct to be rigidly supported on both sides of floor or wall assembly.
  3. Firestop System — The firestop system shall consist of the following:
    - A. Packing Material — Min 4-1/4 in. (108 mm) thickness of min 4 pcf (64 kg/cu meter) 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 as required to accommodate the required thickness of fill material.
    - B. Fill, Void or Cavity Material\* — Caulk — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG, CFS-S SIL SL (floors only)

\*Bearing the UL Classification Mark



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