

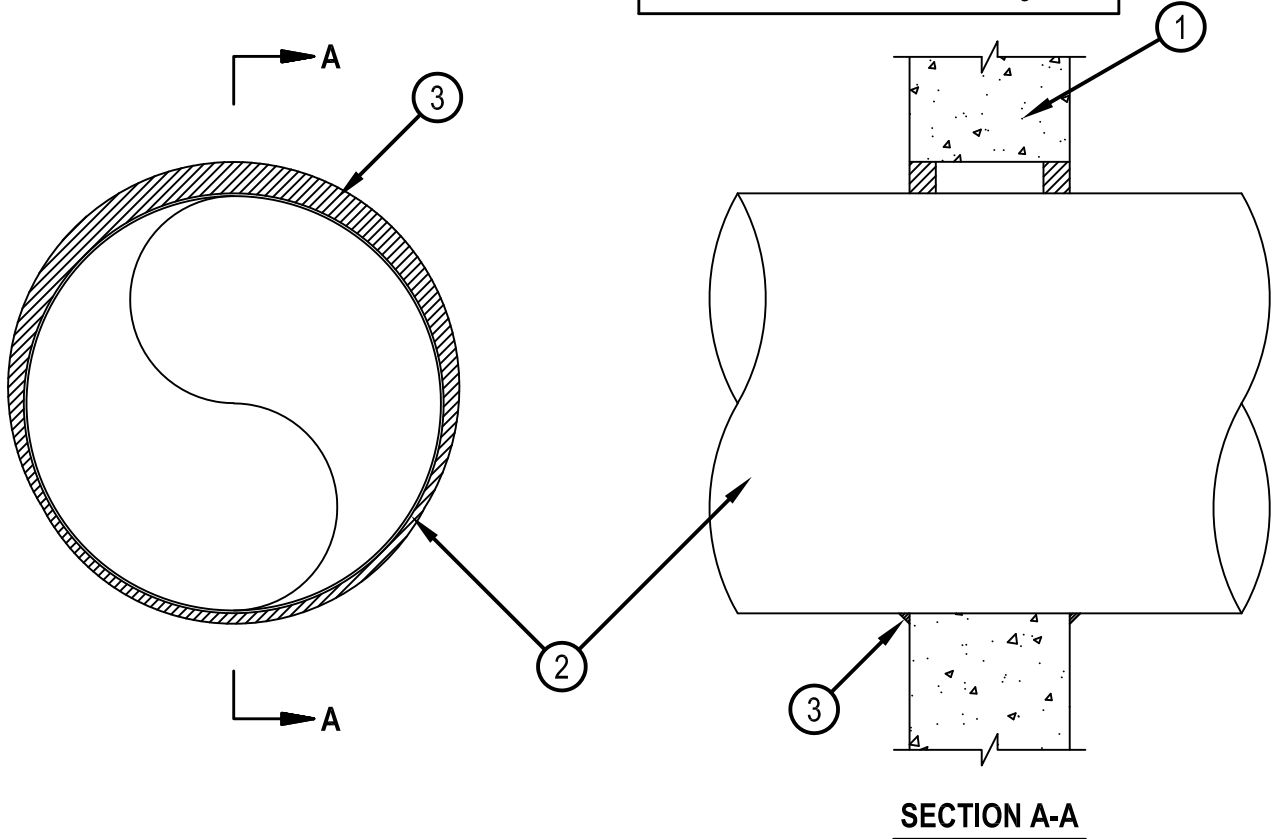


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-J-7022

WJ 7022

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 & 2 Hr (See Items 1 and 3)	F Ratings — 1 & 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating— 0 Hr
	FH Ratings — 1 & 2 Hr (See Items 1 and 3)
	FTH Rating — 0 Hr



1. Wall Assembly — Min 4-3/4 in. and 6 in. (121 and 152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete for 1 and 2 hr ratings, respectively. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 25- 1/2 in (648 mm).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrant — Nom galv steel duct to be installed concentrically or eccentrically within the firestop system. The annular space between duct and periphery of opening shall be min 0 in. (point contact) and max 1-1/2 in. (38 mm). Duct to be rigidly supported on both sides of wall assembly.

A. Spiral Wound HVAC Duct — Nom 24 in. (610 mm) diam (or smaller) No. 28 MSG (or heavier) galv steel spiral wound duct.

A. Sheet Metal Duct — Nom 12 in.(305 mm) diam (or smaller) No. 28 MSG (or heavier) galv sheet steel duct.

3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) and 1-1/4 in. (32 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly for 1 and 2 hr F Ratings, respectively. When FS-ONE Max is used, min 5/8 in. (16 mm) thickness for both 1 and 2 hr F Ratings. At the point contact location between duct and periphery of opening, a min 1/2 in. (13 mm) diam bead of sealant shall be applied at the periphery/duct interface on both surfaces of wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 601S Elastomeric Firestop Sealant, CFS-S SIL GG Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP606 Flexible Firestop 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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