

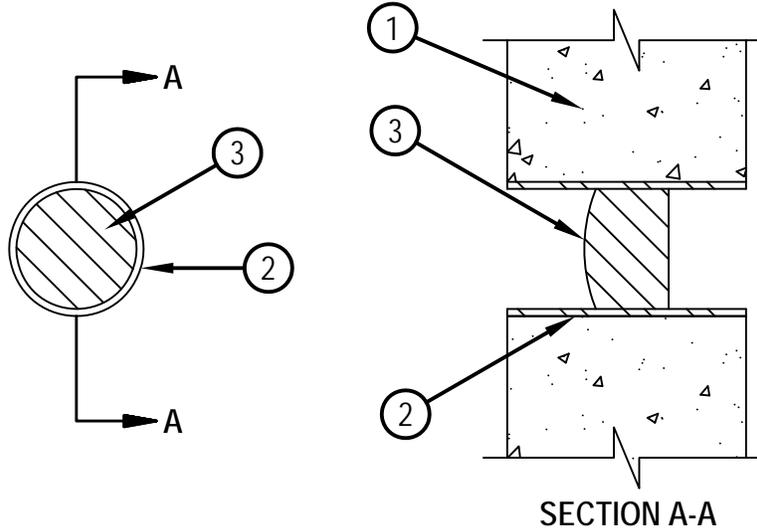


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-J-0010

WJ 0010

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Ratings — 0 and 1-3/4 Hr (See Item 2)	FT Ratings — 0 and 1-3/4 Hr (See Item 2)
	FH Rating — 2 Hr
	FTH Ratings — 0 and 1-3/4 Hr (See Item 2)



1. Wall Assembly — Min 6 in. (152 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*. Diam of opening is nom 1-1/2, 2, 3 or 4 in. (38, 51, 76 or 102 mm).

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

2. Metallic Sleeve — (Optional) Nom 1-1/2, 2, 3 or 4 in. (38, 51, 76 or 102 mm) diam Schedule 5 (or heavier) steel pipe sleeve cast or grouted into wall assembly. Sleeve to be flush with wall surfaces or may extend up to 12 in. (305 mm) beyond either or both wall surfaces. Where sleeve extends more than 6 in. (152 mm) beyond the surface of the wall it shall be rigidly supported. When wall is constructed of concrete blocks, steel sleeve is required.

The T, FT and FTH Ratings of the firestop system are 0 Hr when sleeve extends beyond one or both wall surfaces. The T, FT and FTH Ratings are 1-3/4 Hr when the sleeve is flush with both wall surfaces or when sleeve is not provided.

3. Fill, Void or Cavity Materials* - Plug — Nom 2, 2.5 or 4 in. (51, 63 or 102 mm) plug sized for the steel sleeve/wall opening per Table below friction-fitted within the sleeve/wall opening and centered within thickness of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 658T Firestop Plug 2.5 or 4 in. or CFS-PL Firestop Plug 2 or 4 in.

Sleeve/Opening Diam	Nom Plug Size, in. (mm)		
	in. (mm)	CP 658T	CFS-PL
1-1/2 (38)		2.5 (63) **	2 (51) **
2 (51)		2.5 (63) **	2 (51)
3 (76)		4 (102) **	4 (102) **
4 (102)		4 (102)	4 (102)

** Cut wedge from plug to fit sleeve/opening size. See Hilti Installation Instructions for specific size of wedge cuts required.

*Bearing the UL Classification Mark



Hilti Firestop Systems

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