



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

## System No. C-AJ-2667

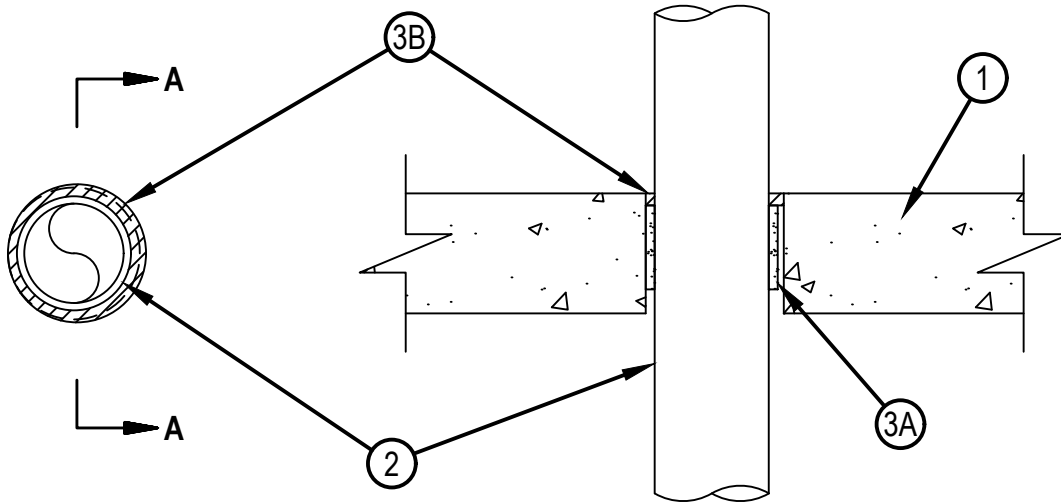
F Rating — 2 Hr  
FT Rating — 0 Hr  
FH Rating — 0 Hr  
FTH Rating — 0 Hr

L Rating at Ambient — Less Than 1 CFM/sq ft  
L Rating at 400 F — Less Than 1 CFM/sq ft

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.



CAJ 2667



**SECTION A-A**

1. Floor or Wall Assembly — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete floor or Min 3 in. (76 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diameter of opening is 3 in. (76 mm).

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

2. Through Penetrants — One nonmetallic pipe to be installed either concentrically or eccentrically within the firestop system. Annular space between pipe and edge of opening shall be min 3/16 in (5 mm) to max 5/16 in. (8 mm). Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. Cross Linked Polyethylene (PEX) Tubing — Nom 2 in. (51 mm) diam (or smaller) SDR9 PEX tubing for use in closed (process or supply) or vented (drain, waste and vented) piping systems.

3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material\* — Wrap Strip — One layer of intumescent wrap strip wrapped around the pipe with ends butted and held in place with aluminum tape. Wrap installed recessed to accommodate fill material. In walls, the wrap strip shall be installed on both surfaces of the wall such that the exposed edge of the wrap strip is recessed 1/2 in. (13 mm) from each side of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP648-E W45/1-3/4" Wrap Strip

B. Fill, Void or Cavity Material\* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or 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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June 24, 2016