

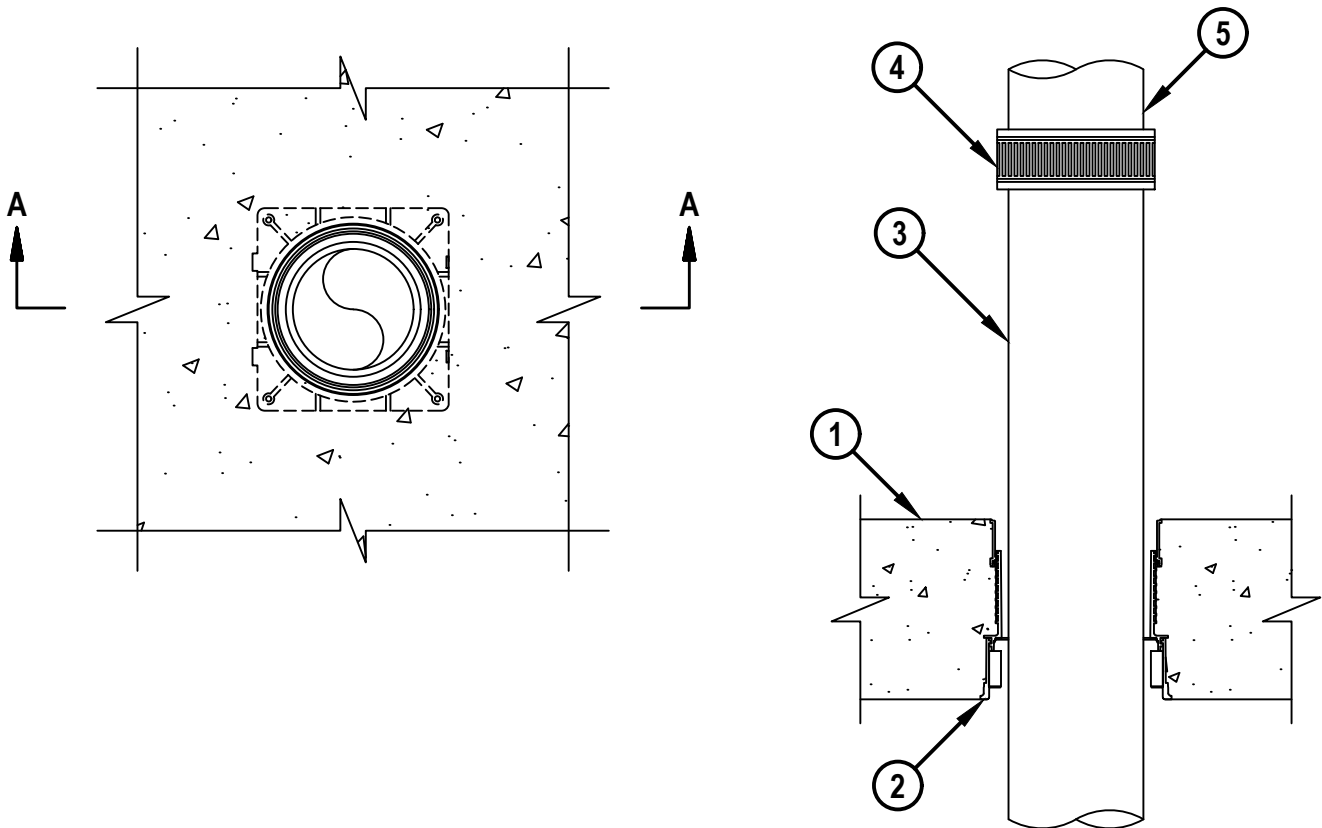


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. F-B-2081

FB 2081

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 2 Hr	FT Rating — 2 Hr
L Rating At Ambient — Less Than 1 CFM/ft ²	FH Rating — 2 Hr
L Rating At 400 F — Less Than 1 CFM/ft ²	FTH Rating — 2 Hr
W Rating — Class I (See Table Below)**	L Rating At Ambient — Less Than 5.1 L/s/m ²
	L Rating At 400 F — Less Than 5.1 L/s/m ²



SECTION A-A



Hilti Firestop Systems

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April 30, 2024

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

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

1. Floor Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete.
2. Firestop Device* — Cast in place firestop device with optional accessories including sleeve extension permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions. Top of device cut flush with top surface of floor.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-CID U 2", CFS-CID U 2" CA, CFS-CID U 3", CFS-CID U 4"
3. Nonmetallic Pipe — One nonmetallic pipe to be centered within the firestop system. Pipe to extend min 12 in. (305 mm) above top surface of floor. Pipe to be rigidly supported on both sides of floor assembly. The following type and size of nonmetallic pipes may be used:
 - A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 - B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

The firestop device and non-metallic penetrant shall be sized as follows:

Nom Pipe Diameter	Firestop Device
1-1/4 to 2 in. (32 to 51 mm)	CFS-CID U 2", CFS-CID U 2" CA
2- to 3 in. (51 to 76 mm)	CFS-CID U 3"
3 to 4 in. (76 to 102 mm)	CFS-CID U 4"

**When W-rating is required — When nominal pipe diameter matches device size, pipe may be installed in any orientation. When nominal pipe diameter is smaller than device size, pipe must be installed from the bottom

4. Compression Coupling — Nonmetallic pipe (Item 3) to be secured to metallic pipe (Item 5) with compression type high pressure pipe coupling with elastomeric gasket and a stainless steel jacket with stainless steel band clamps.
5. Metallic Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) cast or ductile iron pipe. Pipe to be rigidly supported.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.