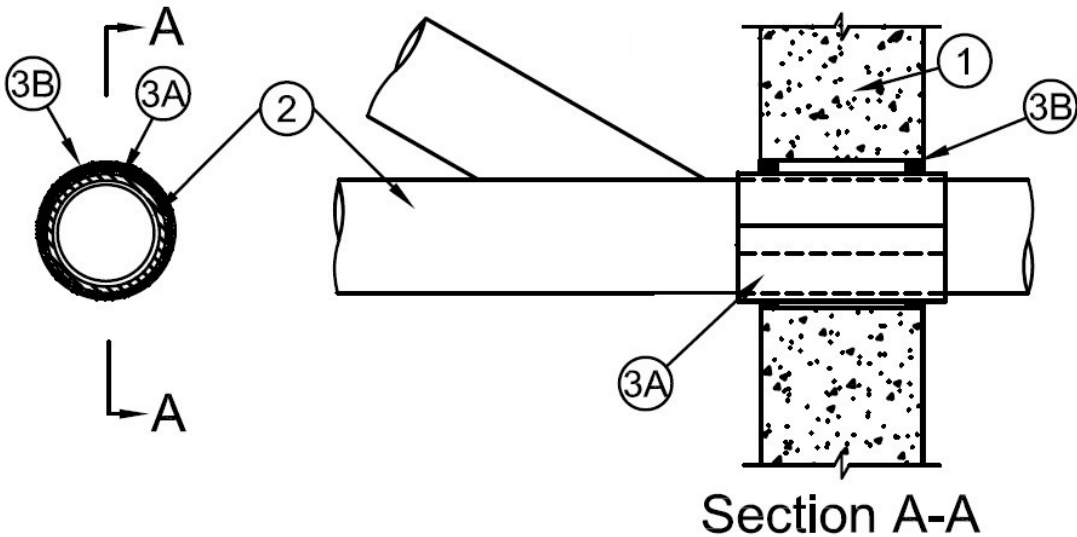


June 6, 2025

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0 Hr (See Item 1)	FT Ratings — 0 Hr (See Item 1)
L Rating at Ambient — Less Than 1 CFM/ft²	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400°F — Less Than 1 CFM/ft²	FTH Ratings — 0 Hr (See Item 1)
	L Rating at Ambient — Less Than 5.1 L/s/m²
	L Rating at 204°C — Less Than 5.1 L/s/m²



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. **Wall Assembly** — Min 6 in. (152 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks**®. Max diam of opening is 8 in. (203 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 eccentrically or concentrically within the firestop system. The annular space shall be min 1/2 in. (13 mm) to max 1-1/8 in. (29 mm) pipe to be rigidly supported on both sides of wall assembly. The following pipe types and sizes can be used:

A. Polyvinyl Chloride (PVC or uPVC) Pipe — Nom 6 in. (152 mm) diam Schedule 40 or SDR41 cellular or solid core PVC or uPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 6 in. (152 mm) diam (or smaller) SDR11 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 6 in. (152 mm) diam (or smaller) FLOWGUARD GOLD® SDR11 CPVC for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

D. Polyvinyl Chloride-XFR (PVC-XFR) Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 solid core PVC-XFR pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

2A. Pipe fittings — One nom 6 in. (152 mm) diam (or smaller) Schedule 40 PVC Wye, 45-degree, 90-degree, Tee, or Double Wye Hub fitting with pipe connections (matched to penetrant diameter). The PVC Fitting is secured to penetrant (Item 2) with pipe manufacture compatible glue/cement or compression type pipe coupling for use in vented (drain, waste or vent) pipe systems. Installed pipe fitting (Item 2a) coupling location to be installed recessed into the wall assembly on one side only. The coupling to extend a nominal 2 in. (51 mm) beyond the surface of the wall and be completely covered by firestop device (Item 3A).

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

A. Firestop Device — Galv steel sleeve lined with an intumescent material sized to fit the specific diam. of the through penetrant. Device to be installed in accordance with the manufacturer's installation instructions along with the following: Device to be wrapped around outer circumference of through penetrant and installed through the annular space of the opening. The device should be secured by means of tie wires or hose clamps around the outer circumference of through penetrant to allow for installation of the fill material (Item 3B). The device shall be centered within the wall and extend equally beyond each surface of the wall.

RECTORSEAL — [Metacaulk Intumescent Sleeve](#)

B. Fill, Void or Cavity Material* (Not Shown) — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied with in the annulus, flush with both surfaces of wall.

RECTORSEAL — [Metacaulk 150+](#), [Metacaulk 1000](#), [Metacaulk 1200](#)

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