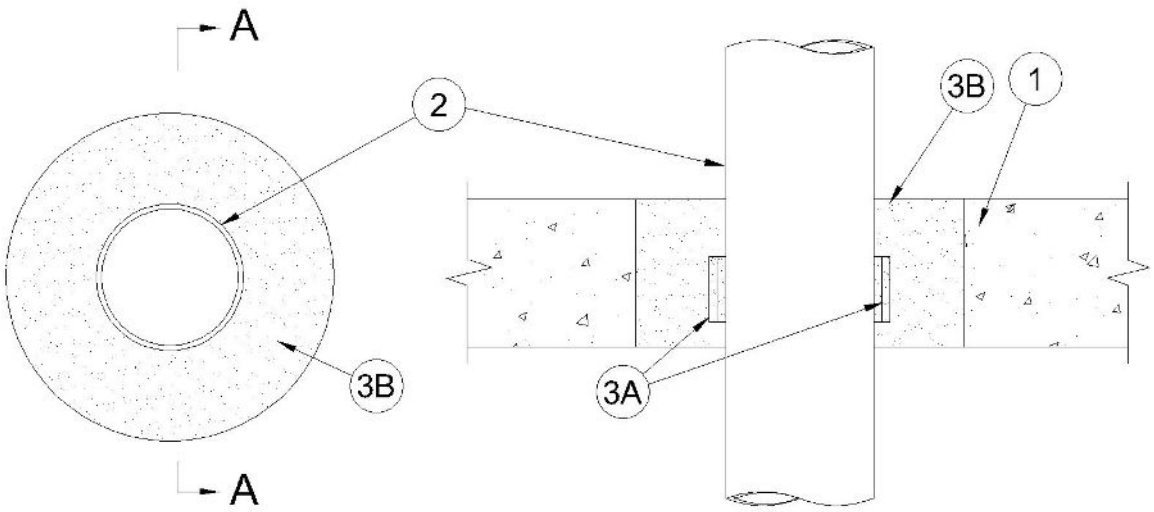
July 25, 2024

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
	L Rating At Ambient — Less Than 5.1 L/s/m^2
	L Rating At 204°C— Less Than 5.1 L/s/m^2



SECTION A-A

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.

1. **Floor or Wall Assembly —**Min 4-1/2 in. (114 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. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow core Precast Concrete Units*. Max diam of opening is 10 in. (254 mm). When hollow core Precast concrete

is used the max diam of opening is 7 in. (178mm).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants —** One nonmetallic pipe or conduit to be installed concentrically within the firestop system. The annular space between pipe and periphery of opening shall be Nominal 2-3/4 in. (70 mm). Pipe to be rigidly supported on both sides of floor or wall. The following types and sizes of nonmetallic pipes or conduits may be used:

A. **Polyvinyl Chloride (PVC or uPVC) Pipe —** Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC or uPVC 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) SDR13.5 CPVC pipe for use in closed (process or supply) piping system.

C. **Polyvinyl Chloride-XFR (PVC-XFR) Pipe**— Nom 4 in. (102 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.

D. **Rigid Nonmetallic Conduit+ —**Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA 70).

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

A. **Fill, Void or Cavity Materials* —**Two layers Nom 2 mm thick by 3 in. (76 mm) wide intumescent joint strip. Strips tightly wrapped continuously around the outer circumference of the pipe with ends held in place with tape. Joint strip slid into the annular space with the bottom edge of the joint strip recessed 3/4 in. (19 mm) from bottom surface of floor or both surfaces of wall.

RECTORSEAL — Metacaulk Joint Strip

B. **Forms —**(Not Shown) — Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, cut to fit the contour of the penetrating item and fastened to the underside of floor or both sides of wall. Forms to be removed after fill material has cured.

C. **Fill, Void or Cavity Material* — Mortar —**Min 4-1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Fill material is mixed at a rate of 2-1/2 parts dry mix to one part water by volume in accordance with the fill material manufacturer's installation instruction.

RECTORSEAL — Metacaulk Fire Rated Mortar