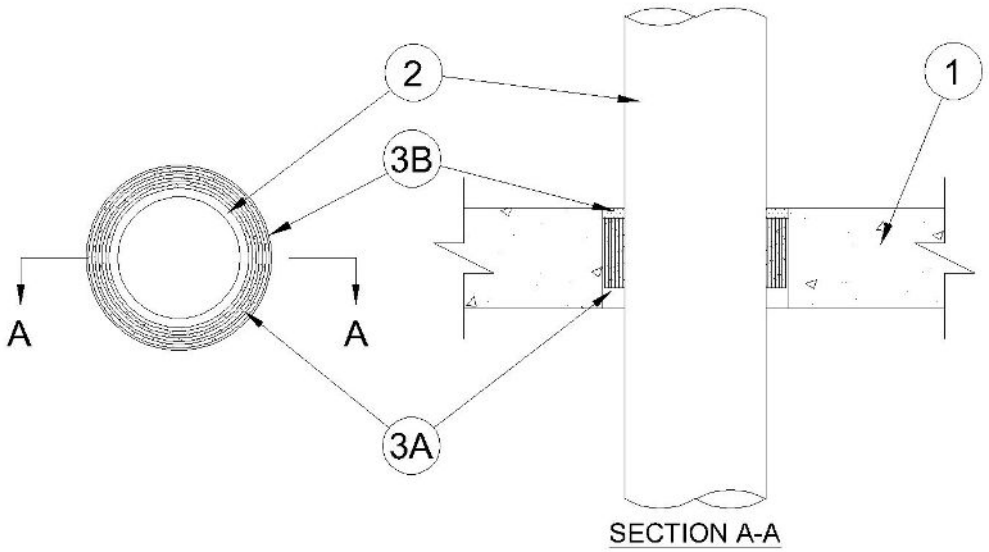
September 23, 2025

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 1 (See Item 3B)	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 Min. 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Max. diam of opening is 10 in. (254 mm)

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

1A. **Metallic Sleeve —** Required for use with Hollow concrete blocks or hollow core Precast Concrete Units, optional for solid concrete block or solid concrete wall construction. Nom. 10 in (254 mm) diam (or smaller) cylindrical sleeve fabricated from min. 0.016 in (0.41 mm) thick (No. 30 gauge) galv. sheet steel and having a Min. 1 in. (25 mm) lap along longitudinal seam. The sleeve is secure in position by friction fit. Length of sleeve to be installed flush with wall and floor surfaces.

2. **Through Penetrants —** One nonmetallic pipe or conduit to be installed concentrically or eccentrically within the firestop system. Annular space within the firestop system is dependent upon the max diam and type of penetrant as shown in Table 1. 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 8 in. (203 mm) diam Schedule 40 or SDR 41 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 8 in. (203 mm) diam Schedule 40 or SDR13.5 CPVC pipe for use in closed (process or supply) piping system.

C. **Rigid Nonmetallic Conduit+ —**Nom 8 in. (203 mm) diam 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 Material* —** Nom 1/16 in. (2 mm) thick by 3 in. (76 mm) wide intumescent joint strip tightly wrapped continuously around the outer circumference of the pipe and held in place with tape (See Table 1 for proper number of layers). 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 1-1/2 in. (38 mm) from both surfaces of wall.

RECTORSEAL — Metacaulk Joint 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 with both surfaces of wall assembly. **W Rating applies only when Metacaulk 1000 and Metacaulk 1200 is used.**

RECTORSEAL — Metacaulk 1000, Metacaulk 150+, Metacaulk 1200, Metacaulk 350i

Table 1:

Penetrant Item	Nom Diam of Pipe in. (mm)	No. of layers	Min Annular Space in. (mm)	Max Annular Space in. (mm)	Max Opening Diam In. (mm)	Sealant Thickness In. (mm)
A	8 (203)	8	5/8 (16)	3/4 (19)	10 (254)	3/4 (19)
A	6 (152)	6	5/8 (16)	3/4 (19)	8 (203)	1/4 (6)

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