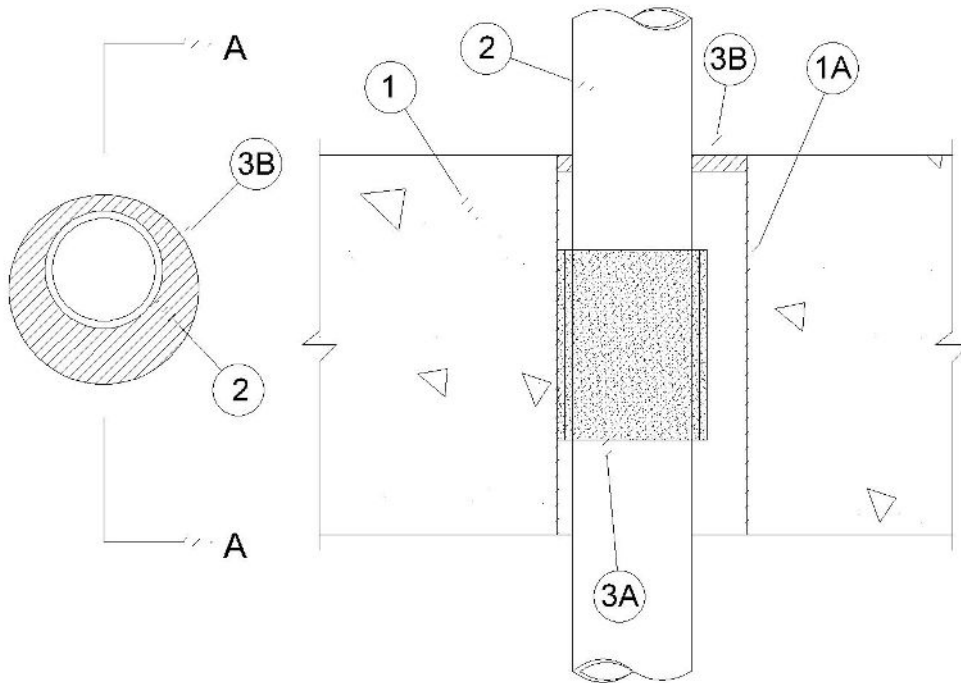


December 22, 2023

CAN/ULC S115	
F Rating	— 2 Hr
FT Rating	— 0 Hr
FH Rating	— 2 Hr
FTH Rating	— 0 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



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 shall be 7 in. (178 in.)

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

1A. **Metallic Sleeve** — Required for use with Concrete Blocks or hollow core Precast Concrete Units, optional for solid block or solid wall construction. Nom 7 in. (178 mm) Diam (or smaller) cylindrical sleeve fabricated from min 0.018 in. (0.46 mm) thick (28 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along longitudinal seam. Length of sleeve to be installed flush with wall surfaces.

2. **Through Penetrant** — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space between penetrant and opening shall be Min 1/16 in. (2 mm) to Max 3/8 in. (10 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. **Polyvinyl Chloride (PVC) Pipe** — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 cellular or solid core PVC 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) SDR 17 CPVC pipe for use in closed (process or supply) piping systems.

C. **Rigid Nonmetallic Conduit+** — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA 70).

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

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

A. **Fill, Void or Cavity Materials*** — One or two layers of Nom 2 mm thick by 3 in. (76 mm) wide intumescent joint strip (See Table 1). Strips tightly wrapped around the outer circumference of the pipe with ends butted and held in place with tape. Joint strip slid into the annular space with the bottom edge of the joint strip recessed 3/4 in. (18 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* — Caulk** — Min 1/4in. (6 mm) or 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall assembly. ****When penetrant is nom. 6 in. (152 mm) diameter, 1/2 in. (13 mm) depth [Metacaulk 1000](#) should be applied.**

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

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, B, C, D	3(76)	1	1/16 (3.2)	3/8 (10)	4(102)	1/4 (6)
A, B, C, D	4 (102)	2	3/16 (4.8)	3/8 (10)	5(127)	1/4 (6)
A, B, C, D	**6 (152)	2	1/4 (6)	1/4 (6)	7(178)	1/2 (13)

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