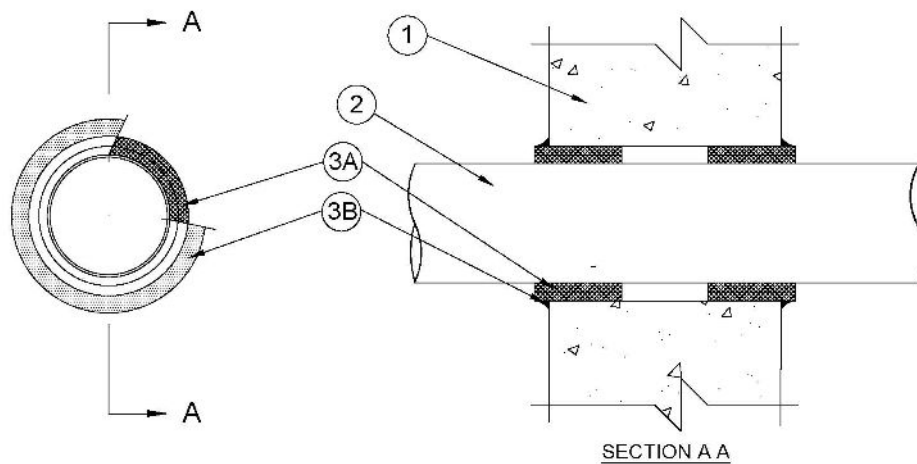
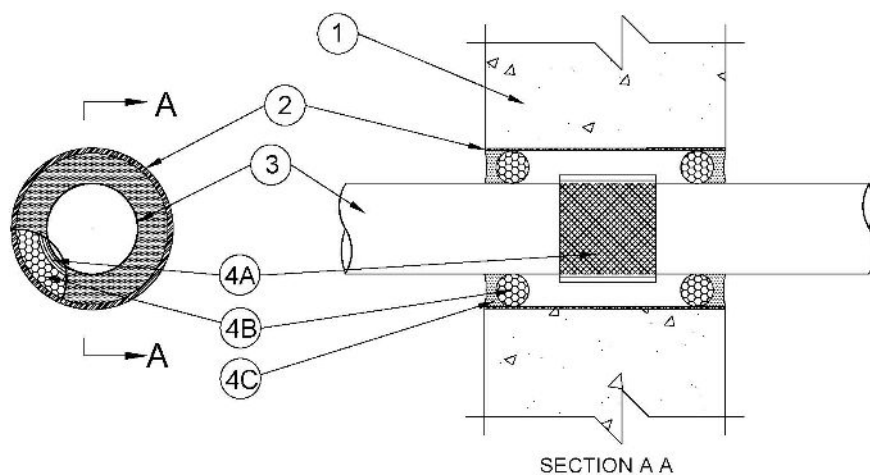


October 21, 2025

CAN/ULC S115
F Rating — 2 Hr
FT Rating — 0 H
FH Rating — 0 Hr
FTH Rating — 0 Hr
L Rating At Ambient — Less Than 5.1 L/s/m² (See Config B Item 4C)
L Rating At 204°C — Less Than 5.1 L/s/m² (See Config B Item 4C)



CONFIGURATION A-A



CONFIGURATION B-B

System (Configurations A & B) tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side. (See Item 2)

1. Wall Assembly — Min 152 mm (6 in) thick reinforced lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete. Wall may also be constructed of any solid or filled UL Classified Concrete Blocks* Max diameter of opening is 197 mm (7-3/4 in.). The max diam of the opening is dependent upon max diam and type of penetrant, and annular space within the firestop system.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

Configuration A

2. Through Penetrant — One nonmetallic penetrant centered in the firestop system. The annular space between the penetrant and the periphery of opening is dependent upon the diam of the penetrant as shown in Item 3A. Penetrant to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic penetrants may be used:

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

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

C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 152 mm (6 in.) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

D. Polyvinyl Chloride-XFR (PVC-XFR) Pipe — Nom 152 mm (6 in.) 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* — Nom 2 mm (1/16 in.) thick by 76 mm (3 in.) wide intumescent joint strip tightly wrapped continuously around the outer circumference of the pipe and held in place with tape. Joint strip slid into the annular space on both sides of wall with the outer edges of the joint strip extending 13 mm (1/2 in.) from both surfaces of wall. The max diam of opening, max diam and type of penetrant, annular space within the firestop system and layers of wrap strip required as shown below:

Nom Diam of Pipe mm (in.)	Nom Annular Space mm (in.)	Max Diam Opening mm (in.)	No. of Joint Strip Layers
51 (2)	8 (5/16)	76 (3)	2
102 (4)	13 (1/2)	140 (5-1/2)	4
152 (6)	14 (9/16)	197 (7-3/4)	6

RECTORSEAL — [Metacaulk Joint Strip](#)

B. Fill, Void or Cavity Material+ — Caulk — Min 6 mm (1/4) thickness of fill material applied at the joint strip/wall interface on both sides of the wall assembly.

RECTORSEAL — [Metacaulk 1000](#), [Metacaulk 350i](#), [Metacaulk 150+](#), [Metacaulk 1200](#)

Configuration B

2. Metallic Sleeve — Nom 152 mm (6 in.) (or smaller) cylindrical sleeve fabricated from min 0.41 mm (0.016 in.) thick (No. 30 gauge) galv sheet steel and having a min 25 mm (1 in.) lap along longitudinal seam. Length of sleeve to be installed flush or extended min 25 mm (1 in.) out on both sides of the wall surfaces.

3. Through Penetrants — One nonmetallic penetrant to be installed concentrically within the firestop system. Annular space shall be a min 13 mm (1/2 in.) to a max 95 mm (3-3/4 in.) Penetrant to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic penetrants may be used, Max diam of opening is 197 mm (7-3/4 in.)

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

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 102 mm (4 in.) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

C. Polyvinyl Chloride-XFR (PVC-XFR) Pipe — Nom 102 mm (4 in.) 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 102 mm (4 in.) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).

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

A. Fill, Void or Cavity Materials* — Four layers of nom 2 mm (1/16 in.) thick by 76 mm (3 in.) wide intumescent joint strip. Strips tightly wrapped continuously around the outer circumference of the penetrant with ends butted and held in place with tape. Joint strip slid into the annular space and centered in depth of wall. The edge of the joint strip recessed min 16 mm (5/8 in.) from both surfaces of wall.

RECTORSEAL — [Metacaulk Joint Strip](#)

B. Packing Material — Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from wall surfaces as required to accommodate the required thickness of fill material.

C. Fill, Void or Cavity Material — Sealant/Caulk (Optional)— Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with both surfaces of wall.

L Rating applies only when sealant is used on one or both sides of the wall surface.

RECTORSEAL — [Metacaulk 1000](#), [Metacaulk 350i](#), [Metacaulk 150+](#), [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.