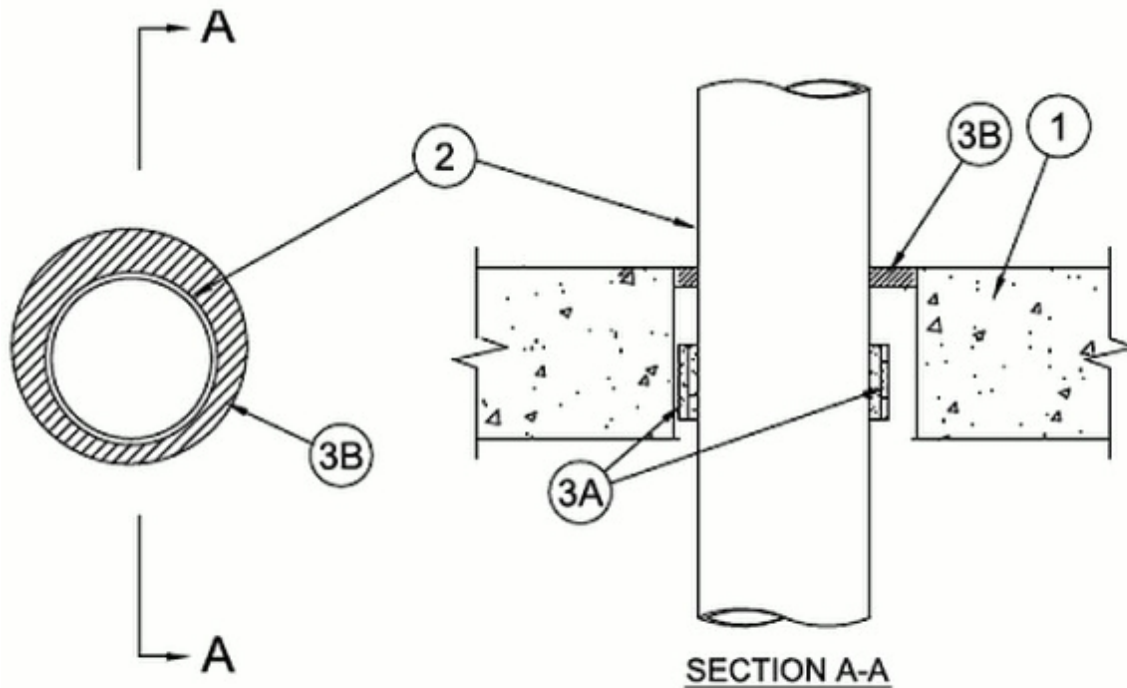


System No. C-AJ-2679

October 11, 2017

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr



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 6 in. (152 mm).

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

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 3/8 in. (9.5 mm) to max 3/4 in. (19 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 4 in. (102 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 4 in. (102 mm) diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems.

C. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

D. Rigid Nonmetallic Conduit+ — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA 70).

E. Crosslinked Polyethylene (PEX) Tubing — Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems.

F. Flame Retardant Polypropylene (FRPP) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 FRPP 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 thick by 3 in. (76 mm) wide intumescent joint strip 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 1/2 in. (13 mm) from bottom surface of floor or both surfaces of wall. Four layers are to be used for nom 4 in. (102 mm) diam pipe, three layers for nom 3 in. (76 mm) diam pipe, and two layers for nom 2 in. (51 mm) diam pipe.

RECTORSEAL — Metacaulk, Flame Safe Joint Strip, Biostop Joint Strip

B. Fill, Void or Cavity Material* — Caulk — Min 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 FRPP penetrant (Item 2E) and/or hollow core floor is used, sealant to be applied flush with top and bottom of floor.

RECTORSEAL — Metacaulk 1000, Metacaulk 350i, Biostop 500+, Biostop 350i.

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