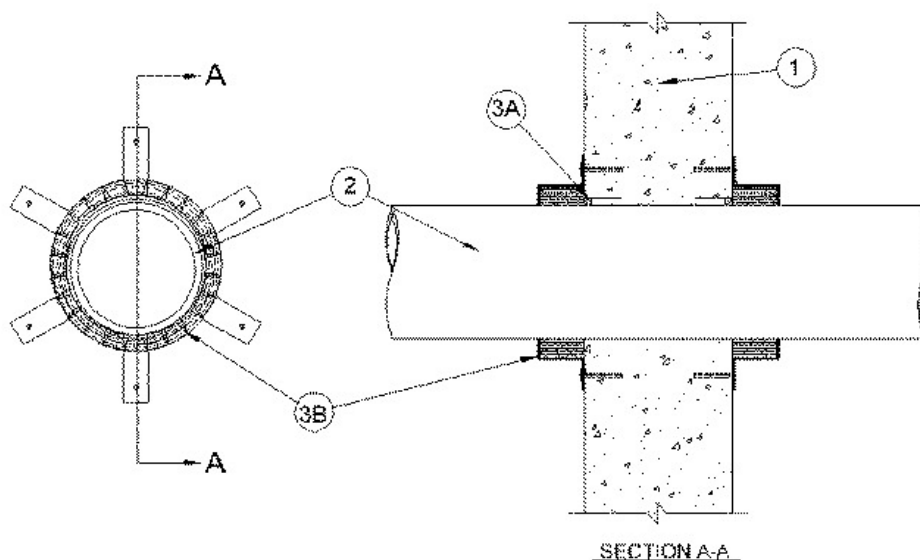


F Rating — 2 Hr
FT Rating — 2 Hr
FH Rating — 2 Hr
FTH Rating — 2 Hr



System tested with a pressure differential of 50 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. thick reinforced lightweight or normal weight 1600-2400 kg/m³ (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 178 mm (7 in.). See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrant** — One nonmetallic pipe to be installed either eccentrically or concentrically within the firestop system. The annular space shall be min 0 mm (point contact) to max 10 mm (3/8 in.) Pipe or tube to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes may be used:

A. **Polyvinyl Chloride (PVC) Pipe** — Nom 102 mm (6 in.) 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 systems.

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 102 mm (6 in.) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

C. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 152 mm (6 in.) 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.

3. **Firestop Device*** — Galv steel collar lined with an intumescent material sized to fit specific diam of the through penetrant. Device to be installed around through penetrant in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to underside of the concrete floor by means of min 6 mm (1/4 in.) diam by 32 mm (1-1/4 in.) long steel expansion bolts or steel Tapcons® concrete anchors in conjunction with min 8 mm (5/16 in.) by 19 mm (3/4 in.) diam washers. Device secured at each tab. Collars are installed on each side of wall.

RECTORSEAL — [Metacaulk Pipe Collar](#)

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

RECTORSEAL — [Metacaulk 1000](#)

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

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