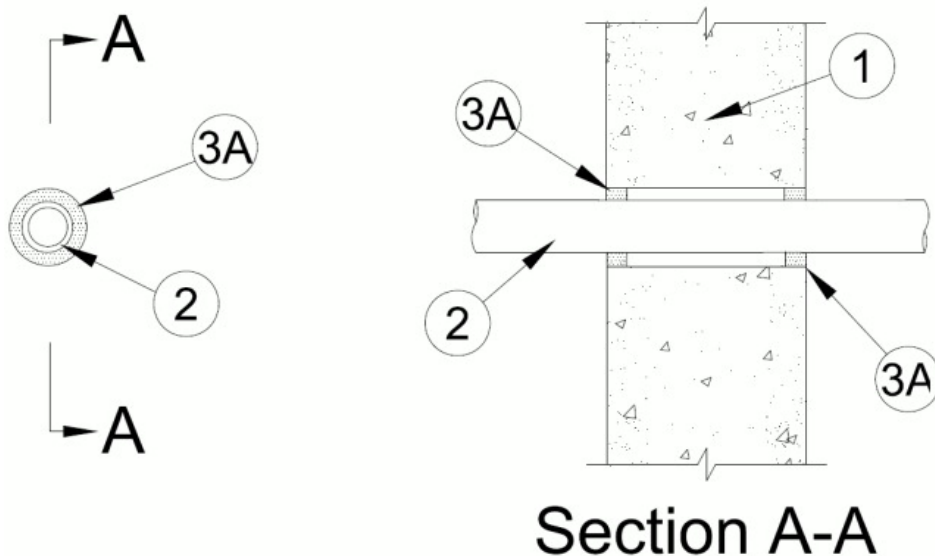


F Rating — 2 Hr
FT Rating — 0 Hr
FH Rating — 0 Hr
FTH Rating — 0 Hr



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. **Wall Assembly** — Min 152 mm (6 in.) thick lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Diam of opening shall be nom 39 mm (1-1/2 in.) larger than OD of through penetrant. Max diam of opening is 102 mm (4 in.).

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

2. **Through Penetrants** — One nonmetallic pipe to be installed within the firestop system. The annular space between the pipe and periphery of opening shall be min 13 mm (1/2 in.) to max 25 mm (1 in.) Pipe to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. **Polypropylene (PP-R) Pipe** — Nom 2 in. diam - 63 mm OD (or smaller) SDR 11 and SDR 7.4 MF Aquatherm Blue Pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. **Polypropylene (PP-R) Pipe** — Nom 2 in. diam - 63 mm OD (or smaller) SDR 11 and SDR 7.4 MF Aquatherm Green 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 Material* - Sealant** — Min 16 mm (5/8 in.) thickness of fill material applied within the annulus, flush with both surfaces of wall.

RECTORSEAL — [Metacaulk 1000](#), Biostop 500+, FlameSafe 1900

*,+ 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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