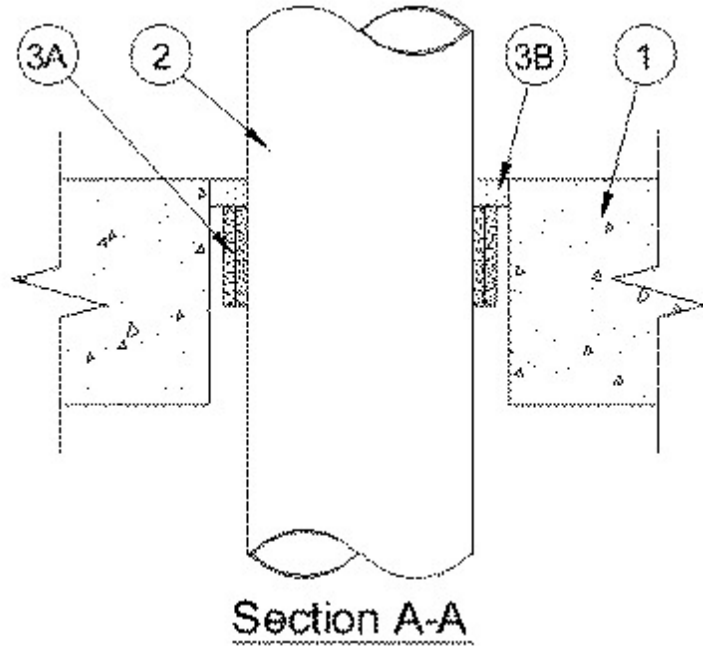
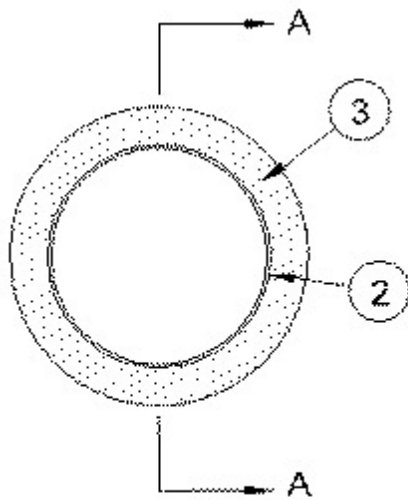




System No. F-A-2017

May 19, 2014

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T 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 Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Max diam of opening 6 in. (152 mm).

2. **Nonmetallic Pipe** — Nom 4 in. (102 mm) diam (or smaller) Sch 40 Polyvinyl Chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system. Pipe may be coated with an intumescent formulation with an average outside pipe diam not to exceed 4-1/2 in. (114 mm). One pipe to be installed concentrically within the firestop system. The annular space shall be a max 3/4 in. (19 mm). Pipe to be rigidly supported on both sides of the floor assembly.

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

A. **Fill, Void or Cavity Material*** — **Wrap Strip** — Nom 1/4 in. (6 mm) thick by 2 in. (51 mm) wide intumescent wrap strip. Two layers of wrap strip wrapped around the through penetrant with ends butted and held in place with masking tape. Wrap strip recessed 1/2 in. (13 mm) from top surface of floor.

RECTORSEAL — Metacaulk Wrap Strip

B. **Fill, Void or Cavity Materials*** — **Caulk** — Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor.

RECTORSEAL — Metacaulk 1000 or Metacaulk 350i

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