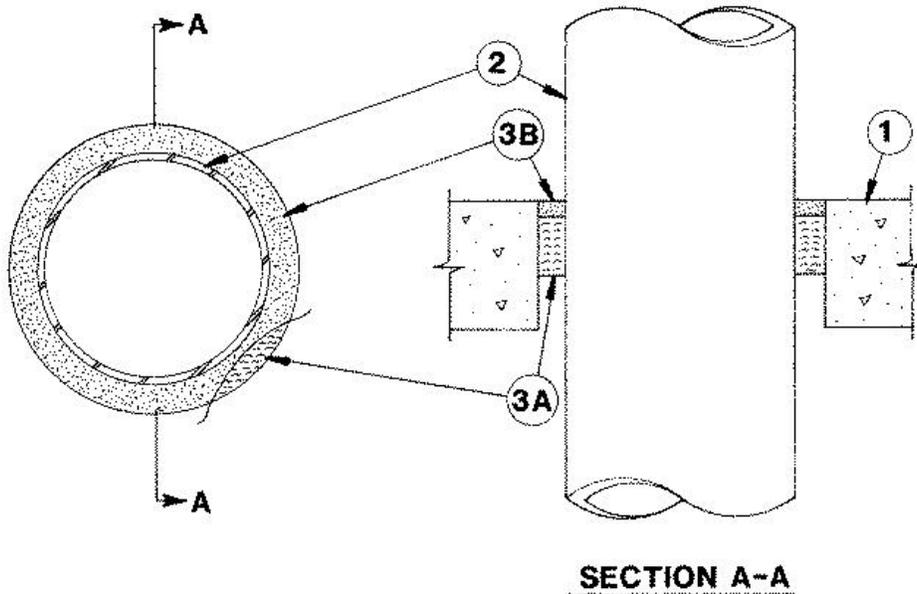


ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 3 Hr
	FTH Rating — 0 Hr



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight concrete (100-**150** pcf or 1600-2400 kg/m³) floor or wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 10 in. (254 mm). See **Concrete Block** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Metallic Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. One pipe shall be installed in through-opening. Annular space between pipe and periphery of through-opening is dependent upon the diam of the pipe. If the nom diam of the pipe is 6 in. (152 mm) or smaller, annular space shall range from a min of 3/16 in. (5.9 mm) to a max of 11/16 in. (17 mm). If the nom diam of the pipe is greater than 6 in. (152 mm), annular space shall be 11/16 in. (17 mm). Pipe shall be rigidly supported on both sides of floor or wall assembly.

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

A. Packing Material — Min 2 in. (51 mm) thickness of min 4 pcf (64kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with top surface of floor or with both surfaces of wall.

RECTORSEAL — Types **FS900**, FS901, FS903, FS903CG, FS905, FS905CG, FS929, FST901, FST903, FST905, **Metacaulk 150+**

*,+ 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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