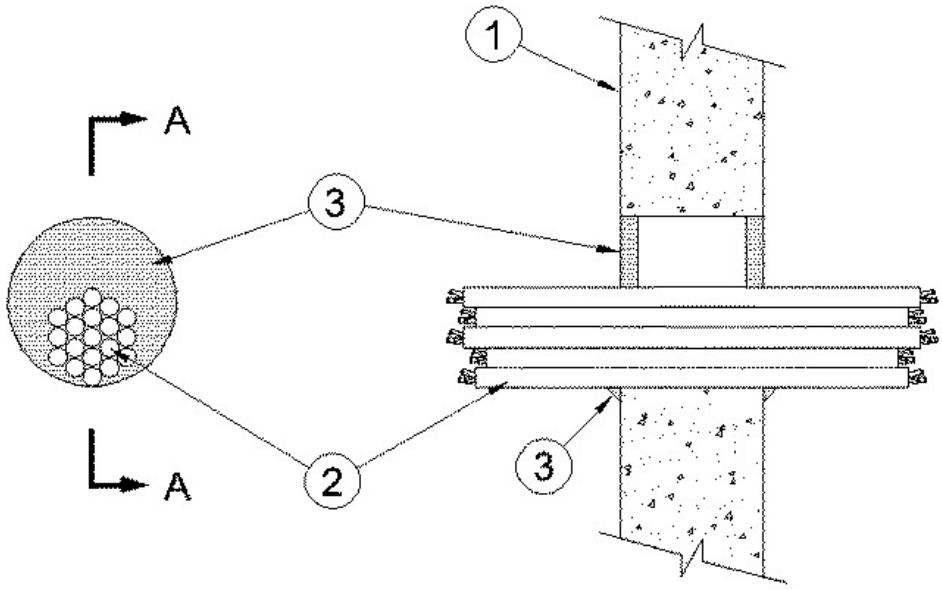
ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr



SECTION 'A-A'

1. **Wall Assembly —** Min 6 in. (152 mm) thick normal weight or lightweight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 4 in. (102 mm).

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

2. **Cables —** Max 2-3/4 in. (70 mm) diam tight bundle of cables to be installed either concentrically or eccentrically within the opening. Aggregate cross-sectional area of cables in opening to be max 41 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of opening shall be min 0 in. (0 mm, point contact) to max 1-1/4 in. (32 mm). Any combination of the following types and sizes of cables may be used:

A. Max 3/C with ground No. 12 AWG (or smaller) copper conductor cable (12-3 Romex) with polyvinyl chloride (PVC) insulation and jacket.

B. Max RG/6 No. 18 AWG Type CATV copper conductor coaxial cable with PVC insulation and jacket.

C. Max 1/C - 350 kcmil (or smaller) cable with PVC or cross-linked polyethylene (XLPE) insulation and jacket.

D. Max 400 pair - No. 24 AWG copper telephone cables, with PVC insulation and jacket.

E. Max 1/C - 350 kcmil (or smaller) cable with XLPE or PVC insulation and jacket.

F. Max 4/C No. 2/0 (or smaller) aluminum or copper conductor, aluminum or steel jacketed Metal-Clad or Armored-Clad Cable+.

G. Max 3/C (with ground) No. 2/0 AWG aluminum conductor service entrance cable with PVC insulation and jacket.

H. Max 24 fiber 62.5/125 fiber optic cable with PVC insulation and jacket.

3. **Fill, Void, or Cavity Materials* - Sealant —** Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with each surface of wall. The sealant is also applied to fill all the interstices between the cables, prior to securing the bundle together, at both surfaces of wall. Additional sealant to be applied such that a min 3/8 in. (10 mm) bead is formed, at the point of contact of cable bundle and wall, on both surfaces of wall.

RECTORSEAL — FlameSafe® FS1900, Metacaulk 1000, Metacaulk 350i, Biostop 350i or Biostop 500+

*,+ 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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