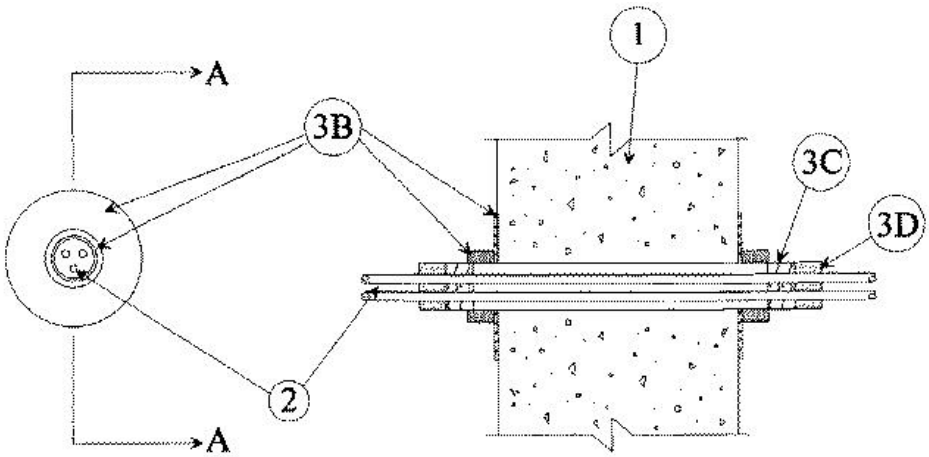
ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Rating - 2 Hr
	FTH Rating - 0 Hr



SECTION A-A

1. **Wall Assembly —** Min 5 in. thick reinforced lightweight or normal weight (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 4-1/2 in.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Cables —** Aggregate cross-sectional area of cables in firestop device to be 36 percent of the aggregate cross-sectional area of device. Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:

A. Max 300 kcmil single conductor Type MTW, THHN, THWN or AWM power cables; cross-linked polyethylene (XLPE) insulation.

B. Max 4 pair No. 24 AWG telephone cable intended for plenum applications.

C. Max 3/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.

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

A. **Fill, Void or Cavity Material* — Caulk —** (Not Shown) Min 3/8 in. (9.5 mm) diam of caulk applied around the perimeter of the opening on each side of the wall.
RECTORSEAL — Metacaulk 1000

B. **Firestop Device —** Smooth steel sleeve device incorporating flat washers secured by sliding compression couplers. Device shall be installed in accordance with the accompanying installation instructions. Device provided in nom 1, 2 and 4 in. sizes (25, 51, 102 mm). Max diam of opening in wall for 1, 2 and 4 in. (25, 51, 102 mm) sizes are 1-1/8, 2-1/4 and 4-1/2 in., (29, 57, 114 mm) respectively.
UNIQUE FIRE STOP PRODUCTS INC — Smooth Firestop

C. **Packing Material —** Min 1 in. (25 mm) thickness of min 4.0 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into firestop device as a permanent form. Packing material to be recessed from each end of firestop device as required to accommodate the required thickness of fill material.

D. **Fill, Void or Cavity Material* — Putty —** Min 1 in. thickness of fill material applied within the firestop device, flush with both ends.

RECTORSEAL — Metacaulk Fire Rated Putty

*,+ 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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