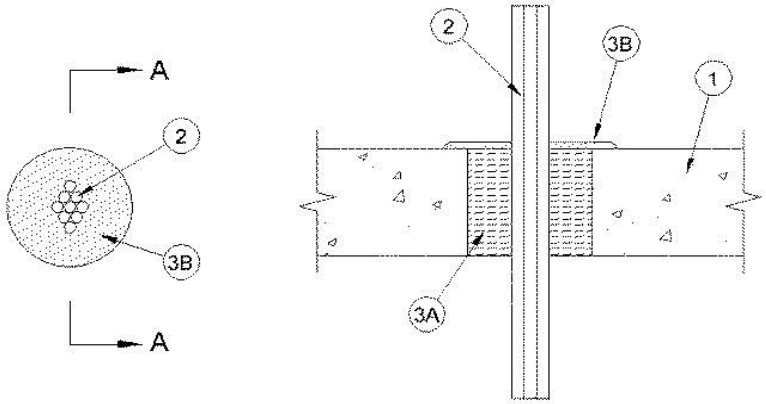
Through-penetration Firestop Systems

System No. C-AJ-3249

November 07, 2008

F Rating — 2 Hr

T Rating — 2 Hr



Section A-A

1. **Floor or Wall Assembly —** Min 4-1/2 in. (114 mm) 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 5 in. (127 mm).

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

2. **Cables —** Aggregate cross-sectional area of cables in opening to be max 2 percent of the cross-sectional area of the opening. Cable bundle to be centered within opening and rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of cables may be used:

A. Max 2/C No. 18 AWG with polyvinyl chloride (PVC) insulation and jacket materials.
B. Max 4 pair No. 24 AWG telephone cable with PVC insulation and jacket materials.
C. Max RG/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacket materials.
D. Max 3/C (with ground) No. 14 AWG (or smaller) nonmetallic sheathed (Romex) cable with PVC insulation and jacket materials.

3. **Firestop System —** The details of the firestop system shall be as follows:

A. **Fill, Void or Cavity Materials* - Foam —** Min 4-1/2 in. (114 mm) thickness of fill material within the annulus, flush with top surface of floor or with both surfaces of wall.

ACCUMETRIC L L C — Boss 813 FR Expanding Foam

B. **Fill, Void or Cavity Materials* - Sealant —** Min 1/4 in. (6 mm) thickness of fill material applied over foam (Item 3B) on top surface of floor or on both surfaces of wall. Fill material shall overlap a min of 1 in. (25 mm) beyond periphery of opening on top surface of floor or on both surfaces of wall.

ACCUMETRIC L L C — Boss 136 or 139 Sealant

*Bearing the UL Classification Mark