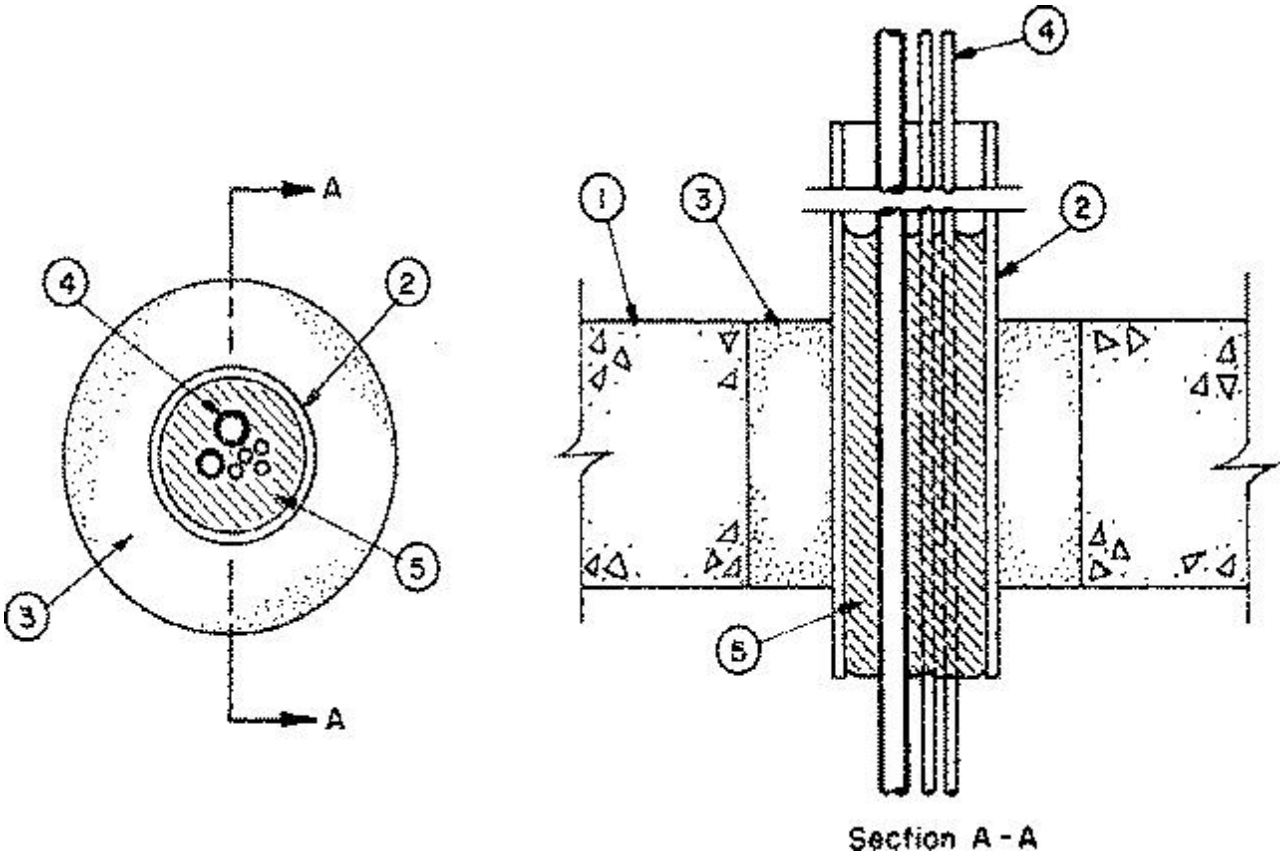
System No. C-BJ-3003

September 14, 2002

(Formerly System No. 43)

F Rating — 3 Hr

T Rating — 3 Hr



Section A - A

1. **Floor or Wall Assembly —** Min 6-1/2 in. thick reinforced normal weight (140-155 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max diam of opening is 10 in.

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

2. **Nonmetallic Sleeve —** Nom 4 in. diam Schedule 40 polyvinyl chloride pipe, min 20 in. long. Sleeve installed with min 2 in. projecting below floor and with 11 in. projecting above floor. Sleeve installed symmetrically in wall assemblies. A nom annular space of 2 in. is required within the firestop system. Sleeve to be rigidly supported on both sides of floor or wall assembly.

3. **Fill, Void or Cavity Material* — Mortar —** Min 6-1/2 in. thickness of fill material applied within annulus surrounding nonmetallic sleeve flush with both sides of floor or wall assembly. Mortar material supplied as a dry powder, mixed with water and pumped or poured into the annular space. Removable rigid sheet material forms cut to fit the contour of the sleeve to be used beneath floor and on both sides of wall to prevent leakage during placement.

RECTORSEAL — Bio K10+ Mortar

4. **Cables —** Aggregate cross-sectional area of cables in sleeve to be max 17 percent of the aggregate cross-sectional area of sleeve. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:

A. Max 500 kcmil single-conductor power cables; ethylene propylene insulation, chlorosulfonated polyethylene or neoprene jacket.

B. Max 24 pair No. 20 AWG telephone cable; polyvinyl chloride (PVC) insulation and jacket.

C. Max No. 14 AWG bridle wire; polyvinyl chloride insulation.

5. **Fill, Void or Cavity Materials* — Caulk —** Min 10 in. thickness of fill material applied within sleeve flush with bottom surface of floor. Min 12 in. thickness of fill material applied symmetrically within sleeve in wall assemblies.

RECTORSEAL — Biostop 500 or Biostop 500+ Caulk.

*Bearing the UL Classification Mark