



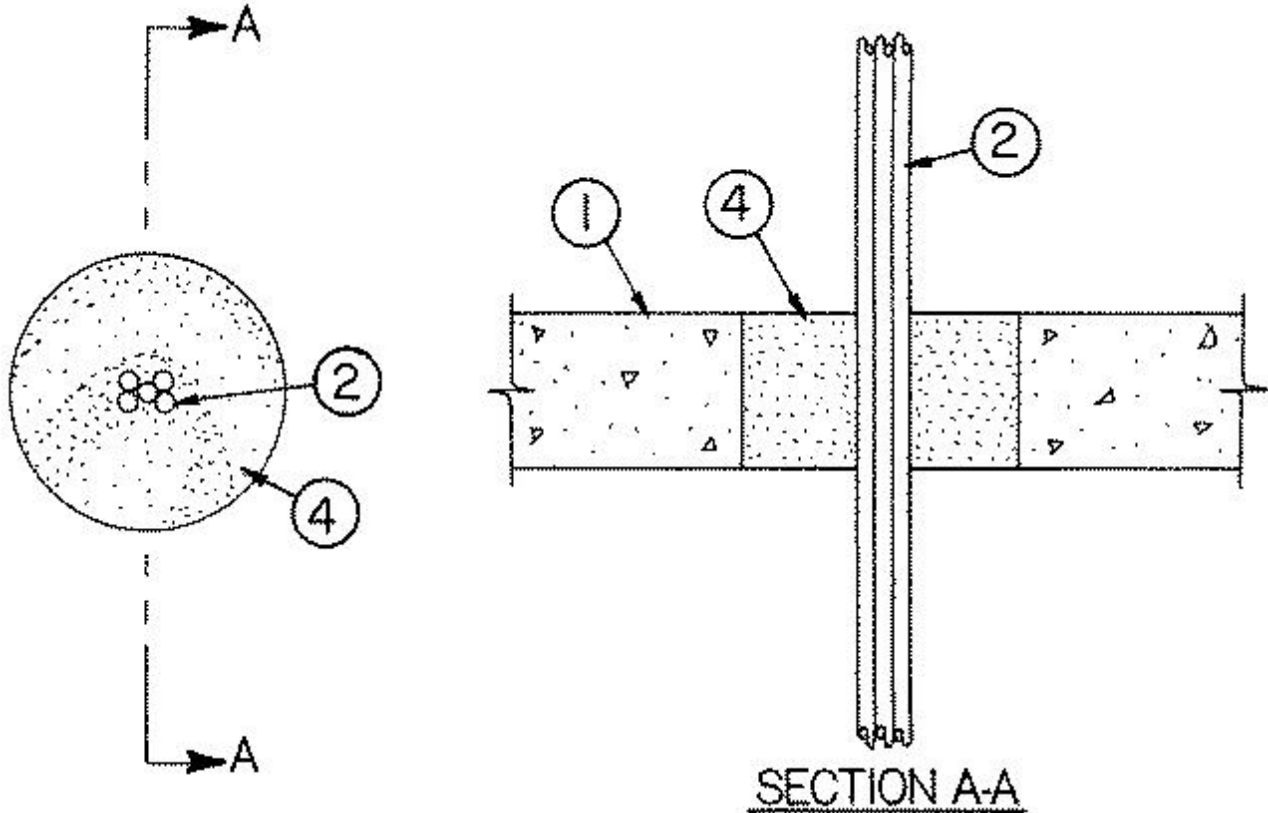
System No. C-AJ-3024

September 14, 2002

(Formerly System No. 250)

F Rating — 3 Hr

T Ratings — 0 and 3 Hr (See Item 2)



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 8 in.

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

2. **Cables** — Individual or bundled cables (max three power cables or max five telephone/fiber optic cables per bundle). Min spacing between individual cables or cable bundles is 6 in. The following types and sizes of cables may be used:

A. Single-conductor max 300 kcmil power cable; polyvinyl chloride (PVC) insulation. **When single-conductor power cable is used, T Rating is 0 hr.**

B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket. **When telephone cable is used, T Rating is 3 hr.**

C. Max 50 conductor fiber optic cable with PVC jacket. **When fiber optic cable is used, T Rating is 3 hr.**

3. **Forms** — (Not Shown) — Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, cut to fit the contour of the penetrating items and fastened to the underside of floor or both sides of wall. As an option in floor assemblies, the forming material may be installed within the through opening such that its top surface is recessed a min of 2 in. from the top surface of the floor. When the top surface of the forming material is less than 4 in. from the top surface of the floor, a square or rectangular "curb" of mortar fill material shall be cast on the top surface of the floor to attain the required overall mortar fill material thickness. The "curb" shall lap a min of 1 in. on the concrete floor on all sides of the through opening. Forms to be removed after fill material has cured.

4. **Fill, Void or Cavity Materials*** — **Mortar** — Min 4 in. thickness of fill material applied within the annulus. Mortar to be forced into interstices of cable group to max extent possible.

RECTORSEAL — Bio K10+ Mortar

*Bearing the UL Classification Mark