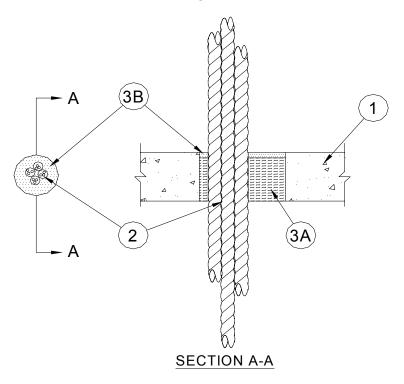
## Through-penetration Firestop Systems UL System No. C-AJ-3273 F Rating - 2 Hr T Rating - 1/2 Hr



1. Floor or Wall Assembly - Min. 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m³)) concrete floor or min. 5 in. (127 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks\*. Floor may also be constructed of any min. 6 in. thick UL Classified hollow-core Precast Concrete Units\*. Max. dia. of opening is 6 in. (152 mm).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrating Products\* - Max. three copper conductor No. 4 AWG (or smaller) aluminum Metal-Clad Cable+. Max. four metal clad cables within the firestop system. Aggregate cross-sectional area of cables in opening to be a max. 20 percent of the aggregate cross-sectional area of the opening. The annular space between the cables and the periphery of opening shall be min. 3/4 in. (19mm) to max. 3-3/16 in. (81 mm). Cables to be rigidly supported on both sides of floor or wall assembly.

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- 3. Firestop System The firestop system shall consist of the following:
  - A. **Packing Material** Min, 4 in. (102 mm) thickness of min, 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall and hollow-core precast concrete unit as required to accommodate the required thickness of fill material.
  - B. **Fill, Void or Cavity Material\* Caulk -** Min, 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall and hollow-core precast concrete unit. Caulk to be forced into interstices of cable group to max extent possible.

A/D FIRE PROTECTION SYSTEMS INC - A/D FIREBARRIER Intumescent Sealant

<sup>+</sup>Bearing the UL Listing Marking

<sup>\*</sup>Bearing the UL Classification Mark