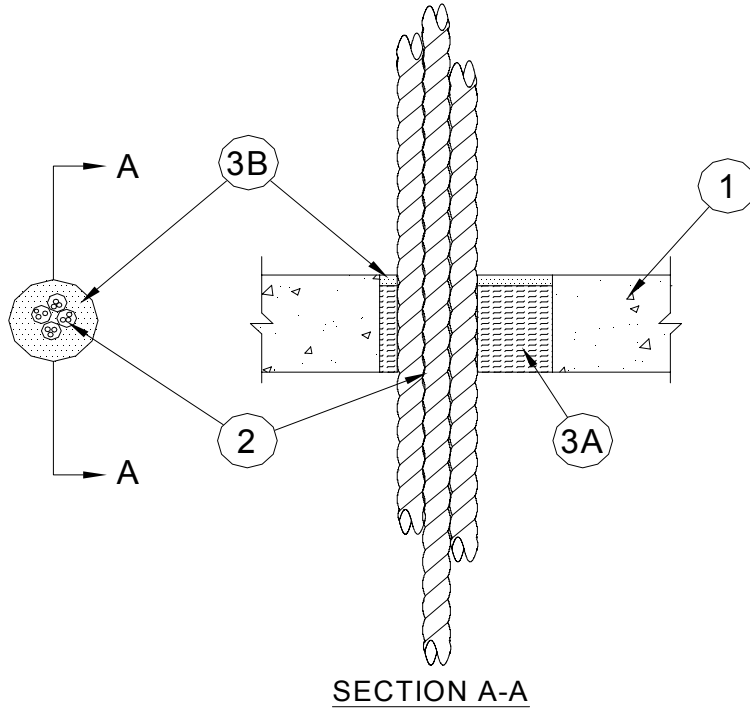


Through-penetration Firestop Systems
UL System No. C-AJ-3273
F Rating - 2 Hr
T Rating - 1/2 Hr



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

+Bearing the UL Listing Marking

*Bearing the UL Classification Mark