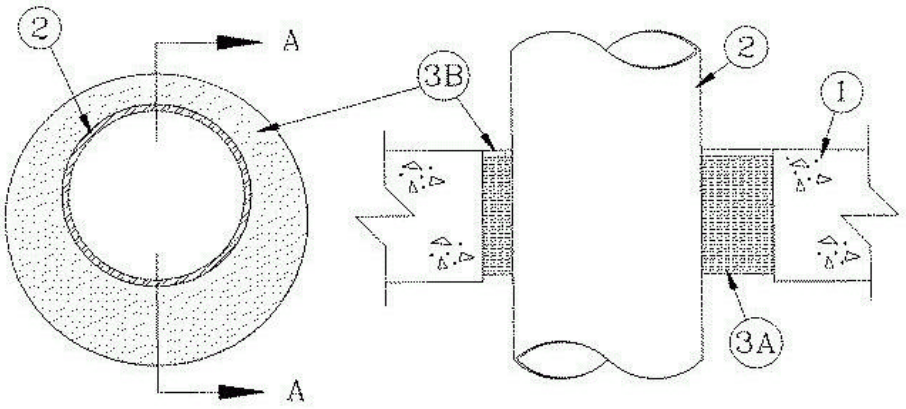
UL System No. C-AJ-1125
December 06, 2001
(Formerly System No. 623)
F Rating — 3 Hr
T Rating — 0 Hr



SECTION A–A

1. **Floor or Wall Assembly** Min 4-1/2 in. thick reinforced normal weight (140-150 pcf) concrete. Floor may also be constructed of any min 6 in. thick UL Classified hollow-core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max dia. of opening is 10 in. If the firestop system is installed within a hollow-core precast concrete unit, max dimension of opening shall be 7 in.

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

2. **Through Penetrants** One metallic pipe, conduit or tubing installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly.

A. **Steel Pipe** Nom. 6 in. dia. (or smaller) Schedule 40 (or heavier) steel pipe. The annular space shall be a min 1 in. to a max of 2-3/8 in.

B. **Conduit** Nom. 6 in. dia. (or smaller) rigid steel conduit. The annular space shall be a min 1 in. to a max of 2-3/8 in.

C. **Copper Tubing** Nom. 3 in. dia. (or smaller) Type M (or heavier) copper tube. The annular space shall be a min 1 in. to a max of 2-7/8 in.

D. **Copper Pipe** Nom. 3 in. dia. (or smaller) Regular (or heavier) copper pipe. The annular space shall be a min 1 in. to a max of 2-7/8 in.

E. **Electrical Metallic Tubing** Nom 3 in. dia. (or smaller) steel electrical metallic tubing. The annular space shall be a min 1 in. to a max of 2-7/8 in.

The dia. of the opening is dependent upon the type of through-penetrant is used. If a steel pipe or conduit is used, the max dia. of the opening is 10 in. If a copper tube, pipe or electrical metallic tubing is used, the max dia. of the opening is 7 in.

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3. **Firestop System** The firestop system shall consist of the following:

   A. **Packing Material** Min. 4 in. thickness 4 pcf firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. When the floor is constructed of hollow-core precast concrete units, packing material shall be recessed from both surfaces of floor to accommodate the required thickness of fill material.

   B. **Fill, Void or Cavity Material* — Sealant** Min. 200 mil (5 mm) wet thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed symmetrically on both sides of floor, flush with both floor surfaces.

   A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Seal (for floors only) and A/D FireBarrier Seal N/S (for hollow-core precast concrete unit walls only).

*Bearing the UL Classification Mark