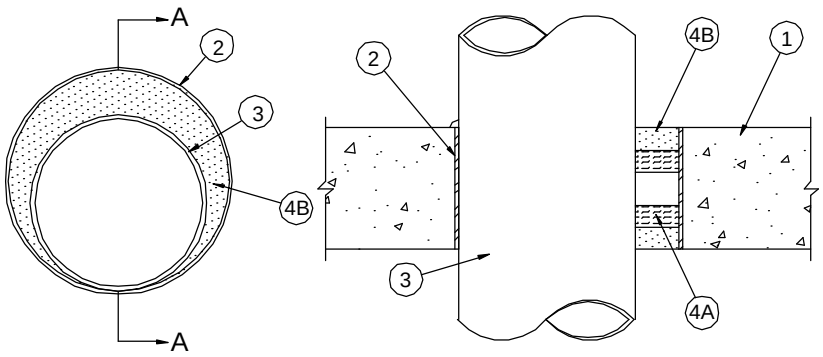
System No. C-AJ-1520

August 2008
F Rating - 3 Hr
T Rating – 1/4 Hr
L Rating at Ambient – Less Than 1 CFM/sq ft
(UL/cUL)



SECTION A-A

1. **Floor or Wall Assembly** - Min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu. meter)) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core **Precast Concrete Units*.** Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 10-7/8 in. (276 mm). When precast concrete units are used, the max diam of opening is 7 in. (178 mm).

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

2. **Metallic Sleeve —** (Optional) Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. **Through Penetrants** — One metallic pipe or tube to be installed within the firestop system. The annular space between the through penetrant and the periphery of the opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). Pipe or tube to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of metallic pipes and tubes may be used:

   A. **Steel Pipe** — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

   B. **Iron Pipe** - Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.

   C. **Copper Tubing** — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.

   D. **Copper Pipe** — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

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

   A. **Packing Material** — Min 1 in. (25 mm) thickness of min 4 pcf (64 kg/cu meter) mineral wool batt insulation firmly packed into each side of opening as a permanent form. Packing material to be recessed from both surfaces of floor or wall to accommodate the required thickness of fill material.

   B. **Fill, Void or Cavity Material*** — Min 1 in. (25 mm) thickness of fill material applied within the annular space, flush with both surfaces of floor or wall. Min 3/8 in. (10 mm) bead of fill material applied at point contact location between pipe and sleeve or concrete at both surfaces of floor or wall.

      TREMCO INC — TREMstop Intumescent Acrylic, TREMstop IA+

*Bearing the UL Classification Mark

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