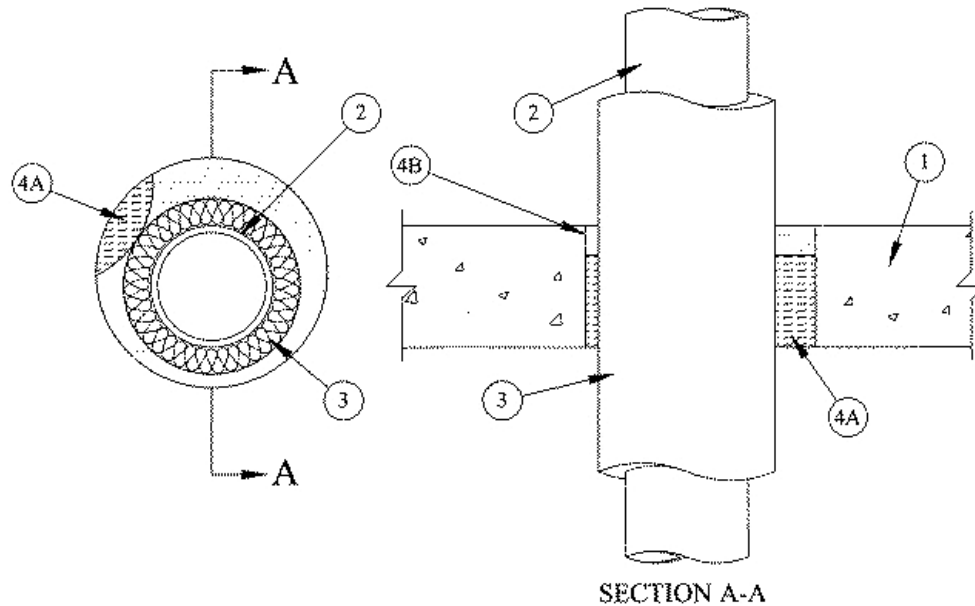


System No. C-AJ-5121

August 2008

F Rating — 2 and 3 Hr (See Item 4B)

T Rating — 1, 1-1/4 and 1-1/2 Hr (See Items 1A and 4B)
(UL/cUL)



1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 5 in. 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*. If the firestop system is installed within a hollow-core precast concrete unit, max diam of opening shall be 7 in. Otherwise, see Table under Item 4B for max diam of opening.

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

- 1A. Metallic Sleeve — (Optional, Not Shown) - Cylindrical sleeve fabricated from min No. 30 gauge (0.016 in. or 0.4 mm) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of the sleeve to be equal to the thickness of the floor or wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular cutouts in the floor or wall. Sleeve also may be constructed of nominal 18 in. diameter (or smaller) Schedule 10 (or heavier) steel pipe cast or grouted into floor or wall. The ends of the steel sleeve shall be flush with each surface of the floor or wall. When sleeve is used, T Rating of firestop system is 1 hr.
2. Through Penetrants — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. See Table under Item 4B for max sizes of pipes that may be used. The following types of metallic pipes or tubing may be used:
 - A. Steel Pipe — Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Cast or ductile iron pipe.
 - C. Copper Tubing — Type L (or heavier) copper tubing.
 - D. Copper Pipe — Regular (or heavier) copper pipe.
3. Pipe Covering* — Nom 1, 2 or 3 in. thick (see table under Item 4B) hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. See Table under Item 4B for annular space required within the firestop system.

See Pipe and Equipment Covering – Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System – The firestop system shall consist of the following:
 - A. Packing Material – Min 4 pcf mineral wool batt insulation firmly packed into opening, to the min thickness specified in the table under Item 4B, 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 – Fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall and hollow-core precast concrete unit. Min thickness of fill material specified in table below.

TREMCO INC – TREMstop Intumescent Acrylic, TREMstop IA+, or FyreCaulk

Note: When FyreCaulk is used, the F Rating is limited to 2 Hr.

F Rating Hr	T Rating Hr	Max Pipe Diam, in.		Pipe Covering Thick, in.	Packing Material Thick, in.	Max Open Diam, in.	Fill MtI Thick in.	Annular Space, in.
		Copper	Steel, Iron					
2	1	4	6	1	4	8-5/8	1/2	1/2 to 1- 3/8
3	1-1/2	4	6	2	3-1/2	10-5/8	1	1/2 to 1- 3/8
2	1	6	8	3	3-1/2	18-3/4	1	1-3/4 to 2

*Bearing the UL Classification Mark



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