

System No. C-AJ-1607

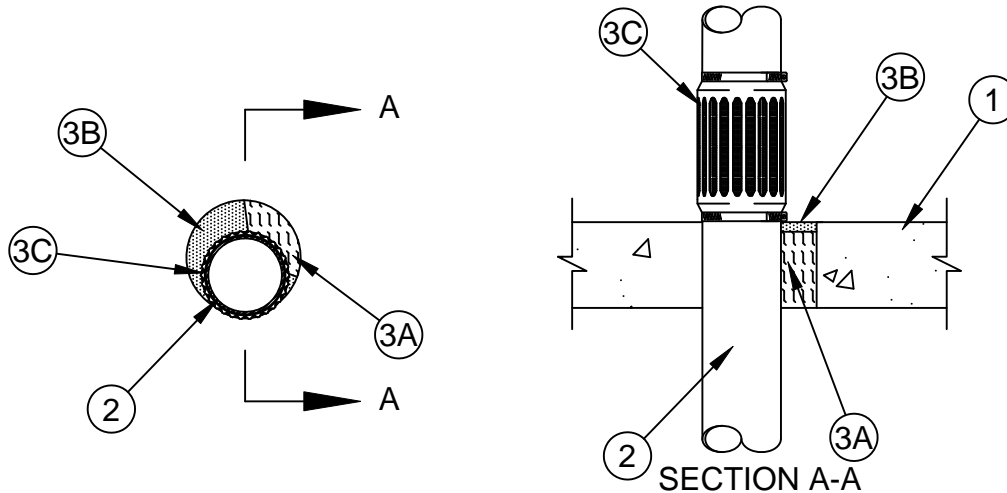
F Rating - 3 Hr

T Rating - 2 Hr

L Rating At Ambient - Less Than 1 CFM/sq ft

L Rating At 400 F - Less Than 1 CFM/sq ft

W Rating - Class 1 (See Item 3B)



1. **Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or min. 5 in. (124 mm) reinforced lightweight or normal weight concrete wall. Floor may 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 6 in. (152 mm).

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

2. **Through Penetrants** - One metallic pipe, or conduit to be concentrically or eccentrically within the firestop system. The annular space between pipes or conduits and periphery of opening shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:

- A. **Steel Pipe** - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. **Iron Pipe** - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
- C. **Steel Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit.

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 either surface of wall to accommodate the required thickness of fill material. At point contact location between penetrant and concrete, a min. for 1/4 in. (6 mm) diameter bead of sealant shall be applied at the concrete or pipe penetrant interface on the top surface of floor and on both surfaces of the wall.
- B. **Fill, Void or Cavity Material* - Sealant** - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with either surface of wall. Min 3/8 in. (10 mm) diam bead of fill material applied to the penetrant/concrete interface at the point contact location on the bottom surface of floor or either surface of wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal LCI, SSS, SIL300 or SIL300SL (floors only) Sealant

Note: W Ratings apply when SIL300 or SIL300SL is used in floors only.

- C. **Firestop Device*** - Single layer of coolant wrap provided with collar to be continuously wrapped around the outer circumference of penetrant and temporarily held in place with tape. Edge of coolant wrap to be offset from the surface of floor or both sides of the wall in order to allow for installation of restraining collar. Restraining collar to be installed such that an edge is flush with top surface of the floor or both surfaces of wall and coolant wrap is nominally centered within pocket of restraining collar. Restraining collar to overlap itself by min 1/8 in. (3 mm) and secured in place around penetrant with nom 1/2 in. (13 mm) wide stainless steel hose clamps nominally centered on both flanges.

SPECIFIED TECHNOLOGIES INC - SpecSeal T-Collar

*Bearing the UL Classification Mark



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