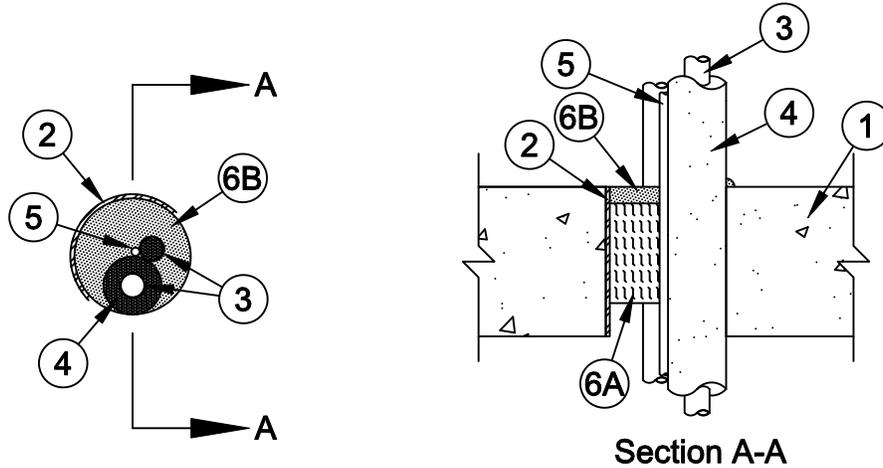


System No. C-AJ-8084

F Rating - 2 Hr

T Rating - 1/4 Hr



- Floor or Wall Assembly** - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor. Floor may also be constructed of any min 6 in. thick hollow-core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 3-1/2 in.
See **Concrete Blocks (CAZT)** or **Precast Concrete Units (CFTV)** categories in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve** - (Optional)- Nom 3-1/2 in. diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast or grouted into concrete. Steel sleeve may be installed flush or may project a max 2 in. beyond the floor or wall surfaces.
- Through Penetrants** - A max of two pipes, conduits or tubing to be installed within the opening. The annular space between the pipes, conduits or tubing and the periphery of the opening shall be min 0 in. (point contact) to max 1-1/2 in. Pipes, conduits or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe** - Nom 3/4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - Iron Pipe** - Nom 3/4 in. diam (or smaller) cast or ductile iron pipe.
 - Conduit** - Nom 3/4 in. diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
 - Copper Pipe** - Nom 3/4 in. diam (or smaller) regular (or heavier) copper pipe.
 - Copper Tube** - Nom 3/4 in. diam (or smaller) Type L (or heavier) copper tube.
- Tube Insulation - Plastics#** - Nom 1/2 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PBC) flexible foam furnished in the form of tubing. The tube insulation may be installed on a max of one pipe or tubing. The annular space between the pipes, conduits or tubing and the periphery of the opening shall be min 0 in. (point contact) to max 1-1/2 in.
See **Plastics (QMFZ2)** category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
- Cables** - Max four pair No. 18 AWG (or smaller) copper conductor thermostat cable with PVC insulation and jacket. Cable space 0 in. (point contact) to max 1-1/2 in. from insulated and bare penetrants. The annular space between the cable and the periphery of the opening shall be min 0 in. (point contact) to max 1-1/2 in. Cable rigidly supported on both sides of floor or wall assembly.



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

- A. **Packing Material** - Min 4 pcf mineral wool batt insulation compressed and tightly packed to min 3 in. thickness. Packing material recessed from top surface of floor or both surfaces of wall or precast concrete unit as required to accommodate fill material (Item 6B). When steel sleeve projects from top of floor or from both sides of wall, the thickness of mineral wool batt packing material should be increased by an amount equal to the distance that the sleeve extends past the floor or wall surface.
- B. **Fill, Void or Cavity Material* - Sealant** - Min 1/2 in. thickness of fill material applied within annulus, flush with top surface of floor assembly or top edge of steel sleeve. In walls, min 1/2 in. thickness of fill material applied within annulus flush with both surfaces of wall assembly or both ends of steel sleeve. In floors constructed of hollow-core precast concrete, fill material to be installed symmetrically on both sides, flush with floor surfaces. At point contact locations, min 1/4 in. diam bead of fill material applied at pipe/concrete or pipe/steel interface on top surface of floor or both surfaces of wall or precast concrete units.

SPECIFIED TECHNOLOGIES INC - SpecSeal LCI Sealant

*Bearing the UL Classification Mark

#Bearing the UL Recognized Component Mark



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