

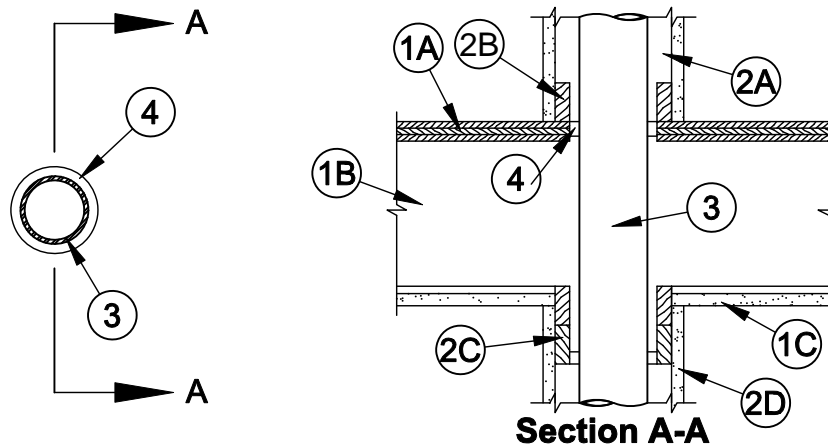
System No. F-C-1013

F Rating - 1 Hr

T Ratings - 3/4 and 1 Hr (See Item 3)

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

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



1. **Floor-Ceiling Assembly** - The 1 hr fire-rated solid or trussed lumber joist Floor-Ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory, as summarized below:
 - A. **Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 4-1/2 in. (114 mm).
 - B. **Joists** - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
 - C. **Gypsum Board*** - Nom 4 ft (1.2 m) wide by 5/8 (16 mm) thick wallboard direct attached to joists or screw-attached to furring channels as specified in the individual Floor-Ceiling Design.
 2. **Chase Wall - (Optional)** - The through penetrant (Item 3) may be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - A. **Studs** - Nom 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
 - B. **Sole Plate** - Nom 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted.
 - C. **Top Plate** - The double top plate shall consist of two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 4-1/2 in. (114 mm).
 - D. **Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
 3. **Through Penetrants** - One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor assembly. The annular space within the firestop system shall be min 0 in. (point contact) to max 1 in. (25 mm). The following types and sizes of metallic pipes or conduits may be used:
 - A. **Steel Pipe** - Nom 3 in. (76 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. **Conduit** - Nom 3 in. (76 mm) diam (or smaller) steel electrical metallic tubing or steel conduit.
 - C. **Iron Pipe** - Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.
 - D. **Copper Tubing** - Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - E. **Copper Pipe** - Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.
- The T Rating is 1 Hr for penetrants A, B and C. The T Rating is 3/4 Hr for penetrants D and E.**
4. **Fill, Void or Cavity Material* - Sealant** - Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. (16 mm) thickness of fill material also applied within the annulus of the ceiling or top plate, flush with bottom surface of ceiling or lower top plate. Min 3/8 in. (10 mm) diam bead of fill material applied at point contact location on top surface of floor or sole plate and on bottom surface of gypsum board ceiling or lower top plate.

SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

*Bearing the UL Classification Mark



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