

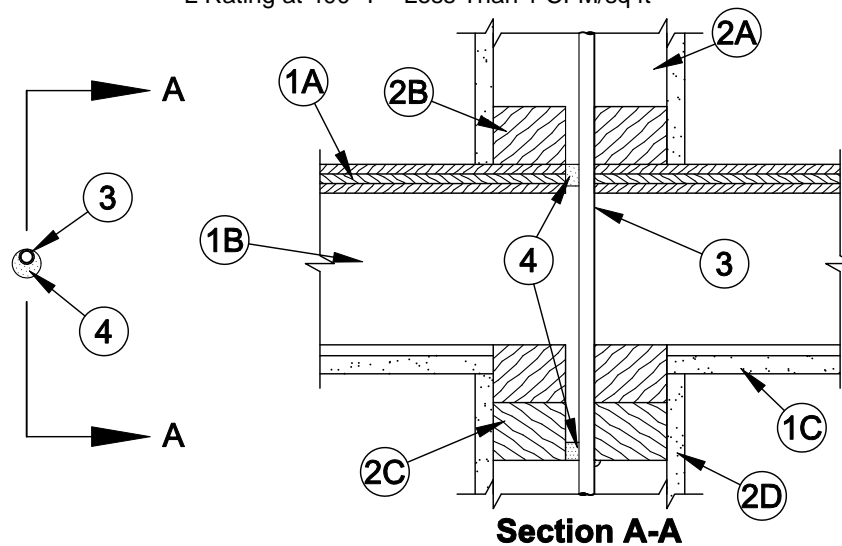
System No. F-C-3022

F Rating - 1 Hr

T Rating - 1 Hr

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 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 3/4 in. (19 mm).
 - B. **Wood Joists** - Nom 2 by 10 in. (51 by 254 mm) lumber joists spaced 16 in. (406) OC with nom 1 by 3 in. (25 by 76 mm) lumber bridging and with ends firestopped. As an alternate to lumber 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 with ends firestopped.
 - C. **Furring Channels (Not Shown)** - Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists or furring channels as required in the individual Floor-Ceiling Design.
 - D. **Gypsum Board*** - Nom 4 ft (1.2 m) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 3/4 in. (19 mm).
2. **Chase Wall** - (Optional) -The through penetrants (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 3/4 in. (19 mm).
 - D. **Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
3. **Cables** - Max two cables installed within firestop system. Cables to be spaced min 1/8 in. (3.2 mm) apart. A nom annular space of 1/8 in. (3.2 mm) is required within the firestop system. Cables to be rigidly supported on both sides of floor-ceiling assembly. Any combination of the following types and sizes of copper conductor cables may be used:
 - A. Max 4 pair No. 24 AWG (or smaller) polyvinyl chloride (PVC) insulated and jacketed telephone cable.
 - B. Max 2/C (with ground) - 12 AWG (or smaller) PVC insulated and jacketed nonmetallic sheathed cable.
 - C. Max RG/U No. 22 AWG (or smaller) PVC insulated and jacketed coaxial cable.
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.

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

*Bearing the UL Classification Mark



Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

Reproduced courtesy of Underwriters Laboratories, Inc.

Created or Revised: January 2, 2009

(800)992-1180 • (908)526-8000 • FAX (908)231-8415 • E-Mail:techserv@stifirestop.com • Website:www.stifirestop.com



F-C-3022
PAGE 1 OF 1