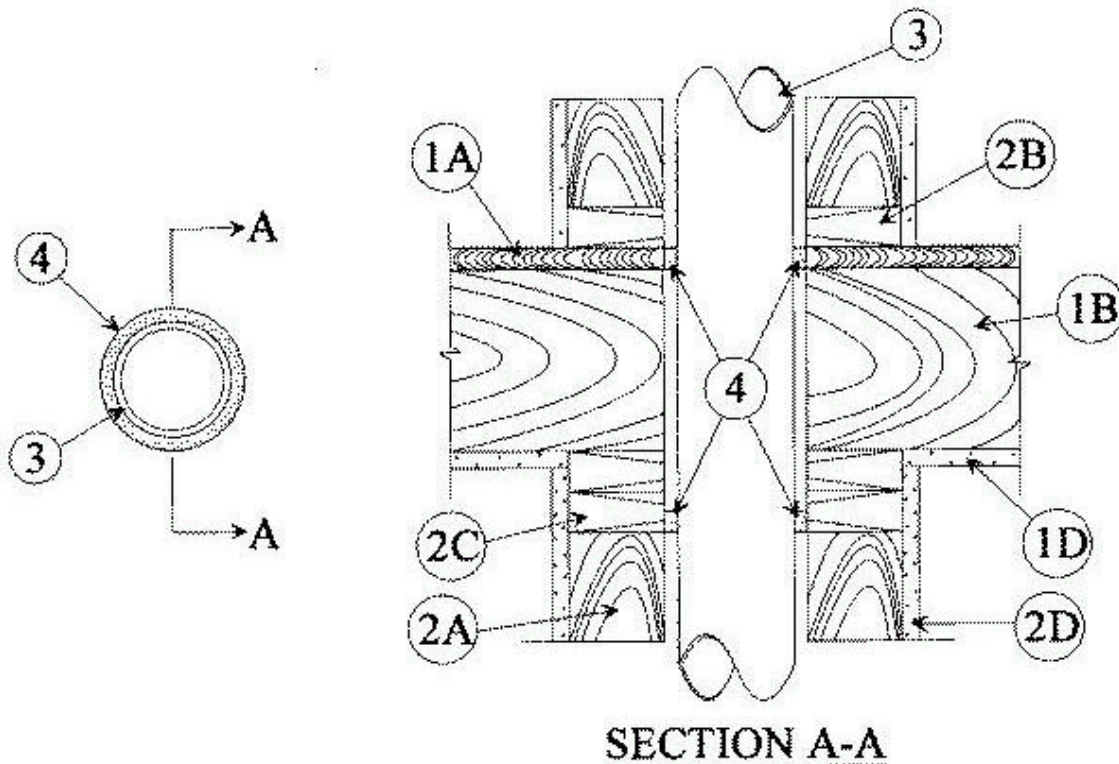


UL System No. F-C-1034

F Rating — 1 Hr

T Rating — 1 Hr



**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 sub-floor with finish floor of lumber, plywood or **Floor Topping Mixture\*** as specified in the individual Floor-Ceiling Design. Max dia. of floor opening is 5 in.

**B. Joists** Nom 10 in. deep (or deeper) lumber and steel joist, trusses or **Structural Wood Members\*** with bridging as required and 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 wide by 1/2 or 5/8 in. thick as specified in the individual Floor-Ceiling Design. Wallboard secured to wood joists, spaced 24 in. OC as specified in the individual Floor-Ceiling Design. Max dia. of ceiling opening is 5 in.

F-C-1034 continued...

2. **Chase Wall** The through penetrant (Item 3) shall 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. or double nom 2 by 4 in. lumber studs.

B. **Sole Plate** Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted.

C. **Top Plate** The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max dia. of opening is 5 in.

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 centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor assembly. A nom annular space of 1/4 in. is required within the firestop system. The following types and sizes of metallic pipes or conduits may be used:

A. **Steel Pipe** Nom 4 in. dia. (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Conduit** Nom 4 in. dia. (or smaller) steel electrical metallic tubing or steel conduit.

D. **Copper Tubing** Nom 4 in. dia. (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** Nom 4 in. dia. (or smaller) Regular (or heavier) copper pipe.

4. **Fill, Void or Cavity Material\* — Sealant** Min 1-1/8 in. thickness of fill material applied within the annulus, flush with top surface of floor. A generous bead of fill material also applied within the annulus of the top plate, flush with bottom surface of lower top plate.

**A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Silicone**  
\*Bearing the UL Classification Marking