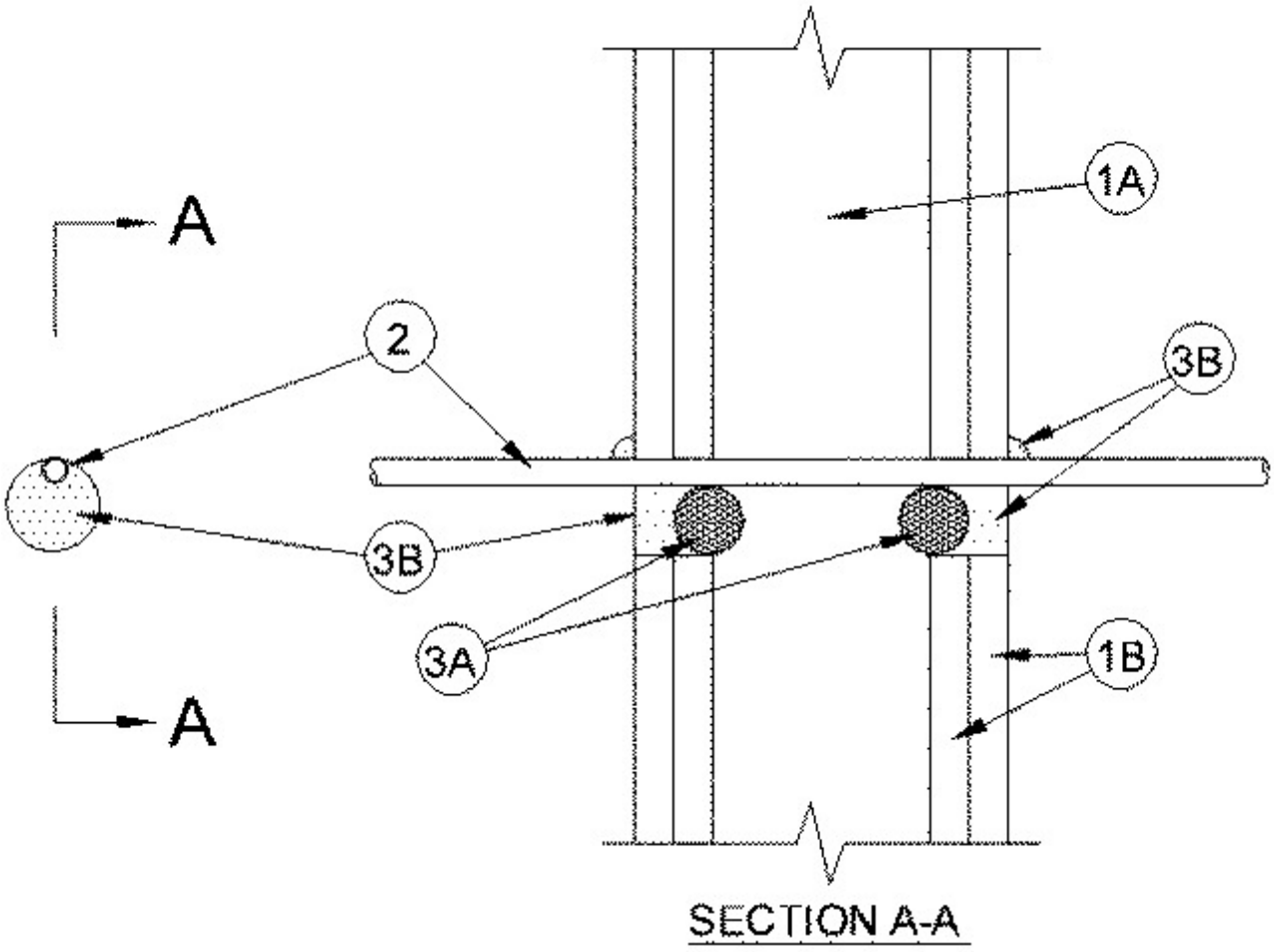
System No. W-L-3193

April 08, 2002

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1 and 2 Hr (See Item 1)



SECTION A-A

1. **Wall Assembly —** The 1or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing shall consist of wood studs or steel channel studs. Wood studs to consist of 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum board* —** Min 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers and orientation shall be as specified in the individual U300 or U400 Wall and Partition Design. Max diam of opening is 2 in.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the assembly in which it is installed. The hourly T Rating of the firestop system is equal to the hourly fire rating of the assembly in which it is installed.

2. **Cables —** One cable to be installed concentrically or eccentically within the opening. The annular space is shall be min 0 (point contact) to a max 1-1/4 in. Cable to be rigidly supported on both sides of wall assembly. One of the following types and sizes of copper conductor cables may be used:

A. Max 50 pr No. 24 AWG telecommunication cable with polyvinyl chloride (PVC) insulation and jacket.

B. Max 2/C with ground No. 12 AWG Type NM nonmetallic sheathed (Romex) cable with PVC insulation and jacket.

3. **Firestop System —** The firestop system shall consist of the following:

A. **Packing Material —** Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Materials* — Caulk —** Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location, a min 1/2 in. diam bead of fill material shall be applied to the wall/cable interfaces on both sides of wall.

RECTORSEAL — BF 150+

*Bearing the UL Classification Mark