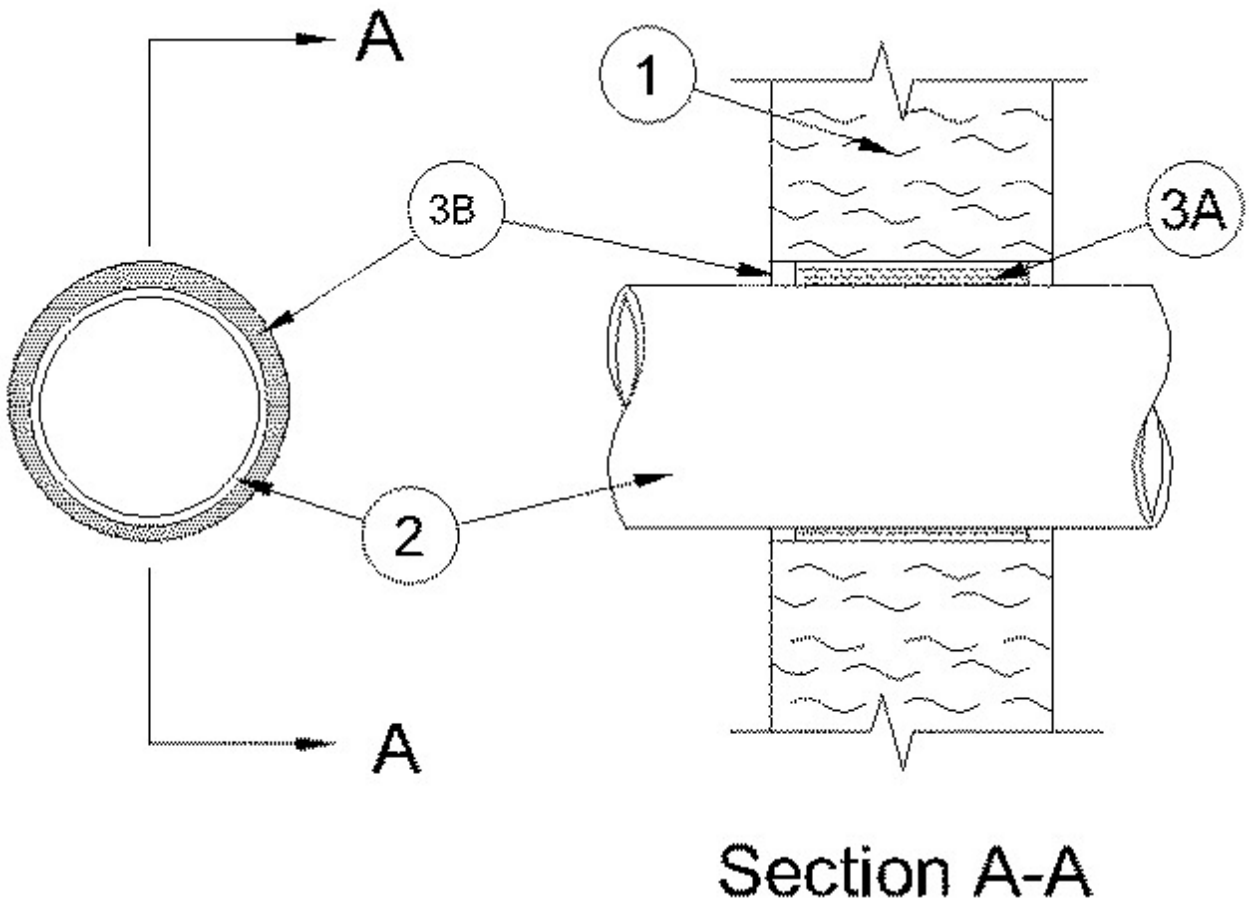
System No. W-N-1002

August 19, 2005

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 0 and 1/4 Hr (See Item 1)



Section A-A

1. **Wall Assembly —** The 1 or 2 hr fire rated composite wall assembly shall be constructed of nom 4 in. (102 mm) or 7 in. (178 mm) thick, respectively, galvanized steel or painted galvanized steel faced **Partition Panel Units*** (CJMR) installed in the manner specified in Wall and Partition Design No. U050 in the Fire Resistance Directory. Max diam of opening is 20-1/2 in. (521 mm). Opening can be located on or off panel unit joints.

The F Rating of the firestop system is equal to the hourly rating of the wall assembly in which it is installed. The T Rating is 0 hr for 1 hr fire rated wall assemblies and 1/4 hr for 2 hr fire rated wall assemblies.

METL-SPAN L L C — ThermalSafe Partition Units

2. **Through-Penetrants —** One metallic pipe, conduit or tube to be installed eccentrically or concentrically within the opening. An annular space of min 3/8 in. (10 mm) to max 5/8 in. (16 mm) is required within the firestop system. Pipe, conduit or tube to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes, conduit or tubing may be used:

A. **Steel Pipe —** Nom 18 in. (457 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 18 in. (457 mm) diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 6 in. (152 mm) diam (or smaller) steel electrical metallic tubing or nom 4 in. diam (or smaller) steel conduit.

D. **Copper Tubing —** Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe —** Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

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

A. **Packing Material —** Min 2-3/4 in. (70 mm) or 5-3/4 in. (146 mm) thickness, for 1 or 2 hr rated walls respectively, of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the thickness of the fill material.

B. **Fill, Void or Cavity Material* — Caulk —** Nom 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both wall surfaces.

RECTORSEAL — Metacaulk 1000

C. **Fasteners —** (Not Shown) - When the opening for the firestop system occurs at a panel unit joint, a min 1/8 in. (3 mm) diam steel rivet shall be installed in the metal skin of the panel to secure the tongue & groove joint above and below the opening, on both sides of the wall. The rivets shall be located max ½ in. (13 mm) from the edge of the opening.

*Bearing the UL Classification Mark