System No. W-L-2425

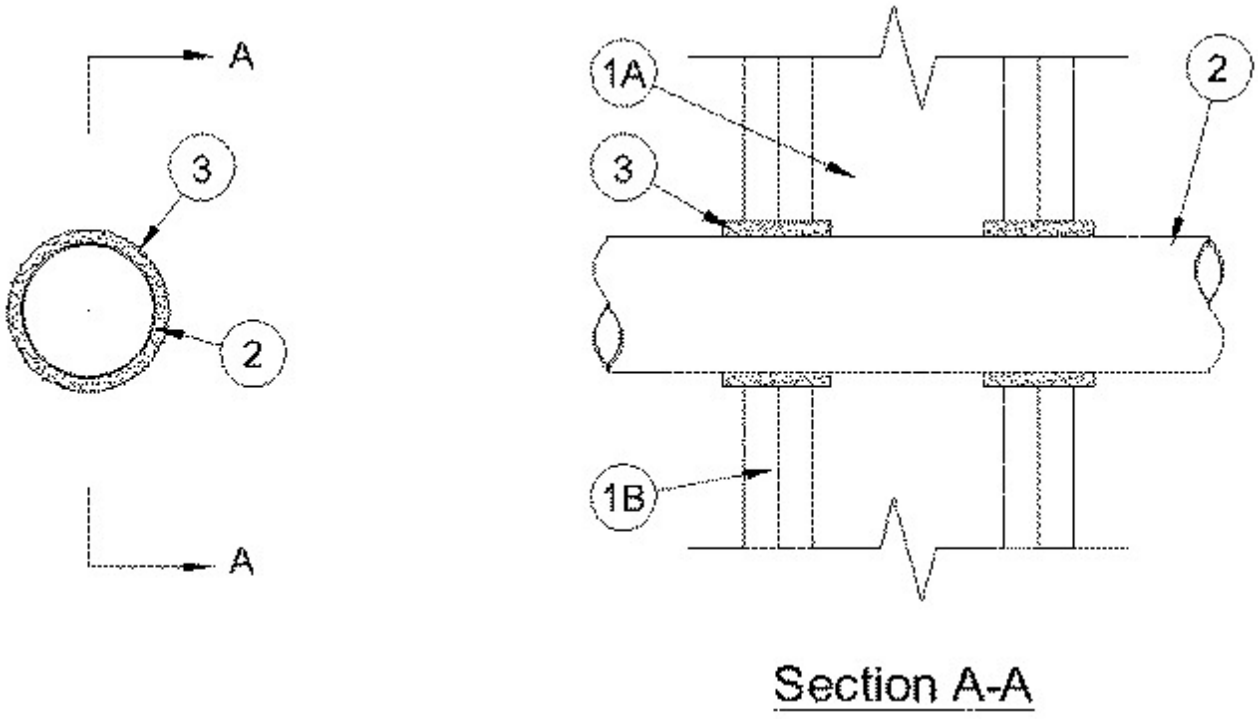
February 04, 2005

F Rating - 1 or 2 Hr (See Item 1)

T Rating - 1 or 2 Hr (See Item 1)

FH Rating - 1 or 2 Hr (See Item 1)

FTH Rating - 1 or 2 Hr (See Item 1)



Section A-A

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. **Wall Assembly —** The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs —** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 51 by 102 mm lumber spaced 406 mm O.C. Steel channel studs to be min 89 mm wide and spaced max 610 mm O.C.

B. **Gypsum Board* —** 16 mm thick, 1.2 m wide with square or tapered edges. Thickness, type, number of layers and fastener type as specified in the individual Wall and Partition Design. Max diam of opening 40 mm.

The F, T, FH and FTH Ratings are equal to the 1 or 2 hr fire rating of the wall assembly in which it is installed.

2. **Through Penetrant —** One non-metallic pipe or conduit to be installed concentrically within the firestop system. The annular space shall be max 6 mm. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of non-metallic pipes or conduit may be used:

A. **Polyvinyl Chloride (PVC) Pipe —** Nom 51 mm diam (or smaller) thin-walled PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system. Pipe wall thickness shall be a min 2.4 mm.

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe —** Nom 51 mm diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping system.

C. **Rigid Electrical Non-Metallic Conduit (RNMC) —** Nom 51 mm (or smaller) PVC conduit installed in accordance with Article 331 of the National Electrical Code (NFPA 70).

3. **Fill, Void or Cavity Material* - Wrap Strip —** One layer of 51 mm wide wrap strip wrapped around through-penetrant with the ends butted and held in place with masking tape. Wrap strip to protrude 10 mm from both surfaces of wall.

RECTORSEAL — Biostop Wrap Strip

*Bearing the UL Classification Mark