



XHEZC.SP928 Firestop Systems

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Firestop Systems

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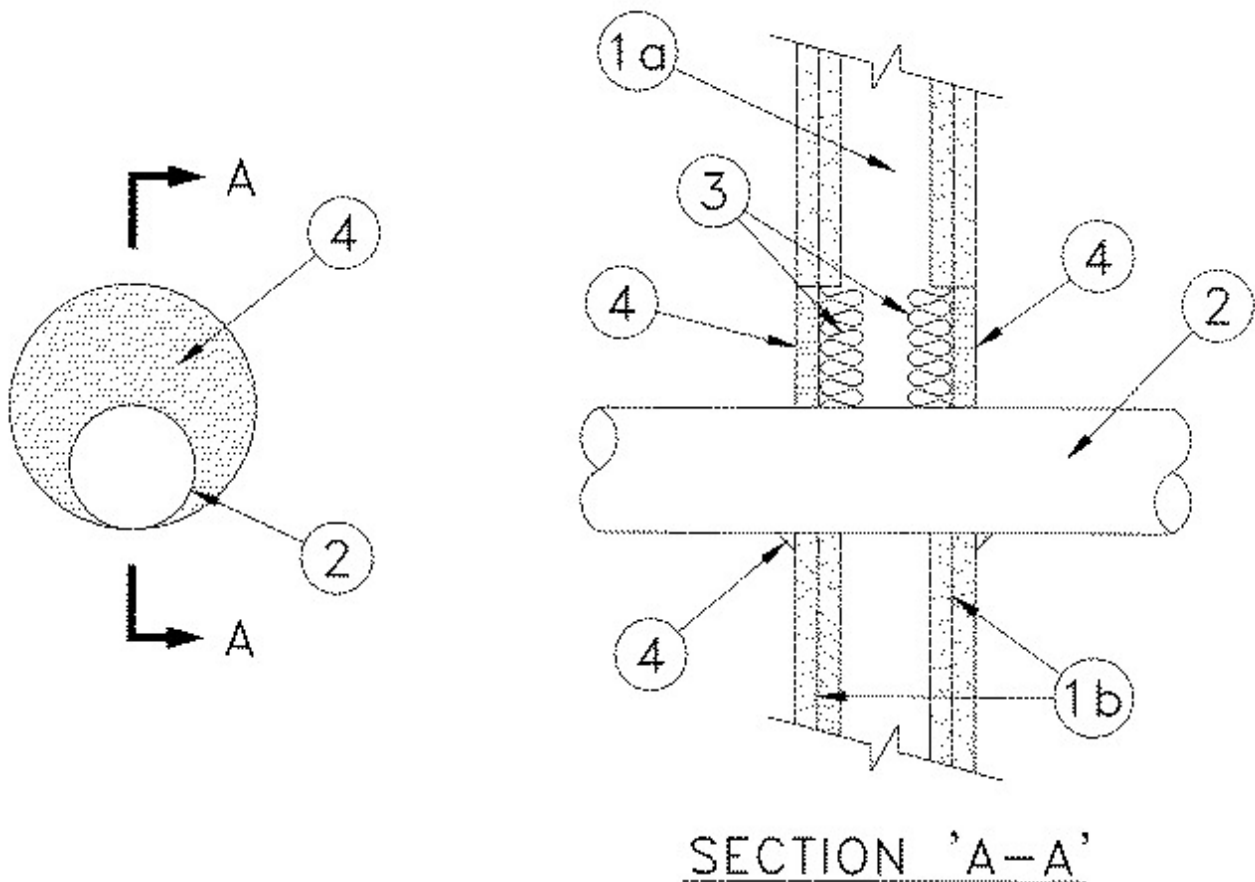
System No. SP928

October 04, 2005

(For Vertical Separation)

F and FH Ratings — 2 h

FT and FTH Ratings — 0 h



1. **Wall Assembly** — The 2 h fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual Wall or Partition designs in the Underwriters' Laboratories of Canada List of Equipment and Materials 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 50 mm by 102 mm lumber spaced 405 mm OC. Steel studs to be min 92 mm wide and spaced max 600 mm OC.

(b) **Wallboard, Gypsum** — Two layers, nom 16 mm thick, 1220 mm wide with square or tapered edges. The gypsum wallboard type, fastener type and sheet orientation shall be as specified in the individual wall or partition design. Diam of opening in wallboard layers to be 47.5 mm larger than outside diam of pipe. Max diam of opening in wallboard layers is 102 mm.

2. **Metal Pipe** — Nom 76 mm diam (or smaller) Schedule 10 (or heavier) steel pipe, or cast or ductile iron pipe, nom 76 mm diam (or smaller), Type L (or heavier) copper pipe or steel electrical metallic tubing or steel conduit. One pipe to be

installed either concentrically or eccentrically with the firestop system. The annular space between the pipe and the edge of the through-opening shall be min 0 mm (point contact) to max 47.5 mm. Pipe to be rigidly supported on both sides of wall assembly.

3. **Batts and Blankets** — Mineral wool insulation, Type "A/D FIREBARRIER Mineral Wool", compressed 33% and installed within the opening between the pipe and inside layer of 16 mm thick gypsum dry wall, extending into the wall cavity by 32 mm. The insulation is installed on both sides of the wall.

■ 4. **Firestop System Components** — (XHJZC). Type "A/D FIREBARRIER Silicone" installed to fill the annular space to a depth of 16 mm representing the thickness of the outside layer of gypsum wallboard. A min 6.4 mm diam bead of silicone shall be applied to the pipe/wallboard interface at the point contact location on both sides of the wall.

A/D FIRE PROTECTION SYSTEMS INC

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