System No. W-L-1151
XHEZ7.W-L-1151
Through-penetration Firestop Systems Certified for Canada

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

See General Information for Through-penetration Firestop Systems Certified for Canada

System No. W-L-1151

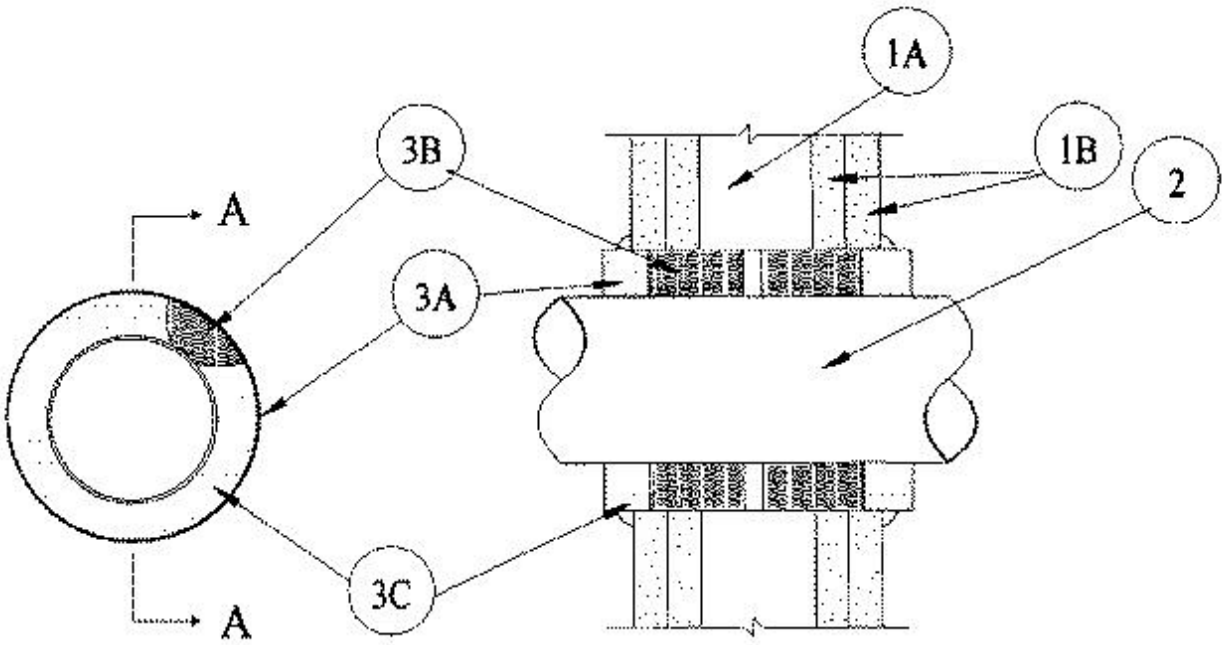
October 26, 2011

F Rating — 2 Hr

FT Rating — 0 Hr

FH Rating — 2 Hr

FTH Rating — 0 Hr



SECTION A-A

1. **Wall Assembly —** The 2 hr fire-rated gypsum wallboard/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 may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.

B. **Gypsum Board* —** 1/2 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 8-5/8 in.

2. **Through Penetrants —** One metallic pipe or conduit to be centered within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be a nom 1 in. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits or tubing may be used:

A. **Steel Pipe —** Nom 6 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 6 in. diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 6 in. diam (or smaller) steel conduit.

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

A. **Steel Sleeve —** Cylindrical sleeve fabricated from 0.022 in. (No. 26 gauge) galv sheet steel and having a min 2 in. lap along the longitudinal seam. Length of steel sleeve to be equal to the thickness of the wall plus 1 in., such that when installed, the ends of the steel sleeve extend 1/2 in. beyond each surface of the wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum wallboard layers.

B. **Packing Material —** Min 2 in. thickness of 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form on each side of wall. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.

C. **Fill, Void or Cavity Material* — Sealant —** Min 3/4 in. thickness of fill material applied within annulus, flush with both ends of steel sleeve. A min 1/2 in. bead of fill material shall be applied at the steel sleeve/gypsum wallboard interface on both surfaces of wall.

A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Silicone

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2011-10-26