System No. W-L-5326
XHEZ7.W-L-5326
Through-penetration Firestop Systems Certified for Canada

Page Bottom

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-5326

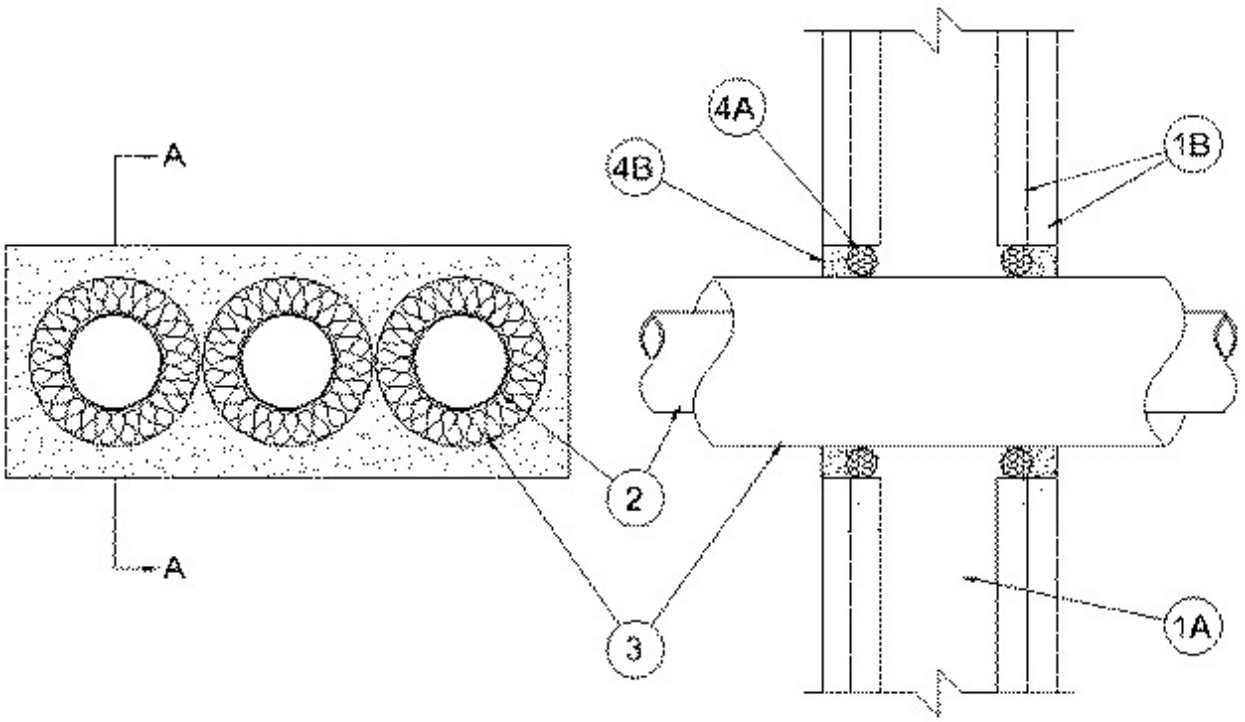
June 17, 2016

F Rating - 2 Hr

FT Rating - 1/4 Hr

FH Rating - 0 Hr

FTH Rating - 0 Hr



SECTION A-A

1. **Wall Assembly —** The 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design 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 (2 by 4 in.) lumber spaced 406 mm (16 in. OC). Steel studs to be min 64 mm (2-1/2 in.) wide and spaced max 610 mm (24 in.) OC.

B. **Gypsum Board* —** Two layers of nom 16 mm (5/8 in.) thick gypsum board, as specified in the individual Wall and Partition Design. Max area of opening is 387 sq cm (60 sq in.) with max dimension of 305 mm (12 in.).

2. **Through Penetrants —** One or more pipes or tubing to be installed within the opening. The annular space between insulated pipes or tubing shall be min 0 mm (point contact) to max 6 mm (1/4 in.). The annular space between pipes or tubing and periphery of opening shall be min 13 mm (1/2 in.) to max 17 mm (11/16 in.). Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes or tubing may be used:

A. **Steel Pipe —** Nom 51 mm (2 in.) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 51 mm (2 in.) diam (or smaller) cast or ductile iron pipe.

C. **Copper Tubing —** Nom 51 mm (2 in.) diam (or smaller) Type L (or heavier) copper tube. D.

D. **Copper Pipe —** Nom 51 mm (2 in.) diam (or smaller) Regular (or heavier) copper pipe.

3. **Tube Insulation* — Plastics+ —** Nom 19 mm (¾ in.) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing.

See **Plastics+ (QMFZ2)** category in the Plastics Recognized Component Directory for names of manufactures. Any Recognized Component tube insulation material meeting the above specifications of having a UL94 Flammability Classification of 94-5VA may be used.

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

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

B. **Fill Void or Cavity Materials* — Sealant —** Min 13 mm (1/2 in.) thickness of fill material applied within annulus, flush with both surfaces of wall

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Intumescent Sealant or A/D FIREBARRIER Intumescent Sealant II

*** 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 2016-06-17