System No. W-J-1223
XHEZ7.W-J-1223
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-J-1223

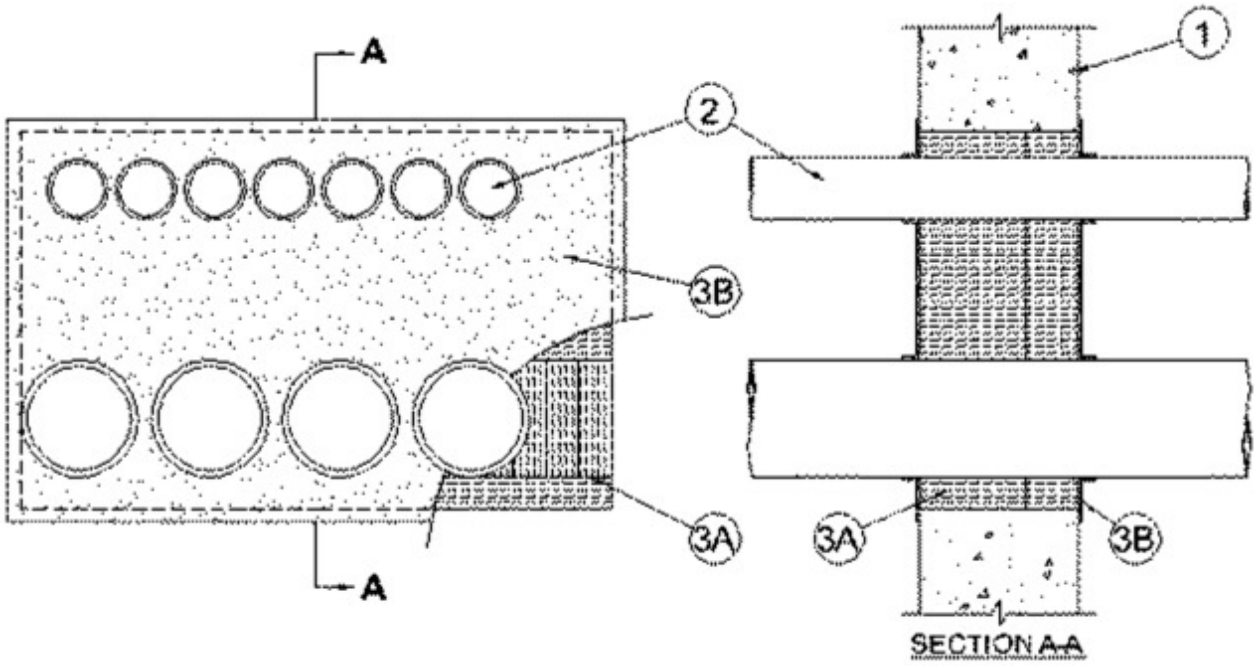
May 03, 2011

F Rating — 2 Hr

FT Rating — 1/4 Hr

FH Rating — 0 Hr

FTH Rating — 0 Hr



1. **Wall Assembly —** Min 152 mm (6 in.) thick reinforced lightweight or normal weight (1600 - 2400 kg/cu. meter (100-150 pcf)) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 2130 sq cm (330 sq in.) with max dimension of 578 mm (22-3/4 in.)

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants —** One or more pipes or conduits to be installed within the opening. The space between pipes or conduits shall be min 6 mm (1/4 in.) to max 146 mm (5-3/4 in.). The space between pipes or conduits and periphery of opening shall be min 0 in. (point contact) to max 127 mm (5 in.). Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes or conduits may be used:

A. **Steel Pipe —** Nom 102 mm (4 in.) diam (or smaller) Schedule 5 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 102 mm (4 in.) diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 102 mm (4 in.) diam (or smaller) steel electrical metallic tubing (EMT) or rigid steel conduit.

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

A. **Packing Material —** Min 102 mm (4 in.) thick, 64 kg/cu. meter (4 pcf) mineral wool batt insulation cut into strips and compressed and firmly packed into opening as a permanent form, flush with one face of wall. Additional strips of 51 mm (2 in.) thick packing material cut and compressed and firmly packed into opening to be flush with opposite side of wall.

B. **Fill, Void or Cavity Material* - Sealant —** Min 3 mm (1/8 in.) wet thickness of fill material spray or brush applied to completely cover mineral wool packing material on both sides of wall. Spray material to overlap min 13 mm (½ in.) onto wall surfaces and onto pipes or conduits.

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Spray Acrylic.

*** 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 2011-05-03