System No. W-J-2213
XHEZ.W-J-2213
Through-penetration Firestop Systems

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.

XHEZ - Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems

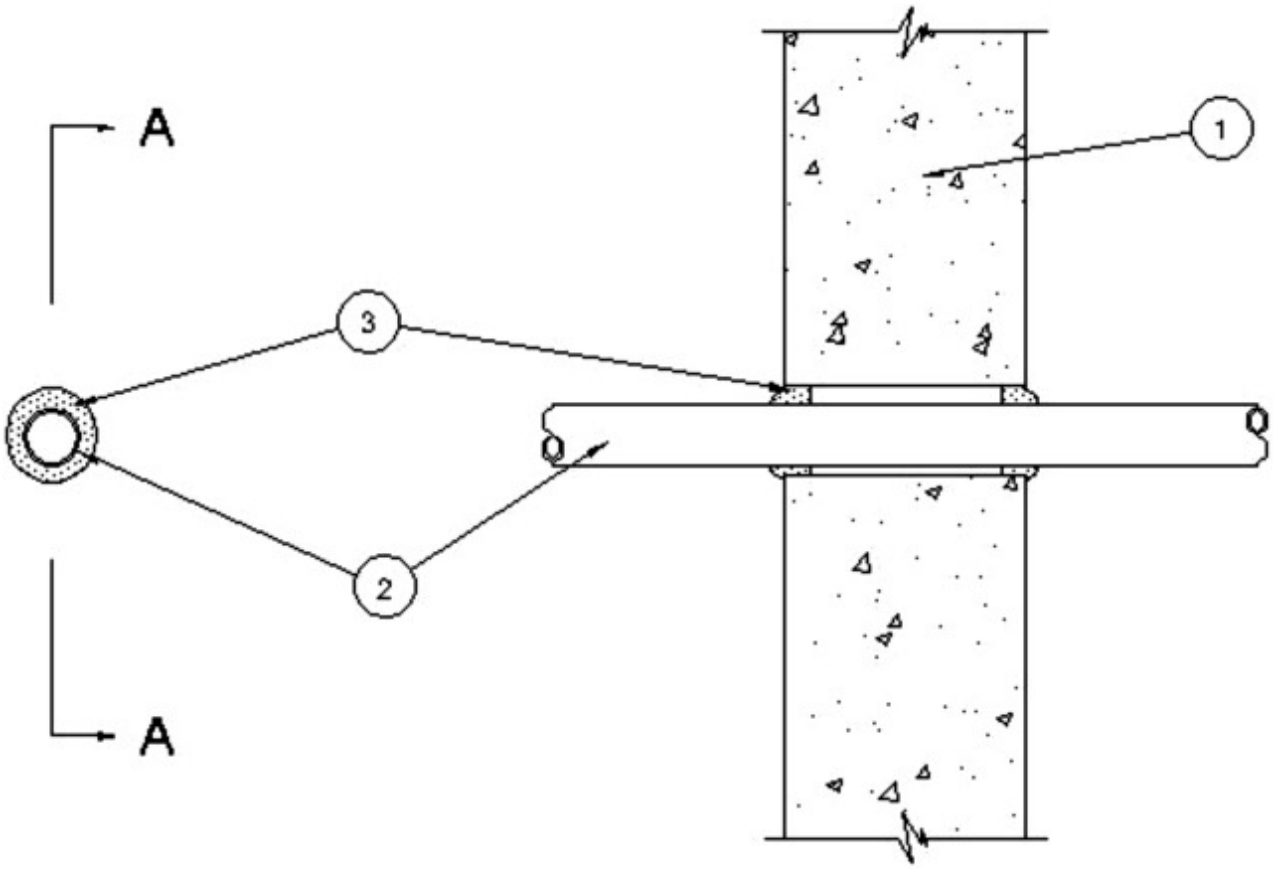
System No. W-J-2213

February 16, 2007

F Rating — 2 Hr

T Ratings — 1-3/4 and 2 Hr (See Item 3)

L Rating at Ambient — Less Than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly —** Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m^3)) structural concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 2-11/16 in. (68 mm).

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

2. **Through Penetrants —** One nonmetallic pipe to be installed within the firestop system. The annular space between the pipe and periphery of opening shall be min of 1/4 in. (6 mm) to max 1/2 in. (13 mm). Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. **Polyvinyl Chloride (PVC) Pipe —** Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) piping systems. Cellular core PVC pipe is limited to use with the A/D FIREBARRIER Putty II fill material only (Item 3).

B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe —** Nom 1-1/2 in. (38 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

3. **Fill, Void or Cavity Materials* —** Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly. Additional fill material to be installed such that a min 3/8 in. (10 mm) thick crown is formed around the pipe on both sides of wall.

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

The T Rating is 1-3/4 hr, except that the T Rating is 2 hr when the A/D FIREBARRIER Putty II fill material is used.

*** 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 2007-02-16