**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.

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**Through-penetration Firestop Systems**

See General Information for Through-penetration Firestop Systems

**System No. W-J-1014**

March 01, 2007

F Rating — 2 Hr

T Rating — 0 Hr

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**SECTION A-A**

1. **Wall Assembly** — Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 5 in.

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

2. **Through Penetrants** — One metallic pipe, conduit or tubing to be centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. A nom annular space of 1/4 in. is required within the firestop system. The following types and sizes of metallic pipes, conduits or tubing may be used:

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*Concrete Blocks (CAZT) are a category of products that have been classified by UL for use in fire resistance applications. They are designed to act as a barrier to the spread of fire and smoke through building structures. The CAZT category includes lightweight concrete blocks that are typically used in the construction of walls and partitions in buildings to provide fire resistance. The specific requirements for these products, including their thickness, density, and fire rating, are listed in the UL Fire Resistance Directory, which is available for download from the UL website.
A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.

B. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing or rigid steel conduit.

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

A. Packing Material — (Optional) — Nom 1/2 in. diam polyurethane backer rod friction fitted into the opening. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material* — Caulk — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Additional material shall be applied such that a min 3/8 in. crown is formed around the penetrating item.

EGS NELSON FIRESTOP — Type CLK N/S (Non-Sag) Caulk.

*Bearing the UL Classification Mark

Last Updated on 2007-03-01

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