



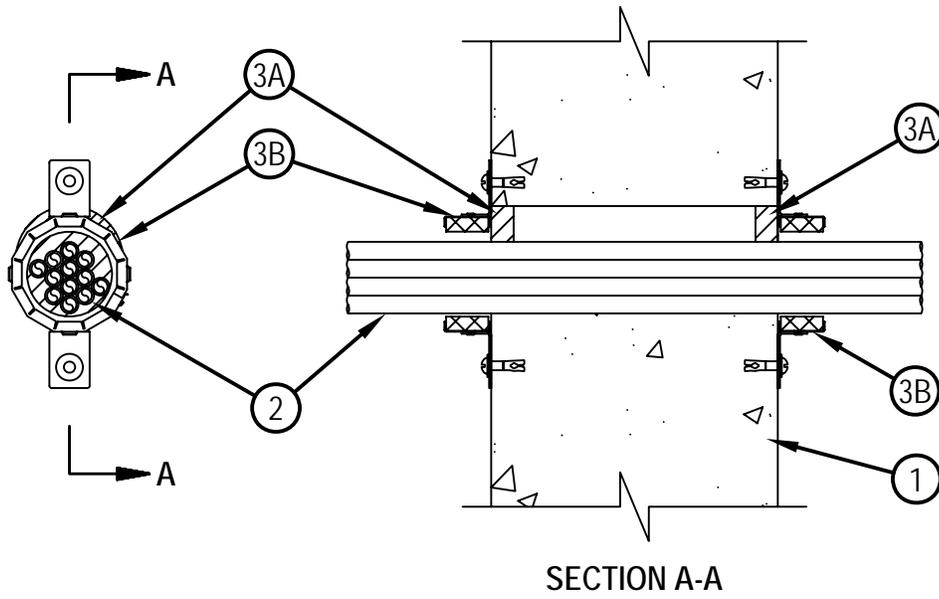
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-J-2238

F Rating — 2 Hr

T Rating — 2 Hr

WJ 2238



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 3 in. (76 mm).

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

2. Through Penetrants — Max twelve nom 1/2 in. (12.7 mm) diam (or smaller) durathane micro duct with min 0.057 in. (1.45 mm) wall thickness for use in closed (process or supply) piping systems. Micro ducts to be tightly bundled and installed either concentrically or eccentrically within the firestop system. The annular space between the micro ducts and the periphery of the opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Microducts to be rigidly supported on both sides of wall.

A-D-Technologies - Dura-Line Riser Rated MicroDucts

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

A. Fill, Void or Cavity Material* — Putty — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly. A min 1/2 in. (13 mm) diam bead of putty to be applied at the micro duct/gypsum board interface at the point contact location prior to the installation of the collar (Item 3B).

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Firestop Putty Stick

B. Firestop Device* - Firestop Collar — Nom 2 in. diam firestop collar shall be wrapped around the outer circumference of micro duct bundle and installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the micro duct bundle and secured to both sides of the wall using the anchor hooks provided with the collar. The anchor hooks are to be secured to the surface of wall with min 3/16 in. (4.8 mm) diam by min 1-1/4 in. (64 mm) long steel anchor bolts in conjunction with min 3/4 in. (19 mm) diam steel washers.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 643N 63/2 in.

*Bearing the UL Classification Mark



Hilti Firestop Systems

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