



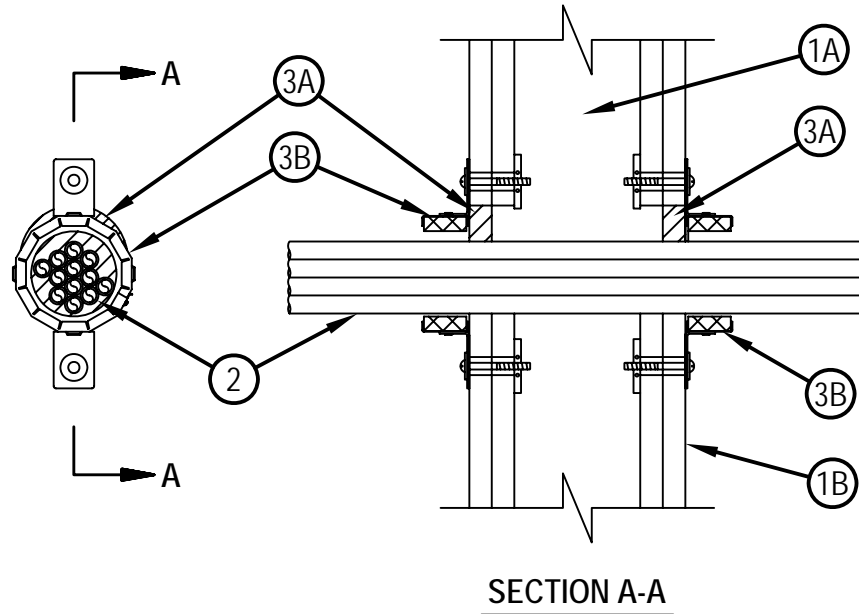
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-L-2559

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1 and 2 Hr (See Item 1)

WL 2559



1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs 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 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Thickness, type, number of layers and orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 3 in. (76 mm).

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

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 2-1/2 in. (64 mm) long steel toggle 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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