



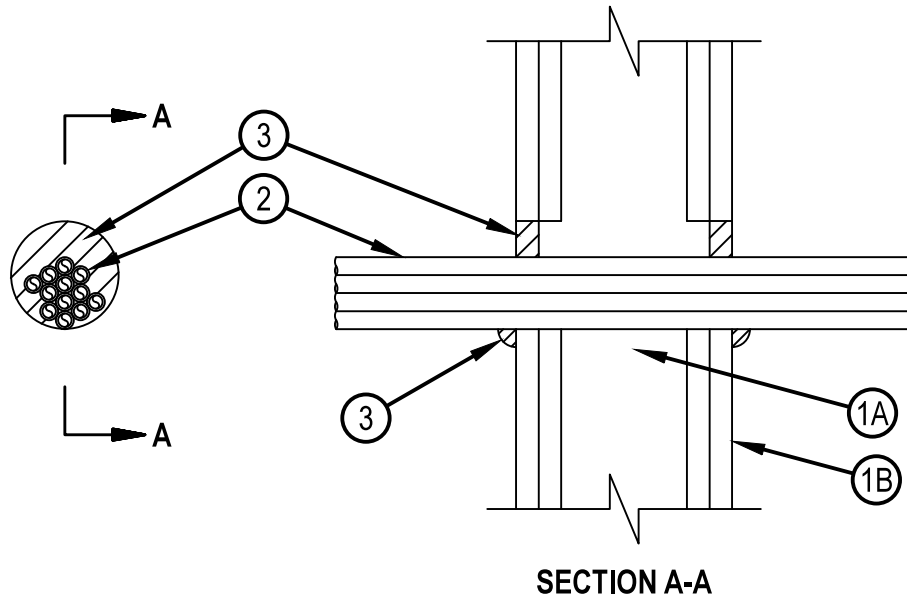
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-L-2558

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1 and 2 Hr (See Item 1)

WL 2558



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, V400 or W400 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 installed either concentrically or eccentrically within the firestop system. Micro ducts may be tightly bundled or individually separated. 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). The annular space between the micro ducts 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. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of sealant applied within annulus, flush with both surfaces of wall. A min 1/2 in. (13 mm) diam bead of sealant to be applied at the micro duct/gypsum board interface at the point contact location.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Hilti Firestop Systems

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