



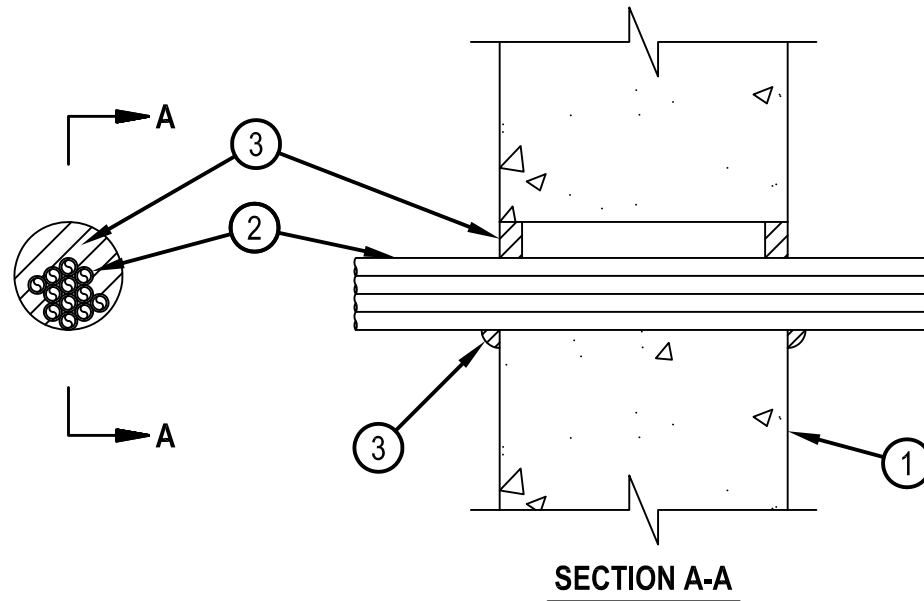
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. W-J-2237

F Rating — 2 Hr

T Rating — 2 Hr

WJ 2237



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 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/wall 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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