



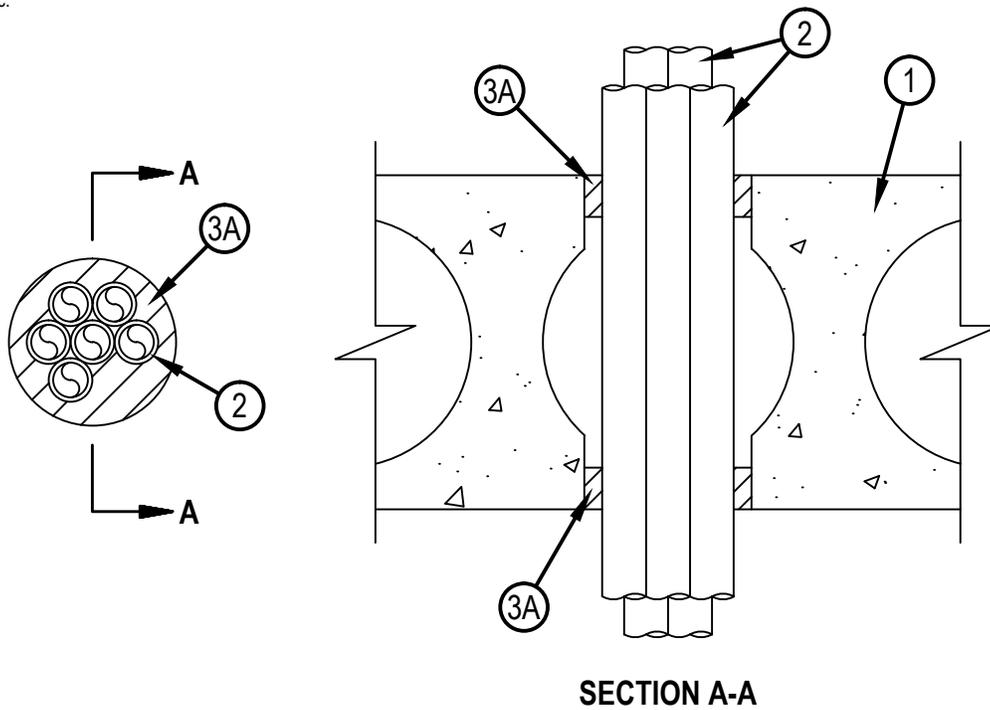
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. C-BJ-2041

F Rating — 3 Hr

T Rating — 3 Hr

CBJ 2041



SECTION A-A

1. Floor or Wall Assembly — Min 8 in. (203 mm) thick floor or wall made from reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Floor assembly may also be constructed of any 8 in. (203 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diameter of opening is 4 in. (102 mm).
See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One to six nonmetallic tubes to be installed either concentrically or eccentrically within the firestop system. Multiple tubes to be tightly bundled when installed within the opening. The annular space between the tube(s) and the periphery of opening shall be min 1/4 in. (6 mm) to max 1-1/4 in. (32 mm). Tubes to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of tubes may be used:
 - A. Crosslinked Polyethylene (PEX) Tubing — Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems.
3. Firestop System — The firestop system shall consist of the following:
 - A. Fill Void or Cavity Material* — Sealant — Min 1 in. (25 mm) thickness of fill material applied within annulus, flush with top and bottom surface of floor or both surfaces of wall.
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

Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
January 15, 2015