



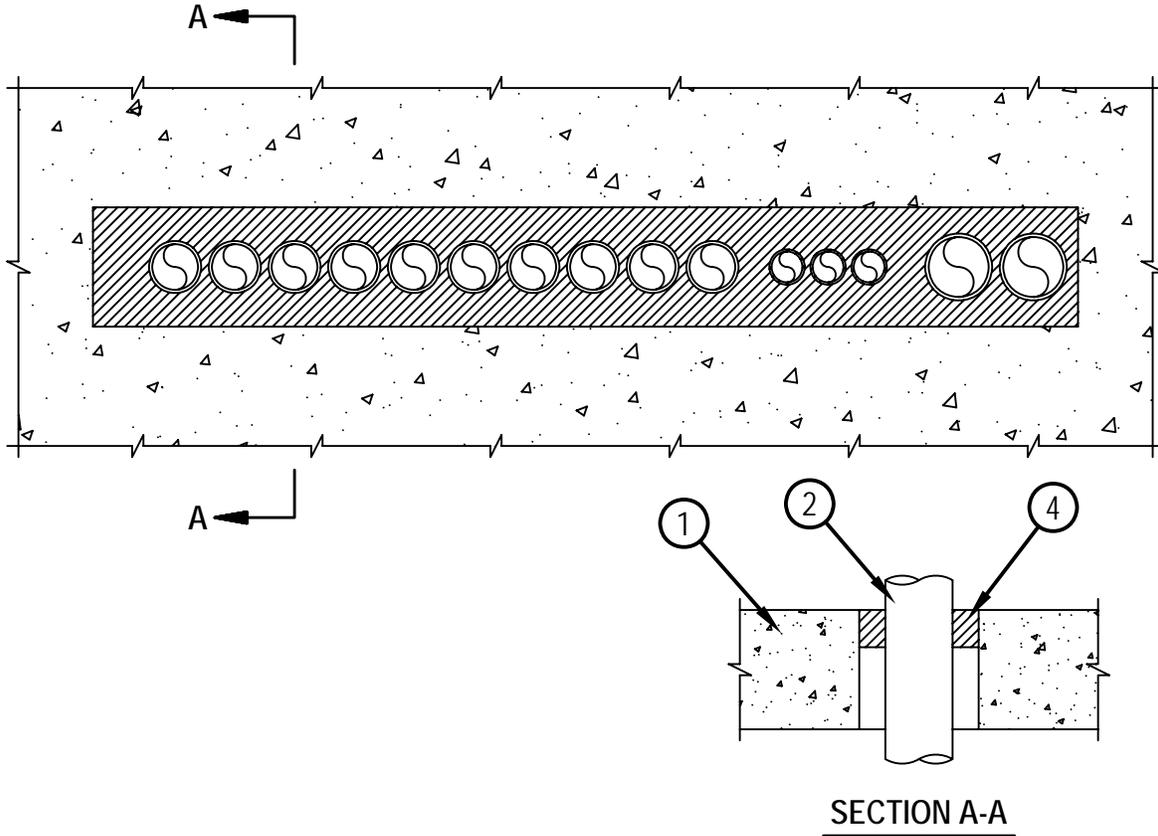
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-BJ-1049

F Rating -- 2 Hr

T Rating -- 0 Hr

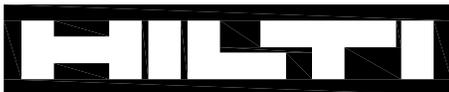
CBJ 1049



1. Floor or Wall Assembly -- Min 8 in. thick reinforced lightweight or normal weight 100-150 pcf concrete. Wall may also be constructed of any UL Classified Concrete Blocks *. Max area of opening is 528 sq in. with max dimension of 66 in.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants -- One or more pipes, conduit or tubing to be installed within the firestop system. Min clearance between pipes, conduits or tubing is min 1/2 in. to max 12 in. Clearance between pipes, conduit or tubing and periphery of through opening is min 1/2 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
 - A. Steel Pipe -- Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. -- ABC
 - B. Iron Pipe -- Nom 4 in. diam (or smaller) cast or ductile iron pipe.
 - C. Conduit -- Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.
3. Forms -- (Not Shown) -- Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, cut to fit the contour of the penetrating item and positioned as required to accommodate the required thickness of fill material. Forms may be removed after fill material has cured.
4. Fill, Void or Cavity Material* -- Mortar -- Min 2-1/2 in. thickness of fill material applied within the annulus flush with top surface of floor or one surface of wall. Fill material is mixed at a rate of 2.5 parts dry mix to one part water by weight in accordance with the installation instructions supplied with fill material.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- Type CP637

*Bearing the UL Classification Mark



Hilti Firestop Systems

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