



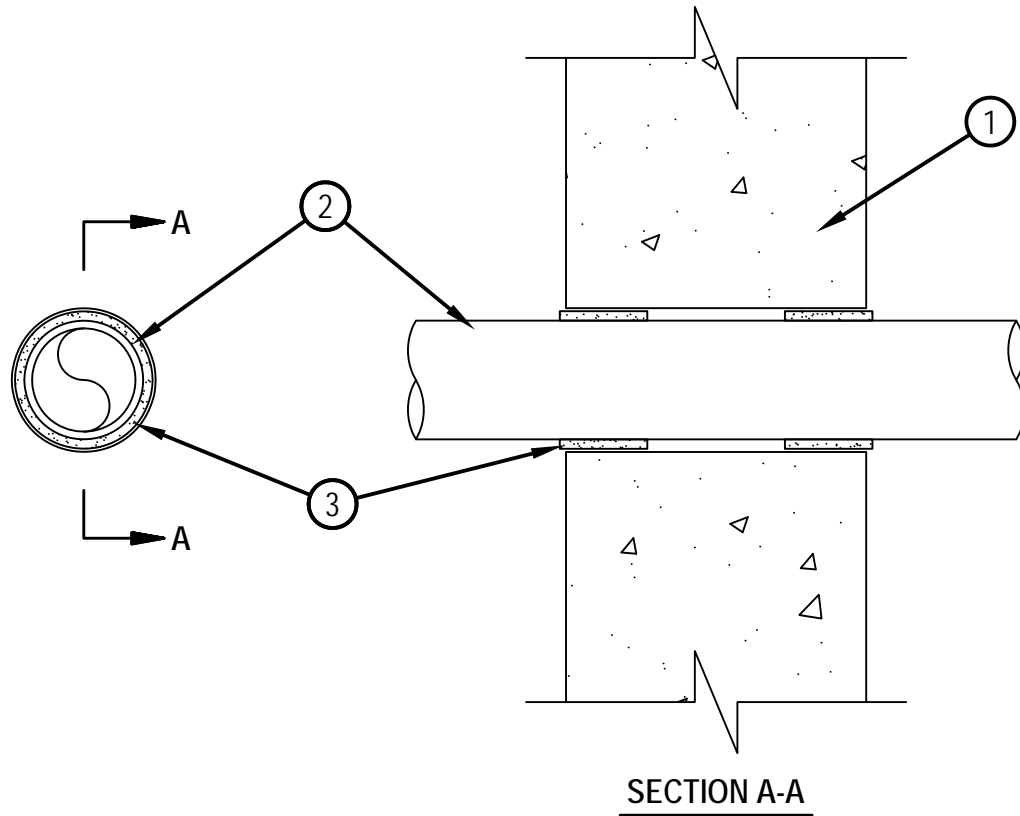
Classified by  
Underwriters Laboratories, Inc.  
to CAN/ULC-S115

## System No. W-J-2012

F Rating -- 2 Hr  
FT Rating -- 1 Hr  
FH Rating -- 2 Hr  
FTH Rating -- 1 Hr



WJ 2012



System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly -- Min 152 mm (6 in.) thick reinforced lightweight or normal weight 1600-2400 kg/cu m (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 83 mm (3-1/4 in.).  
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants -- One nonmetallic pipe to be installed within the firestop system. Nom 51 mm (2 in.) diam (or smaller) Schedule 40 solid core PVC pipe for use in vented (drain, waste or vent) piping systems. A nom annular space of 6 or 13 mm (1/4 or 1/2 in.) is required within the firestop system when one or two layers of wrap strip are used, respectively. Pipe to be rigidly supported on both sides of wall assembly.
3. Firestop System -- The firestop system shall consist of the following:

A. Fill, Void or Cavity Material\* -- Wrap Strip - Layers of intumescent wrap strip are continuously wrapped around the pipe with ends held in place with tape. Wrap strip installed such that the ends are flush with or extend a max of 3 mm (1/8 in.) beyond the surface of the wall. Size of wrap strip and number of layers for a given size wrap strip are shown in table below.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- CP648-E W25/1" or CP648-E W45/1-3/4" Firestop Wrap Strip

Product Designation	Number of Layers	Nom. Wrap Strip Width mm (in.)
CP648-E W25/1"	2	25 (1)
CP648-E W45/1-3/4"	1	44 (1-3/4)

\*Bearing the UL Classification Mark



**Hilti Firestop Systems**

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