



UNS IF	System No. W-J-4049		WJ 4049
	ANSI/UL1479 (ASTM E814)	CAN/ULC S115	
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115	F Rating — 2 Hr	F Rating — 2 Hr	
	T Rating — 1/4 Hr	FT Rating — 1/4 Hr	
		FH Rating — 2 Hr	
		FTH Rating — 1/4 Hr	
be constructed of any solid or filled U (914 mm). See Concrete Blocks (CAZT) catego 2. Cable Racks — A max of three cabl (51 mm) by 3/8 in. (10 mm) solid ste cable rack and the periphery of the o 3. Cables — Max 8 in. (203 mm) cable in. (508 mm) wide. Any combination A. Max 750 kcmil RHW/RHH type B. Max 3/C No. 12 AWG metal-cla C. Max 300 pair No. 24 AWG telep D. Max 24 fiber, fiber-optic cable witt F. Max 3/C No. 12 AWG cable witt F. Max 3/C No. 2/0 AWG (or small G. Through Penetrating Product* - Product category.	JL Classified Concrete Blocks*. Max ory in the Fire Resistance Directory for le racks are permitted in the opening tel side rails. Cable rack to be rigidly opening shall be min 0 in. (point cont e loading depth within the cable rack. of the following types and sizes of co power cable or with polyvinyl chlorid id cable. phone cable with PVC jacket. with PVC jacket.	area of opening is 864 sq. in. (5 or names of manufacturers. J. Max 25 in. (635 mm) wide oper supported on both sides of wall a act) to max 34 in. (864 mm). . Max 6 in. (152 mm) cable loadir opper conductor cables may be u le (PVC) jacket.	ng depth for cable trays greater than 20 used: K 90 cable. ified under the Through Penetrating
CONFIGURATION A			
the wall at each end and no great screw anchors. HILTI CONSTRUCTION CHEMI HILTI INC — CP 675T Z-Frame B. Fill, Void or Cavity Material* — Z-frame and T-bar. HILTI CONSTRUCTION CHEMI HILTI INC — CP 619T Firestop I C. Firestop Device* — T-Bar — T- Horizontal Installation - T-Bar fas T-Bar located max 6 in. (152 mn Vertical Installation (Not Shown)	- Z-frame cut to length for the top and ater than 12 in. (305 mm) OC along i ICALS, DIV OF Putty — Nom 1/4 in. (6 mm) thick by ICALS, DIV OF Putty Roll or CP 618 Firestop Putty S Bar cut 1/4 in. (6 mm) shorter than c stened to back lip of firestop Z-Frame n) below each cable rack and directly - T-Bar fastened to the back lip of th the center of the opening when the	ts length with 3/16 in. (5 mm) by 1 in. (25 mm) wide strip of putty Stick or CP 617 Firestop Putty Pa opening dimension. e (Item 4A) using one 3/8 in. (10 y above the top row of blocks (Ite he top firestop Z-Frame (Item 4A)	mm) long No. 8 steel screw at each end. em 4D).) using one 3/8 in. (10 mm) long No. 8



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D. Fill, Void or Cavity Material* — Block — Min 5 in. (127 mm) depth to fill area between cable rack/cables, wall, and T-bars. Max three rows of blocks above the cable and max three rows of blocks beneath and beside cable racks. Blocks installed with 5 in. (127 mm) dimension projecting through openings flush with back lip of Z-Frame (Item 4A). Either one or a combination of the block types specified below may be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — FS 657 Fire Block or CFS-BL Firestop Block

E. Firestop Device* — Distance Holder — Distance holders clipped over perimeter of first layer of board (Item 4F1), spaced 8 in. (203 mm) OC. HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP 675T Distance Holders

F. Firestop Device^{*} — Board — Board cut to fit within opening with max 1/4 in. (6 mm) gap around perimeter. Board layers installed as described in Items 4F1 and 4F2. When gap between board and opening is 1/8 in. (3.2 mm) to 1/4 in. (6 mm), the gap shall be filled to a 1 in. (25 mm) depth with one of the materials specified in Item 4B.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP 675T Firestop Board

- F1. Board First Layer First layer of board placed into opening with distance holders (Item 4E) against back lip of Z-frame (Item 4A) and putty (Item 4B).
- F2. Board Second Layer Second layer of board placed into opening against back of distance holders (Item 4E). The meeting edges between the board and block, including over T-bar latches (Item 4H), shall be covered with a strip of putty (Item 4B).
- G. Firestop Device* Z-Frame Latch Secured to Z-frame with integral fasteners, and rotated to locked position over second layer of board (Item 4F2). Z-Frame latches shall be located 12 in. (305 mm) OC, with a minimum of two latches per side. The four meeting edges between the wall and the board (including at the Z-Frame latches) shall be covered with a strip of putty (Item 4B). HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP 675T Z-Frame Latch

H. Firestop Device^{*} — T-Bar Latch — Min two T-bar latches spaced max 10 in. (254 mm) OC slid into T-bar (Item 4C) at each interface of board (Item 4F2) and block (Item 4D). HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP 675T T-Bar Latch

CONFIGURATION B

4. Firestop System — The firestop system shall consist of the following:

A. Firestop Device* — Z-Frame — See Item 4A, Configuration A.

- B. Fill, Void or Cavity Material* Putty See Item 4B, Configuration A.
- C. Firestop Device* T-Bar See Item 4C, Configuration A.
- D. Fill, Void or Cavity Material* Block See Item 4D, Configuration A.

*Bearing the UL Classification Mark

+Bearing the UL Listing Mark



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