

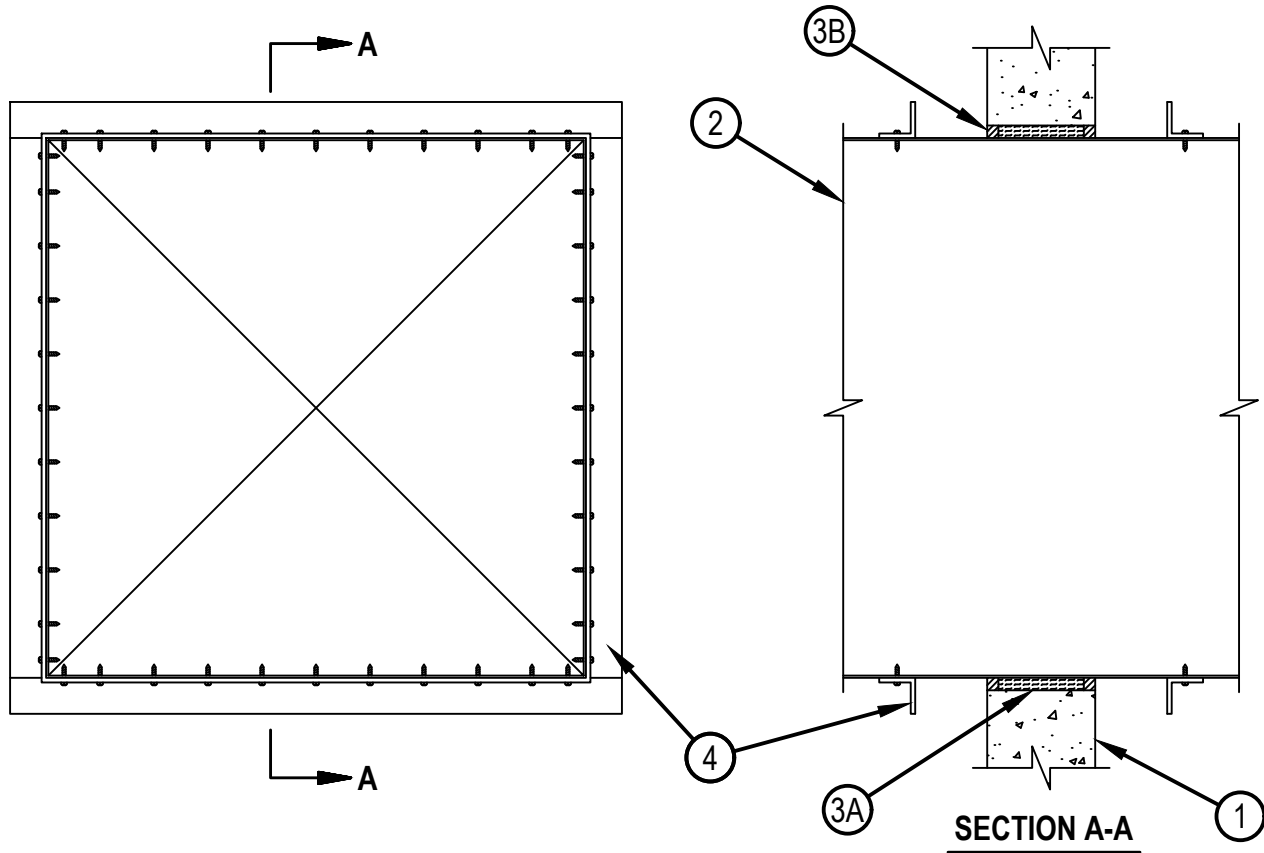


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-J-7152

WJ 7152

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 3/4 Hr	FT Rating — 3/4 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Rating — 2 Hr
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 3/4 Hr
	L Rating at Ambient — Less Than 5.1 L/s/m ³
	L Rating at 400 F — Less Than 5.1 L/s/m ³



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight 100-150 pcf (1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 1008 in.² (6503 cm²) with the max length or width dimension of 31-3/8 in. (797 mm).

See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.



Hilti Firestop Systems

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October 27, 2017

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2. Steel Duct — Max 30 in. by 30 in. (762 mm by 762 mm), min 24 gauge galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 1/4 in. (point contact) to max 1-1/8 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.

2A. Coated Duct* — As an alternate to Item 2, nom 30 by 30 in. (762 by 762 mm) (or smaller) steel air duct; duct supplied coated with BW11 coating material. One duct to be installed within the firestop system with an annular space of min 1/4 in. (6 mm) to max 1-1/8 in. (51 mm). Duct sections shall be assembled using bolted flanges or SMACNA approved Transverse Joint Reinforcements. Duct to be rigidly supported on both sides of the wall assembly.

FIRESPRAY INTERNATIONAL LTD — FLAMEBAR BW11 FIRE RATED DUCTWORK

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

A. Packing Material — Min 4-3/4 in. (121 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material* - Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

4. Steel Angles — Min 1-1/2 in. (38 mm) by 1-1/2 in. (38 mm), min No. 20 gauge galv steel angles secured to steel duct or coated duct with No. 10 (or larger) sheet metal screws spaced max 1 in. (25 mm) from ends and max 3 in. (76 mm) OC or min No. 18 gauge galv steel angles secured to duct with No. 10 (or larger) sheet metal screws spaced max 1 in. (25 mm) from ends and max 6 in. (152 mm) OC. Angles attached to duct on both sides of wall a max of 4 in. (102 mm) from wall.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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