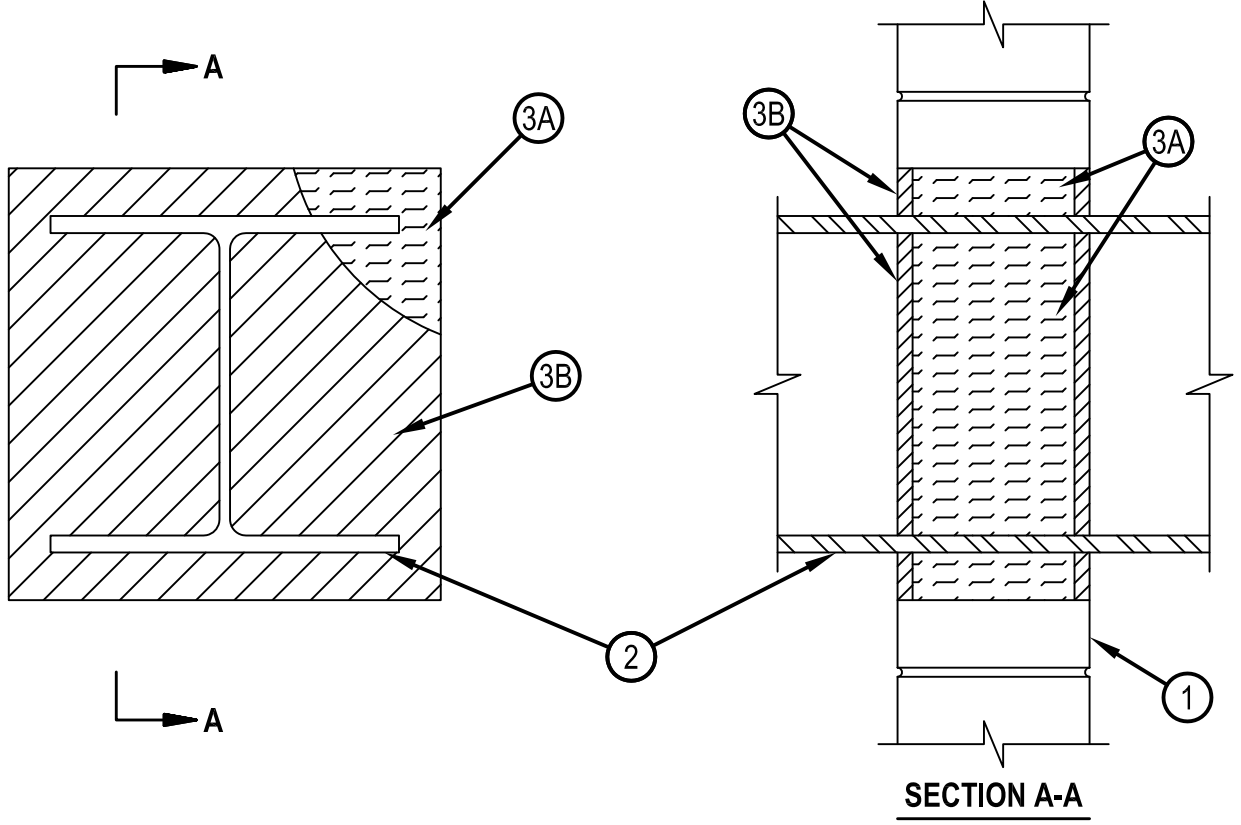


# System No. W-J-7110

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

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 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 — 0 Hr
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



**SECTION A-A**

1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max area of opening is 324 sq in. (0.21 m<sup>2</sup>) with max dim of 18 in. (457 mm).  
 See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.
2. Through Penetrant — One W14X90 (or smaller) steel beam service support to be installed within the firestop system. An annular space of min 1/2 in. (13 mm) to max 3 in. (76 mm) is required between the steel beam and the periphery of the opening. Steel beam service support to be rigidly supported on both sides of wall assembly.
3. Firestop System — The firestop system shall consist of the following items:
  - A. Packing Material — Mineral wool batt insulation, nom 4 pcf (64 kg/m<sup>3</sup>), tightly-packed into opening to full depth of wall except for min 5/8 in. (16 mm) recess on each side of wall as required to accommodate fill material (Item 3B).
  - B. Fill, Void or Cavity Material\* - Sealant — Min 1/2 in. (13 mm) thickness of fill material applied to fill annular space around steel beam flush with each surface 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.



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