

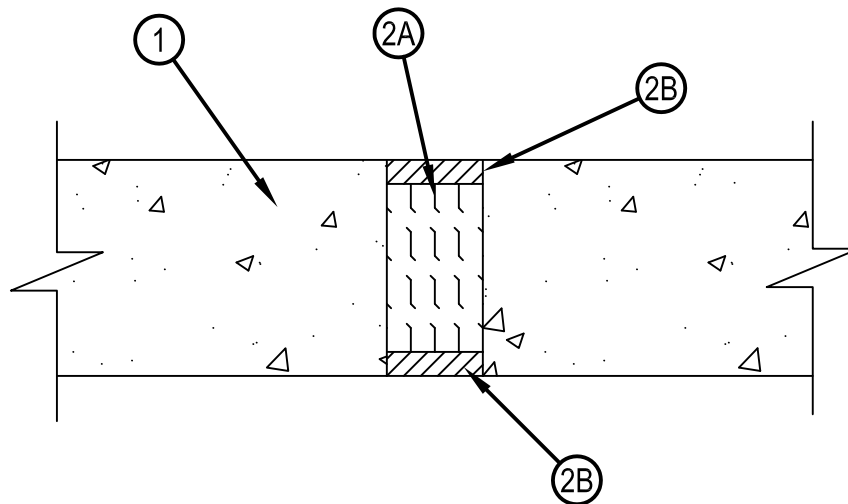


Classified by  
Underwriters Laboratories, Inc.  
to UL 2079 and CAN/ULC-S115

## System No. WW-D-0140

WW-D-0140

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 3 Hr	F Rating — 3 Hr
Nominal Joint Width - 2 In.	FT Rating — 3 Hr
Class I and II Movement Capabilities — 18% Compression or Extension	FH Rating — 3 Hr
	FTH Rating — 3 Hr
	Nominal Joint Width - 2 In.
	Class I and II Movement Capabilities — 18% Compression or Extension



1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m<sup>3</sup>) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*.

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

2. Joint System — Max width of joint is 2 in. (51 mm). The joint system shall consist of the following:

A. Forming Material\* — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation installed in joint opening as a permanent form. Pieces of batt cut to min width of 4 in. and installed edge- first into joint opening, parallel with joint direction, such that batt sections are compressed min 50 percent in thickness and recessed from both surfaces of wall assembly as required to accommodate the required thickness of fill material.

IIG MINWOOL L L C — MinWool-1200 Safing

JOHNS MANVILLE INTERNATIONAL INC — Safing

ROCK WOOL MANUFACTURING CO — Delta Board

THERMAFIBER INC — SAF Mineral Wool

B. Fill, Void or Cavity Material\* — Min 1/2 in. (12 mm) thickness of fill material applied within the joint, flush with both surfaces of wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG

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



**Hilti Firestop Systems**

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