

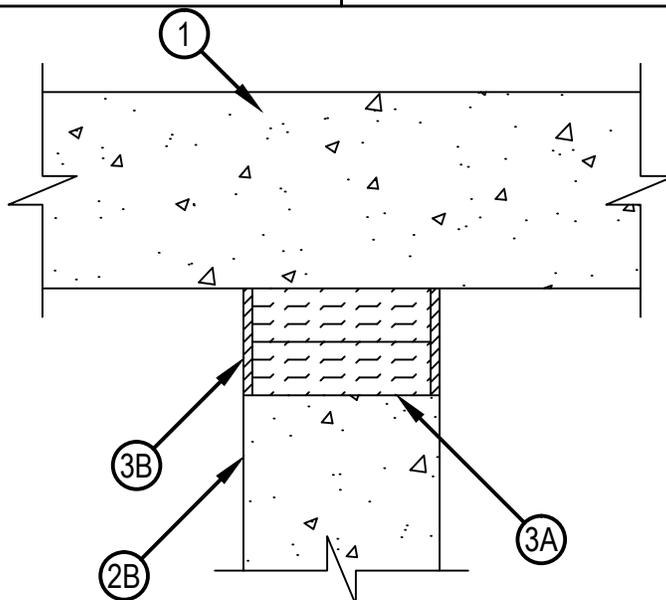


Classified by
Underwriters Laboratories, Inc.
to UL 2079 and CAN/ULC-S115

System No. HW-D-1103

HWD 1103

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 4 Hr	F Rating — 4 Hr
Nominal Joint Width - 3 In.	FT Rating — 4 Hr
Class II Movement Capabilities - 12.5% Compression or Extension	FH Rating — 4 Hr
L Rating at Ambient - Less than 1 CFM/Lin Ft	FTH Rating — 4 Hr
L Rating at 400°F - Less than 1 CFM/Lin Ft	Nominal Joint Width - 3In.
	Class II Movement Capabilities - 12.5% Compression or Extension
	L Rating at Ambient - Less than 1 CFM/Lin Ft
	L Rating at 400°F - Less than 1 CFM/Lin Ft



1. Floor Assembly — Min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) structural concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core Precast Concrete Units*.

See Precast Concrete Units (CFTV) category in the Fire Resistance Directory for names of manufacturers.

2. Wall Assembly* — Min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) 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.

3. Joint System — Max width of joint (at time of installation of joint) is 3 in. (76 mm). The joint system is designed to accommodate a max 12.5 percent compression or extension from its installed width. The joint system shall consist of the following:

A. Forming Material* — Min 4.0 pcf (64 kg/cu meter) mineral wool batt insulation installed in joint opening as a permanent form. Pieces of batt cut to min width of 5 in. (127 mm) and installed edge-first into joint opening, parallel with joint direction, such that batt sections are compressed min 50 percent in thickness and such that the compressed batt sections are recessed from both surfaces of wall to accommodate the required thickness of fill material.

ROCK WOOL MANUFACTURING CO — Delta Safing Board

IIG MINWOOL L L C — MinWool-1200 Safing

THERMAFIBER INC — Type SAF

B. Fill, Void or Cavity Material* — (Caulk) — Min 1/4 in. (6 mm) thickness of fill material applied within the joint, flush with both surfaces of wall.

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

*Bearing the UL Classification Mark



Hilti Firestop Systems

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December 26, 2013