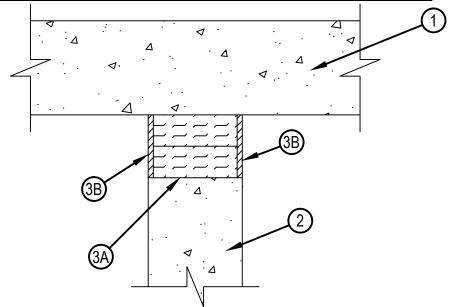


Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115 System No. HW-D-1104

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width - 3 In.	FT Rating — 2 Hr
Class II Movement Capabilities — 33% Extension or Compression	FT Rating — 2 Hr
L Rating at Ambient - Less than 1 CFM/Lin Ft	FTH Rating — 2 Hr
L Rating at 400°F - Less than 1 CFM/Lin Ft	Nominal Joint Width - 3 In.
	Class II Movement Capabilities — 33% Extension or Compression
	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 4-1/2 in. (114 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 4-1/2 in. (114 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 system) in 3 in. (76 mm). The joint system is designed to accommodate a max 33 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 insulation installed in joint opening as a permanent form. Pieces of batt cut to min width of 4 in. (102 mm) and installed edge-first into the joint opening, parallel with the joint direction, such that batt sections are compressed min 50 percent in thickness and that the compressed batt sections are recessed from each surface of wall to accommodate the required thickness of fill material.

ROCK WOOL MANUFACTURING CO - Delta Board

IIG MINWOOL L L C — MinWool-1200 Safing

THERMAFIBER INC — SAF Mineral Wool

B. Fill, Void or Cavity Material\* - Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-S SIL GG

\*Bearing the UL Classification Mark

