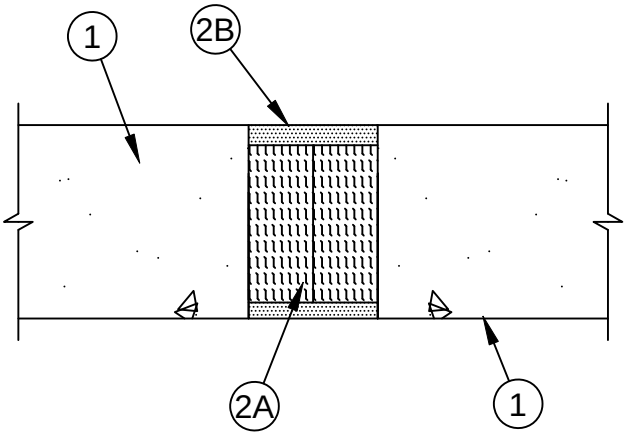
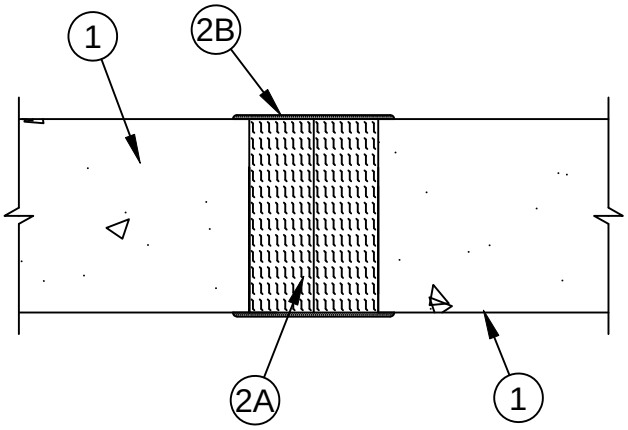
System No. WW-D-1091

ANSI/UL2079	CAN/ULC S115
Assembly Rating - 2 Hr	F Rating - 2 Hr
Nominal Joint Width - 4 in. (102 mm)	FT Rating - 2 Hr
Class II Movement Capabilities - 7, 15 and 25 % Compression or Extension (See Table)	FH 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 - 4 in. (102 mm)
	Class II Movement Capabilities - 7, 15 and 25 % Compression or Extension (See Table)
	L Rating At Ambient - Less Than 1 CFM/lin ft
	L Rating At 400 F - Less Than 1 CFM/lin ft



CONFIGURATION A



CONFIGURATION B

1. **Wall Assembly -** Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Additionally, thickness of concrete wall shall be equal to or greater than thickness of gypsum board wall. 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.

CONFIGURATION A

2. **Joint -** Max width of joint (at time of installation) is 4 in. (102 mm). The joint system is designed to accommodate for various percentages in compression or extension from its installed width depending on the product used (See Table Below). The joint system shall consist of forming and fill materials as follows:

   A. **Forming Material* -** Min 4 pcf (64 kg/m3) mineral wool batt 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 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 each surface of the wall to accommodate the required thickness of fill material (Item 3B). Adjoining lengths of batt to be tightly-butted with butted seams spaced min 16 in. (406 mm) apart along the length of the joint.

   IIG MINWOOL L L C - MinWool-1200 Safing

   ROCK WOOL MANUFACTURING CO - Delta Board

   ROCKWOOL MALAYSIA SDN BHD - SAFE

   ROXUL INC - SAFE

   THERMAFIBER INC - Type SAF

B. **Fill, Void or Cavity Material* Sealant -** Min 5/8 in. (16 mm) thickness of fill material installed on each side of the wall between the side of the gypsum board and the face of the concrete wall assembly, flush with each surface of the gypsum wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal ES Sealant, SpecSeal LC150 Sealant, SpecSeal LCI Sealant and SpecSeal SIL300 Series Sealant

The Movement Capabilities for each product are shown in following table:

Product	Movement Capabilities	
	Compression %	Extension %
ES Sealant	15	15
ES Sealant	25	0
LC150 Sealant	7	7
LCI Sealant	25	0
SIL300 Sealant	25	25

CONFIGURATION B

3. **Joint -** Max width of joint (at time of installation) 4 in. (102 mm). The joint system is designed to accommodate a max 25% in compression or extension from its installed width. The joint system shall consist of forming and fill materials as follows:

A. **Forming Material* -** Sections of min 4 pcf (64 kg/m3) density mineral wool batt compressed 50 percent in thickness and installed cut edge first to completely fill the gap between the gypsum board and the concrete wall. The forming material shall be installed flush with both surfaces of wall.

IIG MINWOOL L L C - MinWool-1200 Safing

ROCK WOOL MANUFACTURING CO - Delta Board

ROCKWOOL MALAYSIA SDN BHD - SAFE

ROXUL INC - SAFE

THERMAFIBER INC - Type SAF

B. **Fill, Void or Cavity Material* - Sealant -** Min 1/16 in. (1.6 mm) dry thickness (1/8 in. or 3.2 mm wet thickness) of fill material spray applied over the forming material (Item 3A) on each side of the wall and overlap a min 1/2 in. (13 mm) onto gypsum board and concrete wall on both sides of the wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal AS200 Elastomeric Spray

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