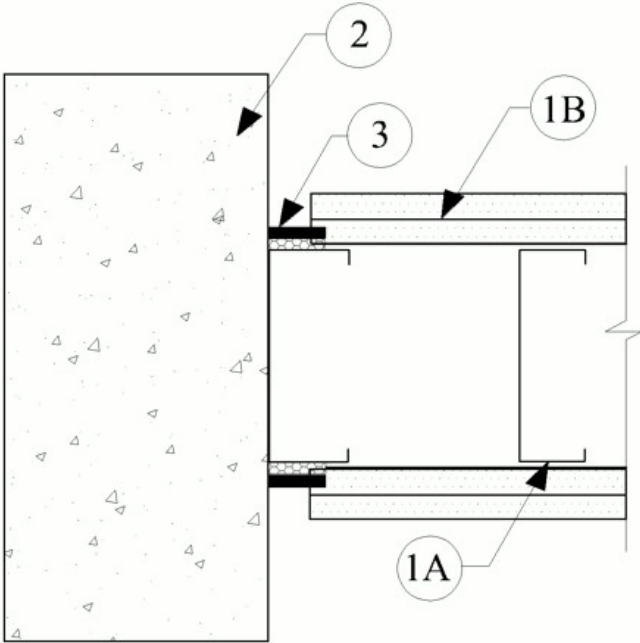
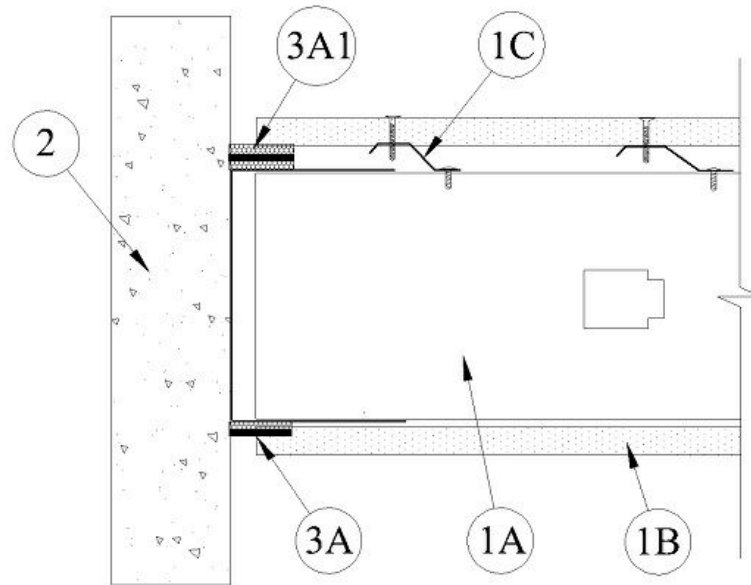


ANSI/UL2079	CAN/ULC S115
Assembly Rating - 1 & 2 Hr (See item 2)	F Rating - 1 & 2 Hr (See Item 2)
Joint Width - 3/4 In. Maximum	FT Rating - 1 & 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/Lin ft	FH Rating - 1 & 2 Hr (See Item 2)
L Rating At 400°F — Less Than 1 CFM/Lin ft	FTH Rating - 1 & 2 Hr (See Item 2)
	Joint Width - 19 mm Maximum
	L Rating At Ambient — Less Than 1.55 CFM/Lin ft
	L Rating At 200°C — Less Than 1.55 CFM/Lin ft



Configuration A



Configuration B

**1. Wall Assembly** — The 1 or 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs** — Steel studs to be min 3-1/2 in. (89 mm) wide by 1-1/4 in. (32 mm) deep corrosion protected min 25 MSG steel channels. Stud spacing not to exceed 24 in. (610 mm) OC, with first stud located max. 24 in. (610 mm) O/C from wall assembly (Item 2).
- B. Gypsum Board\*** — Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) or 1-1/4 in. (32 mm) on each side of wall for 1 and 2 hr fire rated assemblies, respectively. A max 3/4 in. (19 mm) gap shall be maintained between the edges of the gypsum board and the concrete wall assembly (Item 2).  
**The hourly rating of the joint system is dependent on the hourly fire rating of the wall assembly in which it is installed.**
- C. Resilient Channels** — (Config. B) — Furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. (610 mm) OC. Flange portion attached to each intersecting stud with 1/2 in. (13 mm) long Type S-12 pan-head steel screws. Gypsum board attached to resilient channels as described in Item 2B.

**2. Wall Assembly** — Min 4-3/4 in. (121 mm) thick steel-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\***. 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) is 3/4 in. (19mm). The joint system shall consist of the following:  
**A. Fill, Void or Cavity Material\*** — Min. 1 in. (25 mm) wide composite thermal gasket intumescent strip applied to End Stud both sides with vertical edge of gasket in continuous and firm contact with wall assembly (Item 2). Gypsum board to overlap a min. of 1/4 in. (6 mm) over the gasket and fastened max. 12 in. O/C with end stud attached to wall assembly max. 24 in. (305 mm) O/C.  
**SAFTI SEAL** — FRG 75

**A1. Fill, Void or Cavity Material (Config B)** - Min. 1 in. (25 mm) wide composite thermal gasket intumescent strip applied to End Stud both sides with vertical edge of gasket in continuous and firm contact with wall assembly (Item 2). Gypsum board to overlap a min. of 1/4 in. (6 mm) over the gasket and fastened to Resilient Channels with end stud attached to wall assembly max. 24 in. (305 mm) O/C.  
**SAFTI SEAL** — RCG-75

**B. Fill, Void or Cavity Material\* — Sealant** — (Optional) - A bead or dab of sealant may be used to seal small gaps in substrate adjacent to Saffti Seal FRG to maintain L Ratings.

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UNITED STATES GYPSUM CO — Type AS

**RECTORSEAL** — [Metacaulk 150+](#), 1000, 1200

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