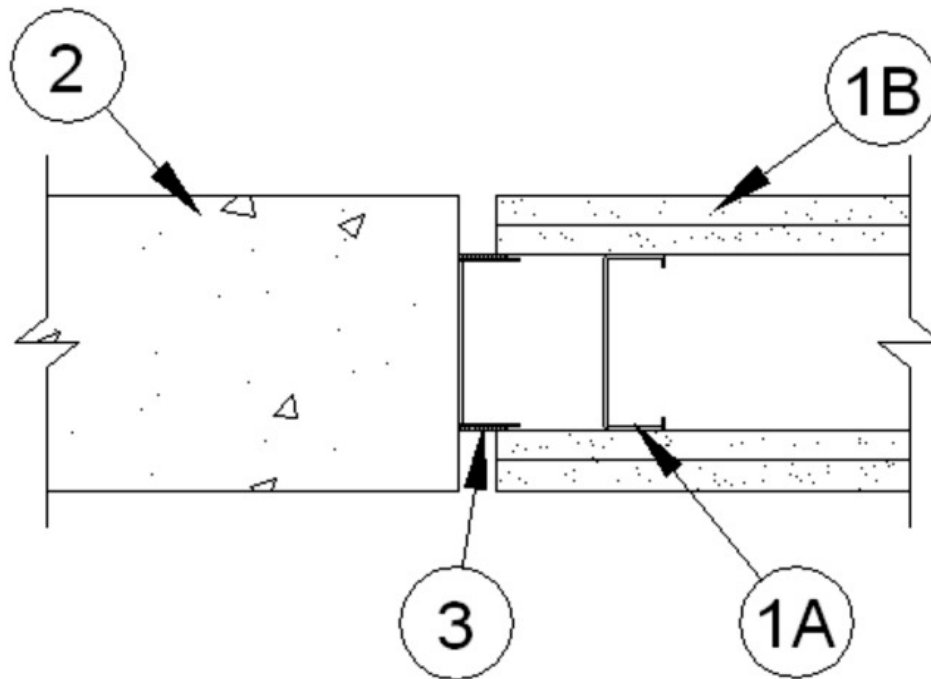


ANSI/UL2079	CAN/ULC S115
Assembly Rating - 1 & 2 Hr (See item 2)	F Rating - 1 & 2 Hr (See Item 2)
Joint Width - 3/4 In. Maximum	FT Rating - 1 & 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/Lin ft	FH Rating - 1 & 2 Hr (See Item 2)
L Rating At 400 F — Less Than 1 CFM/Lin ft	FTH Rating - 1 &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



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 1-1/4in. (32 mm) deep corrosion protected min 25 MSG steel channels. End stud to be provided with a fill, void or cavity material as described in Item 3A 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).

A1. **Studs** — As an alternate to studs (Item 1A) and when fill, void, cavity (Item 3B) is used steel studs to be min 3-1/2 in. (89 mm) wide by 1-1/4in. (32 mm) deep corrosion protected min 25 MSG steel channels. Stud spacing not to exceed 24 in. (610 mm) OC with End Stud located against and attached to substrate with typical steel fasteners max. 24 in. (610 mm) O/C (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.

2. Wall Assembly — Min 4-3/4 in. (121 mm) thick steel- reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) 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, Cavity Material*** — The joint system shall consist of a nom 20 ga U-shaped steel track having 2 in. (51mm)

legs with a 1 in. (25 mm) intumescent strip affixed to the top of both legs. Gypsum board to overlap a min. of 1/4 in. (6 mm) over the intumescent strip and fastened to track legs max. 12 in. (305 mm) O/C. Vertical runner attached to wall assembly (Item 2) with typical steel fasteners max 24 in. (610 mm) OC.

SAFTI SEAL INC — Safti-Frame VT2 series

B. Fill, Void or Cavity Material* — Min. 1 in. (25 mm) wide intumescent strip applied to End Stud both sides with vertical edge of strip in continuous and firm contact with wall assembly (Item 2). Gypsum board to overlap a min. of 1/4 in. (6 mm) over the intumescent strip and fastened max. 12 in. O/C with end stud attached to wall assembly max. 24 in. (305 mm) O/C.

SAFTI SEAL INC — Safti-Strip 75

C. Fill, Void or Cavity Material* — Sealant — (Optional) - A bead or dab of sealant may be used to seal small gaps in substrate adjacent to Safti-Frame or Safti-Strip to maintain L Ratings.

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.

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