

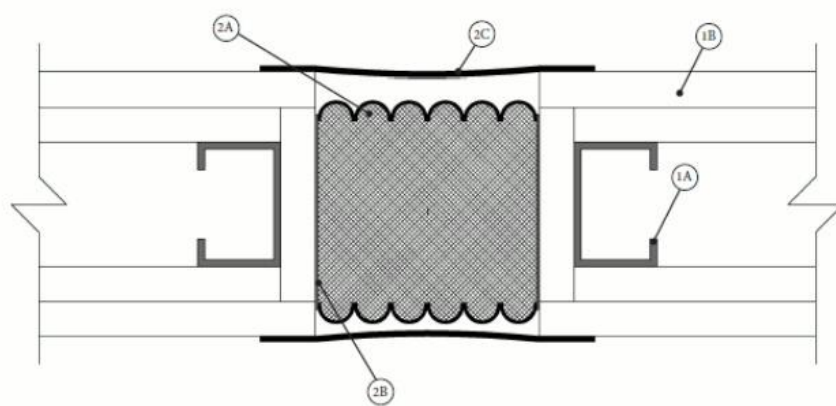
## System No. WW-D-1123

October 5, 2013

**Assembly Rating — 1 or 2 Hr (See Item 1)**

**Nominal Joint Width -2 to 4-1/2 in.**

**Class II and III Movement Capabilities —25 % Compression or Extension**



1. **Wall Assembly** — The 1 or 2 hr fire rated gypsum wallboard/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) (or larger) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board\*** — Gypsum sheets to be installed to a min total thickness of 5/8 (16 mm) or 1-1/4 in. (32 mm) on each side of the wall for a 1 or 2 hr rated assemblies, respectively. Additional gypsum board sheets installed to a min total thickness of 5/8 (16mm) or 1-1/4 in. (32 mm) within the opening on each side of opening for a 1 or 2 hr rated assemblies, respectively.

**The hourly ratings of the joint system are dependent on the hourly fire rating of the wall.**

2. **Joint System** — — **Nominal width of joint is 2 in. to 4-1/2 in. (51 to 114 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width.** The joint system shall consist of the following:

A. **Mechanical Joint Assembly\*** — Compressed, fire-retardant impregnated, 4 in. (102 mm) deep foam uncoated or coated on each side with silicone or pick resistant urethane. Foam is installed in joint opening as a permanent form.

**WILLSEAL L L C** — FR Joint UC or FR Joint

B. **Epoxy Adhesive** — Consists of two parts; part A (base), and part B (hardener). The epoxy is supplied by joint system manufacturer, and installed in accordance with installation instructions.

C. **Joint Cover +** — Nominal .045 in. thick (1 mm) Class A non-metallic joint cover / roofing membrane supplied by manufacturer installed on joint in accordance with the installation instructions accompanying the units.

+See Roofing Membranes (CHCI) category or Roofing Systems (TGFU) category in the directory for names of manufacturers

C1. **Joint Cover** — (Alternate to Item C) Nominal .08 in. thick (2 mm) silicone joint cover supplied by manufacturer installed on joint in accordance with the installation instructions accompanying the units.

\*Bearing the UL Classification Mark

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