



XHBN.WW-D-0182 - Joint Systems

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHBN - Joint Systems

XHBN7 - Joint Systems Certified for Canada

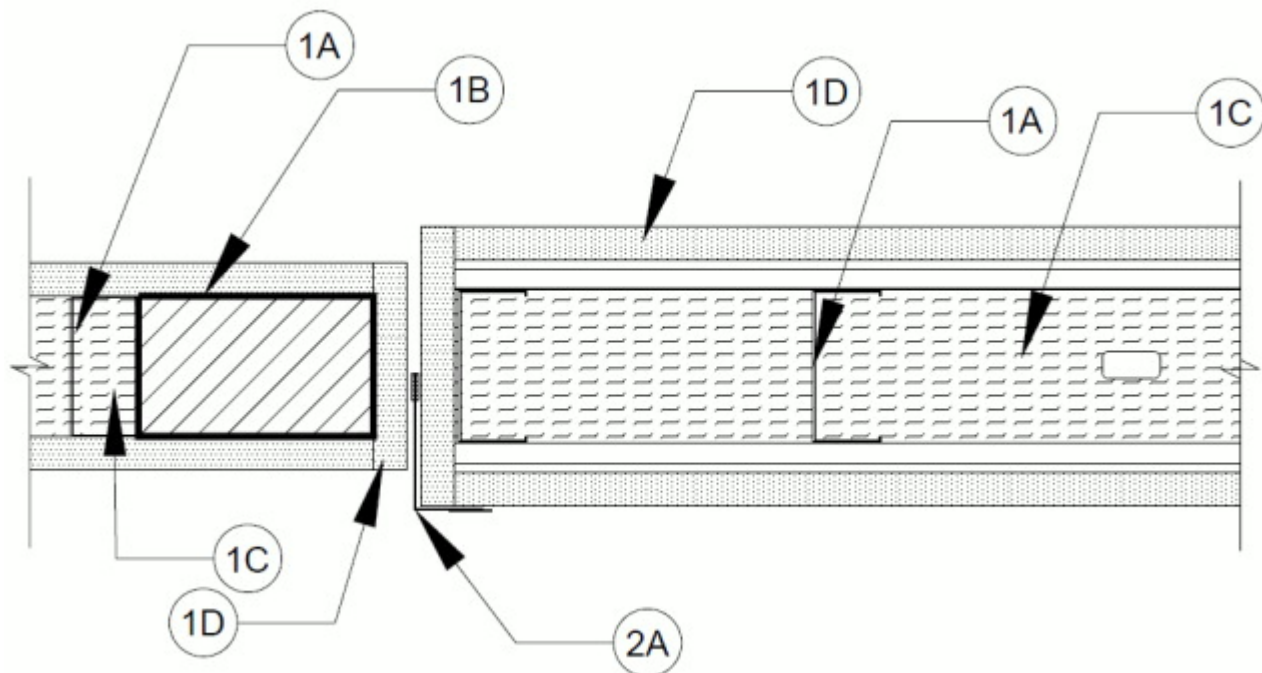
See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. WW-D-0182

June 24, 2015

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 1 Hr	F Rating — 1 Hr
Nominal Joint Width — 1/4 in.	FT Rating — 1 Hr
Class II or III Movement Capabilities — °±1/2 in. Sheer movement, in and out of the plane of the wall	FH Rating — 1 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FTH Rating — 1 Hr
L Rating At 400 F — Less Than 1 CFM/sq ft	Nominal Joint Width — 6 mm
	Class II or III Movement Capabilities — °±1/2 in. Sheer movement, in and out of the plane of the wall
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 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. Stud spacing not to exceed 24 in. (610 mm) OC.

B. **Aluminum Framing** — Immediately adjacent to a stud (Item 1A) on one side of the wall-wall joint assembly a rectangular tubing mullion shall be min 2-1/2 in. (64 mm) wide by 4-1/2 in. (114 mm) deep and shall be formed from min 0.125 in. (3.2 mm) thick aluminum.

C. **Batts and Blankets*** — Glass fiber or mineral wool batt insulation placed to fill stud cavity. Glass fiber insulation to have a min density of 0.9 pcf (14 kg/m³) and a min R-13 thermal insulation rating. Mineral wool batt insulation to have a min density of 3 pcf (48 kg/m³).

See Batts and Blankets (BKNV) Category in the Building Materials Directory and Batts and Blankets (BZJZ) Category in the Fire Resistance Directory for names of Classified Companies.

D. **Gypsum Board*** — Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) on each side of wall. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. The inside of the opening on the stud wall side is to be lined min total thickness of 5/8 in. (16 mm) of gypsum board. After installation of c aluminum framing member (Item 1B), a layer of gypsum board to be installed covering framing member (Item 1B) on the three exposed sides in accordance with the rated wall assembly. A maximum 1/4 in. (6 mm) gap shall be maintained between the gypsum board wall and the finished curtain wall framing member.

2. Joint System — Max separation between the gypsum board walls is 1/4 in. (6 mm). The joint is designed for 1/2 in. (13 mm) shear movement in and out of the plane of the wall. The joint system consists of the following:

A. **Fill, Void or Cavity Material*** — Min 25 ga L-shaped angle having a 1-1/4 in. (32 mm) leg and 2-1/2 in. (64 mm) leg with two nominal 1/2 in. (13 mm) wide intumescent strips attached on both sides at the end of the leg. Angle is to be attached to the finished gyp wall with steel fasteners spaced max 8 in. (203 mm) on center.

CALIFORNIA EXPANDED METAL PRODUCTS CO — FAS Vertical Drift Joint

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

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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