



**System No. WW-D-1159
XHBN.WW-D-1159
Joint Systems**

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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.

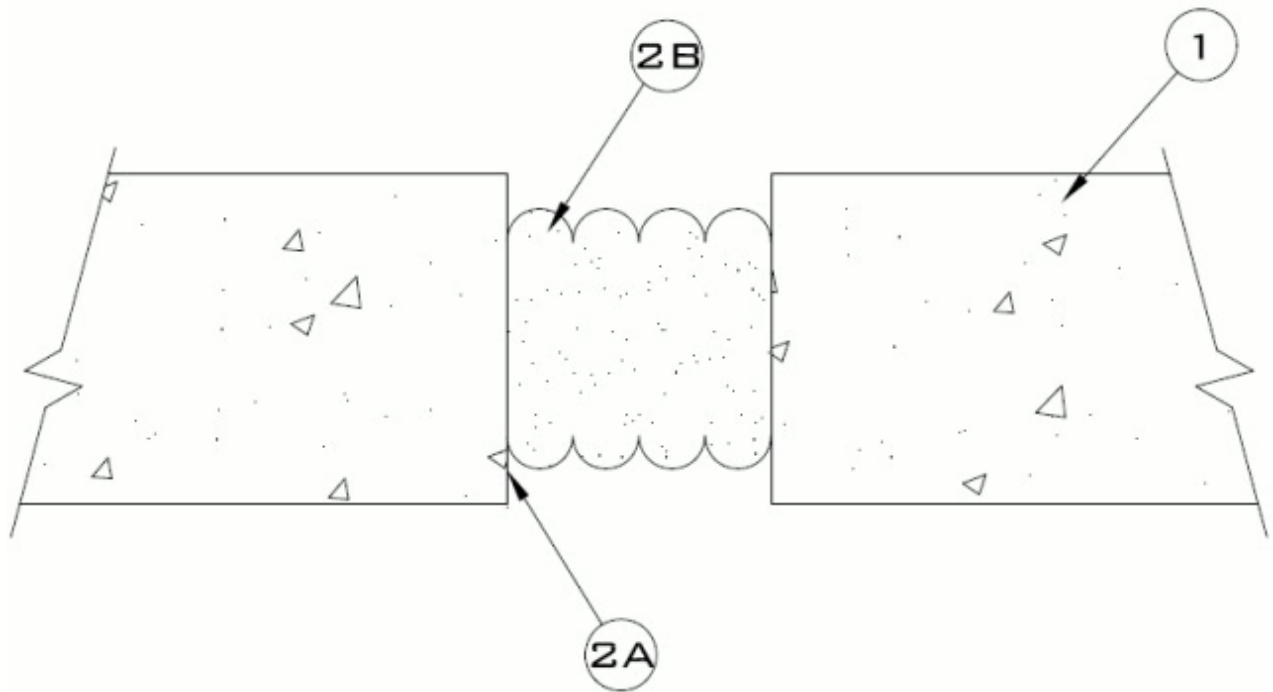
XHBN - Joint Systems

[See General Information for Joint Systems](#)

System No. WW-D-1159

August 22, 2014

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width — 2-4 in. (51-102 mm)	FT Rating — 2 Hr
Class II and III Movement Capabilities — 50% Compression or Extension	FH Rating — 2 Hr
	FTH Rating — 2 Hr
	Nominal Joint Width — 2-4 in. (51-102 mm)
	Class II and III Movement Capabilities — 50% Compression or Extension



1. **Wall Assembly** — Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural 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.

2. **Joint System** — Nominal width of joint is 4 in. (102 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width. The joint system shall consist of the following:

A. **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 accompanying installation instructions.

B. **Mechanical Joint Assembly*** — Compressed, fire-retardant impregnated 3-3/4 in. (95 mm) thick foam. Foam is comprised of horizontal or vertical laminations. Foam is installed in joint opening as a permanent form.

EMSEAL L L C — WFR2

*** 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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