ONLINE CERTIFICATIONS DIRECTORY

System No. FF-D-1175
XHBN.FF-D-1175
Joint Systems

Page Bottom

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

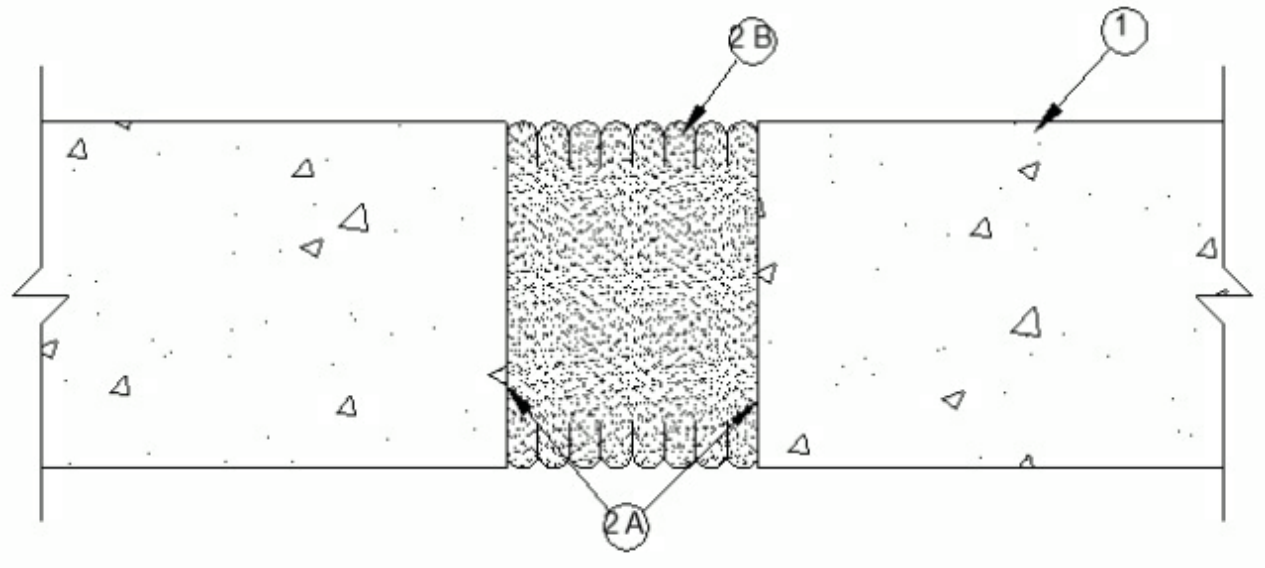
See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. FF-D-1175

July 12, 2016

ANSI / UL2079	CAN / ULC S115
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width — 5 in.	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 — 127 mm
	Class II and III Movement Capabilities — 50 % Compression or Extension



1. **Floor Assembly —** Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete.

2. **Joint System — Max width of joint at time of installation is 5 in. (127 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) or one part gun grade adhesive. The adhesive is supplied by joint system manufacturer, and installed in accordance with accompanying installation instructions.

B. **Mechanical Joint Assembly* —** Compressed, fire-retardant impregnated, 4 in. (102 mm) deep foam coated on both sides with a factory applied sealant, making the overall thickness of the seal 5 in. (127 mm). Foam is installed in joint opening as a permanent form.

WILLSEAL L L C — FR Joint

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

Last Updated on 2016-07-12

Questions? Print this page Terms of Use Page Top

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Devin Gates
SUBMITTED BY

0784460-004
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

0784460
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◉ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

Product data and engineering judgement for firesafing at dynamic conditions only.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Devin Gates — REVIEWED BY
3/30/17 — DATE

To be completed by Reviewer

07 8446-004
CANNON DESIGN SUBMITTAL NUMBER

3/30/17
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◉ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

SEE ATTACHED COMMENTS.

Kelvin Patel — REVIEWED BY
Digitally signed by Kelvin Patel
DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel
Date: 2017.04.03 13:33:17-05'00'
04/03/17 — DATE

A/E COMMENTS:

This engineering judgment (EJ) does not appear to include the back-pan and insulation mounted to and protecting the curtain wall spandrel. The fire resistive joint system EJ must be comprehensive including both the connection to the slab and the fire protection at the spandrel. The engineering judgment should be signed by a fire protection engineer, the one submitted does not appear to be signed by a fire protection engineer.

Additionally, the fire protection engineer should be considering the continuity of the fire resistive joint as it terminates and transitions to joints beyond this application area. Compatibility with adjacent systems and products will need to be verified by the construction management team as well as transition details should be provided as part of the engineering judgment.

Finally, as referenced in the engineering judgment itself, the final engineering judgment documents shall be approved by the local Authorities Having Jurisdiction (AHJ) and a record of this approval must be submitted for record as part of the submittal process.

We believe the AHJ may have issues approving the provided engineering judgment for reasons (not limited to) those listed below;
1.The EJ should be written and signed by a fire protection engineer.
2.The EJ should address the continuity of the protection between the EJ designated system and the adjacent systems.
3.The compatibility of components or products in EJ system and adjacent systems is addressed at transitions.
4.The EJ should address transition details between designated system it transitions.
5.The submitted EJ indicates it does not address the structural integrity of the joint in a fire. We believe this is a key performance requirement of interest to an AHJ……that the joint will perform in a fire.