

Request For Information

Submitted By: Russell Hovis
Title: Construction Supervisor II
Region: III
Institution: CIM
Project Name: Replace Roofs (Program Phase 1 - 4)
Title: Roof Replacement - Phase 1 Facility B

RFI#: 013
Date: 3/11/2026
Needed By: 3/25/2026
CCM Proj. # I-001123
A/E Proj. # 22-090



RFI Description – Correctional Construction Mentorship Program (CCM)

Plan set 22-090 CB 2 page A3.1 details 3 and 4 shows a fire seal material to be installed within the expansion joint. Please provide an rated UL system for for fire seal.

Location: CIM Facility B

Attachments

Plan(s) Sht/Detail: 22-090 A3.1 Details 3 and 4	Product Data: N/A
Specification: Attached	Memo / Letter: N/A
Submittals: N/A	Images: N/A
Shop Drawings: N/A	Other: N/A

Response To RFI – Architecture and Engineering Section

The attached UL XHBN Joint Systems are acceptable depending upon the conditions and joint widths.
FW-D-0052
FW-D-1073
FF-D-0075
FF-D-1086
A Construction Bulletin will be issued.

Attachments

Plan(s) Sht/Detail: N/A	Product Data: N/A
Specification: N/A	Memo / Letter: N/A
Submittals: N/A	Images: N/A
Shop Drawings: N/A	Other: FW-D-0052, FW-D-1073, FF-D-0075, FF-D-1086

Response By: Eileen Tumlin, Senior Architect

Date: 3/25/2026

Access Compliance Review for Attachment: Not Required

SFM Approval for Attachment: Required

Timestamp of Response: [Final A/E]

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- 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.
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XHBN – Joint Systems

XHBN7 – Joint Systems Certified for Canada

[See General Information for Joint Systems](#)

[See General Information for Joint Systems Certified for Canada](#)

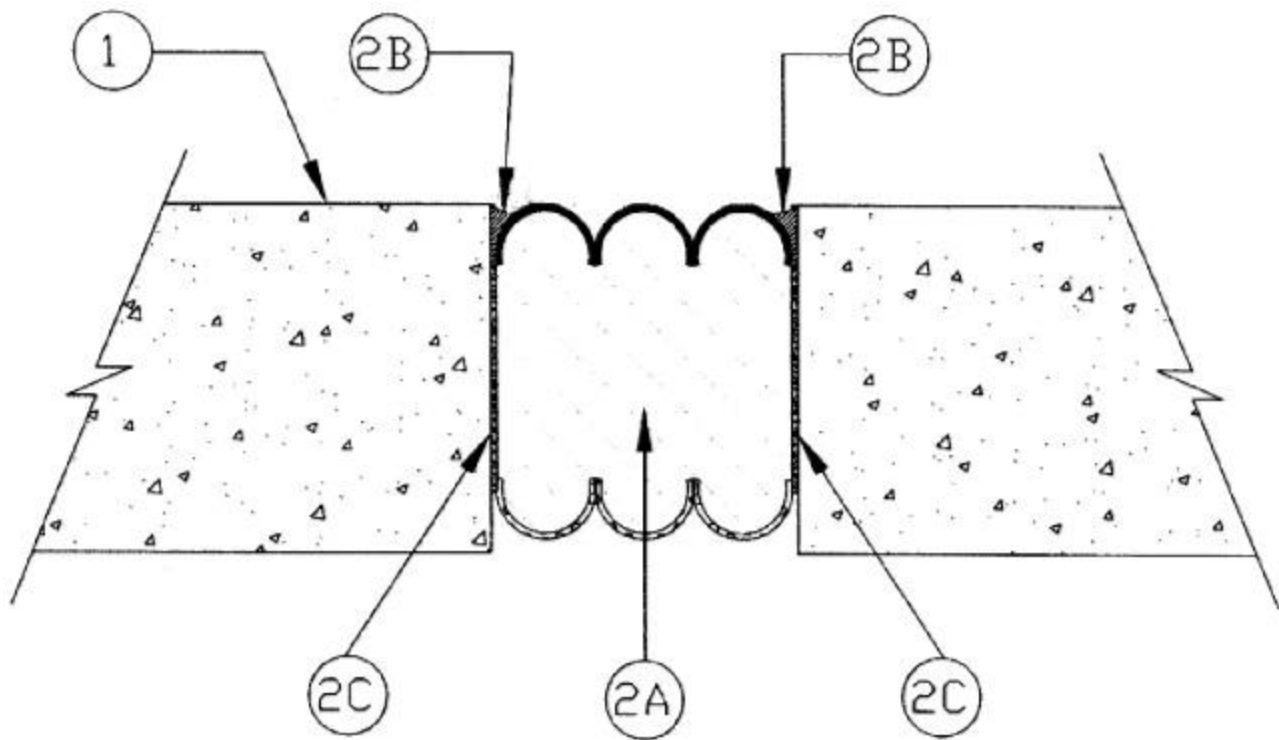
System No. FF-D-0075

August 31, 2015

ANSI/UL2079

CAN/ULC S115

Assembly Ratings – 2 Hr	F Ratings – 2 Hr
Nominal Joint Width – 1/2 to 2 In.	FT Ratings – 2 Hr
Class II or III Movement Capabilities – 50% Compression and Extension	FH Ratings – 2 Hr
	FTH Ratings – 2 Hr
	Nominal Joint Width – 1/2 In. (13 mm) to 2 In. (50 mm)
	Class II or III Movement Capabilities – 50 % Compression and Extension



1. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter), structural concrete.

2. **Joint System** — Nominal width of joint is 1/2 to 2 in. (13 to 50 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. **Forming Material*** — Compressed, fire-retardant impregnated, 3 3/4 in. (95 mm) deep foam. Top and underside of foam is coated with Silicone. Foam may comprise vertical or horizontal laminations. Foam is installed in joint opening as a permanent form.

EMSEAL L L C — DFR2 Mechanical joint system.

B. **Sealant Band** — (Optional) — Watertight 3/4 in. (19 mm) deep silicone sealant band and corner bead supplied by joint system manufacturer, and installed in accordance with installation instruction.

C. **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.

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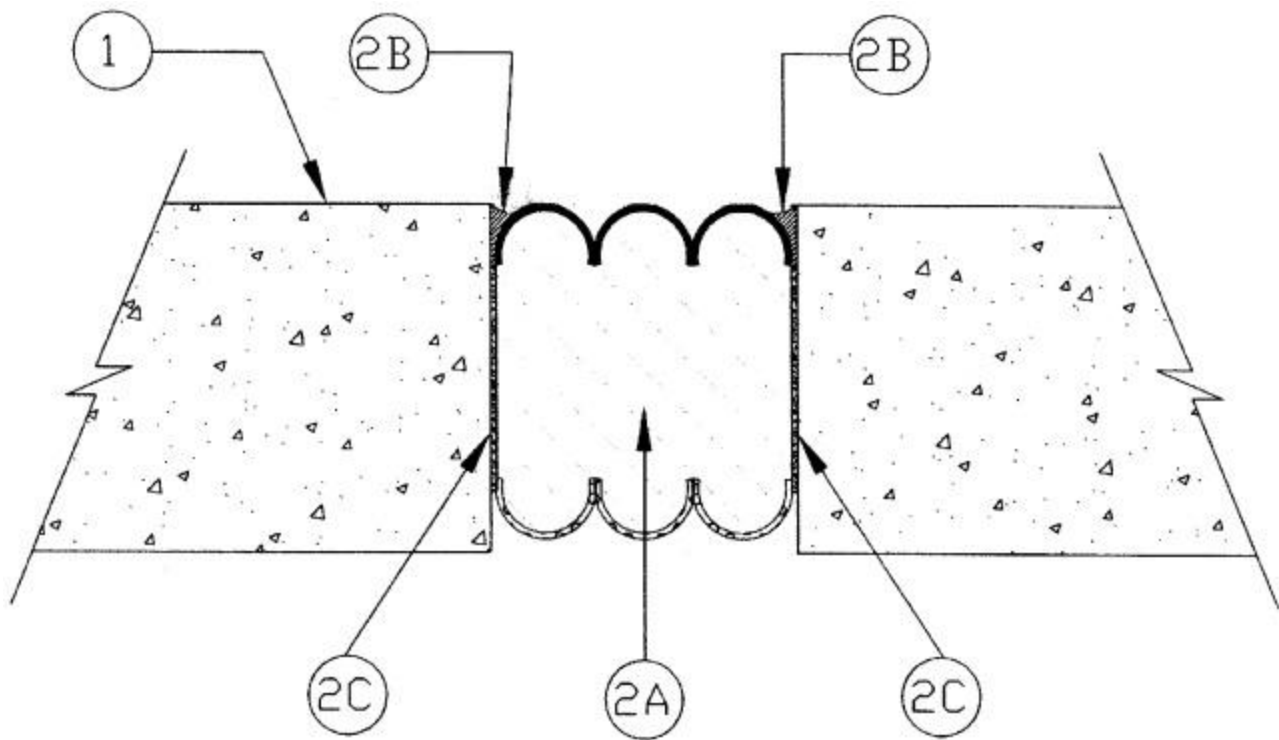
System No. FF-D-1086

August 31, 2015

ANSI/UL2079

CAN/ULC S115

Assembly Ratings –2 Hr	F Ratings –2 Hr
Nominal Joint Width – 2 1/4 to 4 In.	FT Ratings –2 Hr
Class II or III Movement Capabilities – 50% Compression and Extension	FH Ratings –2 Hr
	FTH Ratings –2 Hr
	Nominal Joint Width – 2 -1/4 In. (55 mm) to 4 In. (100 mm)
	Class II or III Movement Capabilities – 50% Compression and Extension



1. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter), structural concrete.

2. **Joint System** — Nominal width of joint is 2-1/4 to 4 in. (55 to 100 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. **Forming Material*** — Compressed, fire-retardant impregnated, 3 3/4 in. (95 mm) deep foam. Top and underside of foam is coated with Silicone. Foam may comprise vertical or horizontal laminations. Foam is installed in joint opening as a permanent form.

EMSEAL L L C — DFR2 Mechanical joint system.

B. **Sealant Band** — (Optional) — Watertight 3/4 in. (19 mm) deep silicone sealant band and corner bead supplied by joint system manufacturer, and installed in accordance with installation instruction.

C. **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.

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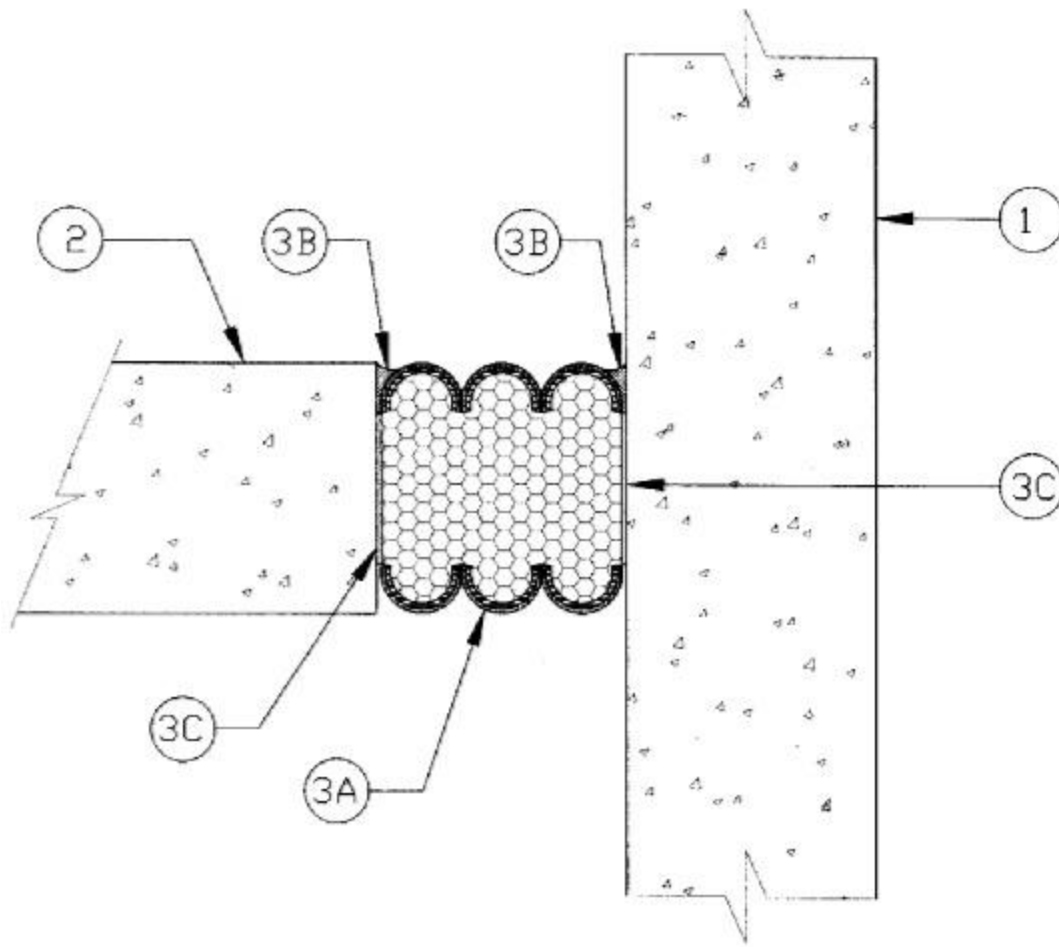
System No. FW-D-0052

September 01, 2015

ANSI/UL2079

CAN/ULC S115

Assembly Ratings – 2 Hr	F Ratings – 2 Hr
Nominal Joint Width – 1/2 to 2 In.	FT Ratings – 2 Hr
Class II or III Movement Capabilities – 50% Compression or Extension	FH Ratings – 2 Hr
	FTH Ratings – 2 Hr
	Nominal Joint Width – 1/2 In. (13 mm) to 2 In. (50 mm)
	Class II or III Movement Capabilities – 50% Compression or Extension



1. **Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter) 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. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter), structural concrete.

3. **Joint System** — Nominal width of joint is 1/2 to 2 in. (13 to 50 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. **Forming Material*** — Compressed, fire-retardant impregnated, 3 3/4 in. (95 mm) deep foam. Top and underside side of foam is coated with polyurethane. Silicone may also be applied to the top and underside of the foam. Foam may comprise vertical or horizontal laminations. Foam is installed in joint opening as a permanent form..

EMSEAL L L C — DFR2 Mechanical joint system.

B. Sealant Band — (Optional) — Watertight 3/4 in. (19mm) deep silicone sealant band and corner bead supplied by joint system manufacturer, and installed in accordance with installation instruction.

C. 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.

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[Last Updated](#) on 2015-09-01

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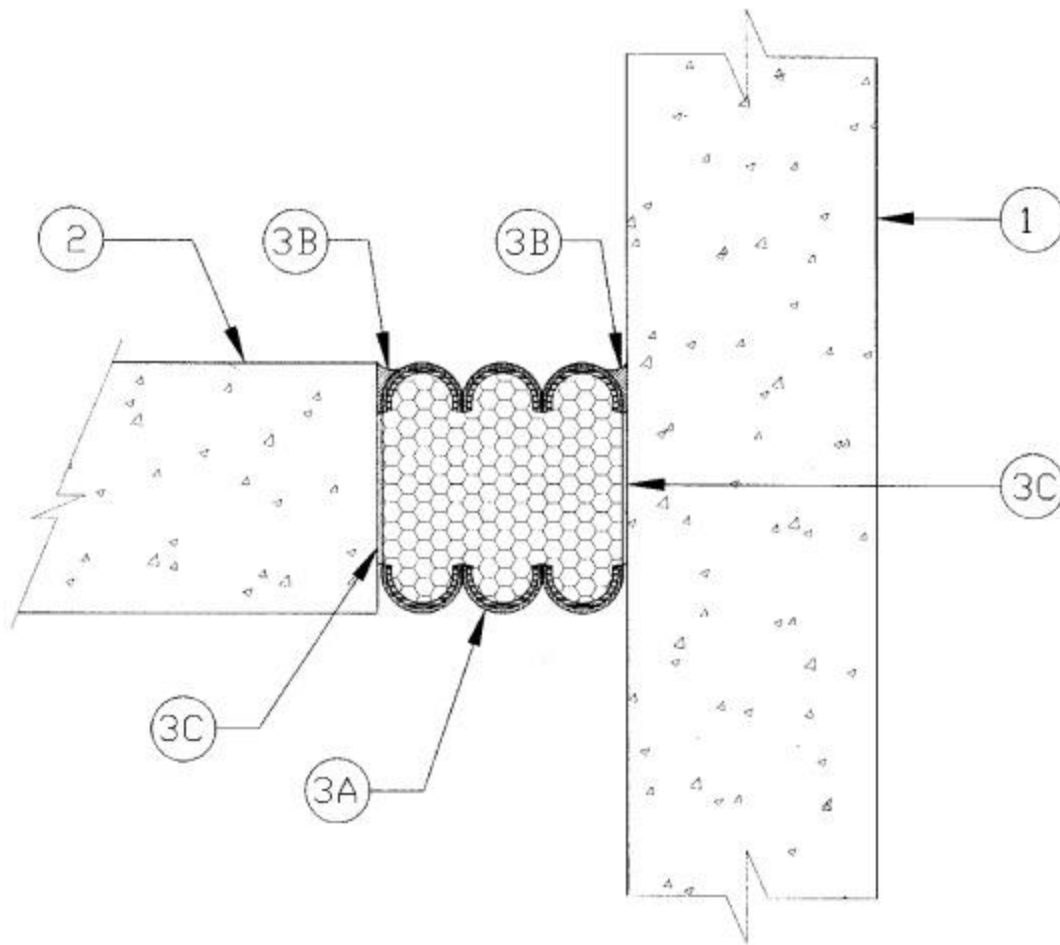
System No. FW-D-1073

September 01, 2015

ANSI/UL2079

CAN/ULC S115

Assembly Ratings – 2 Hr	F Ratings –2 Hr
Nominal Joint Width –2- 1/4 to 4 In.	FT Ratings –2 Hr
Class II or III Movement Capabilities – 50% Compression or Extension	FH Ratings –2 Hr
	FTH Ratings –2 Hr
	Nominal Joint Width – 2 -1/4 In. (55 mm) to 4 In. (100 mm).
	Class II or III Movement Capabilities – 50% Compression or Extension



1. **Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter) structural concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***.

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2. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced normal weight 150 pcf, (2400 kg/cu meter), structural concrete.

3. **Joint System** — Nominal width of joint is 2-1/4 to 4 in. (55 to 100 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:

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EMSEAL L L C — DFR2 Mechanical joint system.

B. Sealant Band — (Optional) — Watertight 3/4 in. (19 mm) deep silicone sealant band and corner bead supplied by joint system manufacturer, and installed in accordance with installation instruction.

C. 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.

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