UNIVERSITY HOSPITALS
AUTHORITY & TRUST

Request for Proposal

OU Children's Atrium

Atrium Roof Water Testing

Project #260873

RFP Due Date – April / 1 / 2026
prior to 12:00pm

The University Hospitals Trust (“Trust”) is seeking bid packages for the scopes of work listed below for the Atrium Roof Water Testing Project.
Description: OU Children’s Atrium Roofing system is currently failing. Contractors are in place and scopes of work have been distributed to address all prolonged issues regarding water protrusion throughout the entirety of the roof.
OU Children’s Atrium / 1200 Children’s Ave. / OKC, OK 73104

The successful bidder must fulfill the following requirements:

- Possess a strong ability to communicate with the Trust.
- Schedule installation that will not disrupt daily operations.
- Product work of the highest quality.
- Provide a turn-key project.
- Work and cooperate well with the Trust.
- Provide and manage Bidder’s employees during the complete project.

II. SCOPE OF WORK AND BID PACKAGES

Bidders shall submit bid packages based on the following scopes of work. Bidders shall provide all material, equipment and labor for the installation/completion of all items on bid packages per the following project specifications as well as project drawings and the Trust’s - established construction schedule.

Bidders may submit Bids on all or some of the following bid packages. Bidders shall designate the specific bid package(s) upon which a Bid has been submitted on the outside of the envelope as more specifically described at Part III. Bidders submitting Bids on more than one bid package shall submit all such Bids separately and shall not combine Bids in one envelope.

Bids must be prepared in accordance with the Instructions to Bidders and based on the information found in the specifications and drawings. Verbal information from any other source cannot be used.

1. **Bid Package #1: Special Testing**
    a. Per Project Drawings
    b. Successful bidder is to provide all coordination with UHAT to include scheduling, permitting and required completion documentation
    c. Successful bidder to provide safety plan and all required PPE per local and state AHJ
    d. Per Specification Section: Division 01 / Water Testing
    e. Reference attached consultant’s findings and scopes of work distributed for the Atrium Roof Repair’s
    f. The atrium’s roofing system is to be tested in its entirety upon completion of the Atrium’s Roof Repairs Project

III. BID PACKAGE SUBMISSION, REQUIREMENTS AND DELIVERY

a. <u>Each Bid Package can be submitted in person, by U.S. Mail, or by any express/delivery services available during regular business hours in a sealed envelope to the Offices of the University Hospitals Trust, at the address identified at Part XI, labeled with the following information on the front of the envelope:</u>

Atrium Roof Water Testing
Project # 260873
Bid Package # 01
Contractor Name:
Contractor Address:

<u>Alternatively, bids may be submitted electronically to the following email address:</u>

- **bids@uhat.org**
- **Please include in the email title the following information:**
  - **UHAT Project number as listed on this RFP**
  - **Project Name as listed on this RFP**
  - **Bidder Name**
  - **Bid Package Number and Name that Bidder is Submitting on.**
- **Please include an email "Delivery Receipt" and "Read Receipt" with submission of electronic bids to help ensure bid submission is received.**
- **Electronic bids must be submitted by 4/1/2026, prior to 12:00p.m. Bids received after the Due Date and time will be deemed non-responsive and shall not be considered for any resultant award.**

Please note that it is possible a Bidder's email system may have limitations on the size of our going email attachments and it is Bidder's responsibility plan accordingly for the entire bid to be received by the Due Date. UHT is not responsible for incorrect link information or its inability to access a submitted bid.

b. Please specify whether Bidder is bidding on all or some of the bid packages by clearly marking the bid packages on the front of the envelope as indicated above.

c. Bids received must be delivered no more than 96 hours (excluding weekends or holidays) before the schedule bid opening. Bids received beyond the applicable cut-off will not be accepted.

d. Each bid package shall contain only one Bid per bid package and cannot contain Bids on multiple bid packages or alternate Bids. Alternate Bids must be clearly specified as such pursuant to the Instructions to Bidder.

e. Bid Packages must Include the following:

i. Non-Collusion Certification;
ii. Project Bid Form; and
iii. Applicable Bonds.

f. Bids must be signed to be accepted

g. <u>This project is TAX EXEMPT.</u> Please see the attached Tax Exempt Certificate for reference.

h. Bonds

i. If the total cost of the **bid package exceeds $50,000**, Bidder **must include with the bid:**
    1. A Bid bond, certified check, cashier's check, or Bid letter of credit equal to five percent (5%) of the total Bid amount.
    2. **If contract is awarded to Bidder, Bidder must provide the following bonds for any projects over $50,000 prior to any work or payment for the project.**

ii. **Performance Bond:** A good and sufficient security valued at not less than the total value of the proposed contract which shall ensure the proper and prompt completion of the work in accordance with contract documents and shall ensure that the contractor shall pay all indebtedness incurred by the contractor and his subcontractors and all suppliers for such labor, material, and repair of and parts for equipment as are used and consumed in the performance of the contract.

iii. **Defect Bond:** A good and sufficient bond in an amount equal to the total values of the contract to protect UHAT against defective workmanship and materials for a period of one (1) year after acceptance of project.

iv. **Payment Bond:** A good and sufficient bond in an amount equal to the total value of the contract to protect UHAT against claims or liens from subcontractors or suppliers for services or materials used in the project.

v. **Letters of Credit:** Irrevocable letters of credit may be substituted for the bonds listed, but each letter must be for the total value of the contract. Alternatively, a single irrevocable letter of credit may be substituted for the bonds listed.

i. Insurance Requirements

i. All contracts or work with UHAT require proof of public liability and workers' compensation insurance in reasonable amounts, regardless of project size or cost.

ii. Commercial General Liability insurance for the Project with policy limits of not less than $1,000,000/2,000,000 each occurrence for all projects exceeding $50,000.

iii. Proof of workers' compensation insurance shall be required for all projects. The minimum level of coverage shall be the statutory requirement specified by Oklahoma law.

iv. For projects less than $50,000, a sworn affidavit certifying an exemption to the requirement of workers' compensation insurance coverage may be accepted in lieu of proof of workers' compensation insurance.

v. Additional information regarding insurance including types and amounts may be found in the Instructions to Bidders.

j. The successful Bidder shall have **10 calendar days** in which to execute the contract. All Certificates of insurance coverage and bonds must be returned with the contract. Failure to provide this documentation within that set amount of time can result in the termination of the contract by the Trust.

IV. PROJECT TIME LINE

This Project will begin upon completion of the Atrium's Roof Repairs, with an **estimated completion date of 30 days from conception.** Successful Bidders who secure contracts for bid package(s) MUST complete the scope of work specified in each bid package within the time frame specified in the contract upon award, barring no additional scope of work stemming from, including but not limited to, unforeseen construction needs, change orders, etc.

V. PARKING

Upon bid selection and contract award, successful Bidders will be responsible for purchasing their own parking passes for

this project. The HSC Parking and Transportation Office where the passes can be purchased is located at 825 Research Parkway, Suite 115, Oklahoma City, OK 73104. See below for link to HSC Parking Website. https://www.ouhsc.edu/parking/parkfee.htm

Limited Free Parking is available from UHAT located at 1000 NE 10th St. parking garage. Vendors must have an issued UHAT/1CALL ID and be on an active project to be granted access to these locations.

VI. JOBSITE CLEANUP AND SAFETY

All trades while on the project are responsible for job site cleanup at the end of every working shift. All material and equipment is to be stored in a way that organized, out of the way of other trades working and safely secured. While on site, all trades will adhere to safety requirements and personal protective equipment required by the Trust.

VII. BADGING / SITE ACCESS UPON BID SELECTION AND CONTRACT AWARD

Full instruction and policies for contractor access to UHAT facilities can be found at https://help.271call.com/ along with forms for Access/ID Card requests.

Upon bid selection and contract award, all contractors on site will be required to have an identification badge that is provided free of charge by the 1CALL Facilities Maintenance Office located in the basement of Garrison Tower, 940 NE 13th Street, OKC., OK., 73104. The badge must be displayed at all times while working in the facility. This badge will also provide access to any applicable card readers that control entry into the work space. Fines to replace lost or stolen badges will apply.

Job site keys will be issued as needed to select lead personnel of specific trades. These can be signed out at the 1CALL Facilities Maintenance Office located in the basement of Garrison Tower. All keys must be turned in upon project completion. Fines will be issued for any lost, stolen, or un-returned keys.

VIII. SELECTION CRITERIA

The Trust shall award bid package(s) on a lowest and best criteria basis. To determine the lowest and best Bid, the Trust shall consider the following criteria:

1. Bidder's responsiveness to all specifications in the inquiry;
2. Quality of the Bidder's products and/or services;
3. Experience and qualification of Bidder, provided in proposal;
4. Corporate support structure;
5. Pricing; and
6. Best overall value to the Trust.

IX. OTHER DISCLOSURES

The University Hospitals Trust is a Public Trust of the State of Oklahoma and receives federal Medicaid grants and funds from other governmental sources. As such, the Trust will require the company to certify compliance with certain state and federal statutes, acts, regulations, and orders including but not limited to:

- The Age Discrimination in Employment Act, 29 United States Commercial Code (U.S.C.) § 621 et seq.;
- The Rehabilitation Act, 29 U.S.C. §701 et seq.;
- The Drug-Free Workplace Act, 41 U.S.C. §701 et seq.;
- Title XDC of the Social Security Act (Medicaid), 42 U.S.C. §1396 et seq.;
- The Civil Rights Act, 42 U.S.C. §§ 2000d et seq. and §§ 2000e et seq.;
- The Age Discrimination Act, 42 U.S.C. § 6101 et seq.;
- The Americans with Disabilities Act, 42 U.S.C. § 12101 et seq.;
- The Oklahoma Worker's Compensation Act, 85 O.S. § 1 et seq.;
- The Fair Labor Standards Act, 29 U.S.C. § 201 et seq.;
- The Equal Pay Act, Public Law 88-38^ 77 Stat. 56;
- The Vietnam Era Veterans Re-adjustment Act of 1974, Public Law 93-509; 88 Stat. 1578;
- 31 U.S.C. §1352 and 45 Code of Federal Regulations (C.F.R.) § 93.100 et seq., which prohibit use of federal funds paid under this Contract to lobby Congress or any federal official to enhance or protect the monies paid under this Contract and (2) require disclosures to be made if other monies are used for such lobbying;
- Presidential Executive Orders 11141, 11246, and 11375, which together require certain federal contractors and subcontractors to institute affirmative action plans to ensure absence of discrimination for employment because of race, color, religion, sex or national origin;
- 45 C.F.R. §§ 76.105 and 76.110 concerning debarment, suspension and other responsibility matters;
- The Anti-Kickback Act of 1986; 41 U.S.C. § 51 et seq., which prohibits any person from providing or attempting to provide or offering to provide any kickback;
- Protective Services for Vulnerable Adults Act, 43A O.S. § 10-101 et seq.; and
- Any other law, rule, or regulation which may apply.

X. SITE VISIT / PRE-BID MEETING

A NON-MANDITORY PRE-BID MEETING / SITE WALK WILL BE HELD on **Wednesday, March 18, 2026, @1:00p.m.** in **OU Children's Atrium**. Bidders must be in attendance and sign in to be eligible to bid on this project if meeting is mandatory. Even if not mandatory, by submitting a bid, bidders represent that it has visited the site, is familiar with the local conditions under which the work is to be performed and has correlated observations with the requirements of the proposed contract documents.

XI. REQUESTS FOR INFORMATION AND CONTACT

All questions, requests for substitutions, comments regarding clarification to project documents and Bidding, or any other requests for information are due by **the end of the day on 3/25/2026** and may be addressed to the individual identified below. The University Hospitals Trust will not answer questions beyond this deadline.

Garrett Underwood
Project Coordinator
University Hospitals Trust
405.714.5364
garrett-underwood@uhat.org

A complete set of Bidding Documents may be obtained in the Offices of the University Hospitals Trust at 1000 NE 13th Street, Nicholson Tower, 6th Floor, Suite 6900, for an estimated cost of $300.

Full project documents are available for free download at the following webpage: uhat.org

Any changes or updates to the project documents will be posted at all public bid locations.

XII. BID DUE DATE AND OPENING

Bid Due Date/Time: 4/1/2026 Prior to 12:00p.m.

Name / Address:
Garrett Underwood
University Hospitals Authority and Trust
1000 NE 13th Street
Nicholson Tower, 6th Floor, Suite 6900
Oklahoma City, OK 73104

Bid Opening: A public Bid opening will be held on Thursday, April 2, 2026, at 8:00a.m. in Nicholson Tower, 5th Floor, Conference Room E

XIII. INSTRUCTIONS TO BIDDERS

All Bidders shall review the Instructions to Bidders attached herewith. By making a Bid, each Bidder represents that the Bidder has read and understands the Bidding Documents and the Bid is made in accordance therewith.

See attached Instructions to Bidders for further information.

STATE OF OKLAHOMA

UNIVERSITY HOSPITALS TRUST ("TRUST")

INSTRUCTIONS TO BIDDERS

1.0 DEFINITIONS

1.1 "Architectural Design & Construction Team" (or "ADC") is a team assembled within the Trust that may include an Architect, Project Manager, Superintendent, and/or other applicable member.

1.2 "Addenda" means written or graphic instruments issued by the Trust prior to the execution of the contract, which modify or interpret the Bidding Documents by additions, deletions, clarifications, or corrections.

1.3 "Alternate bid" (or "Alternate") means, for purposes of a construction contract, an amount stated in the bid to be added to or deducted from the amount of the base bid if the corresponding change in the work, as described in the bidding documents, is accepted.

1.4 "Award" means when the Trust, the Chief Executive Officer, or other person authorized to make the acquisition, agrees on a suitable vendor for a bid and the successful vendor is notified.

1.5 **"Base bid"** means the sum stated in the bid for which the bidder offers to perform the work described in the bidding documents as the base. Work may be added or deleted for sums stated in the alternate bids.

1.6 **"Best Value"** means an optional contract award system which can evaluate and rank submitted competitive performance proposals to identify the proposal with the greatest value to the Trust, which may not be the lowest bidder.

1.7 **"Bid"** means a cost proposal submitted by a vendor in response to a request or solicitation for bids from the Trust.

1.8 **"Bidder"** means a person or entity that submits a Bid.

1.9 **Bidding Documents** include the Solicitation for Bids, these Instructions for Bidders, the bid forms, other sample bidding and contract forms, and the proposed contract documents including any Addenda issued prior to the receipt of Bids.

1.10 **"Code"** means the minimum and applicable building code or codes provided by this rule.

1.11 **"Construction"** means the process of planning, acquiring, designing, building, equipping, altering, repairing, improving, maintaining, disposing, or demolishing any structure or appurtenance thereto including facilities, utilities, or other improvements to any real property.

1.12 **"Construction Manager"** means a person who acts as an agent of the Trust for a construction project; who coordinates and manages the construction process; who is a member of the ADC; and who utilizes skills and knowledge of general contracting to assist in the development of schedules, preparation of project construction estimates, study of labor conditions; and who provides advice concerning construction, safety, and other issues related to the project that may surface. Issues may include, but are not limited to, monitoring progress, payments, changes and other factors affecting cost, or as may otherwise be specified in the solicitation issued by the state agency.

1.13 **"Contract"** means the solicitation, vendor's response, negotiation document, and/or purchase order verifying an award and encumbering funds.

1.14 **"Evaluation Criteria"** means that written criteria necessary to evaluate a supplier's or bidder's response to a solicitation which may include specialized experience, technical competence, capacity to perform, past performance, and other appropriate factors, as and where appropriate.

1.15 **"Facility"** means any building or improvement to real property.

1.16 **"Interview committee"** means a group of individuals designated by the CEO, CFO, CFMO, or other designee of the CEO to interview consultants for the purpose of selecting a consultant for a planned project. This group should include licensed architects or engineers, if available and when appropriate.

1.17 **"Project"** means the scope of services for which competitive proposals are requested from interested construction services vendors.

1.18 **"Project Capability"** means the ability of a vendor to perform the requested services based on understanding of the requirement and mastery of necessary technical requirements while demonstrating a lack of technical risk as evidenced by measurement or accomplishment.

1.19 **"Project or Improvement"** means the collective act of design and construction of a new building, facility, or improvement, or the renovation of an existing building, facility, or improvement; or the acquisition of a building or facility for the purpose of renovation and occupancy.

1.20 **"Selection criteria"** means a listing of the considerations and requirements used to evaluate each prospective consultant.

1.21 A "**Unit Price"** is an amount stated in the Bid as a price per unit of measurement for materials or services as described in the Bid Documents or in the proposed contract documents.

2.0 PRE-BID MEETINGS AND SITE VISITS

2.1 The Solicitation for Bids will indicate the date, time, and place for a pre-bid meeting and site visit if same are to be held.

2.2 In some instances, **a mandatory pre-bid meeting** will be announced. In such instances, each prospective Bidder must be present at the meeting or represented by a full-time company employee or an independent contractor authorized to represent the company. Failure to comply will disqualify that Bidder. Attendees are expected to arrive on time and must sign in no later than fifteen minutes after the scheduled meeting time. Exceptions to the sign-in requirement may be granted by the Construction Manager at his sole discretion for unusual conditions such as adverse weather, complicated directions to site or other unforeseen conditions. In the event of adverse weather, please contact the Trust to verify conference schedule.

2.3 Verbal communications at any pre-bid meeting are non-binding. All clarifications, revisions, or changes to the Bidding Documents will be included in written Addenda issued to all Bidders of record.

2.4 In some instances, a mandatory site visit will be announced. In such instances, each prospective Bidder must visit the site of the project prior to bidding. Failure to comply will disqualify that Bidder. Attendees are expected to arrive on time and must sign in no later than fifteen minutes after the scheduled meeting time. Exceptions to the sign-in requirement may be granted by the Construction Manager at his sole discretion for unusual conditions such as adverse weather, complied directions to site or other unforeseen conditions. In the event of adverse weather, please contact the Trust to verify site visit.

2.5 In the event a mandatory site visit is not announced, failure to visit the site shall not excuse a contractor from any requirement of the specifications.

3.0 Bidder's Representations and Prequalification

3.1 Each Bidder, by making a Bid, represents that:

3.1.1 The Bidder has read and understands the Bidding Documents and the Bid is made in accordance therewith;

3.1.2 The Bidder has visited the site, is familiar with the local conditions under which the work is to be performed and has correlated observations with the requirements of the proposed contract documents; and

3.1.3 The submitted Bid is based upon the materials systems, and equipment required by the Bidding Documents without exception.

3.2 Pre-Qualification of Bidders and Special Requirements. The Solicitation of Bids indicates whether pre-qualification is required to bid on the project. When designated on the Solicitation for Bids, General Contractors, Sub-Contractors, and Material Supplier shall submit a completed DCAM/CAP Form A305B, describing required specialized experience, for approval to the Oklahoma Office of Management & Enterprise Services, Construction & Properties Division, fourteen (14) calendar days prior to the Bid Date. Printed and electronic forms are available on request from the Division.

4.0 BIDDING DOCUMENTS

4.1 Copies

4.1.1 Bidders may obtain complete sets of the Bidding Documents from the Trust website/Offices of the Trust as designated in the Solicitation for Bids at the stated price, if any.

4.1.2 Bidders shall use complete sets of Bidding Documents obtained from the source indicated in the Solicitation for Bids. Neither the Trust nor the Construction Manager nor any Consultant assumes any responsibility for errors or misrepresentations resulting from the use of incomplete sets of Bidding Documents.

4.1.3 The Trust, in making copies of the Bidding Documents available on the above terms, does so only for the purpose of obtaining Bids on the work and does not confer a license or grant for any other use.

4.2 Interpretation or Correction of Bidding Documents

4.2.1 Bidders shall promptly notify the Trust of any ambiguity, inconsistency, or error which they may discover upon examination of the Bidding Documents or of the site and local conditions.

4.2.2 Any interpretation, correction, or change of the Bidding Documents will be made by Addendum. Interpretations, corrections, or changes to the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretations, corrections, and changes. The Trust shall send Addenda to all Bidders of record.

4.3 Substitutions

4.3.1 When name brands are used to describe materials, products, or equipment, the name brands are used only to establish a standard of required function, dimension, appearance, and quality to be met by any properly proposed substitution.

4.3.2 No substitutions for bidding will be considered unless written request for approval has been received by the Trust at least ten (10) calendar days prior to the date for receipt of Bids, if not otherwise stated in the Bidding Documents. Each request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including drawings, cuts, performance, and test data and any other information necessary for an evaluation. A statement setting forth any changes in any other materials, equipment, or other work that incorporation of the substitute would require shall be included. The burden of proof of the merit of the proposed substitute is upon the proposer. The Trust's decision of approval or disapproval of a proposed substitute shall be final.

4.3.3 If the Trust approves any proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.

4.3.4 No substitutions will be considered after the contract award unless specifically provided in the contract documents.

4.3.5 When roofing is required as a portion of the Work, or as the total extent of the Work, only Manufacturers, their Certified Applicators, and Products approved through the State of Oklahoma Roof Warranty Program are acceptable.

4.4 Addenda

4.4.1 Addenda will be mailed, sent electronically, or delivered to all Bidders of record who are known by the Trust to have received a complete set of Bidding Documents.

4.4.2 Copies of the Addenda will be made available for inspection at the Offices of the Trust, 1000 NE 10th Street, OKC., OK., 73104, and at the following website:

4.4.3 No Addenda will be issued later than seven (7) calendar days prior to the date for receipt of Bids except an Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

4.4.4 Each Bidder shall ascertain prior to submitting his Bid that all Addenda were received, and acknowledge their receipt on Bid Form.

5.0 Bidding Procedure.

5.1 Form and style of Bids

5.1.1 Bids shall be submitted on forms supplied with the Bidding Documents obtained from the Trust.

5.1.2 Bidders shall fill in all blanks on the bid forms including all Bids, Addenda issued, Alternates, and Unit Prices.

5.1.3 Bidders shall fill in all blanks on the bid forms including all Bids, Addenda issued, Alternates and Unit Prices. Where so indicated by the wording of the bid form, sums shall be expressed in both words and figures, and in case of a discrepancy between the two, the amount written in words shall govern.

5.1.4 Interlineation, alteration or erasure of the printed bid form by the Bidder is not permitted unless required by Addendum or specifications. Any required interlineation, alteration or erasure of entries must be initialed by the signer of the Bid.

5.1.5 All requested Alternates shall be bid. If no change to the Base Bid is required, enter "No Change". Failure to bid all Alternates may disqualify the Bid.

5.1.6 Where two or more Bids for designated portions of the work have been requested, the Bidder may, without forfeiture of the bid security, state the refusal to accept an award of less than the combination of Bids the Bidder stipulates. The Bidder shall make no additional stipulations on the bid form nor qualify the Bid in any other manner.

5.1.7 Each copy of the Bid shall include the legal name of the Bidder and be signed by the person legally authorized to bind the Bidder to a contract.

5.2 Bid Security

5.2.1 Each Bid must be accompanied by a certified or cashier's check or bid bond in an amount equal to five percent (5%) of the total amount of the Bid and all Alternates as a guarantee that, if awarded the contract, the Bidder will execute the contract and furnish bonds and insurance as required in Sections 6. and 7 of these instructions. An Irrevocable Bid Letter of Credit used as bid security must be issued by a financial institution insured by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation. The Trust reserves the right to hold the bid security of the three (3) lowest Bidders until the successful Bidder has executed the contract and furnished the required bonds and proof of insurance. No bid security is required if the total of the Base Bid and Alternates is less than One Hundred Thousand Dollars ($50,000.00).

5.2.2 Failure of the successful Bidder to enter into a contract within the time specified in the Solicitation for Proposals shall result in forfeiture to the Trust of the cost of republication of Notice to Bidders, all actual expenses incurred by reason of the Bidder's default, and the difference between the low Bid of the defaulting Bidder and the amount of the bid of the Bidder to whom the contract is subsequently awarded, but not to exceed the amount of said check or bond.

5.2.3 The Trust may grant an extension not to exceed thirty (30) days to Bidders to return their contracts when the Bidder is having difficulty obtaining bonds. The extension may be granted by the Trust only upon written request from the Bidder.

5.3 Submission of Bids

5.3.1 All of the copies of the Bid, the bid security, if any, and any other documentation required to be submitted with the Bid shall be enclosed in a sealed, opaque envelope. The Bid shall be addressed to and delivered to the Offices of the University Hospitals Trust, Nicholson Tower, 6th Floor, Suite 6900, Oklahoma City, Oklahoma 73104 or mailed to 1000 NE 13th Street, Oklahoma City, Oklahoma,

73104. Place on the outside of the envelope the name of the Project Name, Project Number, Bid Package Number(s), Bidder Name, and Bidder Address. The words "Sealed Bid" and the date set for opening shall also be included on the outside of the bid package.

Alternatively, bids may be submitted electronically to the following email address: bids@uhat.org. Please include in the email title the following information: UHAT Project number as listed on this RFP, Project Name as listed on this RFP, Bidder Name, Bid Package Number and Name that Bidder is Submitting on. Please include an email "Delivery Receipt" and "Read Receipt" with submission of electronic bids to help ensure bid submission is received. Electronic bids must be submitted by 4/1/2026, prior to 12:00p.m. Bids received after the Due Date and time will be deemed non-responsive and shall not be considered for any resultant award.

5.3.2 The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

5.3.3 Bids received more than ninety-six (96) hours before, excluding weekends and holidays, as well as Bids received after the time set for opening of Bids, will not be considered and will be returned unopened to the Bidder.

5.3.4 Oral, telephonic, or telegraphic Bids are invalid and will not receive consideration.

5.4 Modification, withdrawal or cancellation of Bids

5.4.1 A Bid may not be modified, withdrawn, or canceled by the Bidder after the time and date designated for the receipt of Bids, and each Bidder so agrees in submitting a Bid.

5.4.2 Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids provided they are in complete conformance with these Instructions to Bidders.

5.4.3 Bidders may withdraw, change, and resubmit their Bids by appearing in person prior to the time set for the closing of the Bid period. Upon presenting proper picture identification to an authorized representative, the sealed Bid will be returned to the Bidder. A new or changed sealed Bid will be accepted until the time designated for the closing of the Bid period.

5.4.4 Bid security, if any is required, shall be in an amount of five percent (5%) of the Bid as modified.

6.0 CONSIDERATION OF BIDS

6.1 Bids will be opened publicly on April 2 2026, within Nicholson Tower, 5th Floor, Conference Room E at 1000 NE 13th Street, OKC., OK., 73104.

6.2 Rejection of Bids

6.2.1 The Trust has the right to reject any or all Bids and to reject a Bid not accompanied by any required bid security, or by other data required by the Bidding Documents, or to reject a Bid which is in any way incomplete or irregular.

6.2.2 The Trust will reject any Bid that is not signed by the authorized representative of the Bidder or does not contain the affidavit included in the Bidding Documents. The affidavit must be properly signed by the Bidder, notarized and stamped by a Notary Public.

6.2.3 The Trust may reject a bid as non-responsive if the prices bid are materially unbalanced between line items or sub- line items. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the Owner even though it may be the low evaluated bid; or, if it is so unbalanced as to be tantamount to allowing an advance payment.

7.0 SURETY BONDS

7.1 Bond requirements

7.1.1 All bonds are for the full value of the contract and shall be issued by a surety company authorized by the Oklahoma Insurance Department to do business in the State of Oklahoma and approved by the Office of Management and Enterprise Services.

7.1.2 A bond is required for all contracts with a value exceeding One Hundred Thousand Dollars ($50,000.00) that includes coverage for (1) Performance - to insure the completion of the work in accordance with the contract documents in the time stipulated; (2) Defect - to provide for defects in construction or materials for a period of one (1) year from the date of acceptance of the completed work; and (3) Payment - to assure the State is protected from the action of subcontractors, suppliers and employees for unpaid debts of the contractor.

7.1.3 All bonds must be on the forms prescribed and issued by the Trust to the successful Bidders with the contract.

8.0 INSURANCE REQUIREMENTS

8.1 The contractor shall carry on his work in accordance with the Worker's Compensation Act (85 O.S., §1 et seq.) of the State of Oklahoma and shall not reject the provisions thereof during the life of the contract. A certificate of coverage must be returned with the contract.

8.2 General and Automobile Liability insurance in the amount of not less than $1,000,000/$2,000,000, and Builder's Risk insurance of not less than $50,000/$100,000 shall be carried by the contractor during the life of the contract. Certificates of such coverage must be returned with the contract.

8.3 Builder's Risk insurance is required to be provided by the Contractor.

9.0 LABOR

9.1 The Contractor shall comply with all State and Federal Laws in the employment and payment of labor.

10.0 DOCUMENTS FOR CONSTRUCTION

10.1 All additional sets of plans and specifications will be the responsibility of the Contractor.

END OF INSTRUCTIONS TO BIDDER

Construction Risk Assessment Matrix for Insurance Coverage
Step 1: Contractor Work Performed

1. Identify the type of construction activity that contractor will perform. 2. If more than one type is applicable, select the highest level.	
TYPE A	**Inspection and non-invasive activities**, including but not limited to: • Removal of ceiling tiles for visual inspection limited. • Painting • Millwork • Aesthetic Upgrades including but not limited to Wall covering, and activities that do not generate dust or require cutting of walls or access to ceiling other than for visual inspection • Other Scopes of work under $5,000 per trade
TYPE B	**Small scale short duration construction,** including but not limited to: • Minor Roofing projects and repairs • Minor scope projects including, but not limited to: Minor Electrical, Plumbing, Mechanical, HVAC, Fire Suppression, Fire Alarm, Demo • Cutting walls or ceiling where dust migration can be controlled • Other scopes of work under $50,000, but above $5,000 per trade
TYPE C	**Mid to Long term construction work with moderate scope** including but not limited to: • Major scope projects including, but not limited to: Electrical, Plumbing, Mechanical, HVAC, Fire Suppression, Fire Alarm, Demo • Work on critical building system infrastructure to include but not limited to main plumbing and HVAC services, Generators or Main electrical feeds and panels • Minor excavation work • Other Scopes of work over $50,000 per trade
TYPE D	**Major demolition and construction projects**, including but not limited to: • Activities which require consecutive work shifts • Major Roofing Repair or replacement • Exterior work requiring scaffolding • Major Building Envelope Construction • Requires heavy demolition or removal of a complete building system

	• Ground up builds • Major excavation work • Critical equipment renovations or buildouts to include but not limited to: MRI, Surgical Rooms, Negative pressure spaces

Step 2: Construction Area Type

1. Identify the affected risk groups. **2. If more than one risk group is checked, select the highest risk group.**			
Low Risk	**Medium Risk**	**High Risk**	**Highest Risk**
□ Shell Space □ Unoccupied Office / Business Spaces	□ Occupied Office / Business Spaces to include attached corridors and passages □ Meeting and Conference Spaces	□ Any Clinical Spaces to include attached corridors and passages	□ Any Licensed Hospital or Accredited Spaces to include attached corridors and passages

Step 3: Risk Assessment Groups

1. Match the highest selected Construction Project Type with the highest Risk Group to determine the minimum insurance required.

RISK GROUP	TYPE A	TYPE B	TYPE C	TYPE D
Low	I	II	III	III
Medium	I	II	III	IV
High	I	III	III	IV
Highest	I	III	III/IV	IV

Step 4: Insurance Coverage Required

1. Blank

	Minimum Insurance Required	Additional Requirements
Class I	□ Minimum of $300,000 General Liability Per Occurrence	□
Class II	□ Minimum of $500,000 General Liability Per Occurrence	□
Class III	□ Minimum of $1,000,000 General Liability per Occurrence	□
Class IV	□ To Be Determined Based on Final Scope and Project Cost	□ Option for Builders Risk Insurance

- **Regardless of project size, scope or amount, all Suppliers shall carry on his work in accordance with the Worker's Compensation Act (85 O.S. § 1, et seq.)**

CERTIFICATION FOR COMPETITIVE BID AND/OR CONSTRUCTION CONTRACT

NOTE: This certification shall be included with any competitive bid and/or contract submitted to UHT for construction.

Entity Name: University Hospitals Trust

Solicitation or Purchase Order #: 260873

Supplier Legal Name: _____

Non-Collusion Obligations and Certifications

SECTION I [74 O.S. § 85.22]:

A. For purposes of this competitive bid,

1. I am the duly authorized agent of the above-named bidder submitting the competitive bid herewith, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and UHT officials or employees, as well as facts pertaining to the giving or offering of things of value to UHT personnel in return for special consideration in the letting of any contract pursuant to said bid;
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of such bid; and
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
   a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
   b. to any collusion with any UHT official or employee as to quantity, quality, or price in the prospective contract, or as to any other terms of such prospective contract, nor
   c. in any discussions between bidders and any UHT official concerning exchange of money or other thing of value for special consideration in the letting of a contract, nor
   d. to any collusion with any UHT official or employee as to create a sole-source acquisition in contradiction to Section 85.45j.1. of this title.

B. I certify, if awarded the contract, whether competitively bid or not, neither the contractor nor anyone subject to the contractor's direction or control has paid, given or donated or agreed to pay, give or donate to any officer or employee of the UHT any money or other thing of value, either directly or indirectly, in procuring this contract herein.

SECTION II [74 O.S. § 85.42]:

For the purpose of a contract for services, the supplier also certifies that no person who has been involved in any manner in the development, approval or negotiation of this contract while employed by UHT shall be employed by the supplier or given anything of value to fulfill any of the services provided for under said contract.

SECTION III [74 O.S. § 85.42(B)]:

Pursuant to 74 O.S. § 85.42(B), the supplier certifies that no person involved in any manner in the development, approval or negotiation of the contract, including change orders, extensions, renewals or amendments, while employed by the State of Oklahoma shall be employed or given anything of value to fulfill any services provided under the contract, including change orders, extensions, renewals or amendments.

SECTION IV [74 O.S. § 582]:

For the purpose of a contract for goods or services, the supplier also certifies it is not currently engaged in a boycott of goods or services from Israel that constitutes an integral part of business conducted or sought to be conducted with the state.

SECTION V [21 O.S. § 1289.31]:

For the purpose of a contract for goods or services, the supplier also certifies it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and will not discriminate against a firearm entity or firearm trade association during the term of the contract.

Disclosure of Familial or Business Relationships with UHT

[74 O.S. § 85.22C]

Any supplier submitting a bid to the University Hospitals Trust (UHT) must disclose any familial[1] or business relationships that existed within the past twelve months between any officer or director of the supplier and any officer/employee of UHT.

☐ Check if no familial or business relationships existed within the past twelve months between any officer or director of the supplier and any officer or employee of UHT.

☐ Check if familial relationships exist(ed) and complete the chart with the relevant information below:

Name of Officer or Director of Supplier	Name of UHT Officer or Employee	Nature of Familial or Business Relationship	Relevant Date(s) of Relationship

---

Disclosure of Business Relationships with Architect, Engineer or other Party

[61 O.S. § 108]

A. I further certify that the nature of any partnership, joint venture or other business relationships presently in effect or which existed within one (1) year prior to the date of this statement with the Architect, Engineer or other party of the Project is (If none, state so.): _____

B. That any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the Project is (If none, state so.):_____

C. And that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are (If none, state so.): _____

Declaration and Certification

The undersigned, duly authorized agent for the above-named supplier, by signing below acknowledges this certification statement is executed for the purposes of:

- ☐ the competitive bid attached herewith and contract, if awarded to said supplier;
  OR
- ☐ the contract attached herewith, which was not competitively bid and awarded by UHT pursuant to applicable Oklahoma statutes.

I state under penalty of perjury under the laws of Oklahoma that the foregoing is true and correct.

_____ Supplier Authorized Signature

_____ Certified This Date

_____ Printed Name

_____ Title

_____ Phone Number/Fax Number

_____ Email

[1] "**Familial relationship**" is defined as a spouse, a spouse's parents, a child by birth or adoption, a stepchild, a parent, a grandparent, a grandchild, a sibling, a spouse's siblings, or a spouse of any immediate family member listed.

STATE OF OKLAHOMA

KEVIN STITT
GOVERNOR

G. RAINEY WILLIAMS, JR.
CHAIRMAN

JIM EVEREST
VICE CHAIRMAN

CHIP KEATING
SECRETARY

GARY RASKOB, PH.D.
MEMBER

KEVIN CORBETT
MEMBER

RANDY DOWELL
CHIEF EXECUTIVE OFFICER

UNIVERSITY HOSPITALS AUTHORITY & TRUST

To: Vendors of the UNIVERSITY HOSPITALS AUTHORITY, an Agency of the State of Oklahoma #82500 and the UNIVERSITY HOSPITALS TRUST, a Public Trust of the State of Oklahoma

From: Randy Dowell, Chief Executive Officer
University Hospitals Authority
University Hospitals Trust

Date: May 1, 2023

Subject: UNIVERSITY HOSPITALS AUTHORITY and UNIVERSITY HOSPTIALS TRUST
TAX EXEMPTION

This entity of government is exempt from payment of state/local sales taxes pursuant to Title 68, Oklahoma Statute Section 1356 (1) which reads in part:

- There are hereby specifically exempted from the tax levied by Section 1350 et seq. of this title:

  "(1) Sale of tangible property or services to the United States government or to the State of Oklahoma, any political subdivision of this state or any agency of a political subdivision of this state....."

Vendors and/or contractors that are reimbursed by the University Hospitals Authority and the University Hospitals Trust may be exempt from paying taxes on those reimbursed items in accordance with Title 68, Oklahoma Statute Section 1356.

The Oklahoma Tax Commission does not issue "sales tax exemption numbers" to entities that have been specifically exempted by statute.

If you have any questions regarding the matter of tax exemption for the University Hospitals Authority or the University Hospitals Trust, please contact the Business Tax Division of the Oklahoma Tax Commission at (405) 521-4316.

**

1000 NE 13TH ST
NICHOLSON TOWER, STE 6900
OKLAHOMA CITY, OK 73104

PHONE: (405) 271-4962
FAX: (405) 271-1301

OTX0024–10–97–BT
13–54–R–10–97

OKLAHOMA TAX COMMISSION

Sales Tax Exemption: State Governments

Non–Transferable

Title 68, O.S. 2002 Supp., Section 1356(1): Sale of tangible personal property or services to the United States Government or to the State of Oklahoma, any political subdivision of this state or any agency of a political subdivision of this state are hereby exempted from the tax levied by this article.

If the business changes location or ownership or is discontinued for any reason, this permit must be returned to the OKLAHOMA TAX COMMISSION for cancellation WITH AN EXPLANATION ON THE REVERSE SIDE.

PERMIT NUMBER **519934**

BUSINESS LOCATION	NAICS CODE	CITY CODE	PERMIT EFFECTIVE	PERMIT EXPIRES
UNIVERSITY HOSPITALS AUTHORITY 940 NE 13TH ST OKLAHOMA CITY, OK 73104–5008	921190	5521	OCT 22 2008	NON–EXPIRING

UNIVERSITY HOSPITALS AUTHORITY
PO BOX 26307
OKLAHOMA CITY, OK 73126–0307

Chairman

Vice-Chairman

Secretary-Member

PLEASE POST IN A CONSPICUOUS PLACE

Glazing Report & Scope of Work

University of Oklahoma
Children's Physician's Facility
Oklahoma City, OK

Super Sky Products Enterprises, LLC
2025-2826 (Orig. # 2006-1233)
August 20, 2025

SKYLIGHT INSPECTION REPORT

Prepared by Todd C. Wilde- Renovation Manager
(414) 313-3478 / twilde@supersky.com

10301 North Enterprise Drive | Mequon, Wisconsin 53092 | (262) 242-2000

The following is a summary of our observations:

1. **Existing Skylight Glazing:**

The existing (176) lites of sloped glazing appeared to be the original glazing units. Based on the original project documents, the glass makeup is 1-5/16" Clear Low-E coated heat strengthened insulating / laminated glazing unit with a white hole frit pattern. The exterior surface of all glass lites is dirty from atmospheric contaminants however, they all appeared in relatively good condition with no cracked or damaged lites and no fogged air spaces, which would indicate seal failure.

2. Existing Skylight Framework:

The existing interior aluminum support frame could be observed from the exterior through the glass as well as from the interior. The frame appeared to be the original, unaltered, extruded aluminum tubular type system finished with the original Sterling Gray spray applied painted finish on the interior and exterior.

The existing exterior aluminum components, including flashing closures, snap-on pressure plate cover caps and snow guards, appeared to be the original , unaltered, system components with the original Sterling Gray spray applied painted finish. In general, both the interior and exterior system components are in good physical condition with typical weathering and dirt accumulation of a 15 year old installation. Visual inspection confirmed that all interior and exterior components were properly in place with no damaged, dis-lodged or missing components.

3. Existing Skylight Mullion Sealant Joints:

The existing mullion snap-on cover caps have been fully wet-sealed from the side of the cap to the surface of the glass with a rather large fillet bead of sealant down the entire length of all caps. The cap miter joints at all glass plane "kinks" have also been fully caulked. This sealant work, at both conditions, was performed after the original installation as this is not a standard sealant joint detail for the Super Sky system. The pressure plate wet seals, and more importantly, the pressure plate kink-point intersections, could not be observed because of the added snap on cap sealant joint. In addition to the large black fillet sealant joint, there were locations where small beads of clear sealant had been added on top of that joint. In most cases the clear sealant had lost adhesion and was loose and falling off, most likely due to poor surface prep or incompatible materials. In some locations the added black cap bead was also losing adhesion to the snap-on cap and had some gaps and holes.

4. Existing Skylight Purlin Sealant Joints:

The flush glass-to-curb joint and the flush glass-to-glass purlin joints show clear signs of both cohesive and adhesive adhesion loss with areas of defined and visible separation between the sealant and the adjacent glass edge, along with some holes and splits within the width of the joints as well. These conditions will definitely allow water into the glazing pocket and other areas of the framing system. It appears that some repairs have been attempted at certain joint locations, since the original installation, based on the mis-match color of sealant, different material type and inconsistent, lumpy, and irregular joint profile. In most locations, the repair sealant has lost adhesion and is separated, falling off and ineffective.

5. Existing Snowguard Support Plate Penetration Conditions:

The snow guard support plate penetration conditions appeared to be well sealed from what was visible viewing it from above, however, it could not be determined how well the pressure plate to support plate notch was sealed without removal of the snap-on cover cap which was not possible at the time of inspection.

6. Existing Exterior Surrounding Conditions:

The exterior conditions surrounding the skylight primarily consist of a sloping standing seam roof on both sides of the skylight structure. Other than some color fading, the standing seam roofing appears to be in good condition

7. Existing Adjacent North and South Vertical Glazed Window Walls:

The existing (12) lites of vertical glazing (6 in the north frame and 6 in the south frame) appeared in relatively good condition with no cracked or damaged lites and no fogged air spaces, which would indicate seal failure. All of the perimeter wet seals between the pressure plate cover caps and the glass surface looked to be continuous and in good condition. The ends of all vertical pressure plates and snap-on cover caps were observed to be unsealed and wide open at all locations, thereby allowing air and water to infiltrate the framing system. There are weep holes in the underside of the horizontal snap-on caps, however this is no benefit to the open ends on the vertical caps and pressure plates.

There also seemed to be many locations between the perimeter of the vertical glazing frame and the interface with the adjacent metal panel wall system that are unsealed or had gaps and voids that should be sealed. It would appear that as the water sheds down the vertical surface of the panel and hits the gap between the top member of the window wall and the panel system, that it can work its way back into the joint and eventually into the unsealed ends of the pressure plates and any other panel system gaps that occur. Maybe the back pan elements of the metal wall panel system and the internal drainage control system of the window wall control this water infiltration and weep it back to the outside, however, without having manufacturers shop drawings and details to review this cannot be confirmed.

8. South Vertical Glazed Window Wall expansion joint:

We reviewed the interface between the base of the south vertical wall and the adjacent sill flashing and the metal expansion joint flashing. In general, the wet seals from the mullion caps back to the surface of the glass for the entire window wall are in good shape, however, the sealant joint between the bottom sill member and the base flashing is riddled with locations where either there is no backer rod or sealant, or there is backer rod but missing sections of sealant, or there is sealant but it is hard and checked and falling out of the gap. It appears that at some point some type of brush-on water-proofing product was applied over the joint, however, it is a thin coat and appears to have been ineffective in sealing the joint. The current joint deficiencies are most likely allowing water to infiltrate to the interior of the system.

9. Skylight Condition Assessment Summary :

Based on the inspection performed, it is our professional opinion that the major components of the skylight system such as glazing, supporting aluminum frame, exterior frame components and flashing components are all in relatively good condition, however, the critical exterior sealing elements of this skylight are clearly starting to show their age and are approaching the end of their service life. Most sealants, especially at the flush glass-to-glass purlin joints, are exhibiting signs of deterioration and adhesion loss which will continue to proliferate with time and exposure to the elements and continue to allow water into the system and interior.

10. Skylight Repair Recommendations :

- **Completely remove all existing exterior glazing components such as snap-on cover caps, rafter pressure plates, pressure plate gaskets and silicone sealant joints ("wet seals") at the main sloping members. (All glazing units will remain in-place.)**
- **Remove all existing sealant and backer rod at all horizontal purlins and curb conditions.**
- **Install all new backer rod and flush silicone sealant joints at all horizontal purlin and curb conditions.**
- **Furnish new pressure plates with new EPDM glazing gaskets and new custom gasketed stainless steel pressure plate fasteners at all sloping mullions. Install all new continuous silicone wet seals and end dams and new snap-on cover caps.**
- **Review all snow guard support plate penetrations and re-caulk at the frame level, as well as at the new pressure plate notch outs.**
- **Review all perimeter flashing closure splices and laps and re-caulk as necessary.**
- **Re-instate a new 5 year warranty.**

11. North & South Vertical Glazed Wall Condition Assessment Summary :

Based on the inspection performed, it is our professional opinion that the major components of the vertical window wall systems such as glazing, supporting aluminum frame, exterior frame components and flashing components are all in relatively good condition, however, there are many locations where the means and methods used to seal the system fall short of acceptable standards and if they are not currently allowing water into the building, they will at some point in the future.

12. North & South Vertical Glazed Wall Repair Recommendations :

- **Completely remove all snap-on cover caps and silicone sealant joints ("wet seals") at all members. All pressure plate and glazing units will remain in-place.**
- **Review all pressure plate intersections and caulk the intersections as needed to create a water-tight condition.**
- **Tighten and caulk all pressure plate fasteners.**
- **Install backer rod and sealant at all open pressure plate ends.**
- **Install all new wet seals on all pressure plates and marry hem to the end dams.**
- **Clean and re-install all existing snap-on cover caps.**

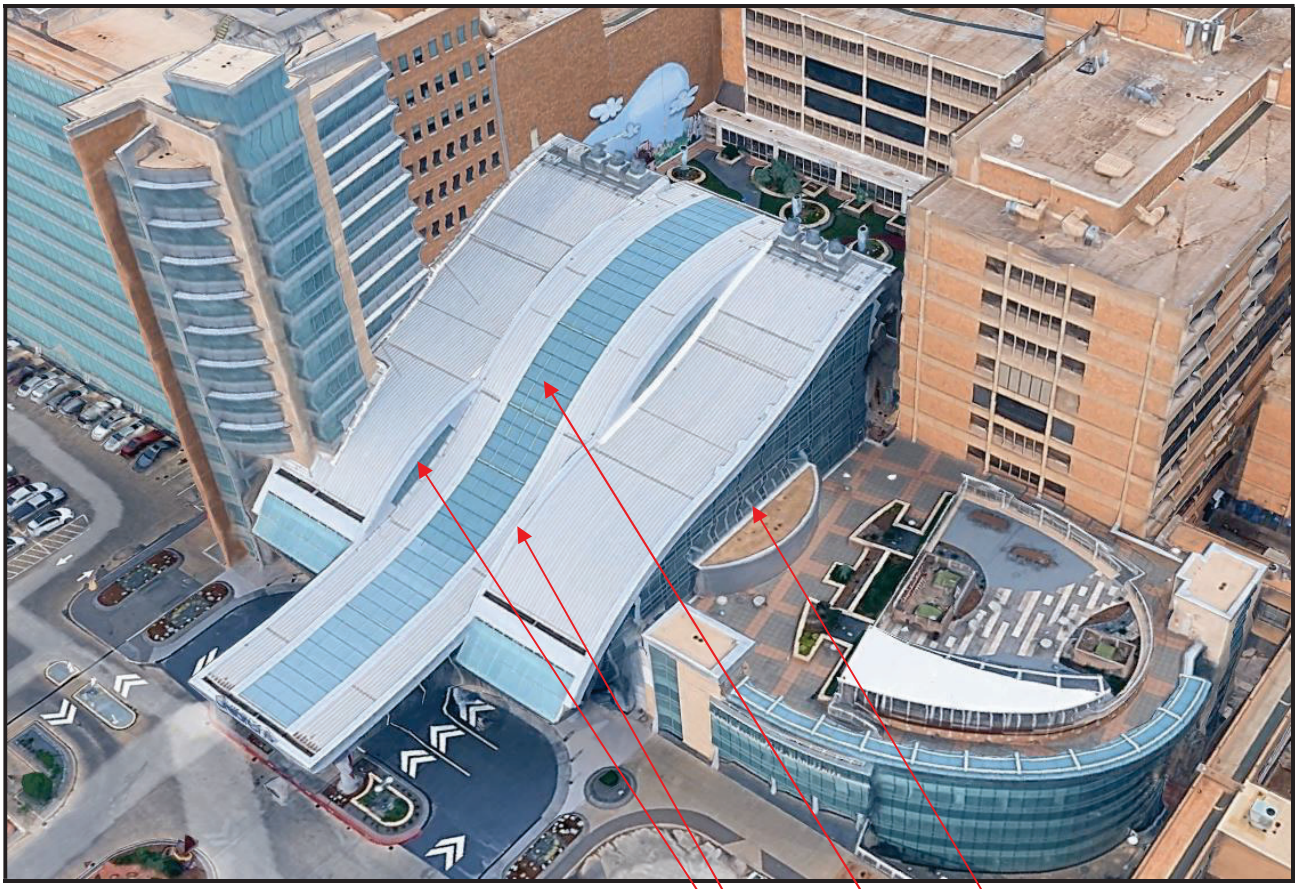
13. South Vertical Glazed Wall Raised Sill Condition Assessment Summary :

Based on the inspection performed, it is our professional opinion that the major components of the south vertical window wall systems such as glazing, supporting aluminum frame, exterior frame components and flashing components are all in relatively good condition, however, the sill to base flashing condition is in poor condition and most likely allowing water to infiltrate to the interior of the system.

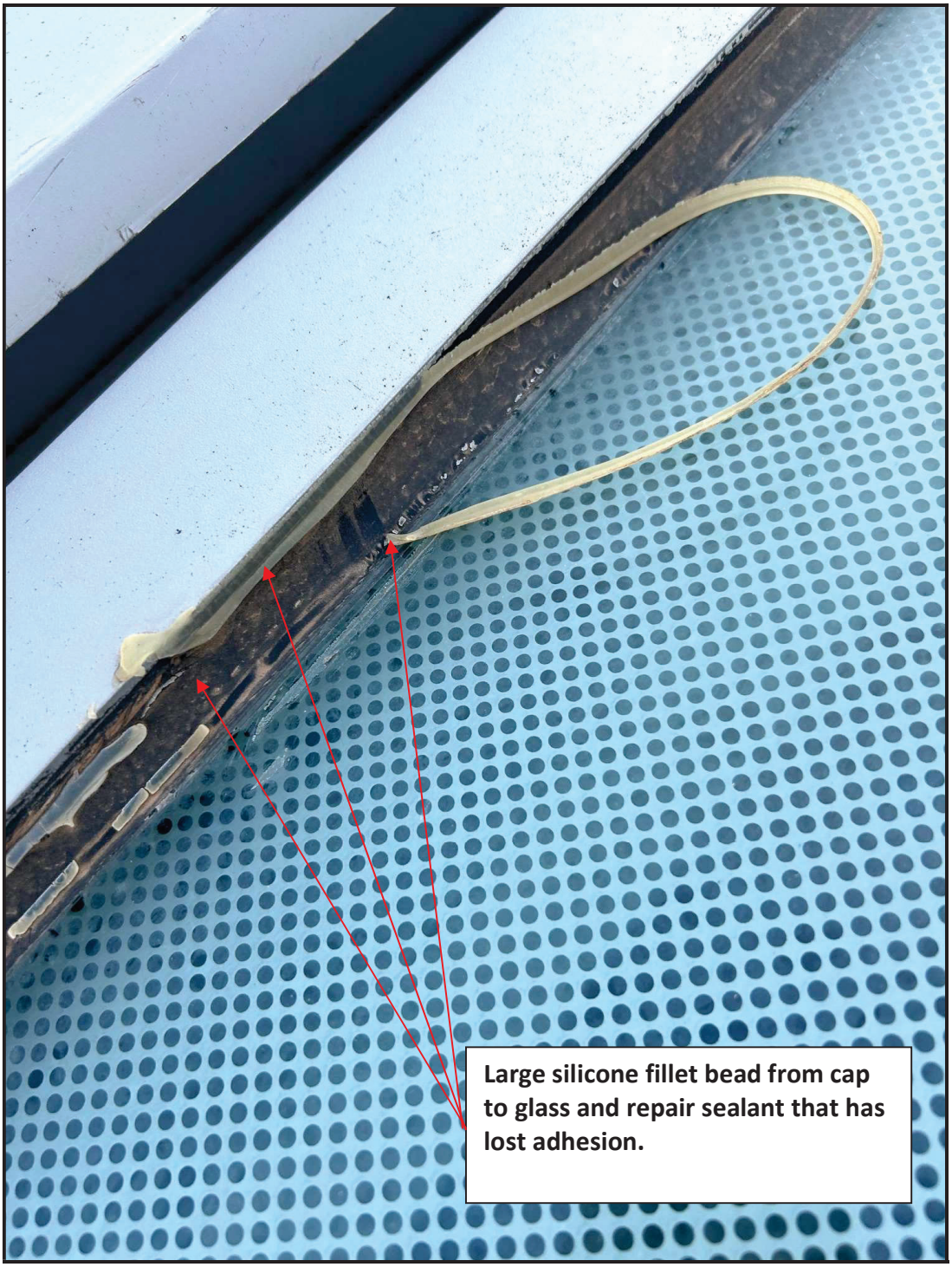
14. South Vertical Glazed Wall Repair Scope :

- **Completely remove all snap-on cover caps and silicone sealant joints ("wet seals") along the entire raised sill condition. All pressure plate and glazing units will remain in-place.**
- **Review all pressure plate intersections and caulk the intersections as needed to create a water-tight condition.**
- **Tighten and caulk all pressure plate fasteners.**
- **Clean and re-install all existing snap-on sill cover caps.**
- **Install backer rod and sealant between the bottom of the cover caps and the sill flashing.**
- **Install a new wet seal on the top side of the sill cap. Marry that new wet seal to the existing vertical mullion wet seals.**
- **Install Gray Dowsil 123 silicone sheet on all sheet metal expansion joint cover linear splices and sill flashing splices.**

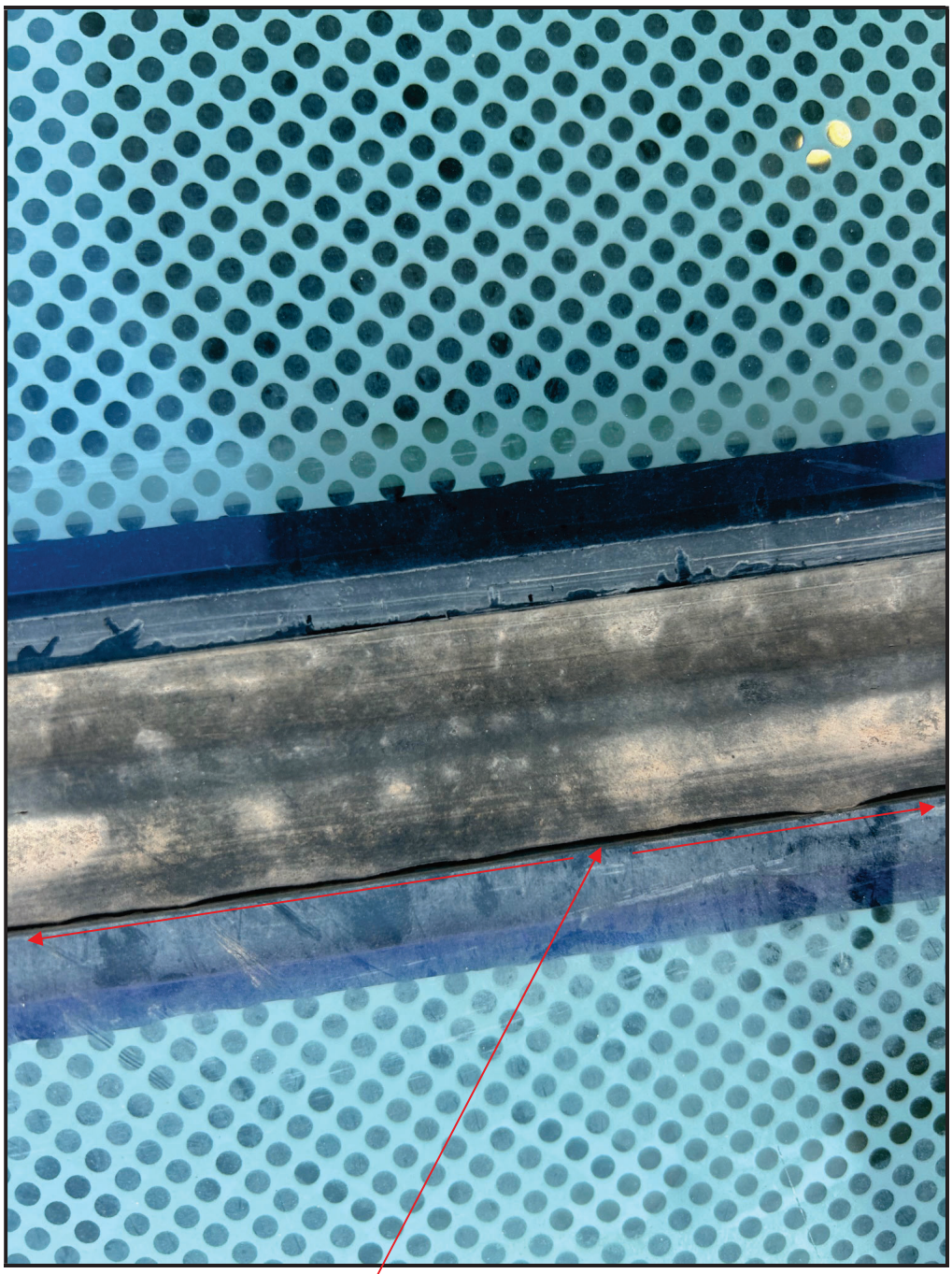
Overall Aerial View of the building:



Typical mullion Condition at Snap-on Cover Cap:

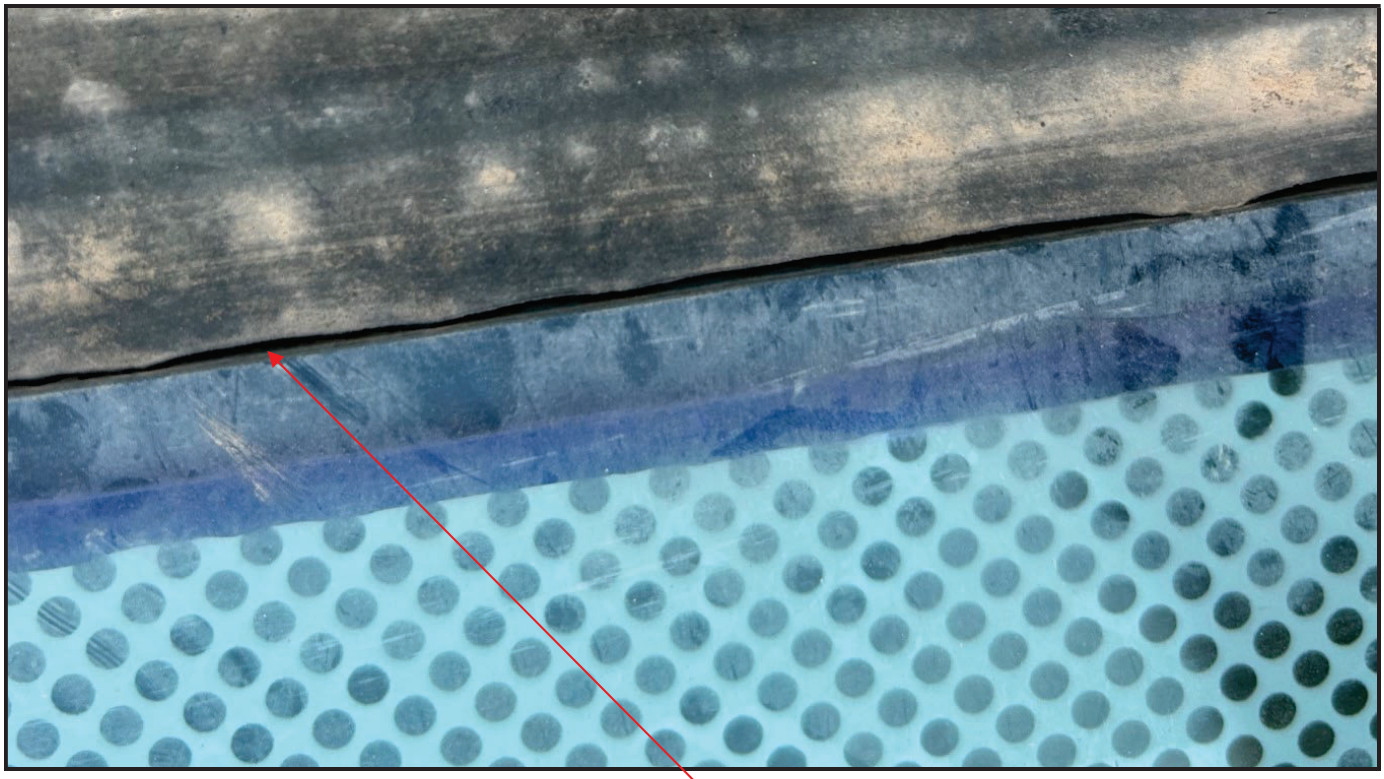


Glass-To-Glass Purlin Joint Condition:



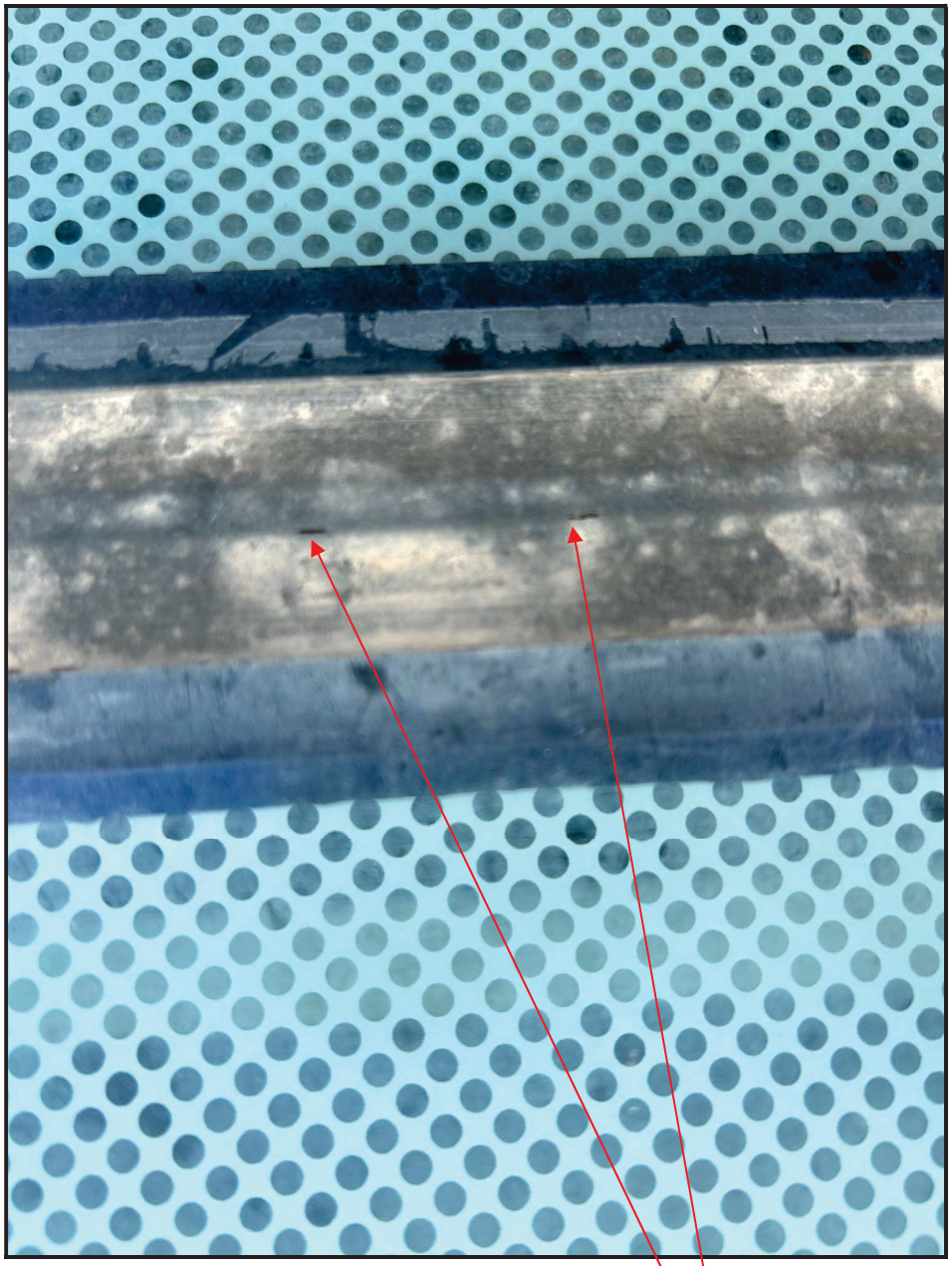
Defined separation and adhesion loss between the sealant and the glass edge is typical at many purlins.

Glass-To-Glass Purlin Joint Condition (Enlarged):



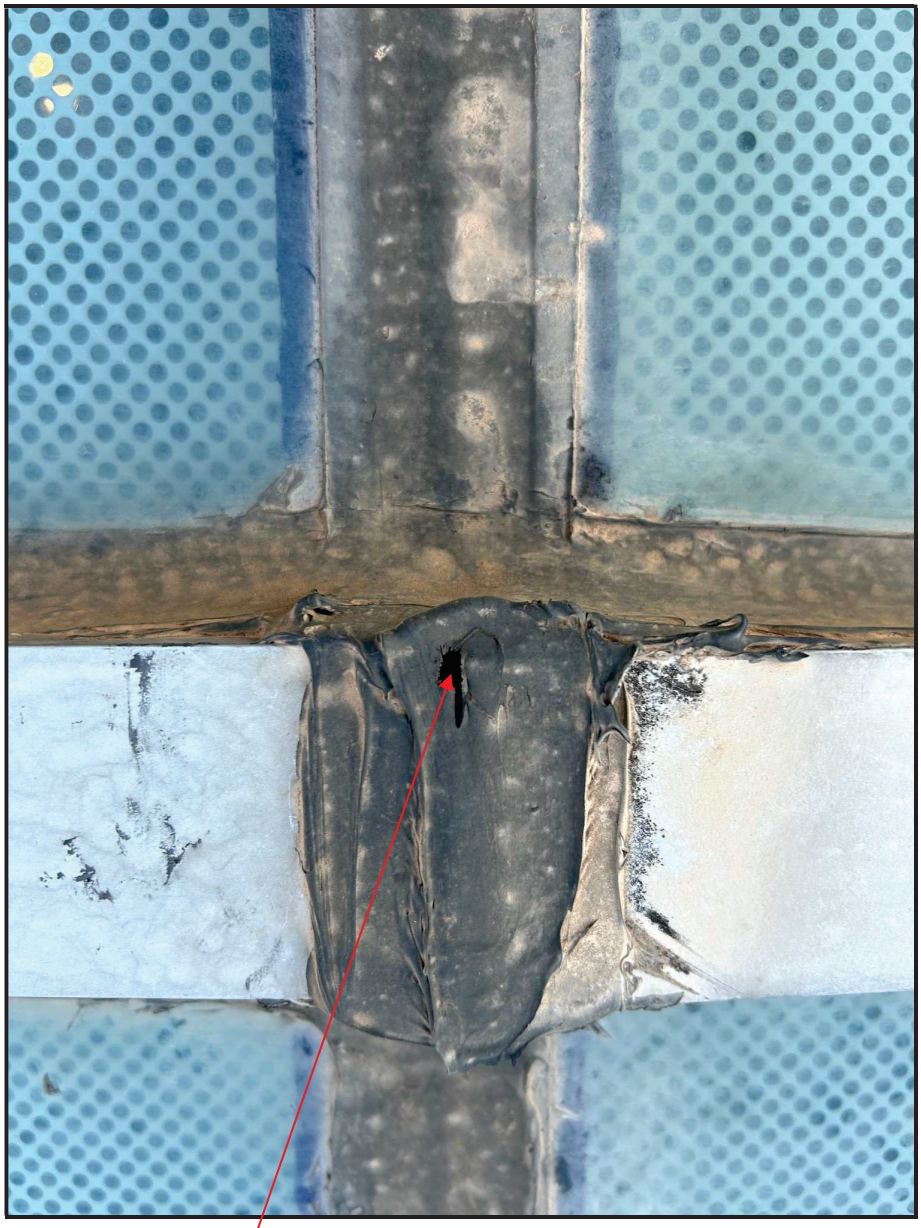
Definite separation and adhesion loss between the sealant and the glass edge. Typical at many purlins.

Glass-To-Glass Purlin Joint Condition:



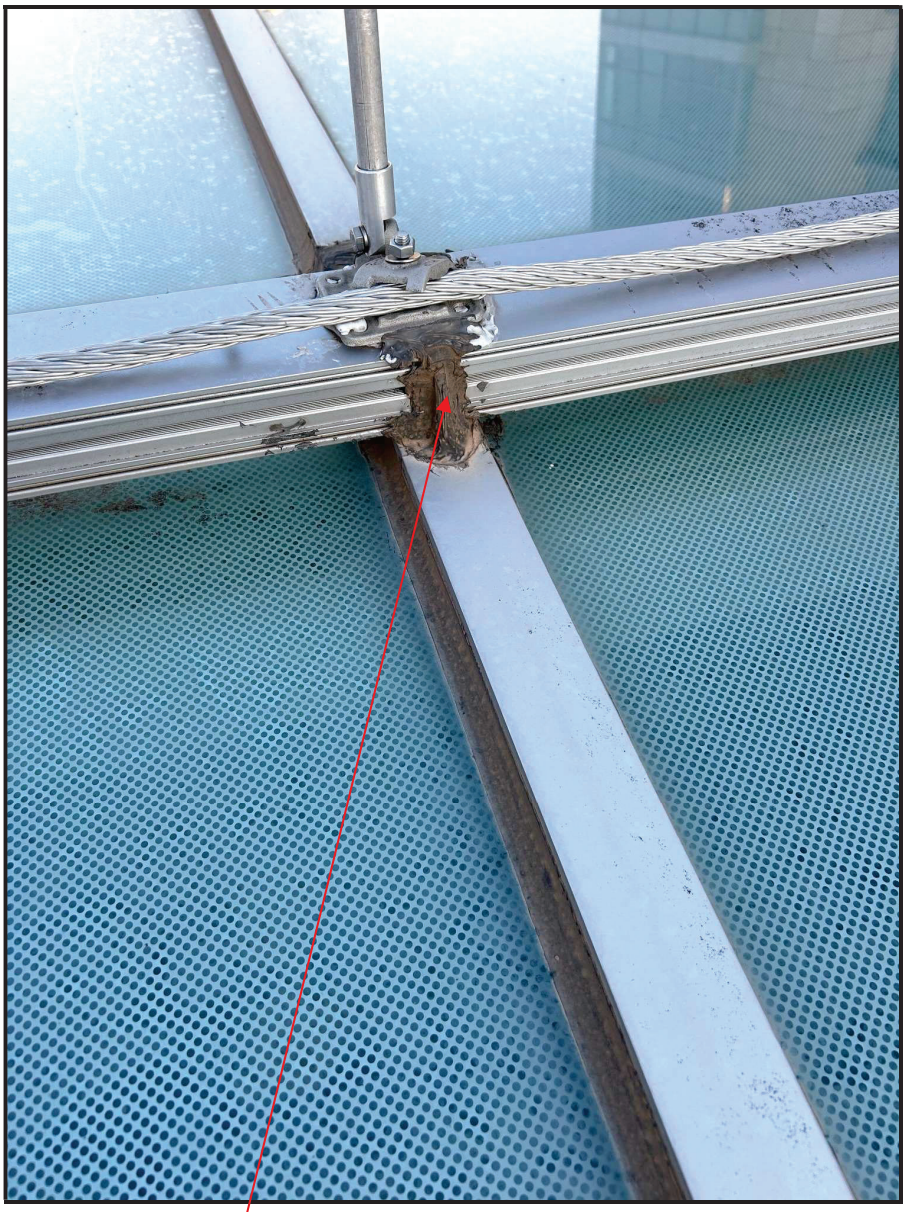
Cohesive sealant failure is starting to occur at many purlins joints as evidenced by these horizontal splits.

Mullion Cover Cap Splice Condition @ purlin joint:



Sealant void possibly from expansion and contraction, poor surface prep, birds or insects. Occurs in many locations.

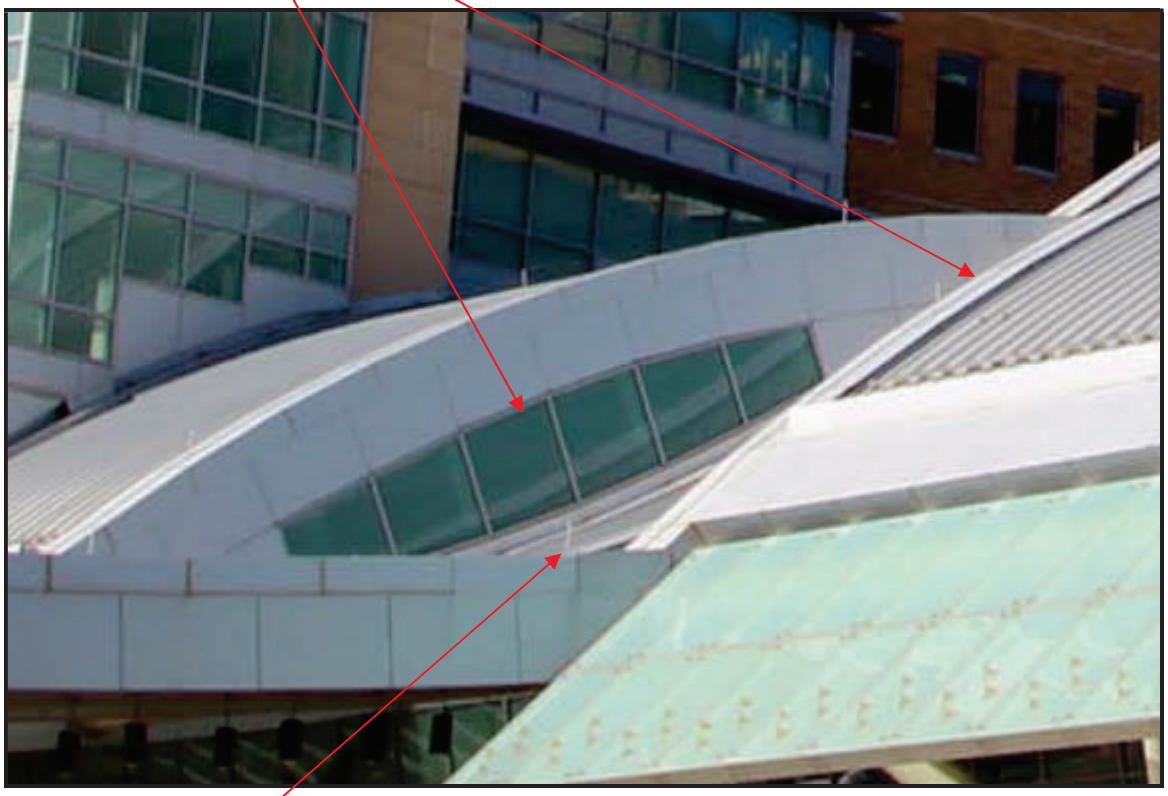
Snow Guard at Mullion Condition:



Sealant at the snow guard support plate penetration & snap-on cap wet seal. This particular condition looked good.

Window Wall Configuration & Surrounding Conditions:

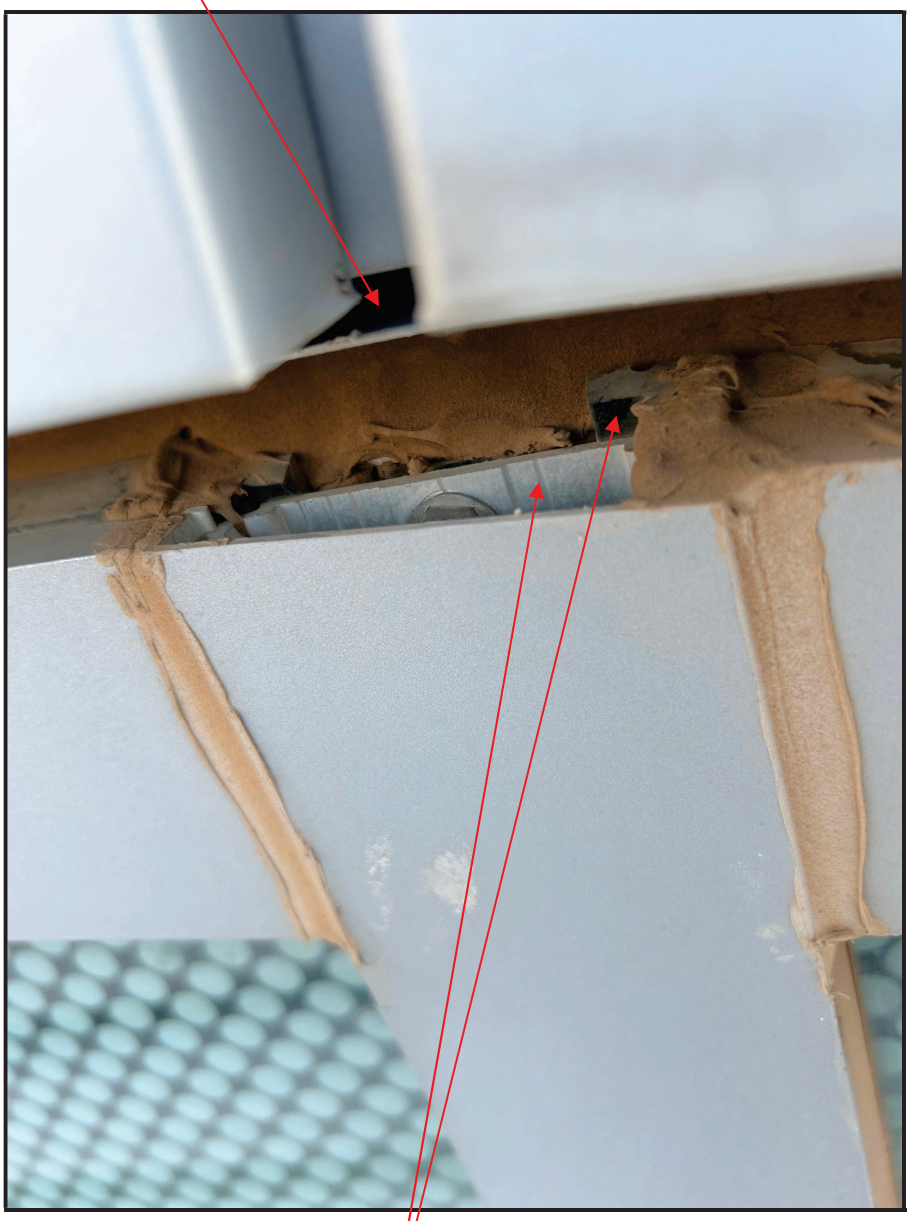
Window Wall locations



Skylight Location

Top of Vertical Mullion at Panel Joint Condition:

Open void at panel system



Unsealed pressure plate and cover cap voids

Perimeter Mullions to Panel System Interface Condition:

Intermittent sealant joint

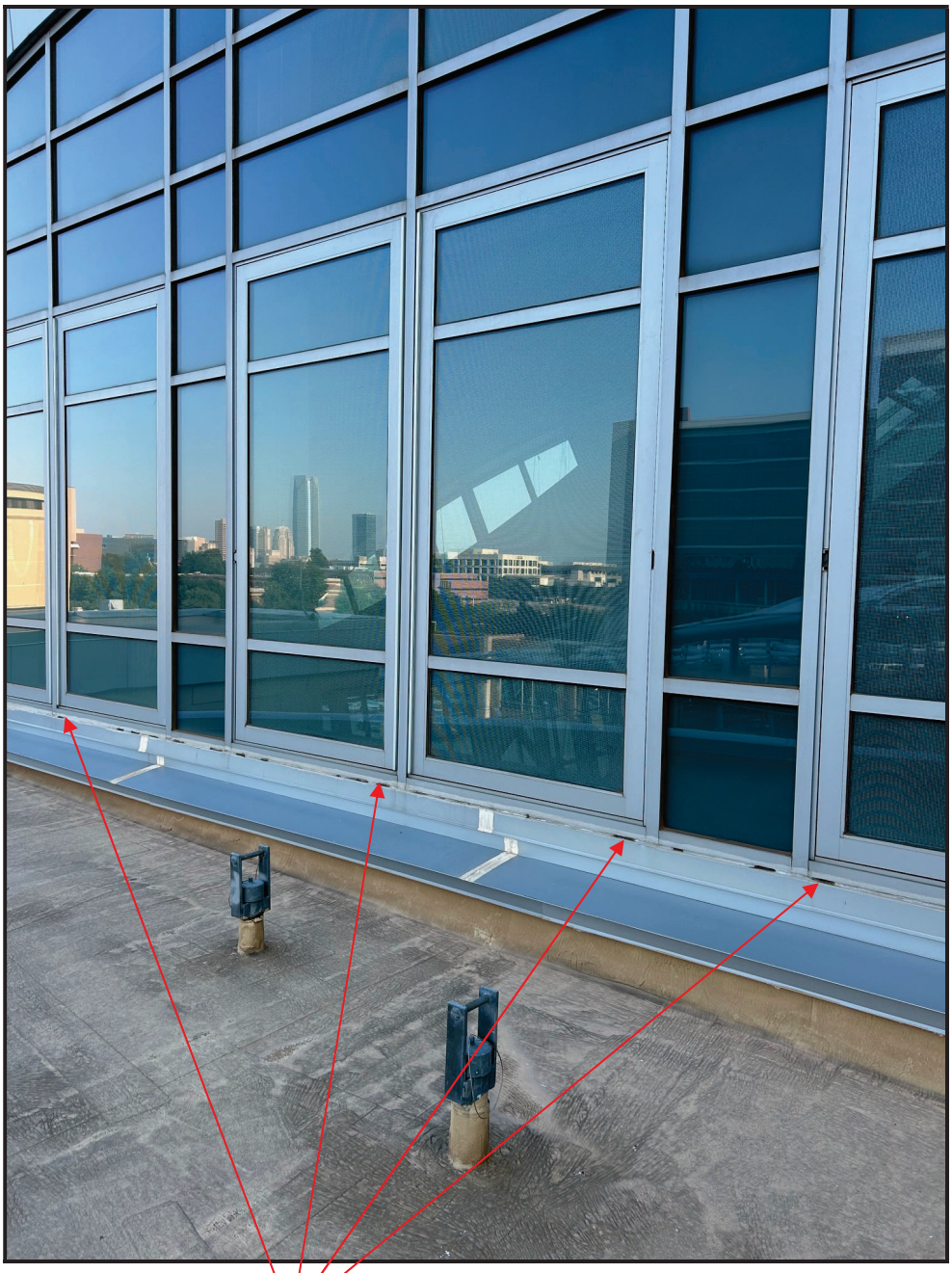
Open joint at panel to back pan condition?

Vertical Mullion to Sill at Roof Interface Condition:

Good Wet Seals

Crack in the roof coating

South Window Wall Configuration & Surrounding Conditions:



Condition reviewed is located here

Sealant Joint Conditions Found:

Open joint void:

Adhesion failure:

Hard / checked sealant:

Split / cracked sealant:

Sealant Joint Conditions Found:

Typical Mullion Wet Seals:

Typical Mullion Wet Seals:

Typical Sealant Void Locations:

Open sealant joint voids

Metal Roofing Report & Scope of Work

Donnie Wehrenberg

Metal Roof Contractors

Oct 17, 2025 | 59 Photos

OU Children's Hospital Atrium Roof Repair

Investigation Report

1/13/2026 4:05:28 PM

OU Children's Atrium Roof Repair

25895

THIS MANUAL PROVIDES DETAILED INSTRUCTIONS FOR INSPECTION, MAINTENANCE, AND REPAIR OF THE OU CHILDREN'S HOSPITAL ATRIUM ROOF. REFER TO R0.1 FOR COMPLETE PROJECT MANUAL AND DRAWINGS. THE PROJECT MANUAL AND REQUIREMENTS APPLY TO ALL WORK ASSOCIATED WITH THIS PROJECT.

SHEET LIST

ELEVATION & DETAIL LEGEND	MRC NOMENCLATURE + ABBREVIATIONS
	FV FIELD VERIFY DIMENSIONS WITH AS-BUILT CONDITION **NIC** NOT IN CONTRACT **AWB:** LINE OF EXPECTED AIR/WATER BARRIER (NIC)

MRC
METAL ROOF CONTRACTORS

Revisions

No.	Description	Date

COVER PG

Project Number:	#25895
Project Name:	OU Children's Atrium Roof Repair
Address:	1200 CHILDRENS AVE, OKC, OK, 73104
Approved By:	DW
Date:	1/13/2026 4:05:28 PM
Drawn by:	WT

R0.0

1. General Inspection Details

Inspection Date: 10-13-25

Location: 1200 Children's Avenue, Oklahoma City, OK 73104

Report Outline:

Material Types:

• Standing Seam Metal Roof Panels and Trims: IMETCO Zip Rib, 16" wide, 3 pencil ribs, Aluminum, thickness unknown, Clear Anodized finish (Confirm with owner)
• ACM Panels: Manucaturer, fabricator and sheet details unknown (Confirm with owner)

2. Step/Roof-to-Wall Trim Along North Wall

- Step and roof-to-wall trims located along the North wall

1

Date: Oct 13, 2025, 10:19 AM

2

Date: Oct 13, 2025, 11:01 AM

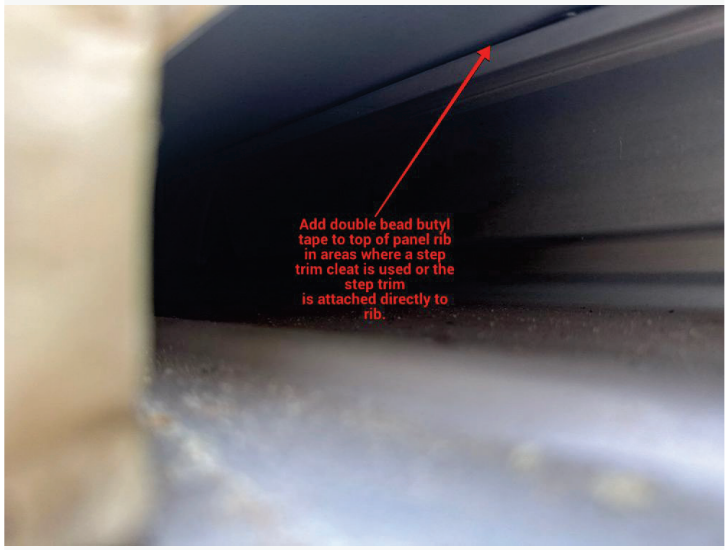
3

Date: Oct 13, 2025, 11:01 AM

4

Date: Oct 13, 2025, 11:02 AM

5



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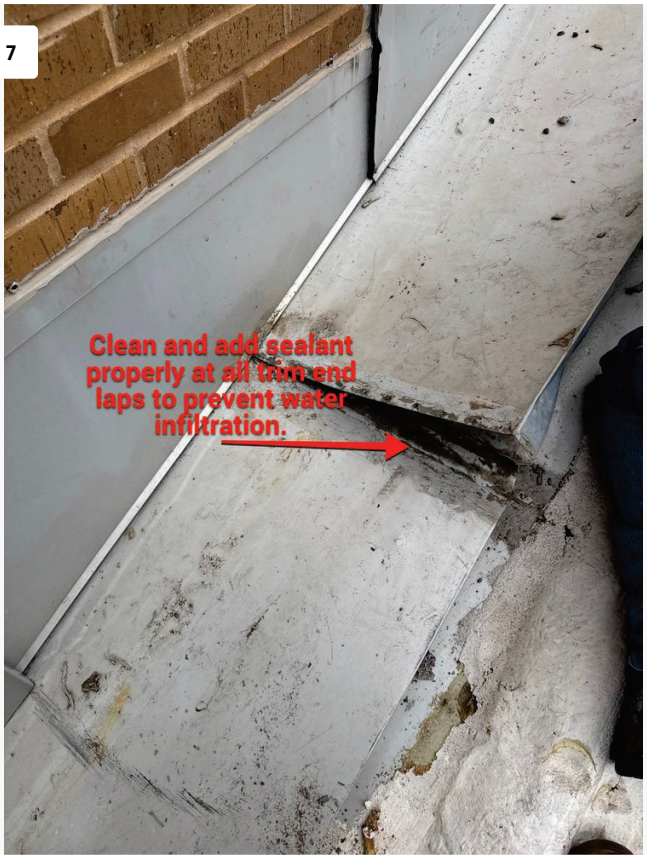

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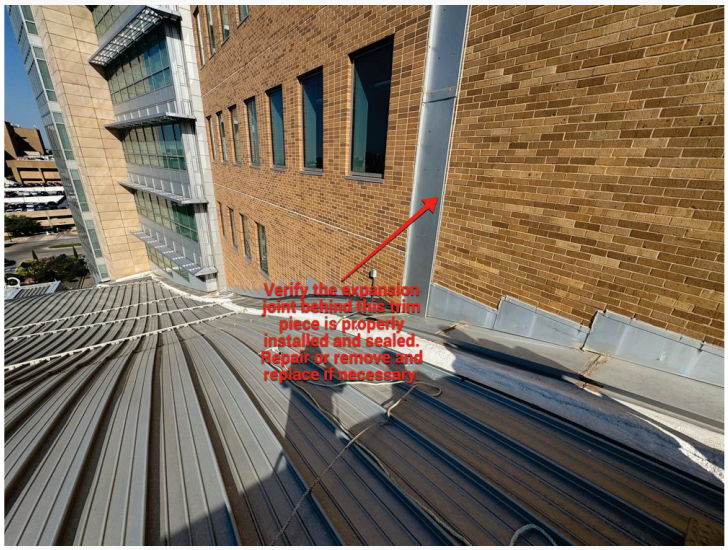

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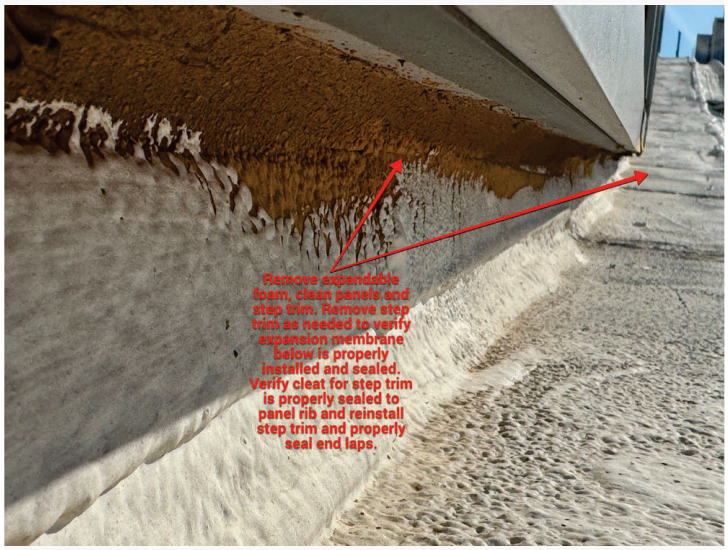

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3. Roof-to-Wall Trim Below Windows

- Roof-to-wall trim below windows on North and South side, above lower standing seam metal roofs
- Approximately 4 locations

1

Date: Sep 17, 2025, 10:31 AM

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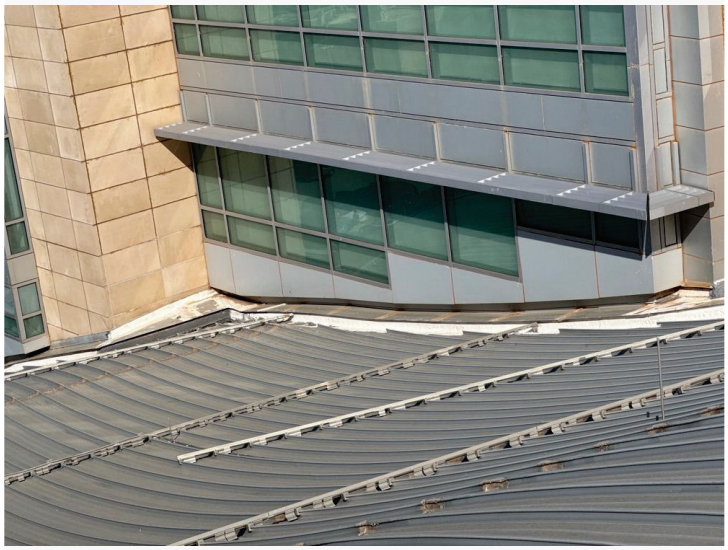

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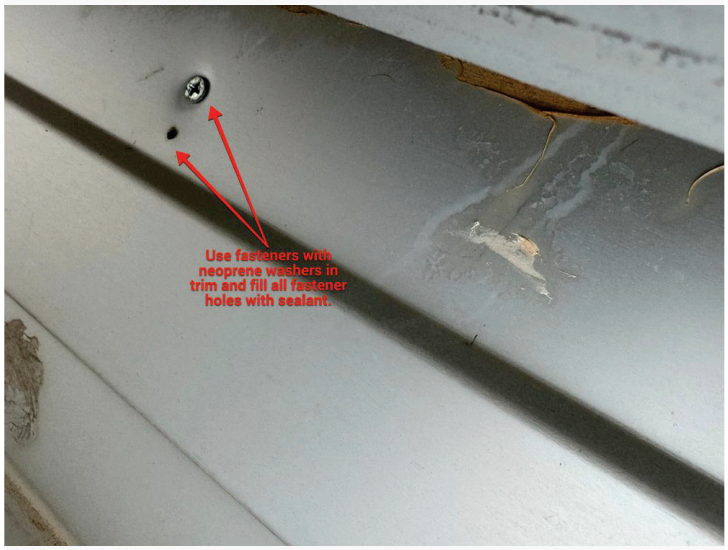

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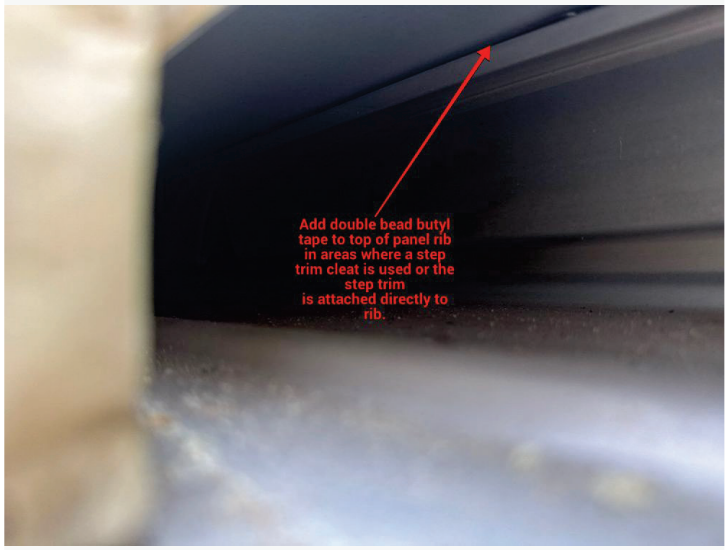

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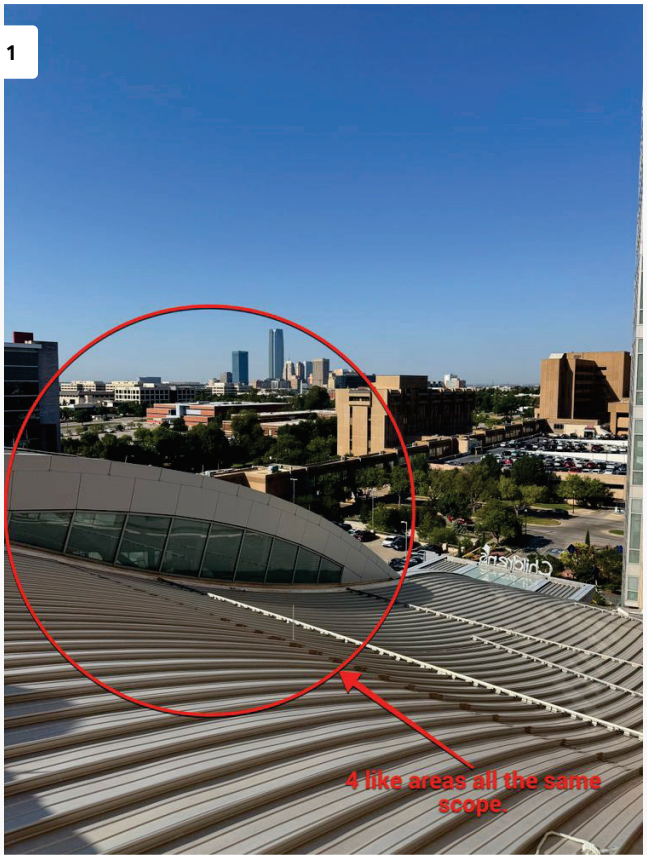
4. Rake Trim & ACM Panels in All Locations Above Atrium

- All rake trims at standing seam metal roof
- Approximately 3 locations

1



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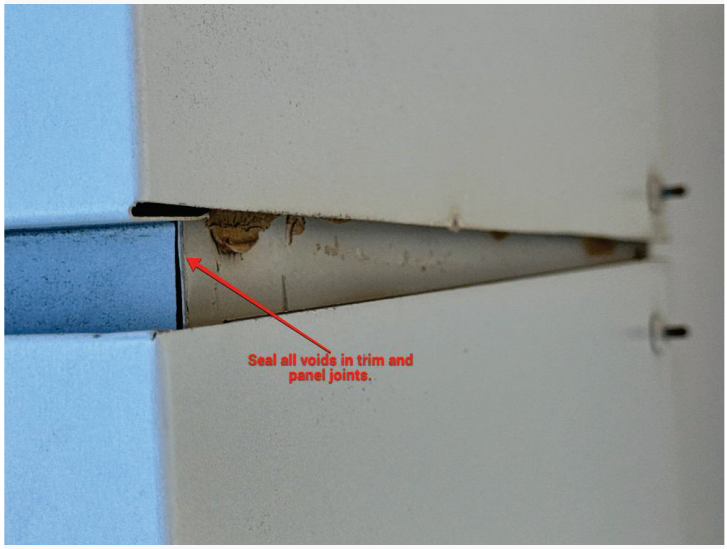

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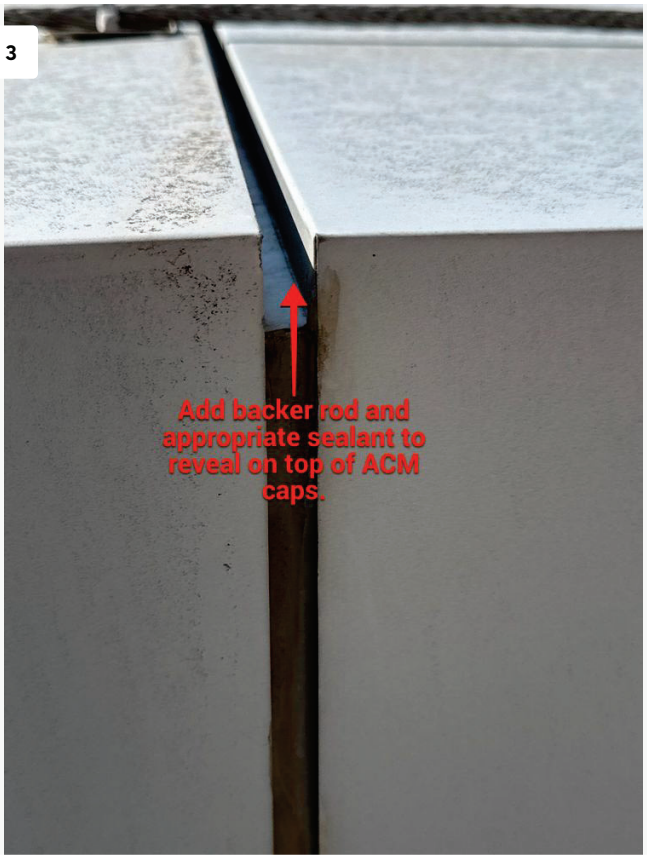

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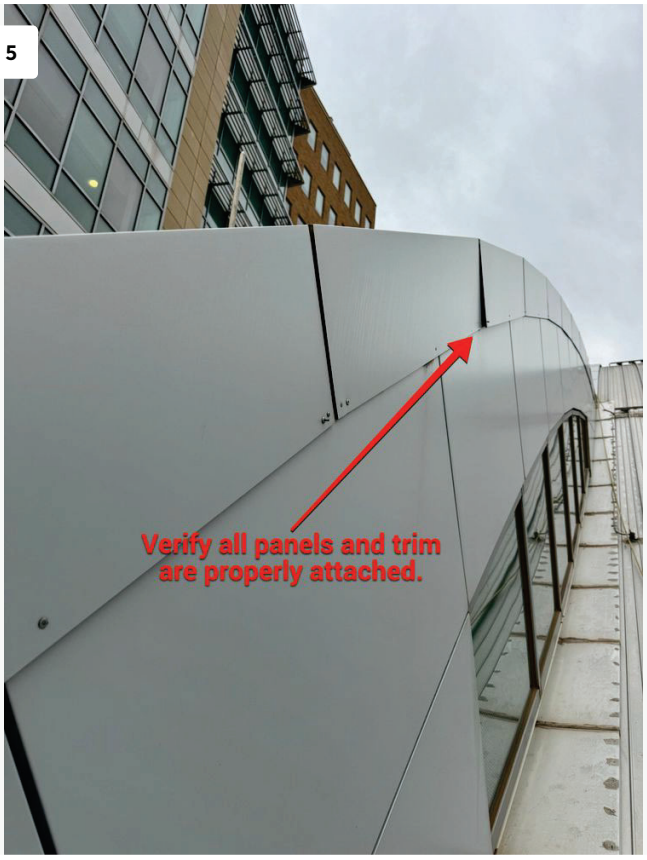

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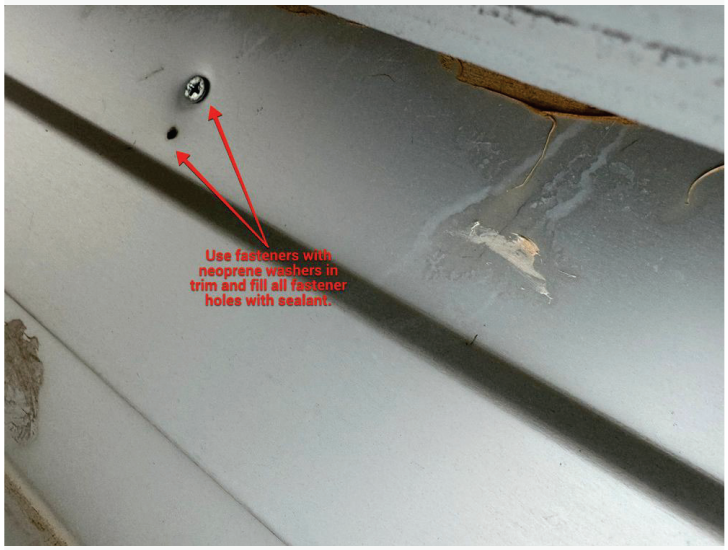

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5. Skylight-Roof Transition & ACM Panels

- Trims along the skylight-to-standing seam metal roof transition along entire length
- Approximately 2 locations

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6. Crickets Along North Wall

- Add crickets at North wall where standing seam metal panels dead-end to wall
- Approximately 2 locations

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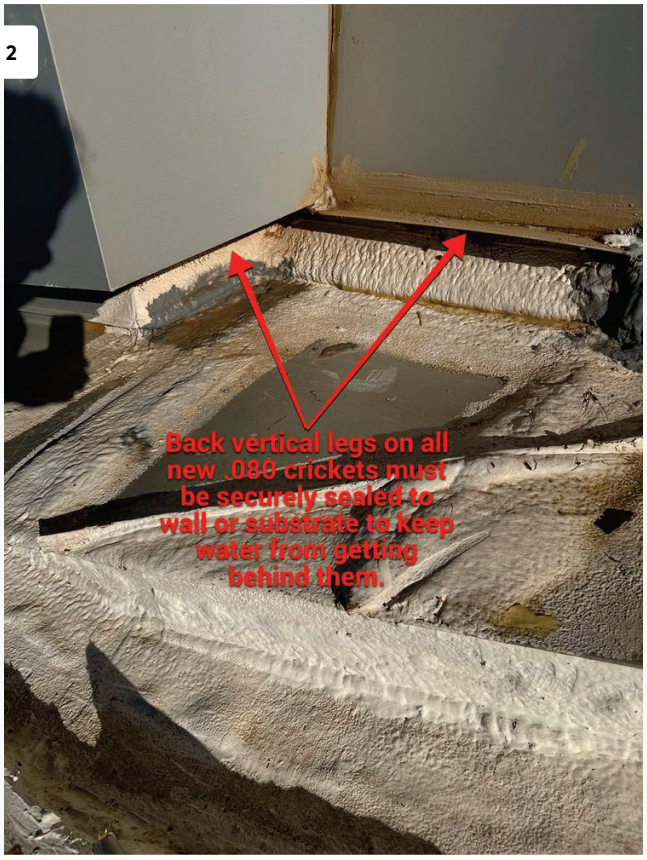

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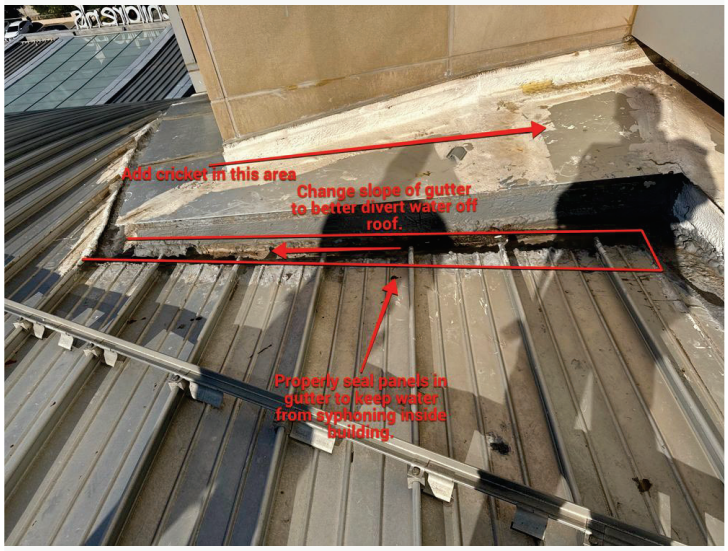

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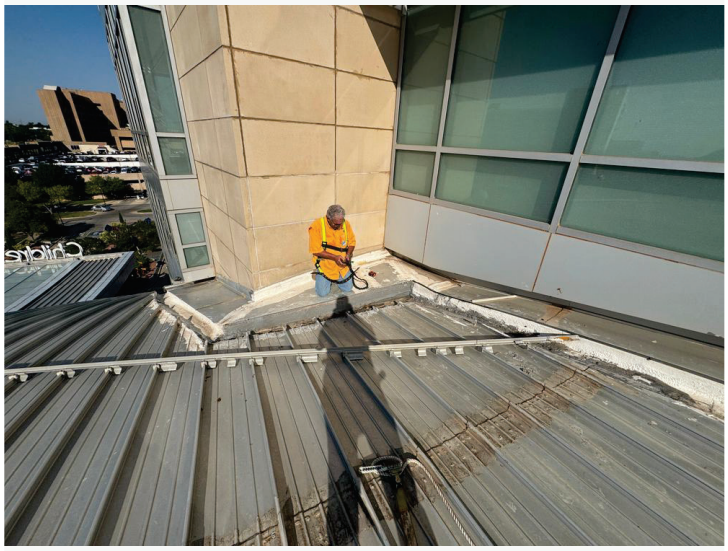

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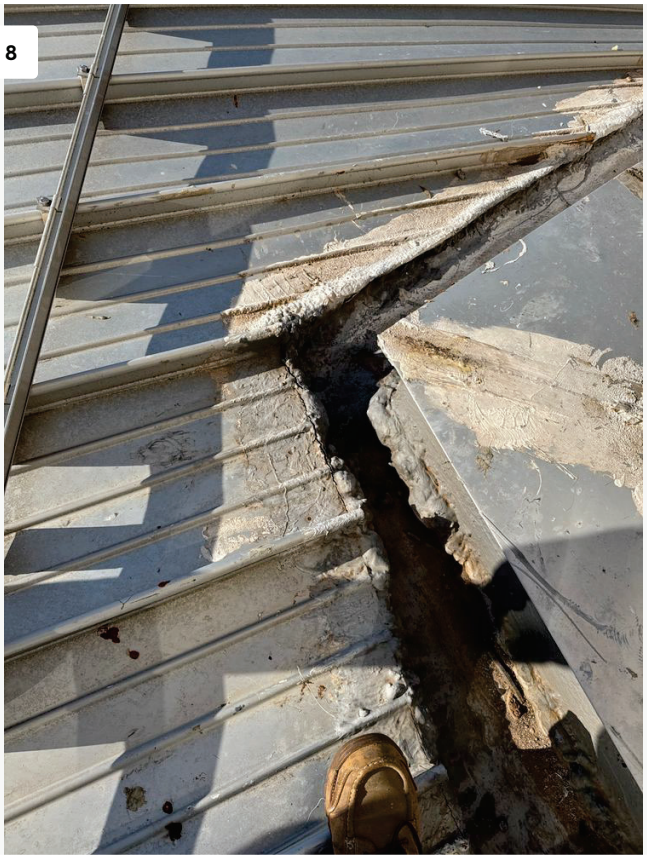

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7. Vertical Expansion Joint at North Wall

- Trims at vertical expansion joint on North wall
- Approximately 1 location

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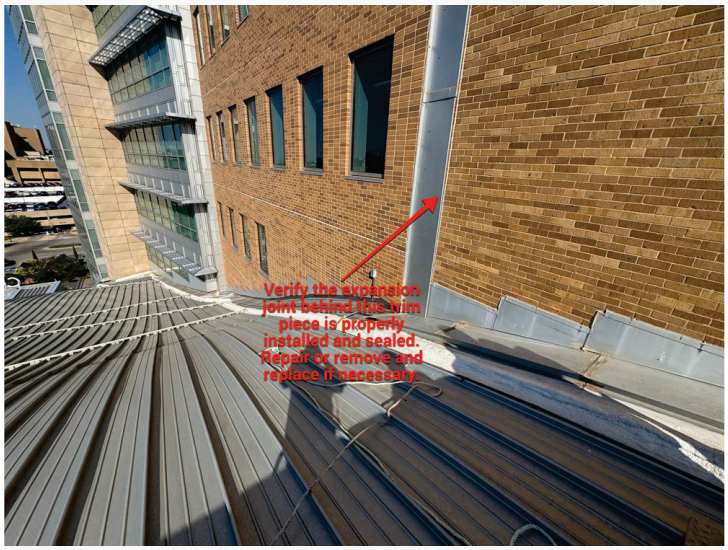

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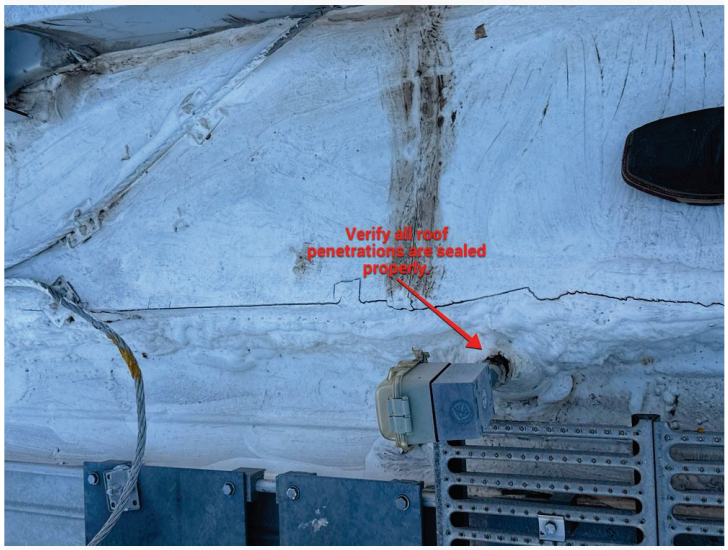
8. General Roof Repairs

- Roof penetrations
- Standing seam metal panel end laps
- Miscellaneous repairs

1



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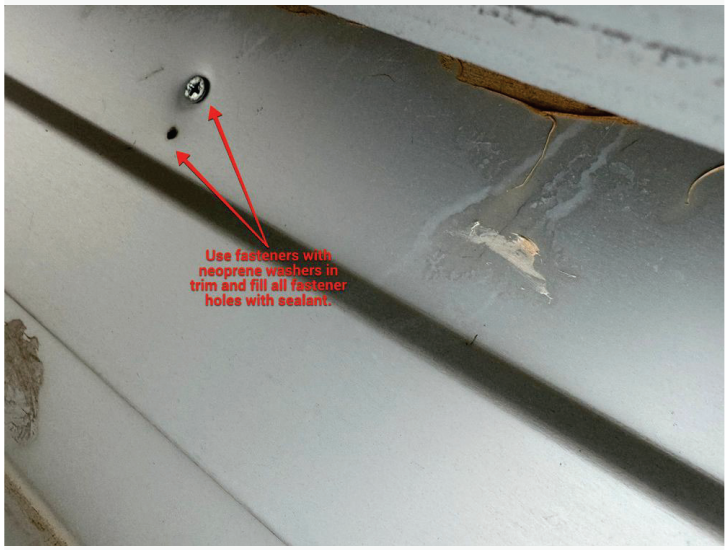

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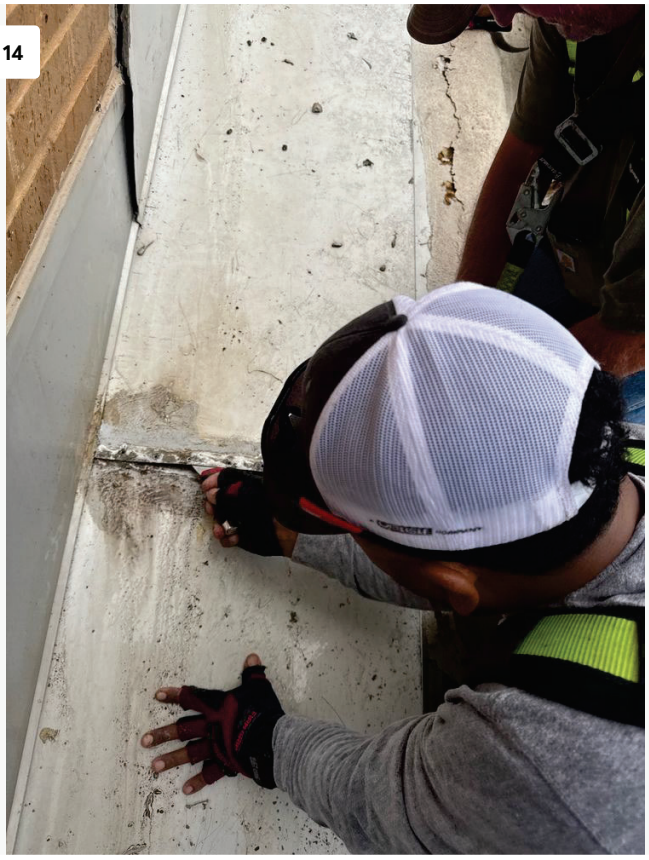

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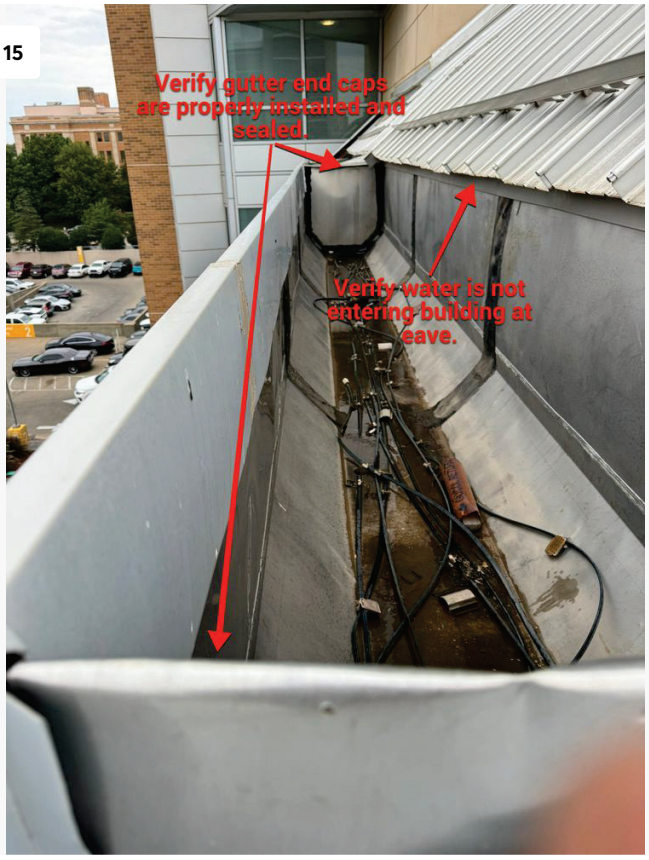

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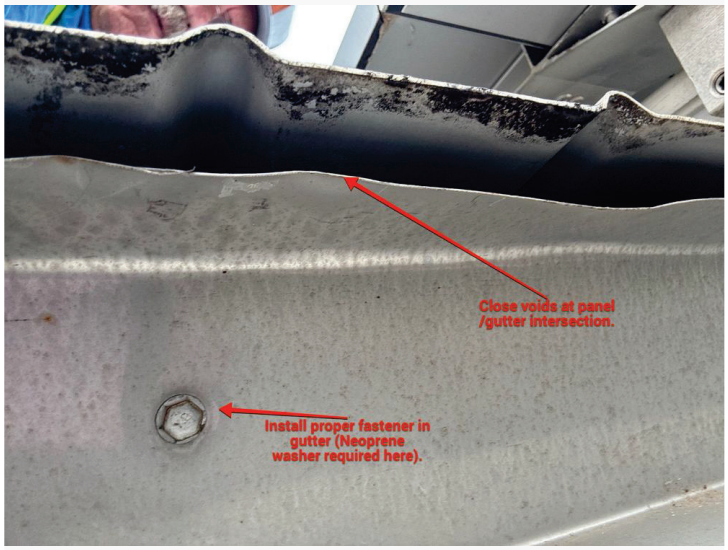

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9. Scope

Step/Roof-to-Wall Trims Along North Wall:

- Clean foam from panels.
- Remove existing closures and trims to inspect.
- Clean all step trim laps, seal with butyl caulking and rivet.
- Install butyl tape between all closures and panel ribs.
- Repair or replace as necessary. If new trims and closures are necessary, replace in kind, material and color (Closely match existing color). {Confirm color and material with Owner}

Roof-to-Wall Trim Below Windows (4 Locations):

- Clean foam from panels.
- Remove ACM panels at rake and protect to reinstall.
- Remove existing closures and trims to inspect.
- Clean all step trim laps, seal with butyl caulking and rivet.
- Install butyl tape between all closures and panel ribs.
- Repair or replace as necessary. If new trims and closures are necessary, replace in kind, material and color (Closely match existing color). {Confirm color and material with Owner}

Rake Trim & ACM Panels in All Locations Above Atrium (3 Locations):

- Remove ACM panels at rake and protect to reinstall.
- Remove rake trim to inspect closures, laps and panels. Re-install or replace and re-seal as necessary to keep watertight.
- Clean all step trim laps, seal with butyl caulking and rivet.
- Install butyl tape between all closures and panel ribs.
- Repair or replace as necessary. If new trims and closures are necessary, replace in kind, material and color (Closely match existing color). {Confirm color and material with Owner}
- Re-install ACM panels at rake and caulk joints in reveals on top side.

Skylight-Roof Transition & ACM Panels (2 Locations):

- Remove ACM panels at rake and protect to reinstall.
- Remove existing closures and trims to inspect.
- Clean all step trim laps, seal with butyl caulking and rivet.
- Install butyl tape between all closures and panel ribs.
- Repair or replace as necessary. If new trims and closures are necessary, replace in kind, material and color (Closely match existing color). {Confirm color and material with Owner}

• Re-install ACM panels at rake and caulk joints in reveals on top side.

Crickets Along North Wall (2 Locations):

• Add Aluminum crickets (0.080" thickness minimum) in 2 locations at bumpouts, as indicated on drawings.
• Ensure crickets extend under existing standing seam metal roof panels and/or trim for proper seal.
• Internal gutter starts approximately at highest cricket. Remove foam and debris in existing gutter and line with EPDM sheet. Ensure EPDM sheet is fully and securely adhered and extends under existing standing seam metal roof panels and/or trim for proper seal.

Vertical Expansion Joint at North Wall (1 Location):

• Loosen or remove existing expansion joint cover trim as necessary and re-seal as necessary.

Roof End Laps (No apparent evidence of existing leaks, but some are in poor condition):

• Clean existing sealant from standing seam metal roof panels to bare metal.
• Remove fasteners (and rivets where present) at end laps, separate panels and clean surfaces. Ensure back-up plate is secured during fastener removal. Apply non-skinning butyl caulking along fastener row between standing seam metall roof panels and reinstall with new fasteners.

Roof Penetrations:

• Clean sealant and/or foam around roof penetrations at walk platform and tie-off points and reseal.

Lightning Protection System:

• When encountered, remove and protect, and reinstall after completion of repairs.

Product Data Sheets

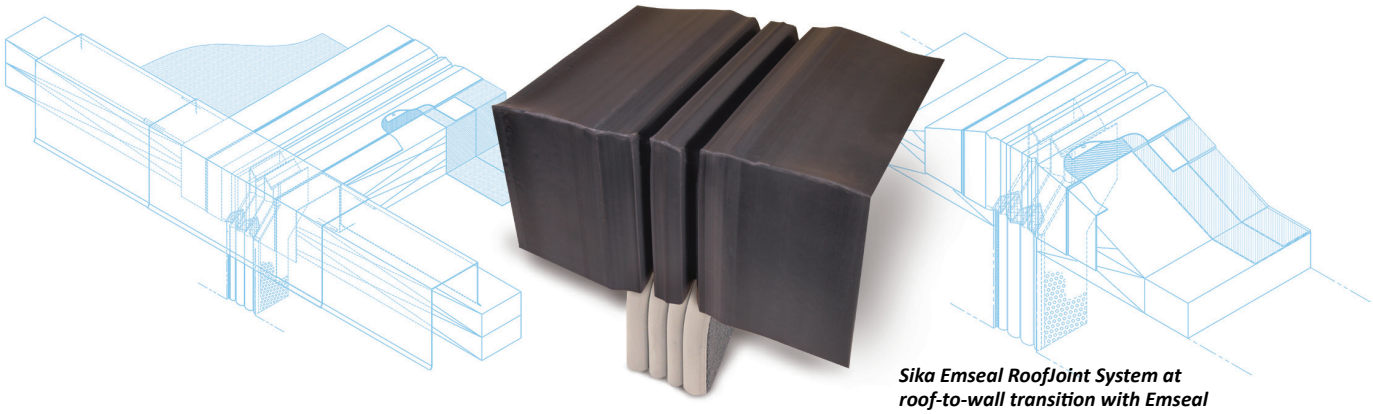
BUILDING TRUST

PRODUCT DATA SHEET

RoofJoint

Watertight, high-movement, weldable roof expansion joint

US Patents: 9,850,662 | 10,851,542



Sika Emseal RoofJoint System at roof-to-wall transition with Emseal Seismic Colorseal.

Product Description

RoofJoint by Sika Emseal is a dual-seal, double-flanged, extruded thermoplastic rubber system for sealing expansion joints in roofs. Watertightness is achieved through positive integration with the roofing membrane and a purpose-designed system for transitioning between the joint in the roof and joints in walls.

Features

- High movement
- Redundant sealing
- Double-level roof-membrane integration flanges
- Redundant fastening—adhesion or welding & termination bar
- Heat welded transitions at tees, crosses, roof-to-wall, etc.
- Watertight transition to SEISMIC COLORSEAL ® wall joints
- Uniquely addresses wall joint to roof joint interface
- UV-stable
- TPV or PVC for broadest liquid and sheet membrane compatibility

What's the Difference?

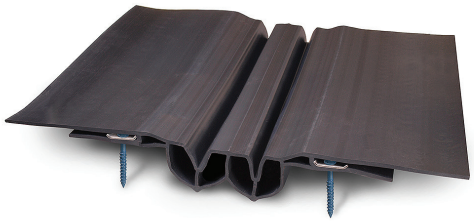
The waterproofing elements of roof expansion joints currently are looped membranes. The loops either hang down into the joint in the case of metal-cover systems, or are humped up by means of a foam backing. Either way, while they look good in cross-section, looped membranes don't work well at the transition from the roof joint to wall joints where they often lead to drainage problems.

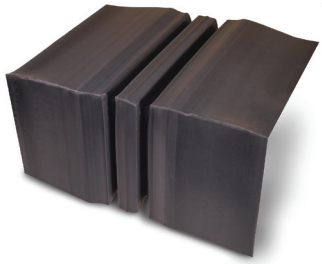
Sika Emseal's decades of experience lies in sealing parking and plaza deck joints with systems that sit in the joint.

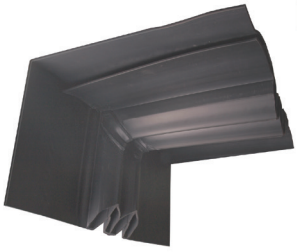
As with the products used for these other critical waterproofing applications, an extruded joint profile that incorporates redundant levels of sealing, low-strain compression and extension capability, and a broad cross-section that can be welded to ensure continuity of seal in changes in plane and direction, are the hallmarks of Sika Emseal's RoofJoint system.

Unique to Sika Emseal's RoofJoint is the double-level flange. This flange configuration facilitates multi-layered, watertight integration with the roofing membrane.

The lower flange is welded or sealed to the roof membrane brought up to the joint. A termination bar and anchors mechanically locks the flange to the roof decking or blocking.







RoofJoint transition shown from top view and underside (with reinforced weld).

The upper flange counter-flashes the termination bar and underlying membrane ensuring that penetrations made by the attachment of the termination bar are completely sealed. The upper flange is further flashed to the roofing membrane by means of the roofing manufacturers' standard flashing tape or by over-welding a strip of roofing.

RoofJoint includes necessary termination bar and fasteners required for installation.

Movement at the joint is accommodated by the folding design of the gland. The double-cell configuration ensures redundancy in sealing. The geometric shape is purpose-designed for the lowest strain during movement to ensure longevity.

RoofJoint Composition - NPVC or TPV

RoofJoint is available in two thermoplastic formulations, Nitrile PVC flexible alloy and TPV.

Nitrile PVC Thermoplastic Alloy
Manufactured for direct welding to PVC-based roof membranes, adhesion into hot or cold-applied asphaltic systems, most urethane based liquid-applied membranes, and PMMA/PUMA systems..

The NPVC version of RoofJoint is extruded from a thermoplastic PVC alloy. Unlike typical PVC's this flexible alloy is recyclable. While other PVC's can be down-cycled (made into something lesser than the original part) the RoofJoint, during die balancing for example, can be ground up and put directly back into the extrusion stream. This assures virtually no waste in its processing.

The compounds are based on ultra-high molecular weight PVC resins. This family extends the performance of flexible PVC by providing improved toughness, abrasion resistance, compression set resistance and low-temperature properties.

A Nitrile PVC thermoplastic blend was chosen for this product for its compatibility with most known roofing and waterproofing systems. It can be heat-welded to PVC roofs, and subject to the recommended procedures of the particular roofing membrane manufacture in respect to preparation, cleaning, priming, etc, adheres well to the accessories of all glued systems.

TPV (Thermoplastic Vulcanizate)
Manufactured for welding to TPO (Thermoplastic Olefin)-based roof membranes , and for integration into EPDM roofing systems. The TPV version of RoofJoint, is offered for its ability to be welded to TPO and EPDM membranes.

Performance

Joint Sizes:
RoofJoint can be installed into joints from 2 to 9 inches wide (50 - 225mm).
RJ-0200 fits gaps from 2 to 3 inches (50mm - 75mm)
RJ-0400 fits gaps from 3 to 5 inches (75mm - 125mm)
RJ-0600 fits gaps from 5 to 7 inches (125mm - 175mm)
RJ-0800 fits gaps from 7 to 9 inches (175mm - 225mm)

Movement capability:
RJ-0200: 2 1/2 inches (60mm)
RJ-0400: 5 inches (125mm)
RJ-0600: 7 inches (175mm)
RJ-0800: 9 inches (225mm)

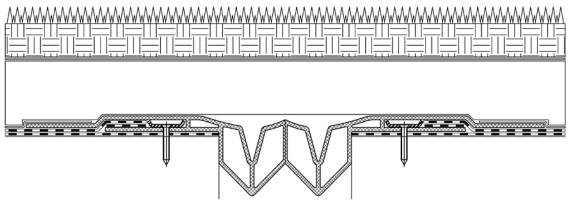
Continuity of Seal

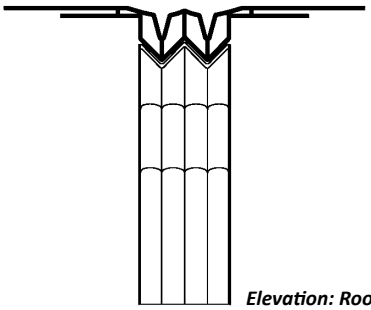
As with all Sika Emseal expansion joint systems, continuity of seal is extended to crosses, tees, upturns, downturns, roof-to-wall, and other compound conditions typically found in construction projects.

Factory-fabricated transition pieces can be welded to straight lengths in our plant wherever field measurements are provided or can be butt-welded to straight lengths in the field using simple equipment and training available from Sika Emseal. All welds are strengthened with reinforcing strips.

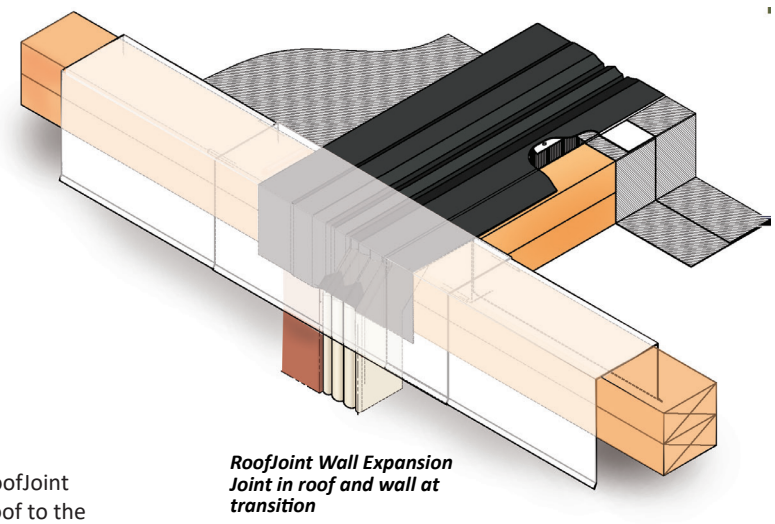
Green/Garden/Vegetative Roofs

RoofJoint is ideally suited for use in sealing the structural slabs beneath green, vegetative roof assemblies. Because the growing medium is loose, compressible and granular, movement that occurs at the structural slab can be absorbed without detrimental effect in the green roof overburden.





Elevation: RoofJoint integration with RoofJoint Closure



RoofJoint Wall Expansion Joint in roof and wall at transition

RoofJoint to Wall Expansion Joint Transition

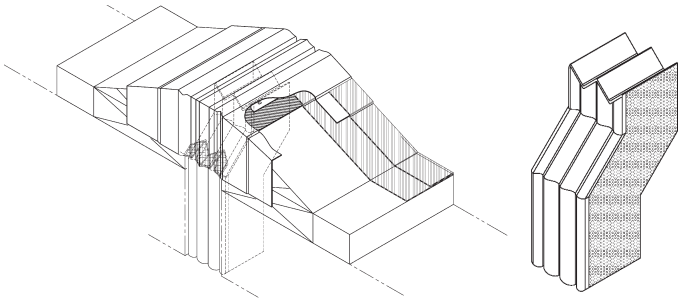
In particular, Sika Emseal has focused the development of RoofJoint on solving the problem of a watertight transition from the roof to the wall expansion joint. The solution lies in the Sika Emseal RoofJoint seated in the joint-gap, a factory welded downturn transition in the RoofJoint gland that is sealed at a ship-lapped 45-degree angle to mate with an interlocking factory-fabricated RoofJoint/Seismic Colorseal transition piece.

The result is an integrated wall and roof expansion joint system that is watertight.

Two Options: ***Solid-Wall*** RoofJoint Closure or ***Cavity-Wall*** RoofJoint Closure:

1. Solid-Wall RoofJoint Closure

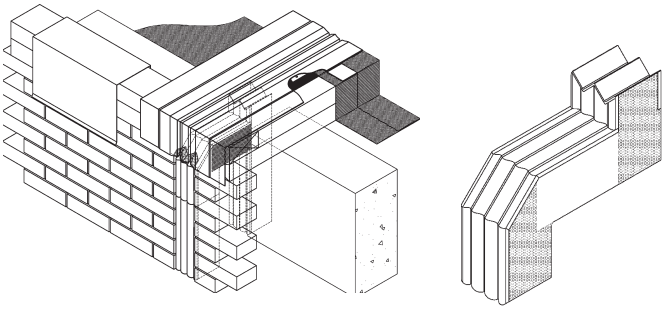
This factory-fabricated transition piece is manufactured from Seismic Colorseal wall-expansion joint material from Sika Emseal.



This single unit piece has factory-coated silicone bellows on the top and upper-back faces for integration with Seismic Colorseal in the wall and Horizontal Colorseal as a secondary seal and insulator across the roof. The silicone-coated top side of the closure is shaped to match the underside of the RoofJoint extrusion.
The Solid-Wall RoofJoint Closure is installed before installing the RoofJoint. It is installed ¾" down from the roof deck or wood blocking surface. A sealant band of silicone is applied across the upper mating surface of the closure. The RoofJoint is then installed. The underside of the RoofJoint will mate with the top of the already installed closure.

2. Cavity-Wall RoofJoint Closure

Like the solid-wall closure, the cavity-wall RoofJoint closure, is a factory-fabricated transition piece made from Seismic Colorseal. The difference is an extended, horizontal setback portion of coated foam to bridge the cavity from facade to structural backup wall. The sides of the "bridge" are additionally coated with silicone to seal them against moisture in the cavity and to constrain the lateral expansion of the foam into the cavity.



Colors

The TPV version is available in reflective white. The PVC version is available in both black and reflective white. Consult Sika Emseal for color variations to coordinate with traditional or reflective roofing membranes.

Non-Roof Applications

In addition to roof applications, RoofJoint can be effectively used for softscape plazas as well as split slab and hardscaped decks when drainage or other construction may be impeded by the expansion joint protruding above the structural deck elevation. In these cases an additional expansion joint seal would be needed at the wearing course. (See Emseal's SJS, DSM and DSM-DS.) As with roof applications where a fire-rated seal is also required, Emshield ® DFR can be installed directly below the RoofJoint.

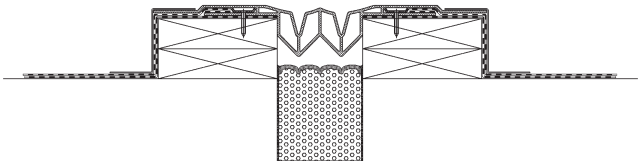
Insulation

Insulation in the joint opening beneath a roof expansion joint is critical in maintaining energy efficiency in the structure. Insulation under Sika Emseal's RoofJoint can be achieved in two ways:

Insulation Method 1

(Specifying and Installing Horizontal Colorseal beneath the RoofJoint)

The advantage of this solution is that in addition to insulating, the Horizontal Colorseal will create an additional watertight barrier beneath RoofJoint that ties into the Seismic Colorseal RoofJoint closure and further ensures continuity of seal with the wall joint. The R-Value of Horizontal Colorseal is 2.15 per inch of depth. Therefore in 4-inch joint, Horizontal Colorseal has a depth of 4.5 inches and an R-Value of 9.675. To increase the R-Value using Horizontal Colorseal, specify an increased custom

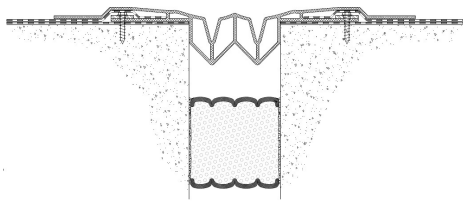


depth.

Insulation Method 2

(Specifying and Installing Emshield® DFR beneath the RoofJoint)

By installing DFR, it will provide all the same benefits as Horizontal Colorseal, but also provide a fire-rating.



Installation

The unique dual-level flange provides numerous options for integration and flashing into roof membranes. The ultimate sequence of integration and decisions regarding integration method (welding, adhesive, adhesion strip, priming etc.) is at the discretion of the specifier and/or roofing membrane manufacturer.

In principle, the RoofJoint should be installed over the properly secured membrane either by welding or adhering the bottom side of the lower flap to the in-place roof membrane. The lower flap of the RoofJoint should then be mechanically fastened with the supplied termination-bar and anchors.

STEP 1: Install and secure the roof membrane

STEP 2: Install RoofJoint Closure into wall joints

STEP 3: Install RoofJoint starting at roof-to-wall factory–fabricated downturn

STEP 4: Adhere or weld lower RoofJoint flange to in-place roof membrane

STEP 5: Install termination bars and anchors

STEP 6*: Install another layer of roof membrane

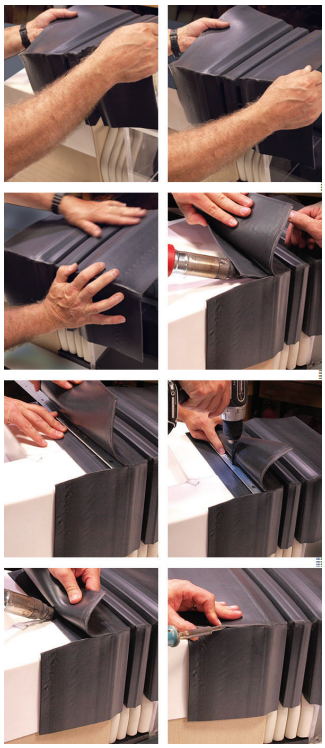
STEP 7: Weld or adhere upper RoofJoint flap to upper roof membrane

STEP 8*: Counter-flash upper RoofJoint flap with more roof membrane

STEP 9: Install coping flashing sheet metal cap in overlapped configuration to accommodate movement at the structural joint

(*Note: STEPS 6 & 8 at the discretion and direction of the specifier and/or roofing membrane manufacturer.)

RoofJoint includes necessary termination bar and fasteners required for installation



Test Results

Table 1: Typical Physical Properties of RoofJoint NP Black

Properties	*Result (Average)*	*Test Method*
Tensile Strength, (psi) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 2,320 / Std. Dev. 40	ASTM D 412
Elongation, Ultimate (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 380 / Std. Dev. 20	ASTM D 412
Tensile Set, (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min; 50% Elongation;	MD = 0.0 / Std. Dev. 0.0	ASTM D 412
Dynamic Puncture Resistance, (J) 9.8" x 9.8" specimens; Cond.: 8h @ 73±2°F; Load @ 73±2°F over Type IX EPS;	27.5	ASTM D 5635
Static Puncture Resistance, (lbf) 7.9" x 7.9" specimens; Cond.: 8h @ 73±2°F; Load for 24±0.25h @ 73±2°F; Type IX EPS;	53	ASTM D 5602
Tear Resistance, (lbf/in.) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 306 (Median) Std. Dev. 12 CMD = 299 (Median) Std. Dev. 5	ASTM D 624
Low Temperature Bend, (Pass/Fail) 1" x 4" MD Specimens; Cond. 4h & Test @ -40±1°F; Bend 180° over 3mm Ø rod; Examine under 5x magnification;	-40	ASTM D 2136
Ozone Resistance [Pass/Fail] Static Strain 50% elongation; Test: P(O3)=100mPa @ 104°F; Exposure for 166h; Inspect @ 7x;	Pass	ASTM D 1149 Method B
Water Absorption (mass %) 1"x 2" specimens; Test Liquid = water; Exposure for 166h @ 158°F;	Ave. = 1.4 Std. Dev. = 0.0	ASTM D 471
Water Vapor Permeance, (Perms) Desiccant Method; Test @ 73.4±3.6°F & 50±5%RH;	Ave. = 0.04 Std. Dev. = 0.01	ASTM E 96 Proc. A
Hydrostatic Pressure Resistance, (ft of water) Mullen-Type Hydrostatic Tester; Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 982 Std. Dev. = 0	ASTM D 751 Proc. A, Proc. 1
Seam Strength, (psi) 1" x 12" across factory seam; Cond.: 24h @ 73±4°F & 50±2%RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 2 in./min;	Ave. = 691 Std. Dev. = 17	ASTM D 816 Method B
Solar Reflectance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.05 Std. Dev. = 0.00	ASTM C 1549
Thermal Emittance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.90 Std. Dev. = 0.00	ASTM C 1371
Solar Reflectance Index (SRI)	Low Wind = -1 Med Wind = 0 High Wind = 1	ASTM E 1980-11

Table 2: Typical Physical Properties of RoofJoint NP White

Properties	*Result (Average)*	*Test Method*
Tensile Strength, (psi) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 2,100 / Std. Dev. 70	ASTM D 412
Elongation, Ultimate (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 420 / Std. Dev. 20	ASTM D 412
Tensile Set, (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min; 50% Elongation;	MD = 1.4 / Std. Dev. 0.3	ASTM D 412
Dynamic Puncture Resistance, (J) 9.8" x 9.8" specimens; Cond.: 8h @ 73±2°F; Load @ 73±2°F over Type IX EPS;	27.5	ASTM D 5635
Static Puncture Resistance, (lbf) 7.9" x 7.9" specimens; Cond.: 8h @ 73±2°F; Load for 24±0.25h @ 73±2°F; Type IX EPS;	53	ASTM D 5602
Tear Resistance, (lbf/in.) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 302 (Median) Std. Dev. 8 CMD = 279 (Median) Std. Dev. 3	ASTM D 624
Low Temperature Bend, (Pass/Fail) 1" x 4" MD Specimens; Cond. 4h & Test @ -40±1°F; Bend 180° over 3mm Ø rod; Examine under 5x magnification;	-40	ASTM D 2136
Ozone Resistance [Pass/Fail] Static Strain 50% elongation; Test: P(O3)=100mPa @ 104°F; Exposure for 166h; Inspect @ 7x;	Pass	ASTM D 1149 Method B
Water Absorption (mass %) 1"x 2" specimens; Test Liquid = water; Exposure for 166h @ 158°F;	Ave. = 3.4 Std. Dev. = 0.0	ASTM D 471
Water Vapor Permeance, (Perms) Desiccant Method; Test @ 73.4±3.6°F & 50±5%RH;	Ave. = 0.03 Std. Dev. = 0.01	ASTM E 96 Proc. A
Hydrostatic Pressure Resistance, (ft of water) Mullen-Type Hydrostatic Tester; Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 827 Std. Dev. = 27	ASTM D 751 Proc. A, Proc. 1
Seam Strength, (psi) 1" x 12" across factory seam; Cond.: 24h @ 73±4°F & 50±2%RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 2 in./min;	Ave. = 648 Std. Dev. = 66	ASTM D 816 Method B
Solar Reflectance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.77 Std. Dev. = 0.01	ASTM D 1549
Thermal Emittance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.90 Std. Dev. = 0.01	ASTM C 1371
Solar Reflectance Index (SRI)	Low Wind = 95 Med Wind = 95 High Wind = 96	ASTM D 471

Test Results

Table 3: Typical Physical Properties of RoofJoint TP White

Properties	Result (Average)	Test Method
Tensile Strength, (psi) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 960 / Std. Dev. 40	ASTM D 412
Elongation, Ultimate (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 600 / Std. Dev. 40	ASTM D 412
Tensile Set, (%) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min; 50% Elongation;	MD = 2.4 / Std. Dev. 0.3	ASTM D 412
Dynamic Puncture Resistance, (J) 9.8" x 9.8" specimens; Cond.: 8h @ 73±2°F; Load @ 73±2°F over Type IX EPS;	27.5	ASTM D 5635
Static Puncture Resistance, (lbf) 7.9" x 7.9" specimens; Cond.: 8h @ 73±2°F; Load for 24±0.25h @ 73±2°F; Type IX EPS;	53	ASTM D 5602
Tear Resistance, (lbf/in.) Die C specimens; Cond.: Min. 3h @ 73.4±4°F & 50±2% RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 20 in./min;	MD = 167 (Median) Std. Dev. 5 CMD = 160 (Median) Std. Dev. 4	ASTM D 624
Low Temperature Bend, (Pass/Fail) 1" x 4" MD Specimens; Cond. 4h & Test @ -40±1°F; Bend 180° over 3mm Ø rod; Examine under 5x magnification;	-40	ASTM D 2136

(Cont.) Table 3: Typical Physical Properties of RoofJoint TP White

Properties	Result (Average)	Test Method
Ozone Resistance [Pass/Fail] Static Strain 50% elongation; Test: P(O3)=100mPa @ 104°F; Exposure for 166h; Inspect @ 7x;	Pass	ASTM D 1149 Method B
Water Absorption (mass %) 1"x 2" specimens; Test Liquid = water; Exposure for 166h @ 158°F;	Ave. = 1.2 Std. Dev. = 0.1	ASTM D 471
Water Vapor Permeance, (Perms) Desiccant Method; Test @ 73.4±3.6°F & 50±5%RH;	Ave. = 0.01 Std. Dev. = 0.01	ASTM E 96 Proc. A
Hydrostatic Pressure Resistance, (ft of water) Mullen-Type Hydrostatic Tester; Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 308 Std. Dev. = 30	ASTM D 751 Proc. A, Proc. 1
Seam Strength, (psi) 1" x 12" across factory seam; Cond.: 24h @ 73±4°F & 50±2%RH; Test: 73.4±3.6°F & 50±2% RH; Rate = 2 in./min;	Ave. = 234 Std. Dev. = 12	ASTM D 816 Method B
Solar Reflectance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.79 Std. Dev. = 0.00	ASTM D 1549
Thermal Emittance, [Reading] Test Condition 73.4±3.6°F & 50±5%RH;	Ave. = 0.89 Std. Dev. = 0.0	ASTM C 1371
Solar Reflectance Index (SRI)	Low Wind = 98 Med Wind = 98 High Wind = 99	ASTM D 471

CAD & Guide Specs

Guide specifications and CAD details are available online at emseal.com or by contacting Sika Emseal.

Warranty

Standard or project-specific warranties are available from Sika Emseal on request.

Availability & Price

RoofJoint is available for shipment domestically and internationally. Prices are available from local representatives and/or directly from the manufacturer. Sika Emseal reserves the right to modify or withdraw any product without prior notice.

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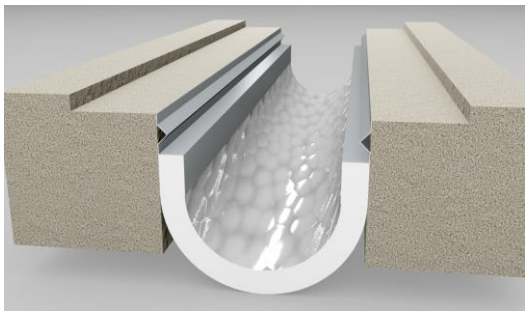
www.usa.sika.com

Product Data Sheet
Sika Emseal RoofJoint
May 2025 Version SE-2.2

Wabo®FireFlex

Seismic Fire Barrier Systems for Expansion Joints

Features	Benefits
• Excellent movement capability	Cycle tested to exceed ASTM E-1399. Rated for both Class II and III movement classifications under UL-2079.
• 100% movement	Exceeds movement capability of similar systems and fire stop assemblies
• Ease of installation	No caulks or sealants required
• Up to 2 hour ratings	Listed by Underwriters Laboratories (U.L.)



DESCRIPTION:

Wabo®FireFlex is tested, witnessed, and approved to accommodate multi-directional large movement. Wabo®FireFlex incorporates high temperature fire resistive blankets, stainless steel foil, cycling shields, and galvanized edge retainers. Wabo®FireFlex is cycle tested to exceed ASTM E-1399 and is listed with Underwriters Laboratories for both Class II and III movement classifications.

RECOMMENDED FOR:

- For standard and large joint openings 2-inches (50mm) to 20-inches (500mm). Consult Sika Emseal for wider joint options.
- Applications that must meet the requirements of ASTM E-119, NFPA-251 UBC 7-1, UL-2079 for fire endurance and UL-2079 Class II and III, ASTM E-1399 and ICBO ES AC30 for cycle testing.
- Applications with standard expansion and contraction movement. Consult Sika Emseal for specific movement requirements.

PACKAGING/COVERAGE:

2” thru 6”

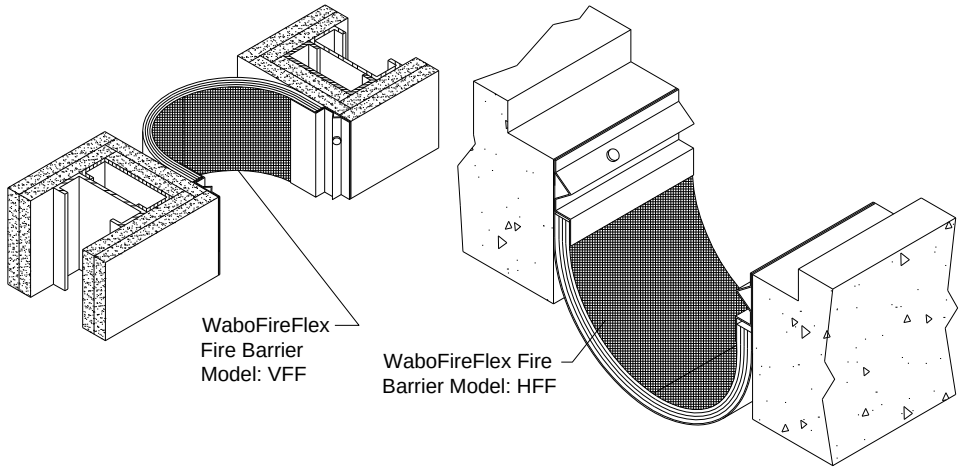
- Metal retainers shipped in 10ft lengths
- Fire blanket shipped in 25 ft coiled rolls

8” thru 20”

- Metal retainers attached to fire blanket.
- Shipped in 10ft lengths.
- Accessories packaged in manufacturers standard labeled carton.

Glazing Report & Scope of Work

TECHNICAL DATA:



PHYSICAL PROPERTIES:

Floors 1”-2” and Walls 1”-4”

PHYSICAL PROPERTIES	REQUIREMENTS
Density	8-13 pcf
Melting Point	2000ºF
Service Limit	1850ºF (as determined by testing to UL-2079
Tensile Strength	40-75 psi

Floors 3”-20” and Walls 5”-20”

PHYSICAL PROPERTIES	REQUIREMENTS
Density	7-9 pcf
Melting Point	3200ºF
Service Limit	2300ºF
Flame Spread (ASTM E-84)	0
Smoke Developed (ASTM E-84)	0

APPLICATION:

INSTALLATION SUMMARY:

- Floor and wall construction and materials must be rated and designed to allow for proper installation of the fire barrier system.
- Inspect and verify all substrates to be solid and sound prior to start of work. Remove any loose materials and fix any areas in need of repair.
- Unpack individual rolls or lengths of fire barrier system. Assemble the specified number of layers, if required. Consult the installation procedure for details.
- Install the fire barrier system per installation procedure. Insure that the system is not damaged during installation.
- Field cut the fire barrier system to exact lengths and change in direction. Consult the installation procedure for butt splices or changes in direction.
- Fire barrier assembly shall be installed in the correct width of opening as called for in the contract plans. Variations in width shall be brought to the attention of the architect and product manufacturer prior to the installation of any material.
- Installation procedure can be downloaded from the Emseal website at www.emseal.com or can be requested directly from Sika Emseal.

RELATED DOCUMENTS:

- Material Safety Data Sheets
- Wabo®FireFlex Specification
- Wabo®FireFlex Installation Procedure
- Wabo®FireFlex Sales Drawings

FOR BEST RESULTS:

- Thickness of substrates must properly accommodate size of expansion joint system plus the fire barrier system being utilized. Contact Emseal for assistance in evaluating specific project needs.
- Construct openings consistent in width and straight along joint length.
- Construct openings free and clear of obstructions. Remove or relocate all conduits and other obstructions located inside opening that will affect proper installation of fire barrier system.
- Protect all fire barrier components from damage during storage, installation and post installation activities including placement of expansion control system.
- Do not use for applications exposed to weather or heavy moisture conditions without installation of a watertight expansion joint system.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F and 90˚F.
- Periodically inspect the applied material and repair localized areas as needed. Consult an Emseal representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website www.emseal.com or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Sika Emseal personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

LIMITED WARRANTY:

Emseal Joint Systems. Ltd. warrants that this product conforms to its current applicable specifications. SIKA EMSEAL MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Emseal. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL SIKA EMSEAL BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Sika Emseal representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

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www.emseal.com

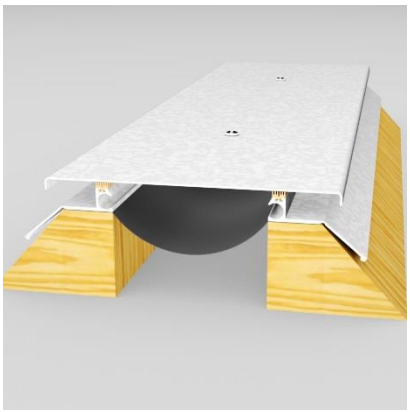
Rev. 1.2 04-15-2025

BUILDING TRUST

Wabo®RoofCover (RFC)

Roof Expansion Joint

Features	Benefits
• Versatile movement	Accommodates multi-directional seismic and thermal movement
• Rugged and durable	Eliminates concerns of falling ice, snow maintenance, ozone, and ultra-violet rays.
• Universal components	Offers solutions for a variety of conditions.



DESCRIPTION:

Wabo®RoofCover is engineered for roofs with expansion joints subject to multi-directional thermal and seismic movement. The heavy-duty metal cover provides durability in accommodating ice, snowloads and occasional maintenance foot traffic while providing maximum resistance to UV rays and moisture infiltration. Internally, Wabo®RoofCover utilizes integral weather seals and a primary moisture barrier to prevent the elements of weather from penetrating the building opening.

RECOMMENDED FOR:

- Seismic expansion joint systems for projects in:
  - Health-care
  - Transportation
  - Recreation
  - Retail
  - Commercial
  - Educational
  - Other
- Exterior, horizontal expansion control systems on sloped or flat roof structures with cant strips.

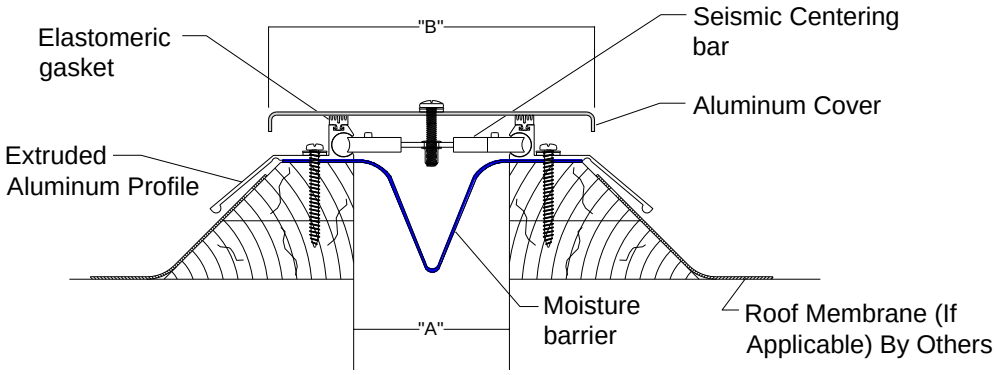
PACKAGING/COVERAGE:

- Metal profiles shipped in standard 10 foot lengths with a mill finish.
- Accessories packaged in manufacturer's standard labeled carton.

TECHNICAL DATA:

Design Information:

Wabo®RoofCover (RFC) can be utilized to accommodate expansion joints in roof applications that have a roofing membrane and tapered cant strips.



Model RFC

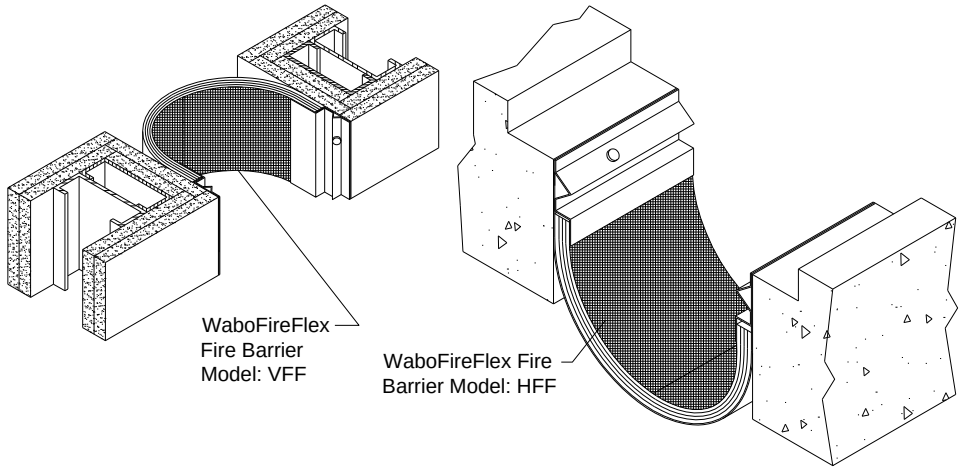
Note: see product sales drawings for additional details

Movement Table

MODEL NUMBER	JT. OPENING "A"		SYSTEM WIDTH "B"		TOTAL MOVEMENT	
	inches	mm	inches	mm	inches	mm
RFC-200	2.0	51	6.38	162	3.00	76
RFC-400	4.0	102	8.38	213	6.00	152
RFC-600	6.0	152	11.38	289	9.00	229
RFC-800	8.0	203	14.38	365	12.00	305
RFC-1000	10.0	254	17.00	432	15.00	381
RFC-1200	12.0	305	19.75	502	18.00	457
RFC-1800	18.0	457	28.75	730	27.00	686
RFC-2400	24.0	610	37.75	959	36.00	914
RFC-200C	2.0	51	3.75	95	3.00	76
RFC-400C	4.0	102	6.75	171	6.00	152
RFC-600C	6.0	152	9.75	248	9.00	229
RFC-800C	8.0	203	12.75	324	12.00	305
RFC-1000C	10.0	254	15.88	403	9.75	248
RFC-1200C	12.0	305	18.88	479	11.75	299
RFC-1800C	18.0	457	27.88	708	17.75	451
RFC-2400C	24.0	610	36.88	937	23.75	603

Note: see product sales drawings for additional details

TECHNICAL DATA:



PHYSICAL PROPERTIES:

Floors 1”-2” and Walls 1”-4”

PHYSICAL PROPERTIES	REQUIREMENTS
Density	8-13 pcf
Melting Point	2000ºF
Service Limit	1850ºF (as determined by testing to UL-2079
Tensile Strength	40-75 psi

Floors 3”-20” and Walls 5”-20”

PHYSICAL PROPERTIES	REQUIREMENTS
Density	7-9 pcf
Melting Point	3200ºF
Service Limit	2300ºF
Flame Spread (ASTM E-84)	0
Smoke Developed (ASTM E-84)	0

APPLICATION:

INSTALLATION SUMMARY:

- Floor and wall construction and materials must be rated and designed to allow for proper installation of the fire barrier system.
- Inspect and verify all substrates to be solid and sound prior to start of work. Remove any loose materials and fix any areas in need of repair.
- Unpack individual rolls or lengths of fire barrier system. Assemble the specified number of layers, if required. Consult the installation procedure for details.
- Install the fire barrier system per installation procedure. Insure that the system is not damaged during installation.
- Field cut the fire barrier system to exact lengths and change in direction. Consult the installation procedure for butt splices or changes in direction.
- Fire barrier assembly shall be installed in the correct width of opening as called for in the contract plans. Variations in width shall be brought to the attention of the architect and product manufacturer prior to the installation of any material.
- Installation procedure can be downloaded from the Emseal website at www.emseal.com or can be requested directly from Sika Emseal.

RELATED DOCUMENTS:

- Material Safety Data Sheets
- Wabo®FireFlex Specification
- Wabo®FireFlex Installation Procedure
- Wabo®FireFlex Sales Drawings

FOR BEST RESULTS:

- Thickness of substrates must properly accommodate size of expansion joint system plus the fire barrier system being utilized. Contact Emseal for assistance in evaluating specific project needs.
- Construct openings consistent in width and straight along joint length.
- Construct openings free and clear of obstructions. Remove or relocate all conduits and other obstructions located inside opening that will affect proper installation of fire barrier system.
- Protect all fire barrier components from damage during storage, installation and post installation activities including placement of expansion control system.
- Do not use for applications exposed to weather or heavy moisture conditions without installation of a watertight expansion joint system.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F and 90˚F.
- Periodically inspect the applied material and repair localized areas as needed. Consult an Emseal representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website www.emseal.com or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Sika Emseal personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

LIMITED WARRANTY:

Emseal Joint Systems. Ltd. warrants that this product conforms to its current applicable specifications. SIKA EMSEAL MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Emseal. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL SIKA EMSEAL BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Sika Emseal representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

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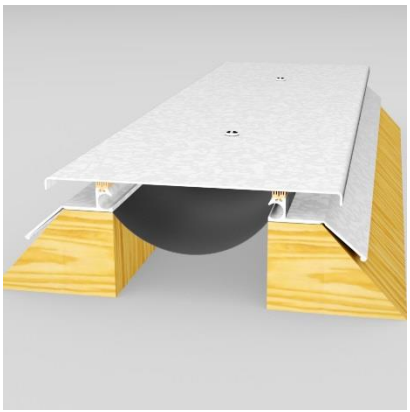
Rev. 1.2 04-15-2025

BUILDING TRUST

Wabo®RoofCover (RFC)

Roof Expansion Joint

Features	Benefits
• Versatile movement	Accommodates multi-directional seismic and thermal movement
• Rugged and durable	Eliminates concerns of falling ice, snow maintenance, ozone, and ultra-violet rays.
• Universal components	Offers solutions for a variety of conditions.



DESCRIPTION:

Wabo®RoofCover is engineered for roofs with expansion joints subject to multi-directional thermal and seismic movement. The heavy-duty metal cover provides durability in accommodating ice, snowloads and occasional maintenance foot traffic while providing maximum resistance to UV rays and moisture infiltration. Internally, Wabo®RoofCover utilizes integral weather seals and a primary moisture barrier to prevent the elements of weather from penetrating the building opening.

RECOMMENDED FOR:

- Seismic expansion joint systems for projects in:
  - Health-care
  - Transportation
  - Recreation
  - Retail
  - Commercial
  - Educational
  - Other
- Exterior, horizontal expansion control systems on sloped or flat roof structures with cant strips.

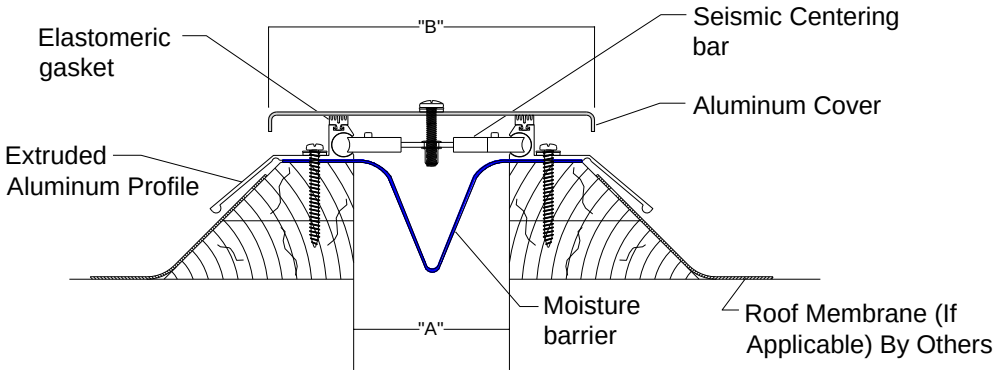
PACKAGING/COVERAGE:

- Metal profiles shipped in standard 10 foot lengths with a mill finish.
- Accessories packaged in manufacturer's standard labeled carton.

TECHNICAL DATA:

Design Information:

Wabo®RoofCover (RFC) can be utilized to accommodate expansion joints in roof applications that have a roofing membrane and tapered cant strips.



Model RFC

Note: see product sales drawings for additional details

Movement Table

MODEL NUMBER	JT. OPENING "A"		SYSTEM WIDTH "B"		TOTAL MOVEMENT	
	inches	mm	inches	mm	inches	mm
RFC-200	2.0	51	6.38	162	3.00	76
RFC-400	4.0	102	8.38	213	6.00	152
RFC-600	6.0	152	11.38	289	9.00	229
RFC-800	8.0	203	14.38	365	12.00	305
RFC-1000	10.0	254	17.00	432	15.00	381
RFC-1200	12.0	305	19.75	502	18.00	457
RFC-1800	18.0	457	28.75	730	27.00	686
RFC-2400	24.0	610	37.75	959	36.00	914
RFC-200C	2.0	51	3.75	95	3.00	76
RFC-400C	4.0	102	6.75	171	6.00	152
RFC-600C	6.0	152	9.75	248	9.00	229
RFC-800C	8.0	203	12.75	324	12.00	305
RFC-1000C	10.0	254	15.88	403	9.75	248
RFC-1200C	12.0	305	18.88	479	11.75	299
RFC-1800C	18.0	457	27.88	708	17.75	451
RFC-2400C	24.0	610	36.88	937	23.75	603

Note: see product sales drawings for additional details

PHYSICAL PROPERTIES:

Aluminum Base Member: ASTM B221, Alloy 6061-T6 or 6063-T-5.
Aluminum Shapes: ASTM B209, alloy 5005-H34.
Cover Plate: ASTM B209, alloy 5005-H34. Material thickness shall typically be .080 inch.
Self-Centering Bar: Molded or manufactured incorporating corrosion resistant nylon components.
Moisture Barrier: Fabric reinforced tear resistant clear vinyl. Minimum thickness shall be .026".
Cover Plate Gasket: EPDM exhibiting a shore "A" hardness of 65 +/-5.

APPLICATION:

INSTALLATION SUMMARY:

- Protect all expansion joint components from damage during installation and protect finished installation from damage from other trades during all work activities.
- Expansion joint systems shall be installed in accordance with manufacturer's typical details and installation procedures.
- Construction and materials shall be designed to allow for proper installation of system and its components.
- Construct joint openings consistent in width and straight along joint length. Inspect and verify all substrates to be solid and sound prior to work.
- Construct all adjacent floors to be horizontally flat along length and flush across both sides of the opening. Inspect and verify all substrates to be solid and sound prior to work.
- Install appropriate fire barrier system, if required by building code and rated construction. Contact Emseal for recommendations on appropriate fire barrier system.
- Metal components shall be cut to length on job site where required. Components shall be miter cut in the field to conform to directional changes unless otherwise contracted with expansion joint manufacturer.
- All anchor holes shall be field drilled in accordance with manufacture's drawings.

FOR BEST RESULTS:

- Do not install if the joint's anticipated movement will exceed the system's movement range.
- Deliver product in each manufacturer's original, intact, labeled containers. Protect the work area with appropriate plastic sheeting.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F (10˚C) and 90˚F (32˚C). Store off the ground and protect from weather and construction activities.
- Periodically inspect the installed material and repair localized areas as needed. Inspect for loose components and/or hardware, repair as necessary. Consult a Emseal representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website (www.emseal.com) or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Emseal personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

RELATED DOCUMENTS:

- Material Safety Data Sheets
- Wabo®RoofCover Specification
- Wabo®RoofCover Sales Drawings
- Wabo®RoofCover Installation Procedure

LIMITED WARRANTY:

Emseal Joint Systems. Ltd. warrants that this product conforms to its current applicable specifications. SIKA EMSEAL MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Emseal. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL SIKA EMSEAL BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Sika Emseal representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

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Rev. 1.1 07-24-2024

BUILDING TRUST

Technical Data Sheet

DOWSIL™ 795 Silicone Building Sealant

Description

Neutral, one part silicone sealant

Sustainability Attribute:

Decarbia™
Advancing carbon neutrality with DOW

Uses / Applications

- Structural and nonstructural glazing
- Structural attachment of many panel systems
- Panel stiffener applications
- Weather sealing of most common construction materials including glass, aluminum, steel, painted metal, EIFS, granite and other stone, concrete, brick and plastics

Composition

- One–part, neutral cure, RTV silicone sealant

Benefits

- Suitable for most new construction and remedial sealing applications
- Versatile – high performance structural glazing and weather sealing from a single product
- Available in 15 standard colors; custom colors also available
- Excellent weatherability virtually unaffected by sunlight, rain, snow, ozone and temperature extremes of -40°F (-40°C) to 300°F (149°C)
- Excellent unprimed adhesion to a wide variety of construction materials and building components, including anodized, alodined, most coated and many Kynar painted aluminums
- Ease of application – ready to use as supplied
- Ease of use – all temperature gunnability, easy tooling and low-odor cure byproduct
- Meets global standards (Americas, Asia and Europe)

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test[1]	Property	Unit	Result
	As Supplied		
ASTM C 679	Tack Free Time, 50% RH	hours	3
	Curing Time at 25°C (77°F) and 50% RH	days	7–14
	Full Adhesion	days	14–21
ASTM C 639	Flow, Sag or Slump	inches (mm)	0.1 (2.54)
	Working Time	minutes	20–30

1. ASTM: American Society for Testing and Materials.

Form No. 61-885-01-0325 S2D

Typical Properties (Cont.)

Test	Property	Unit	Result
	VOC Content[2]	g/L	30
	As Cured After 21 Days at 25°C (77°F) and 50% RH		
ASTM D 2240	Durometer Hardness, Shore A	points	35
ASTM C 794	Peel Strength	lb/in (kg/cm)	32 (5.7)
ASTM C 1135	Tension Adhesion Strength		
	At 25% Extension	psi (MPa)	45 (0.310)
	At 50% Extension	psi (MPa)	60 (0.414)
ASTM C 719	Joint Movement Capability	percent	±50
ASTM C 1248	Staining (Granite, Marble, Limestone, Brick and Concrete)		None
	As Cured After 21 Days at 25°C (77°F) and 50% RH Followed by 10,000 Hours in a QUV Weatherometer, ASTM G 53		
ASTM C 1135	Tension Adhesion Strength		
	At 25% Extension	psi (MPa)	35 (0.241)
	At 50% Extension	psi (MPa)	50 (0.345)

2. Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds.

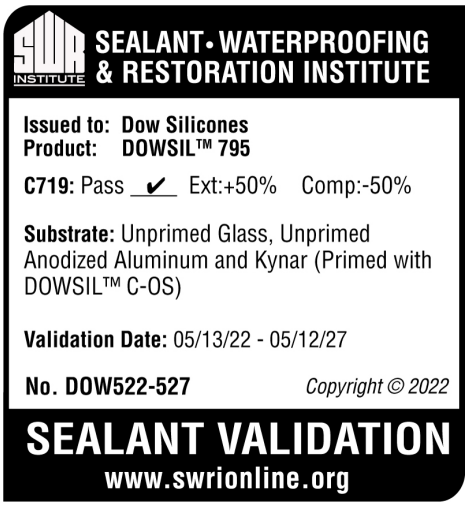
Description

DOWSIL™ 795 Silicone Building Sealant is a one-part, neutral-cure, architectural-grade sealant that easily extrudes in any weather and cures quickly at room temperature. This cold-applied, non-sagging silicone material cures to a medium modulus silicone rubber upon exposure to atmospheric moisture. The cured sealant is durable and flexible enough to accommodate ± 50 percent movement of original joint dimension when installed in a properly designed weather seal joint. In a properly designed structurally glazed joint, the sealant is strong enough to support glass and other panel materials under high wind load.

Approvals/ Specifications

DOWSIL™ 795 Silicone Building Sealant meets the requirements of:

- Federal Specification TT-S 001 543A (COM-NBS) Class A for silicone building sealants
- Federal Specification TT-S-00230C (COM-NBS) Class A for one-part building sealants
- ASTM Specification C 920 Type S, Grade NS, Class 50, Use NT, G, A and O
- ASTM Specification C 1184 for structural silicone sealants
- Canadian Specification CAN2-19.13- M82



Colors

DOWSIL™ 795 Silicone Building Sealant is available in 15 colors: white, limestone, champagne, natural stone, gray, black, bronze, sandstone, adobe tan, dusty rose, rustic brick, blue spruce, anodized aluminum, charcoal, and ivy green. Custom colors may be ordered to match virtually any substrate.

How to Use

Please consult the *Dow Americas Technical Manual*, Form No. 62-1112, for detailed information on state-of-the-art application methods and joint design.

Preparation
Clean all joints, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants or glazing compounds and protective coatings.

Application Method
Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended. Apply DOWSIL™ 795 Silicone Building Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms (typically within 15 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at or below 27°C (80°F), DOWSIL™ 795 Silicone Building Sealant has a shelf life of 12 months from the date of manufacture. Refer to product packaging for “Use By Date.”

Packaging Information

DOWSIL™ 795 Silicone Building Sealant is supplied in 10.3 fl oz. (305 mL) disposable plastic cartridges that fit ordinary caulking guns, 20 fl oz. (590 mL) sausages and 2 and 4.5 gal (7.5 and 17 L) bulk containers.

Limitations

DOWSIL™ 795 Silicone Building Sealant should not be used:

- In structural applications without prior review and approval by your local sales application engineer
- In below grade applications
- When surface temperatures exceed 50°C (122°F) during installation
- On surfaces that are continuously immersed in water
- On building materials that bleed oils, plasticizers or solvents that may affect adhesion
- On frost laden or wet surfaces
- In totally confined joints (the sealant requires atmospheric moisture for cure)
- If the sealant is intended to be painted (paints do not typically adhere to most silicone sealants)
- To surfaces in direct contact with food or other food-grade applications

Limitations (Cont.)

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

Form No. 61-885-01-0325 S2D