

November 12, 2026 – Building Enclosure Education Event



The IIBEC Mid-Atlantic Chapter educational seminar scheduled for **Thursday, November 12, 2026**, is quickly approaching. This seminar will be held at the office of Structural Technologies at 10150 Old Columbia Road, Columbia, MD 21046. We look forward to connecting and learning with you at this engaging and informative event! Course information is provided below.

1. Perfecting the Imperfect: Design Considerations for Detailing Unique Existing Building Enclosure Conditions

Presenter: Ben Johnson, CxA+BE – Building Envelope Consultant (Walker Consultants)

Abstract: A/E/C professionals often encounter unique existing conditions that lack or have poor continuity between building enclosure systems. These conditions may include intersecting components between parapets, planters, exterior walls, and canopies. Improper detailing of these existing conditions can lead to damage of interior finishes or discomfort for building occupants. Repairs to address such conditions can also be costly and time-consuming for building owners and property managers. In an industry where many details are conveyed in two dimensions, these unique conditions require visualization, out-of-the box thinking in three dimensions, and collaboration between designers and contractors to determine appropriate repairs to maintain continuity between various intersecting components. In this presentation, we will discuss strategies and considerations for designing details of unique existing building enclosure conditions.

Learning Objectives for this course include:

- Understanding variables in designing details for unique existing building enclosure conditions.
- Identifying appropriate materials for use in designing details for unique enclosure conditions.
- Demonstrating approaches to reduce risk of water and air infiltration at unique enclosure conditions.
- Applying Building Code provisions in designing details for unique enclosure conditions.

About the Presenter: Ben Johnson has over nine years of experience working as a building enclosure consultant in the Mid-Atlantic Region. His portfolio includes field investigation, rehabilitation design, new design consultation, and construction phase consultation of various building enclosure systems for owners, architects, and general contractors.

2. Performance Mock-Ups: Incorporating Off-Site Lessons Learned into Project Construction

Presenter: Gaby S. Simundson, Project Consultant II, (Simpson Gumpertz & Heger Inc. -SGH)

Abstract: Performance Mock-Ups (PMUs) provide a rare opportunity for a project team to review a unique or complex design condition prior to wholesale project construction. Despite their importance, there is no standard method to specify the size, scope, and test procedures for a PMU. PMUs can be a large line-item cost that are often subject to project cost reduction exercises, especially when project stakeholders doubt their importance to the construction process. However, when carefully considered from design through to testing and construction, PMUs provide an invaluable opportunity to coordinate between all relevant project subcontractors and gain confidence in the performance of the enclosure assembly. This course will provide key considerations for all parts of the PMU lifecycle, from design to PMU construction and testing, to project construction and field validation

testing. The course will highlight lessons learned from the presenter's experience on complex PMUs to help identify avoidable pitfalls.

Learning Objectives for this course include:

- Specifying PMU testing procedures and detailing PMU extents in the Contract Documents, with a focus on unique or complex project-specific conditions.
- Coordinating a PMU construction and testing plan with all relevant project team members to ensure buy-in from the owner, general contractor, manufacturer's representatives, and project subcontractors.
- Identifying common test procedures, pass/fail criteria, and how to address testing failures.
- Incorporating PMU lessons learned and construction changes into the submittal and shop drawing process, project construction, and field validation testing.

About the Presenter: Gaby Simundson is a building enclosure consultant with more than ten years of project experience in the design, investigation, and repair of building enclosure systems and historic structures in the Washington, DC area. Her work includes building enclosure rehabilitation, new design consulting, construction administration and field investigations. She is experienced in managing large-scale and small-scale projects that require nuanced solutions to challenging problems.

3. Shield & Structure: Fortifying Exterior Wall Cladding Support Design

Presenter: Travis Cacciatori, CDT, LEED AP, Director of Sales, Engineering & Marketing (Knight Wall Systems)

Abstract: This course explores contemporary advancements in rainscreen exterior wall systems as outlined in the 2024 International Building Code (IBC). Participants will gain a deeper understanding of the role that exterior wall cladding support systems play in these assemblies, along with key design considerations such as thermal derating, rail orientation, and single versus double-layer configurations. Attendees will be led through evaluations on how design choices affect the structural integrity and other aspects of performance for cladding support systems. Whether an architect, engineer, or construction professional, participants will gain the knowledge to make informed decisions that enhance durability, efficiency, and compliance with modern building standards.

Learning Objectives for this course include:

- Analyzing recent updates in the model building code (2024 IBC) related to rainscreen exterior wall systems and their implications.
- Examining the function and importance of exterior wall cladding support systems within rainscreen assemblies.
- Developing strategies for designing effective cladding support systems, considering factors such as thermal performance, rail orientation, and single versus double-layer configurations.
- Evaluating how various design choices impact the structural integrity and overall performance of cladding support systems.

About the Presenter: Brian Nelson is the Director of Sales, Engineering & Marketing at Knight Wall Systems. Knight Wall Systems facilitators have been trained on AIA Continuing Education Services (CES) guidelines and presentation skills and have many years of experience within the construction industry as independent product representatives and/or contractors.

4. Building Enclosure Repair/Restoration Construction: Leveraging Collaborative Partnerships Between Construction and Design Professionals

Presenters: Jeff Diguette, P.E., Vice President, Principal Engineer (Tekton Building Solutions Group)

Chris Dowling, P.E. Enclosure Executive (Tekton Building Solutions Group)

Abstract: This course is designed to provide participants with a construction professional's perspective and insight related to building enclosure repair and restoration projects. These projects, which often incorporate a diagnostic phase (and/or follow-up validation testing), may include waterproofing/coating installation, weather barrier installation, masonry, joint sealant work, concrete work, and other trade disciplines. Such projects can benefit from collaborative relationships, root-cause problem-solving approaches, and technical skill sets brought to the table by a project's collective of design and construction professionals. They can also benefit from an empathetic "put yourself in other's shoes" approach from various project stakeholders, for example design professionals understanding constructability, sequencing, logistics, and other construction realities while developing repair/restoration designs. The presenters will share real-world project examples and highlights from their experiences, spanning various project types, where consultants, design professionals, material representatives, and general/trade construction partners together leveraged their input toward successful outcomes.

Learning Objectives for this course include:

- Develop strategies for building productive relationships with construction professionals in the arena of complex projects.
- Recognize how building enclosure repair/restoration construction professionals evaluate and solve unique challenges alongside design teams.
- Understand key day-to-day considerations and decision-making processes undertaken by building enclosure repair/restoration construction firms.
- Understand key aspects of construction considerations (e.g., constructability, sequencing, scheduling logistics) that can help sharpen the efficacy of the design professional's work.

About the Presenters: Jeff Diguette is a licensed professional engineer with 15 years of experience in construction and structural engineering. Jeff's blend of technical expertise, practical knowledge, and collaborative approach is conducive to relationship-building and positive client experiences and project outcomes. Chris Dowling is a licensed professional engineer with extensive experience in the new design and restoration of building enclosures. For more than 10 years Chris has participated in complex projects with roles spanning from building enclosure consultant to building enclosure subject matter expert for construction firms.

Nov 12, 2026 - Event Schedule

8:30 -- 10:00 Presentation 1
10:00 -- 10:15 Break
10:15 -- 11:45 Presentation 2
12:00 -- 12:30 Lunch Break
12:30 -- 2:00 Presentation 3
2:00 -- 2:15 Break
2:15 -- 3:45 Presentation 4



Attendance at all four presentations is worth a total of six (6) IIBEC Continuing Education Hours

Registration and payment with PayPal is preferred.

To pay using PayPal or credit card, please visit <https://mid-atlantic.iibec.org/> and click on *Calendar*. (PayPal account not required)

Please note: If you are registering for someone else, please provide the name(s) of registered attendee(s) by clicking on "Note to Seller" within PayPal registration page.

REGISTRATION FORM

NAME: _____ COMPANY NAME: _____

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IIBEC/RCI Member? ☐ Yes ☐ No ☐ if yes ☐

If you will need an IIBEC CEH Certificate, print name here: _____

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Please email a completed registration form to jnkarras@sgh.com to ensure that you receive an IIBEC CEH Certificate at the end of the Seminar.

If paying by check, mail this completed form with payment to:

Tom Friel
IIBEC Mid-Atlantic Chapter Interim Treasurer
c/o Structural Preservation Systems, LLC (STRUCTURAL)
10150 Old Columbia Road, Suite A, Columbia, MD 21046

*If paying by check, please make payable to: **IIBEC Mid Atlantic Chapter***

Cancellation Policy: Cancellations will not be refunded.

For specific questions or additional educational program information, please contact:

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Chapter President, Anthony Dukes at adukes@wje.com