

THE GUIDE

AN OVERVIEW OF IIBEC SERVICES

2024-2025



INTERNATIONAL INSTITUTE OF
BUILDING ENCLOSURE CONSULTANTS

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ABOUT IIBEC

The International Institute of Building Enclosure Consultants (IIBEC, pronounced *eye-bec*) is an international association of design professionals who specialize in building enclosure consulting. From sprayed polyurethane foam to cedar shingles, from parking garages to air barriers, IIBEC has a member expert for every type of roof, exterior wall, or waterproofing issue in the world today. Founded in 1983 as the Roof Consultants Institute, it later became RCI Inc., and then in 2019, rebranded as the International Institute of Building Enclosure Consultants as its purpose evolved and its membership expanded their services.

Since 1983, IIBEC's Consultant members have offered unbiased design, repair planning, quality assurance observance, legal testimony, and other building enclosure management services. IIBEC's Consultant members adhere to a strict code of ethics that offers unprejudiced service without affiliation with any product or manufacturer. Current membership is over 3,700. IIBEC boasts an international membership residing across the United States, Canada, Mexico, South America, the Middle East, Europe, and Asia.

The association presents educational programs designed to explain the practical application of roofing, exterior wall, and waterproofing technologies, as well as building enclosure commissioning. A technical journal and ongoing chapter and branch events provide interactive forums for information exchange and networking.

IIBEC credentials represent the pinnacle of building enclosure consulting. The Registered Roof Consultant (RRC®), Registered Waterproofing Consultant (RWC®), Registered Exterior Wall Consultant (REWC®), Registered Roof Observer (RRO®), Registered Exterior Wall Observer (REWO®), and Certified Building Enclosure Commissioning Provider (CBECxP®) programs distinguish professionals with proven standards of education, experience, and ethics. Individuals with all three consultant designations (RRC®, RWC®, and REWC®) may apply to be a Registered Building Enclosure Consultant (RBEC®).

The RCI-IIBEC Foundation (US) and the RCI Foundation Canada are tax-exempt entities, organizationally independent of the association, that support research and educational efforts of the industry.

The mission of IIBEC is advanced through the efforts of a professional staff headquartered in Raleigh, North Carolina; a volunteer board of directors; numerous committees; and its individual members across the globe.

We invite you to use this guide to discover more about IIBEC and its members. Whether you are a current IIBEC member, a nonmember professional, or a building owner or manager seeking a qualified referral, these pages should answer many of your questions. For further information, visit our website at iibec.org or contact IIBEC headquarters at 919-859-0742 or 800-828-1902.



INTERNATIONAL INSTITUTE OF
BUILDING ENCLOSURE CONSULTANTS

THE MISSION OF IIBEC
IS TO ADVANCE THE
PROFESSION OF BUILDING
ENCLOSURE (ROOFING,
WATERPROOFING,
AND EXTERIOR WALL)
CONSULTING.

For more information
and up-to-date news,
please visit:

iibec.org

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The IIBEC logo, the name *IIBEC Interface*, and the titles "Registered Roof Consultant," "Registered Waterproofing Consultant," "Registered Exterior Wall Consultant," "Registered Roof Observer," "Registered Exterior Wall Observer," "Registered Building Enclosure Consultant," and "Certified Building Enclosure Commissioning Provider" (abbreviated RRC®, RWC®, REWC®, RRO®, REWO®, RBEC®, and CBECxP®, respectively) are the property of IIBEC and may not be used without permission.

STRATEGIC PLAN

STRATEGIC PLAN 2024 - 2026



CORE PURPOSE

To advance the profession of building enclosure consulting

VISION

IIBEC is universally recognized as the leading authority in building enclosure consulting

CORE VALUES

- Ethical, independent, objective, and unbiased practice
- Pursuit and exchange of knowledge
- Commitment to the profession and industry
- Sustainability of building enclosures

VALUE OF IIBEC

Be the premier technical, educational, and networking resource of the building enclosure profession.

OBJECTIVES:

- Increase brand awareness within the building enclosure profession and industry and the value of working with IIBEC members.
- Increase the value proposition of IIBEC for all members.
- Increase support for each of IIBEC's core competencies: roofing, exterior walls, waterproofing, and building enclosure commissioning.
- Increase understanding and knowledge of the building enclosure profession and industry.
- Increase emphasis of the IIBEC Code of Ethics.
- Improve chapter effectiveness and promotion of IIBEC and local activities.

Advocate for consultant members at all levels of government. | **ADVOCACY**

OBJECTIVES:

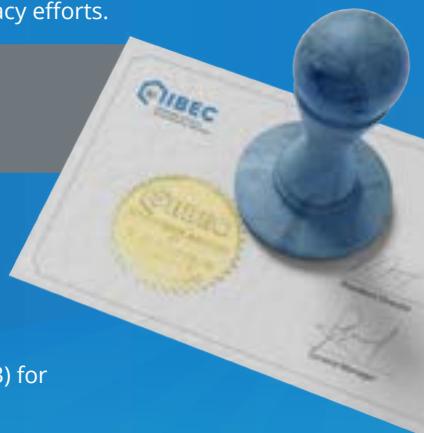
- Increase involvement in the development of codes and standards to promote requirements needed to ensure the safety, resilience and sustainability of building enclosure systems.
- Increase advocacy efforts to influence procurement issues to protect the integrity and transparency of taxpayer funded projects.
- Increase engagement with outside organizations to promote legislative efforts.
- Increase efforts to promote IIBEC member credentials and services to government entities.
- Increase resources, tools, and training to chapters to engage in local, state and provincial advocacy efforts.

CREDENTIALS

Lead the industry in building enclosure consulting credentials.

OBJECTIVES:

- Grow the return on investment for IIBEC credentials holders.
- Increase industry use of IIBEC credentialed individuals by owners.
- Increase the number of individuals who hold IIBEC credentials.
- Obtain accreditation through ANSI National Accreditation Board (ANAB) for IIBEC credentials.



Empower members to achieve and sustain business and professional success.

KNOWLEDGE TRANSFER

OBJECTIVES:

- Increase educational offerings in the following areas: sustainability, resiliency, technology, codes and standards, business and professional development, and hands-on applications.
- Ensure the diversity of the Core Competencies throughout the educational programing.
- Expand the database of technical resources to enhance member value.
- Develop ethics training for IIBEC members and credential holders.
- Expand and update IIBEC education tools and resources to promote effective chapter leadership.



iibec.org/strategic-plan

EXECUTIVE COMMITTEE

PRESIDENT

Robért J. Hinojosa, F-IIBEC, RBEC, RRO, PE, CDT



Hinojosa is the founder and chief executive officer of the firm RJH & Associates Inc., with six offices in the US and Canada, and is licensed in 40 states. He is a past Region II director, has sat on numerous committees, developed and taught many continuing education courses, has published articles in *IIBEC Interface*, is a past president of IIBEC, and is a fellow of IIBEC.

RJH & ASSOCIATES INC.

12590 Emerald Coast Pkwy., Unit B • Miramar Beach, FL 32550
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1ST VICE PRESIDENT

Chris Dawkins, PE



Dawkins is a principal consulting professional engineer and building enclosure consultant at Beech Consulting Inc./Engineered Solutions International LLC in Duluth, Georgia. He was a Georgia Chapter executive board member (secretary, treasurer, vice president, president, and past president) from 2014 until 2018, and then IIBEC's Region II director from 2019 to 2021.

BEECH CONSULTING INC.

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chris.dawkins@beechconsulting.com

2ND VICE PRESIDENT

Jennifer Hogan, REWC, RRO, CET, LEED AP, Certified Passive House Consultant



Hogan is the recipient of the IIBEC Emerging Professionals Award of Excellence and OBEC's Rising Star Award. She is passionate about building sciences, energy performance, and of course, baseball. She has been a building science consultant for over 17 years and uses her experience and knowledge to help clients achieve their energy and carbon goals as the leader of the Energy and Carbon Reduction team at Pretium.

PRETUM ENGINEERING INC.

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IMMEDIATE PAST PRESIDENT

Amy Peevey, REWC, RRO, PE, CDT



Peevey is the immediate past president of IIBEC. She is the managing director at Secretariat Advisors LLC, where she assists construction industry professionals with successful implementation of building enclosure projects. She holds a bachelor's degree in architectural engineering from the University of Texas at Austin.

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apeevey@secretariat-intl.com

SECRETARY/TREASURER

Burt Carver, RRC, RRO



Carver is the owner of Apex Building Sciences Inc., founded in 2008. He has been involved with the RRO Exam Subcommittee, the RRC Exam Subcommittee, the Chapter Development Committee, and the Advocacy Committee. He is the past president of the IIBEC Western Canada Chapter, and in 2018 he received the IIBEC Outstanding Volunteer Award. Also, in 2024 he was the recipient of the IIBEC President's Award.

APEX BUILDING SCIENCES INC.

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P: 604-575-8220
burt@apexbe.com

EXECUTIVE VICE PRESIDENT AND CEO

Brian T. Pallasch, CAE



Pallasch joined the IIBEC staff team as executive vice president and chief executive officer in June 2019 after 20 years with the American Society of Civil Engineers (ASCE), most recently as managing director of government relations and infrastructure initiatives.

IIBEC

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REGION DIRECTORS

REGION I

Julie Palmer



2023-2025

WISS, JANNEY, ELSTNER, ASSOCIATES INC.

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Palmer is a senior associate of Wiss, Janney, Elstner Associates Inc., a global firm of engineers, architects, and materials scientists committed to helping clients solve, repair, and avoid problems in the built world. She has 20 years of experience working on building enclosure restoration and rehabilitation projects, with a specific focus on roofing. Palmer has been active with the IIBEC Delaware Valley Chapter for many years and served on the chapter board for five years.

REGION II

Nicholas Tribble, RRO



2023-2025

SKA CONSULTING ENGINEERS INC.

7900 Triad Center Drive, Suite 200 • Greensboro, NC 27409
P: 336-339-3740
nbtribble@skaeng.com

Tribble is a client relationship manager at SKA Consulting Engineers Inc. He joined IIBEC in 2017 and is a Registered Roof Observer (RRO). He has served on the board of the IIBEC Carolinas Chapter since 2018 and is the immediate past president.

REGION III

Charles T. Sietmann, RRC, RRO, REWO, CCCA, CIT



2023-2025

BUILDING TECHNOLOGY CONSULTANTS INC.

1845 East Rand Rd., Suite L100 • Arlington Heights, IL 60004
P: 847-454-8800
csietmann@btc.expert

Sietmann is principal – Building Enclosures with Building Technology Consultants Inc. He has over 18 years' experience assisting in the evaluation, analysis, repair, and rehabilitation of existing building facades, windows, roofing, and waterproofing systems. He is a past president of the IIBEC Chicago Area Chapter, and previously served on the IIBEC Document Competition Subcommittee and the IIBEC Building Enclosure Symposia Committee.

REGION IV

Jon Cannon, RRC, REWC, RRO, REWO, CDT



2024-2026

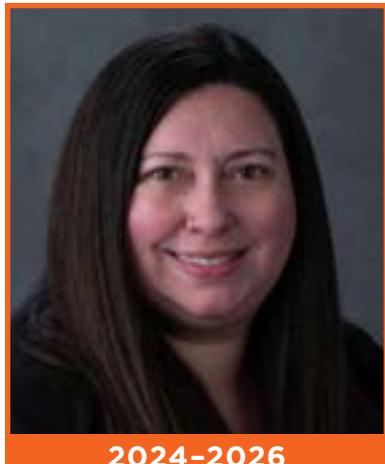
HOLLON+CANNON GROUP LLC

11800 Highland Oaks Trl • Austin, TX 78759-2407
P: 512-809-7650
jcannon@hollon-cannon.com

Cannon is a principal at Hollon+Cannon Group LLC, which he cofounded. He is a founding member of the IIBEC Central Texas Chapter, having served twice as chapter president. He has served three terms as chair of the IIBEC Chapter Development Committee and continues to be involved with the development and success of IIBEC affiliated chapters.

REGION V

Julie McDonald, REWC, RRC



2024-2026

MANTIS INNOVATIONS

1466 Nemrick Place • Castle Rock, CO 80109.
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juliemcdonald324@gmail.com

McDonald is the director of design for Mantis Innovations, headquartered in Greenwood Village, Colorado. She has been in the roof and building enclosure consulting industry for 15 years and commercial construction for 18 years. She has served on the executive committees of the IIBEC Mid-Atlantic Chapter and the IIBEC Colorado Chapter, and has been an active member of the IIBEC Emerging Professionals Committee. In 2019 she received the IIBEC Emerging Professionals Award of Excellence for her leadership within IIBEC.

REGION VI

Jon Solland, RRC, RRO



2024-2026

APEX BUILDING SCIENCES INC.

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burt@apexbe.com

Solland is a project engineer at RJC Engineers. He focuses on supporting large clients with prime consulting, effective envelope and structural design, and proactive asset management. He is an active leader in the industry, IIBEC Canadian Prairies Chapter, and ABEC.

REGION VII

Stephanie M. Robinson, BASc, PEng

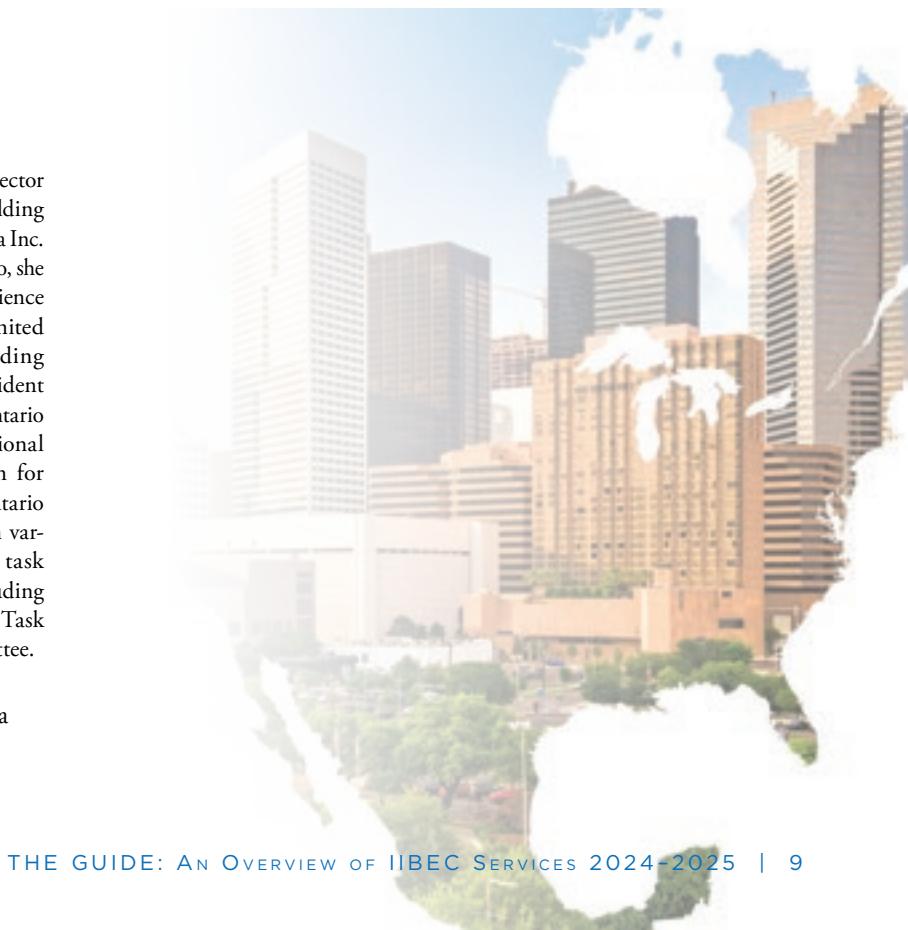


2023-2025

WSP

2611 Queensview Dr., Suite 300 • Ottawa, ON K2B 8K2 Canada
P: 613-829-2800
stephanie.robinson@wsp.com

Robinson is the director of Eastern Canada Building Sciences for WSP Canada Inc. Based in Ottawa, Ontario, she has over 16 years' experience in Canada and the United States. She is a founding member and past president of the IIBEC Quebec Ontario Chapter and past National Capital Branch liaison for the IIBEC Southern Ontario Chapter. She has sat on various committees and task forces since 2018, including the Manual of Practice Task Force and BES Committee.



IIBEC STAFF



Brian Pallasch
EXECUTIVE VICE PRESIDENT
AND CEO



Melany Rizzo
CHIEF OPERATING
OFFICER



Carolyn Baber
SENIOR EXECUTIVE
ASSISTANT/OPERATIONS
MANAGER



Mandy Bell
MANAGER OF EDUCATION



John Boling
DIRECTOR OF
GOVERNMENT RELATIONS



Arissa Cooper
MANAGER OF
MARKETING & SALES



Tara Cottle
DIRECTOR OF REGIONAL
& CHAPTER RELATIONS



Caroline Cummings
MEETING & EVENTS
SPECIALIST



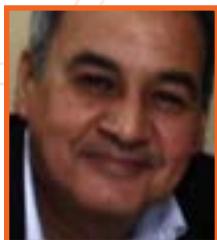
Mandy Cunningham
DIRECTOR OF EVENTS
& MEETINGS



Rick Gardner
FOUNDATIONS
DEVELOPMENT OFFICER



Christian Hamaker
DIRECTOR OF PUBLICATIONS
& COMMUNICATIONS



Samir Ibrahim
EDUCATION ADVISOR



Alec Jeffries
SR. DIRECTOR OF
MEMBERSHIP & CREDENTIALS



Kristen Kennedy
DIRECTOR OF EDUCATION



Laura Kury
OPERATIONS SPECIALIST



Amanda Littlejohn
MEMBERSHIP DEVELOPMENT
SPECIALIST



Emily Lorenz
SR. DIRECTOR OF
TECHNICAL SERVICES



Karen McElroy
MEETINGS & EVENTS
ADVISOR



Simone Patterson
MEMBERSHIP &
CREDENTIALS SPECIALIST

COMMITTEES

ADVOCACY

Advises IIBEC on direction, priorities, and initiatives dealing with advocacy issues regarding the association and its members. **Chair:** Melissa L. Barrows-Lieb, RRC, RRO, CCCA. Email: mlieb@macbrady.com. **Staff liaison:** John Boling. Email: jboling@iibec.org.

ANNUAL CONVENTION

Oversees selection of technical speakers and other functions of the annual IIBEC International Convention & Trade Show. **Chair:** Jennifer Hogan, REWC, RRO, CET, LEED AP Certified Passive House Consultant. Email: jennifer.hogan@pretimeng.com. **Vice Chair:** Burt Carver, RRC, RRO. Email: burt@apexbe.com. **Staff liaisons:** Mendy Cunningham and Kristen Kennedy. Emails: mcunningham@iibec.org and kkennedy@iibec.org.

AWARDS

The mission of the Awards Committee is to oversee the IIBEC awards selection process, submitting final approval or disapproval based on established criteria for each award. **Chair:** Christopher Giffin. Email: cgiffin@wje.com **Staff liaison:** Carolyn Baber. Email: cbaber@iibec.org.

HOROWITZ AWARD

Judges the annual Richard M. Horowitz Award. **Chair:** John Wylie, RBEC, RWC, REWC, RRC, RRO, PE. Email: johnwylie@constructionscience.org.

BUILDING ENCLOSURE SYMPOSIUM

Coordinates the development and delivery of IIBEC's Building Enclosure Symposium. **Chair:** Jay Rodriguez. Email: jay@marketmakersinc.com. **Staff liaisons:** Mendy Cunningham and Kristen Kennedy. Emails: mcunningham@iibec.org and kkennedy@iibec.org.

BYLAWS

Makes bylaws recommendations to the IIBEC Board of Directors. **Chair:** Marc Caputo, RRC, LEED AP. Email: marcrc@aol.com. **Staff liaisons:** Brian Pallasch and Melany Rizzo. Emails: bpallasch@iibec.org and mrizzo@iibec.org.

Committees continued on next page



COMMITTEES

CONTINUED

CHAPTER DEVELOPMENT

Creates and maintains leadership resources to aid in the success of IIBEC affiliated chapters. **Chair:** Steve Drennan. Email: steve.drennan@premierbec.com. **Staff liaison:** Tara Cottle. Email: tcottle@iibec.org.

CODES AND STANDARDS

Provides input to IIBEC's strategy on participation in various code- and standards-development activities. **Chair:** Dave Hawn, F-IIBEC, RRC, CEM. Email: drhawn@drhroofsolutions.com. **Staff liaison:** Emily Lorenz, PE. Email: elorenz@iibec.org.

CREDENTIALS

Recommends policy on matters related to the credential program. **Chair:** David W. Honeycutt, RBEC, RRC, RWC, REWC, RRO. Email: dhoneycutt@reiengineers.com. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

REWC® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Exterior Wall Consultant program and examination. **Chair:** Stephen E. Hentz, RBEC, RRC, RWC, REWC, REWO, PE, CDT. Email: shentz@reiengineers.com. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

REWO® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Exterior Wall Observer program and exam. **Chair:** Stephen E. Hentz, RBEC, RRC, RWC, REWC, REWO, PE, CDT. Email: shentz@reiengineers.com. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

RRC® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Roof Consultant program and examination. **Chair:** Marc Caputo, RRC, LEED AP. Email: marcrcr@aol.com. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

RRO® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Roof Observer program and examination. **Chair:** Codee Goff, RRC, RRO, REWO. Email: codecg@thebeegroup.org. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

RWC® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Waterproofing Consultant program and exam. **Chair:** Aaron Nelson, RBEC, RRC, RWC, REWC, RRO. Email: aaronnelson@roofingtechnical.com. **Staff liaison:** Alec Jeffries. Email: ajeffries@iibec.org.

DIVERSITY AND INCLUSION

Champions diversity and inclusion issues in the building enclosure industry. **Co-Chair:** André Coppin, RRC, RRO. Email: acoppin@cornerstonearch.com. **Co-Chair:** Szymon Zienkiewicz, RRC, RRO, PE. Email: szymon@enclosureconsulting.com. **Staff liaisons:** Brian Pallasch and Carolyn Baber. Emails: bpallasch@iibec.org and cbaber@iibec.org.

EDUCATION

Determines the need for and provides educational services to IIBEC members and the industry at large. **Chair:** Aaron B. Nelson, RBEC, RRC, RWC, REWC, RRO. Email: aaron@roofingtechnical.com. **Staff liaison:** Kristen Kennedy. Email: kkennedy@iibec.org.

EMERGING PROFESSIONALS

Oversees the development of programs and services for emerging professional members (generally aged 40 and under). **Chair:** Anthony Dukes, RRC, RRO, PE. Email: adukes@wje.com. **Staff liaison:** Tara Cottle. Email: tcottle@iibec.org.

ETHICS

Maintains the professional Code of Ethics. **Chair:** Matthew Durrett, RRO. Email: mdurrett@leak-detection.com. **Staff liaisons:** Brian Pallasch and Melany Rizzo. Emails: bpallasch@iibec.org and mrizzo@iibec.org.

EXCELLENCE IN BUILDING ENCLOSURE CONSULTING AWARD

Manages and judges the annual Excellence in Building Enclosure Consulting Award. **Chair:** Jeremy Bridwell, RRC, REWC, PE. Email: jbridwell@wje.com. **Staff liaison:** Emily Lorenz, PE. Email: elorenz@iibec.org.

IIBEC INTERFACE EDITORIAL BOARD

Supervises publication of *IIBEC Interface*. Critiques and solicits its articles and recommends editorial policy. **Chair:** John Wylie, RBEC, RRC, RWC, REWC, RRO, PE. Email: johnwylie@constructionscience.org. **Staff liaison:** Christian Hamaker. Email: chamaker@iibec.org.

INDUSTRY LIAISON

Provides Industry, Facility Management, and Associate members a forum to enhance the body of knowledge and provide input to IIBEC regarding trends, issues, and concerns in the industry. **Chair:** Janial Mack, RRO. Email: janial.mack@carlisleccm.com. **Staff liaison:** Brian Pallasch. Email: bpallasch@iibec.org.

NOMINATING

Recommends policy on matters related to IIBEC's elections. Makes nominations and oversees and conducts elections. **Chair:** Michael E. Clark, F-IIBEC, RBEC, RRC, RWC, REWC, RRO, PE, CSRP. Email: mecanda@mgacoxmail.com. **Staff liaison:** Brian Pallasch and Carolyn Baber. Emails: bpallasch@iibec.org and cbaber@iibec.org.

TECHNICAL ADVISORY

Responds to industry issues, policy, and standards as they develop. Produces technical advisories. **Chair:** Kenrick J. Hartman, RBEC, PE, LEED AP BD+C. Email: khartman@wje.com. **Staff liaison:** Emily Lorenz, PE. Email: elorenz@iibec.org.



MARKETPLACE CALENDAR NEWS AND PRESS MEMBER DIRECTORY IIBEC PROFILE LOGOUT 

Membership ▾ Credentials ▾ Education & Events ▾ Communications ▾ Advocacy ▾ About ▾ Join IIBEC

Committees

IIBEC committees recommend policy to the board of directors. These member-powered groups offer opportunities for individuals to actively shape the direction of the association and its involvement within the building enclosure industry. Get involved. Discover a place with one of IIBEC's many committees below.

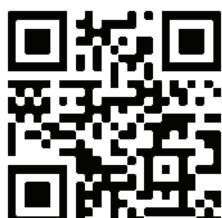


For more information about
IIBEC committees, visit
iibec.org/membership/committees

IIBEC REGIONS & CHAPTERS



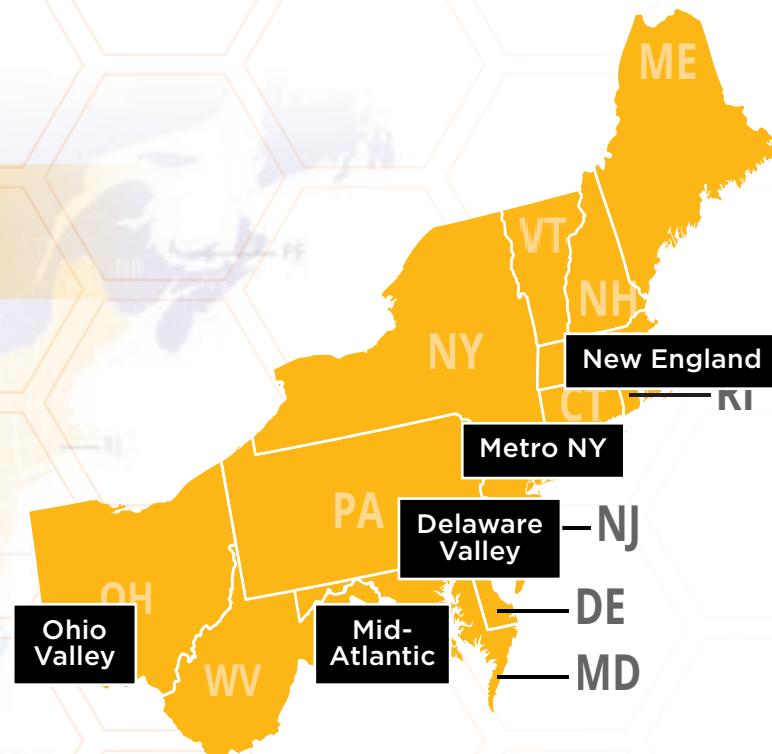
[Learn More about IIBEC Regions and Chapters](#)



IIBEC-AFFILIATED CHAPTERS



REGION I



REGION I DIRECTOR

Julie Palmer
jmpalmer@wje.com

DELAWARE VALLEY CHAPTER

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V-P: Sam Zartman
Treas: Kathryn Stairs
Sect.: Michael Popeck
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eric@acrymax.com
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METRO NY CHAPTER

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V-P: Hugo Ramirez
Treas.: Ricardo Augustin
Sect.: Kelley Greenfield
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MID-ATLANTIC CHAPTER

Pres.: Sherre Bartlett
V-P: Justin Long, RBEC, RWC, REWC, RRC
Treas.: Anthony Dukes, RRC, RRO, PE
Sect.: Bonnie Hoppa
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NEW ENGLAND CHAPTER

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V-P: John Karman
Treas.: Bill Waterston, RRC
Sect.: Benjamin Immonen, PE
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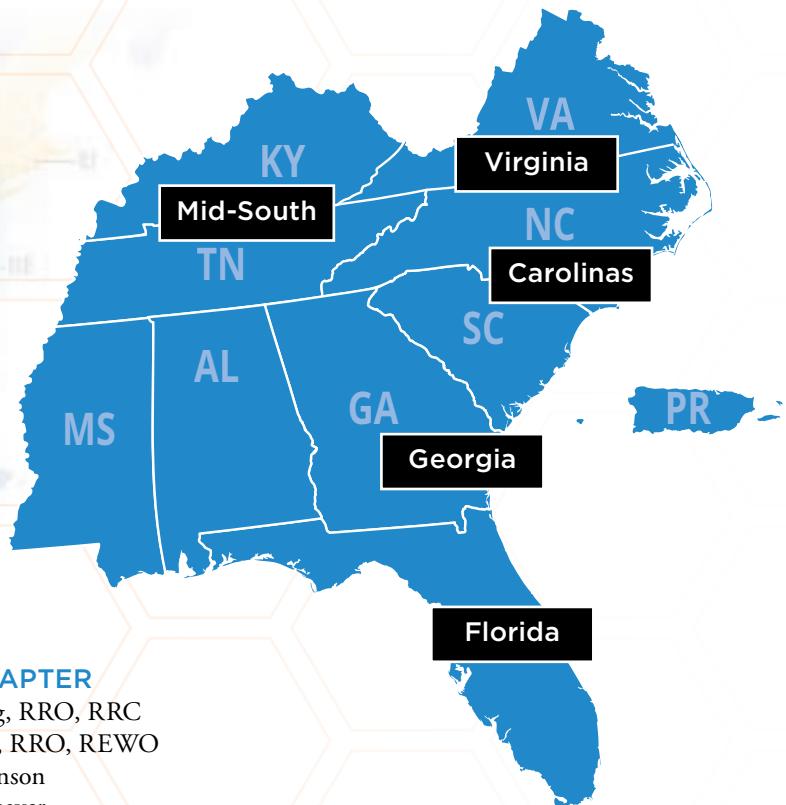
OHIO VALLEY CHAPTER

Pres.: Rick Craig, F-IIBEC, RRC, RRO
V-P: Nick Ridgeway, RRO
Sec.: Tim Parland
Treasurer: Denise Diestel
Contact Info:
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IIBEC-AFFILIATED CHAPTERS



REGION II



REGION II DIRECTOR

Nicholas Tribble, RRO
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CAROLINAS CHAPTER

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Treas.: Codee Goff, RRC, RRO, REWO
Sect.: Hannah Safren, RRO
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FLORIDA CHAPTER

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Treas.: Frank Louis-Jeune
Sect.: Jeff Carrillo
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V-P: Nick Warndorf, RRO
Treas.: Todd Bagwell
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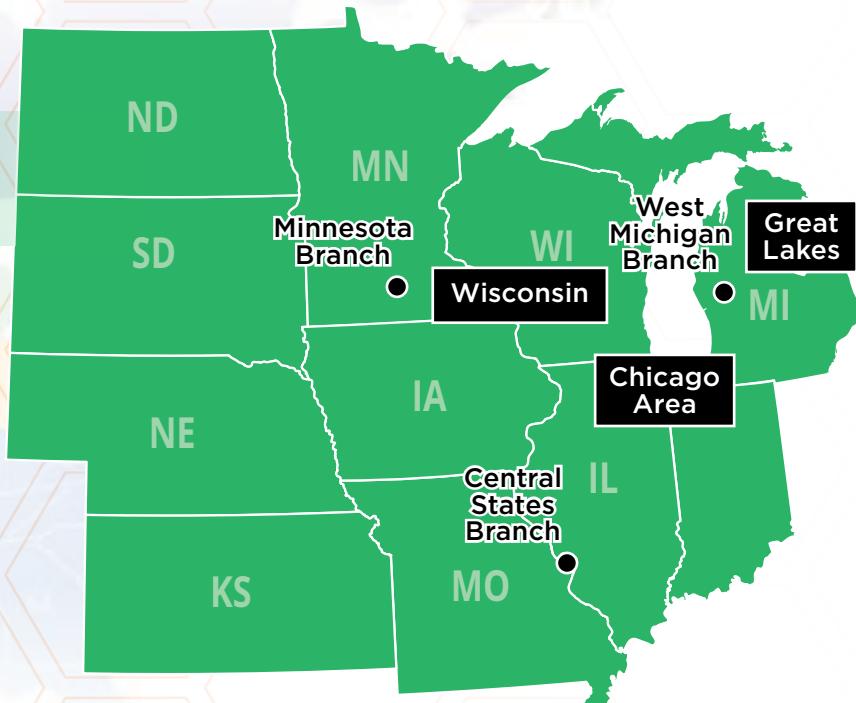
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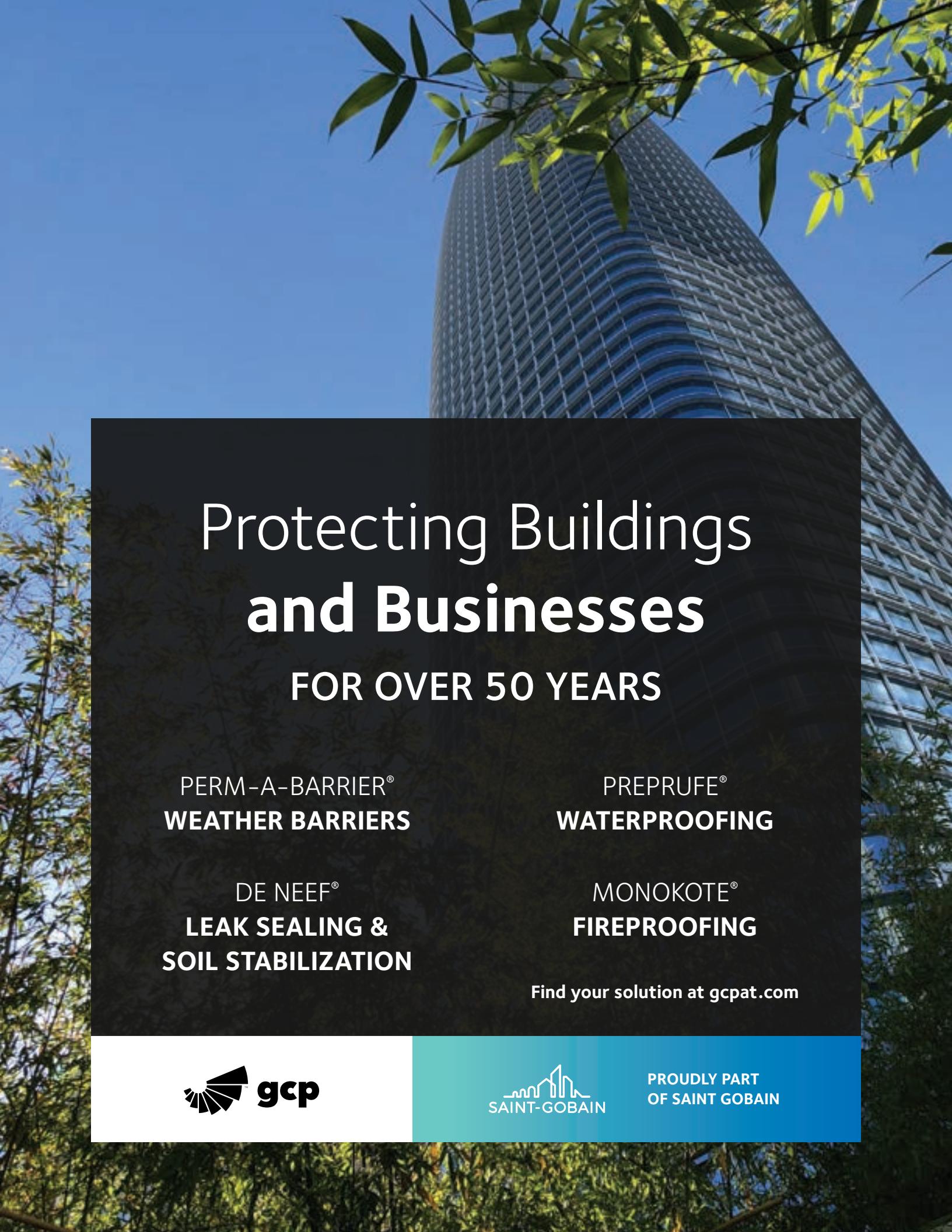
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ADVOCACY

ADVOCACY AND GOVERNMENT RELATIONS

IIBEC's strategic plan is the cornerstone on which the government relations program is built:

- Increase involvement in the development of codes and standards to promote requirements needed to ensure the safety, resilience, and sustainability of building enclosure systems.
- Increase advocacy efforts to influence procurement issues to protect the integrity and transparency of taxpayer funded projects.
- Increase engagement with outside organizations to promote legislative efforts.
- Increase efforts to promote IIBEC member credentials and services to government entities.
- Increase resources, tools, and training to chapters to engage in local, state, and provincial advocacy efforts.

Working through the IIBEC Advocacy Committee and with chapters and branches, IIBEC's advocacy efforts are driven by member interests.

Mission:

The Advocacy Committee's mission is to influence and defend public policy interests of IIBEC consultant members in the building enclosure industry while creating strategic alliances with common goals to advance and protect public policy.



IIBEC ADVOCACY FOR CHAPTERS AND MEMBERS

As long as the government has a say over how buildings are constructed and by whom, IIBEC members must be involved to protect the interests of the profession.

Whether it is one person or an official committee, by harnessing the resources available from IIBEC, chapters can ensure our voice is heard when legislation and regulation impacting our profession is discussed. IIBEC will be a resource to the individual or chapter at every stage, from organizing and identifying key issues to helping write letters and meeting with elected officials to discuss important issues. IIBEC is committed to assisting its affiliated chapters in the ways noted below:

SETTING UP AN ADVOCACY PROGRAM

IIBEC staff will work with chapter leaders to organize a chapter advocacy program and identify goals, strategies for engagement, and other programmatic functions to meet the chapter's needs.

CHAPTER VISITS TO SPEAK OR STRATEGIZE

IIBEC staff can attend in-person or virtual events and provide professional government affairs assistance upon request. IIBEC staff can speak about IIBEC policies and relevant legislative bills, provide a general overview, and even provide training for members.

STATE & LOCAL LEGISLATIVE MONITORING

IIBEC monitors legislation at the state level that could impact members. From procurement legislation to changes in the building codes, IIBEC will alert chapters when our system catches legislation of interest.

LETTER WRITING PROGRAM

Letters and electronic messages are an excellent way to communicate with and educate your elected representatives and regulators on issues impacting the building enclosure profession. IIBEC has experience drafting letters for use in advocacy efforts.

HOSTING EVENTS WITH LEGISLATORS & REGULATORS

IIBEC can help identify, design, and invite key local officials to an event to discuss legislative or regulatory issues impacting the sector and educate them on the building enclosure profession.

LOBBY DAYS/LEGISLATIVE VISITS

IIBEC can assist in organizing visits with your local officials, topics to cover, and best practices for communicating with elected officials and their staff. IIBEC can also help with drafting and preparation of statements if speaking or testifying before a legislative panel.

CODE OF ETHICS

INTERNATIONAL INSTITUTE OF BUILDING ENCLOSURE CONSULTANTS

Adopted July 17, 2001

Revised March 28, 2006, Revised September 19, 2015

Revised September 24, 2022

Introduction: The International Institute of Building Enclosure Consultants (IIBEC) is dedicated to the highest standards of professionalism, integrity, and competence. The standards contained in this Code of Ethics (Code) are statements of ethical principles by which the professional conduct and obligations of all IIBEC members and registrants shall be guided.

Under the IIBEC Bylaws, all IIBEC members and registrants are required to comply with the Code of Ethics and to report any observed violations. Adherence to this Code must be above reproach and beyond the influence of competing interests. Even the appearance of a conflict of interest shall be avoided.

The standards contained in this Code of Ethics are statements of ethical principles having broad applicability to members and registrants of IIBEC.

Members and registrants of IIBEC shall recognize that their profession and their practice may be governed by various laws (federal, state, provincial, local, or otherwise) and regulations regarding professional registration and the conduct of trade. It is their responsibility, therefore, to be familiar with those laws and regulations and to conduct themselves accordingly.

Standard of Care Statement: This Code is not intended to define the Standard of Care a member or registrant is required to meet and shall not be used as a reference or part of a civil action against a member or registrant.

General Obligations: Members and registrants shall maintain and further their knowledge of the profession in which they practice and shall maintain the utmost standard of professional judgment and conduct. Members and registrants shall conduct themselves and their practice honestly and impartially, serving with integrity the organization (IIBEC), other members, their clients, employers, and the public.

IIBEC does not tolerate harassment, discrimination, racism, violence, retaliation, and other disrespectful or inappropriate behavior. Members and registrants shall conduct themselves with integrity, in a professional manner and treat everyone with respect and dignity, including those with differences including but not limited to gender, gender identity, race, color, age, disability, sexual orientation, ethnic origin, veteran status, religion, or other legally protected characteristics.

IIBEC members and registrants are committed to diversity and inclusion and shall value and embrace diversity in the profession and participation in IIBEC programs and activities

Fundamental Canons

Members and registrants of IIBEC, in the performance of their duties, shall:

1. Hold paramount the safety, health, and welfare of the public.
2. Conduct themselves in a professional and respectful manner and recognize the contributions of the project team engaged in consulting, design, and construction.
3. Value, and treat with respect and dignity all individuals, regardless of gender, gender identity, race, color, age, disability, sexual orientation, ethnic origin, veteran status, religion, or other legally protected characteristics.

Rules of Practice

1. Safety, Health, and Welfare of Public Responsibilities:
 - a. Adhere to applicable laws and regulations.
 - b. When necessary, rely on the advice of other competent and qualified persons as to the intent and meaning of such applicable laws and regulations.
 - c. Be honest in conduct, and promote effective use of resources through transparent, and impartial service with fidelity to the public, employers, associates, and clients;
 - d. Approve and/or issue only those documents that they prepare or review and that are determined to be safe for public health and welfare, in conformity with accepted industry standards and applicable laws;
 - e. Neither offer to nor make payments or gifts to public officials, private clients, or industry representatives with the intent of influencing that person's judgment or decision in connection with an existing or prospective project in which the member/registrant is interested.
 - f. Do not mislead about the results that can be achieved through the use of the members' or registrants' services or products, nor shall the members or registrants state that they can achieve results by means that violate applicable laws;
 - g. If a member's or registrant's judgment is overruled under circumstances that, in the opinion and best professional judgment of the member or registrant, may endanger life or cause substantial damage to property, or is not compliant with applicable laws and regulations, the member or registrant shall:
 - i. Advise an employer and/or client about the decision,

- ii. Refuse to consent to the decision, and
- iii. Notify the appropriate Authority Having Jurisdiction charged with the enforcement of the applicable laws or regulations.

2. Professional Responsibility:

- a. Be respectful and considerate to others in obtaining work and employment, and while participating in IIBEC events;
- b. Exercise unprejudiced and unbiased judgment and conduct when performing services;
- c. Make accurate, truthful, and appropriate statements or claims about their qualifications, experiences, or performance;
- d. Perform services in areas of professional and personal competence;
- e. Undertake assignments only when qualified by education and experience in the specific technical fields involved;
- f. Further knowledge of technical and non-technical capabilities including, but not limited to, the science, principles, and ethics of the profession and community;
- g. Evaluate and decline activity or employment, financial or other interest, and refuse contribution if it reasonably appears that such involvement could compromise judgment and the best interests of the clients or employers. Provide full disclosure to the client or employer and obtain consent thereto;
- h. Restrict the use of their names or firms nor associate in business ventures with persons or firms that they have reason to believe are engaged in fraudulent or dishonest business or professional practices.
- i. Similar to statement c. above Engage only in accurate, appropriate, and truthful promotion of their practice;
- j. Be objective and truthful in reports, statements, testimony, and on social media;
- k. Maintain client and employer confidentiality when applicable;
- l. Comply with obligations relating to confidential information and applicable data privacy laws in relation to its use, processing, and storage of professional and personal data;
- m. Refrain from making false statements about the work of others and shall not maliciously injure or attempt to injure the prospects, practice, or employment position of others;
- n. Develop and disseminate accurate information related to consultation, design, and construction of building enclosure systems.
- o. Do not accept compensation—financial or otherwise—from more than one party for services on the same project, or for services pertaining to the same project, unless the circumstances are fully disclosed.

- p. Members and registrants having substantial information leading to a reasonable belief that another member or registrant has committed a violation of this Code that raises a serious question as to the honesty, trustworthiness, or fitness of the other member or registrant are encouraged to initiate a complaint with the IIBEC Ethics Committee and/or applicable Authority Having Jurisdiction.

Enforcement and Amendment

1. Enforcement of the Code of Ethics is administered through the IIBEC Ethics Committee, appointed by the IIBEC Board of Directors, and the Board of Directors as set forth in the IIBEC Ethics Administrative Procedures.
2. The IIBEC Code of Ethics may be amended by the IIBEC Board of Directors upon a two-thirds vote of the Board.

For more information, please visit iibec.org/membership/code-of-ethics.



CREDENTIAL PROGRAMS

Recognizing the need for qualifications and standards in an unregulated industry, IIBEC has developed seven highly regarded credential programs. Roof consultants, exterior wall consultants, waterproofing consultants, building enclosure commissioning providers, and quality assurance observers can establish their credentials through the following programs:

- Registered Building Enclosure Consultant (RBEC®)
- Registered Roof Consultant (RRC®)
- Registered Waterproofing Consultant (RWC®)
- Registered Exterior Wall Consultant (REWC®)
- Certified Building Enclosure Commissioning Provider (CBECxP®)
- Registered Roof Observer (RRO®)
- Registered Exterior Wall Observer (REWO®)

All seven represent a high level of competence, experience, and ethics, as well as a commitment to continuing education. Each requires an application process and satisfactory performance on an examination.

Each candidate must submit a completed application to IIBEC with the appropriate application fee. Allow 90 days for processing.

The RBEC, RRC, RWC, REWC, CBECxP, RRO, and REWO designations represent the pinnacle of roofing, waterproofing, exterior wall, and building enclosure commissioning professionalism.



Be it known that

John R. Public, RRC

having given satisfactory evidence of necessary qualifications with regard to character, education, and experience as required by IIBEC was examined - duly registered - awarded this certificate and is henceforth recognized as a

Registered Roof Consultant

In testimony whereof Registration Number 0000 is issued under the seal of IIBEC and the signatures of the President and Secretary, this 1st day of April 2024.

IIBEC
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(800) 828-1982 • www.iibec.org



Robert H. Johnson
President

Brent L. Lewis
Secretary

Applications may be completed online at iibec.org/credentials. They are also available upon request from IIBEC. Study guides, which offer sample questions and a list of reference materials from which the exam questions were developed, are available.

Once an application has been approved, the candidate is eligible to take the exam.

Computer-based testing is available to all approved candidates. IIBEC provides the testing company with candidate eligibility information. Candidates are then contacted to schedule their testing sessions at one of the 1,000 conveniently located testing center locations.

Approved applications are valid for two years, and an application extension is required if the applicant does not earn the RRC, RWC, REWC, CBECxP, RRO, or REWO title within that time. Application extensions can be less involved than the original process, depending on the age of the information; therefore, immediate action is recommended. Contact IIBEC for a specific application.

Once an application has been approved and the exam has been passed, the candidate has qualified for a credential title and will be honored at an awards ceremony during the next annual IIBEC International Convention and Trade Show. A credential card is also provided and will be reissued every year upon renewal.

GENERAL CONSULTANT KNOWLEDGE EXAM

The General Consultant Knowledge (GCK) exam was developed to test areas common to all components of the building enclosure (roofing, waterproofing, and exterior walls). This concept was designed to produce a more efficient testing process, eliminating common information being tested for each consultant designation. Once passed, the GCK exam will not need to be retaken should there be interest in pursuing multiple consultant designations. To earn any consultant designation (RRC, RWC, REWC), an applicant must take and pass both the GCK exam and the technical exam associated with the desired credential. If an applicant already possesses a consultant designation, he or she is exempt from taking the GCK exam. If only one is passed, the candidate will be required to retake only the part he or she failed. The exam that is passed will remain valid until the candidate is successful in passing the other exam and the designation is earned. Candidates who do not meet

the required grade point to pass an exam will have the option to retest every four months.

There is no separate application for the GCK exam. Approval of any consultant application will qualify the applicant to take it. A study guide for the exam is available from IIBEC and on the website.

The GCK exam is offered at computer-based testing centers and has 90 multiple-choice questions that involve the following topics: ethics, general skills, communications and reports, codes and standards, design processes, procurement processes, agreements, and construction administration. Exam takers are given four hours to complete this exam.

Fees for the GCK exam are as follows:

- \$275 for IIBEC members
- \$375 for nonmembers



REGISTERED ROOF CONSULTANT PROGRAM

The demand for the Registered Roof Consultant (RRC) title by private clients and public agencies has been growing rapidly. Requirements for attaining this title are stringent and take considerable time and effort to fulfill. While membership is not required, most RRCs choose to join the organization. IIBEC's RRC Review and Update course is highly recommended for anyone planning to take the RRC exam. Several IIBEC skill enhancement courses are also recommended, including Roof System Thermal and Moisture Design, Roof Drain Design, and Wind Design courses. These courses are not part of the registration process and do not cover all that is on the RRC exam; however, they do provide important basic information.

Requirements

Successful candidates must demonstrate, by application, certain minimum requirements regarding education, personal work experience, character, and ethics. Verification of an applicant's education and/or work experience is done with a point system. A minimum of 100 points is required and is based on one of the following: work experience only; experience and education; or experience, education, and professional registration. In addition, the applicant must obtain a minimum of 70 continuing education

hours (CEHs) directly related to the roofing, waterproofing, and/or exterior wall industries. A satisfactory score on an exam is required after application approval. The RRC exam is offered at hundreds of conveniently located testing centers.

Fees

The fees for RRC applicants are shown on page 31.

The RRC Exam

Test takers will be given four hours to complete the computer-based exam. This will include 60 multiple-choice questions that involve the following topics: codes and standards, materials and properties, assemblies, analysis and design, and evaluation and testing. Some problems may involve mathematical computations that require familiarity with basic algebra, geometry, and trigonometry.

Scientific calculators and reference materials are provided within the exam. A study guide is available on the website or from IIBEC upon request.

Renewal Policy

Renewal requirements are listed on page 31 under Credential Renewal Policy.

CREDENTIAL PROGRAMS



REGISTERED WATERPROOFING CONSULTANT PROGRAM

IIBEC's Registered Waterproofing Consultant (RWC) program was established in 2005. The requirements for attaining this title are stringent and take considerable time and effort to fulfill. IIBEC's Waterproofing course is highly recommended for anyone planning to take the RWC exam. This course is not part of the credential process and does not cover all that is on the RWC exam; however, it does provide important basic information.

Requirements

Successful candidates must demonstrate, by application, certain minimum requirements regarding education, personal work experience, character, and ethics. Verification of an applicant's education and/or work experience is done with a point system. A minimum of 100 points is required and is based on one of the following: work experience only; experience and education; or experience, education, and professional registration. In addition, the applicant must obtain a minimum of 70 continuing education hours (CEHs) directly related to the roofing, waterproofing, and/or exterior wall industries. A satisfactory score on an exam is required after application approval. The RWC exam is offered in computer-based format at conveniently located testing centers.

Fees

The fees for RWC applicants are shown on page 31.



The RWC Exam

Four hours have been allotted for this computer-based exam. This includes 60 multiple-choice questions on the following topics: materials, systems, design, industry standards, and testing and investigation. Some problems may involve mathematical computations that require familiarity with basic algebra, geometry, and trigonometry. Scientific calculators and reference materials are provided within the exam.

Renewal Policy

Renewal requirements are listed on page 31 under Credential Renewal Policy.



REGISTERED BUILDING ENCLOSURE CONSULTANT DESIGNATION

The Registered Building Enclosure Consultant (RBEC) designation is awarded to those who have earned the Registered Roof Consultant (RRC), Registered Waterproofing Consultant (RWC), and Registered Exterior Wall Consultant (REWC) credentials. Individuals desiring this designation are required to complete a form before it is awarded.

To maintain this designation, the individual renewal fees for the RRC, RWC, and REWC registrations must be paid. The RBEC

title may be listed in combination with the individual consultant designations or by itself.

Individuals holding this designation will be required to sign a form to confirm that the annually required 15 CEHs have been earned from a combination of roofing, waterproofing, and exterior wall courses.

It is possible to earn all 15 hours at the annual IIBEC convention.



REGISTERED EXTERIOR WALL CONSULTANT PROGRAM

The Registered Exterior Wall Consultant (REWC) program was established in 2011. The requirements for attaining this designation are stringent and take considerable time and effort to fulfill.

The following courses are recommended for those pursuing this designation: Exterior Wall Technology and Science, Exterior Concrete Wall Systems, Masonry Wall Systems, and Stucco and Exterior Finish Cladding Systems. These courses are not part of the registration process and do not cover all that is tested on the REWC exam; however, they do provide important basic information.

Requirements

Those who desire to become REWCs must substantiate certain requirements before qualifying to take the exam. These requirements include documenting levels of work experience, education, and high ethical standards. The application for this registration guides the applicant through the rigorous process.

Verification of an applicant's work experience is done using a point system; 100 points are required. In addition, the applicant must have at least six years of exterior wall consulting experience and a minimum of 150 continuing educational hours (CEHs) in

the roofing, waterproofing, and/or exterior wall industries. Credit will be given toward this requirement for advanced degrees and professional licensing.

The REWC exam is available in computer-based format at conveniently located testing centers.

Fees

The fees for REWC applicants are shown on page 31.

The REWC Exam

Candidates will have up to four hours to complete the exam. Sixty multiple-choice questions will test knowledge of exterior wall systems in the following areas: design, materials, investigations, codes and standards, testing, and installation and repair. Some problems may involve mathematical computations that require familiarity with basic algebra, geometry, and trigonometry. Scientific calculators and reference materials will be provided within the exam.

Renewal Policy

Renewal requirements are listed on page 31 under Credential Renewal Policy.



REGISTERED EXTERIOR WALL OBSERVER PROGRAM

With the expansion of IIBEC's focus from roofing to the entire building enclosure, the organization saw the need for the

development of a designation for exterior wall observers. Quality assurance observers monitor the construction process to ensure that exterior wall projects stay in compliance with approved construction drawings, specifications, and best-practice or warranty-stipulated installation procedures.

The Registered Exterior Wall Observer (REWO) designation validates that candidates possess the knowledge, skills, and abilities required to provide impartial, informed observation and documentation while performing the duties of project observation and quality assurance related to the construction of exterior wall systems. IIBEC's Building Enclosure Quality Assurance and its Exterior Wall Quality Assurance courses are recommended for those taking this exam.

Requirements

The REWO designation is offered to those who qualify through an application process and computer-based exam. Potential candidates must:

- Have two years of exterior wall systems construction

experience, two years of quality assurance observation experience, or four years as an exterior wall systems technical or sales representative.

- Obtain a minimum of 12 hours of continuing education within the building enclosure industry.
- Attain a satisfactory score on the computer-based exam.

Fees

The fees for REWO applicants are shown on page 31.

REWO Exam

The exam includes 75 questions designed to measure the applicant's knowledge regarding construction documents, ethical standards, communication skills, safety practices, exterior wall systems, field observation practices, and reporting. Up to three hours are allotted to complete it. Results will be conveyed to the candidate immediately upon completion.

Renewal Policy

Renewal requirements are listed on page 31 under Credential Renewal Policy.

CREDENTIAL PROGRAMS



REGISTERED ROOF OBSERVER PROGRAM

In an effort to improve the overall quality of construction, IIBEC offers the Registered Roof Observer (RRO) program. The RRO title is the preferred standard of practice among quality assurance observers. IIBEC's Roof Technology and Science I and II courses, Building Enclosure Quality Assurance, and the Rooftop Quality Assurance courses are highly recommended for those taking the RRO exam. These courses do not provide all of the information needed to pass the RRO exam but do provide important basic information.

Requirements

The successful applicant must meet the following requirements:

- Have two years of roofing construction experience, two years of quality assurance observer experience, or four years as a technical or sales representative.
- Obtain a minimum of 12 hours of continuing education within the roofing industry.
- Attain a satisfactory score on the examination.

Fees

The fees for RRO applicants are shown on page 31.

RRO Exam

Once an application has been approved, the candidate must achieve a satisfactory score on the examination, which is tailored neither to any one particular area of roof observation nor to the design and construction practices unique to any geographic area.



The exam deals primarily with roof observations in general. It is computer based and is up to three hours long. It may include all phases of roof observations (methodology and construction), both steep- and low-slope roofing, and all systems (shingle, tile, slate, built-up, single-ply, wood, metal, and spray-applied foam).

In order to receive a passing score on the examination, the examinee must be thoroughly familiar with the basic methodology of quality assurance observation and have a broad knowledge of ethics, roof systems and materials, field testing, reporting, safe work practices, roles and responsibilities, and construction documents.

Renewal Policy

Renewal requirements are listed on page 31 under Credential Renewal Policy.

CREDENTIAL PROGRAM FEES

The fees for applicants for all credentials, regardless of designation *except the CBECxP*, are as follows:

Application fee:

- \$375 for IIBEC members
- \$475 for nonmembers

Exam fee:

- \$275 for IIBEC members
- \$375 for nonmembers

CREDENTIAL RENEWAL POLICY

Each IIBEC credential must be renewed annually. Renewal for the REWO and RRO credentials require 10 continuing education hours (CEHs), and the RRC, RWC, and REWC credentials require 12 CEHs in the roofing, waterproofing, and/or exterior wall industries. Payment of the \$175 renewal fee (\$275 for nonmembers) is also required.

To maintain the RBEC designation, the individual renewal fees for the RRC, RWC, and REWC credentials must be paid. The RBEC credential may be listed in combination with the individual consultant designations or by itself. Renewal of the RBEC requires 15 CEHs that have been earned from a combination of roofing, waterproofing, and exterior wall courses.

It is possible to earn all renewal CEHs at the annual IIBEC convention.

CERTIFICATION PROGRAMS



CERTIFIED BUILDING ENCLOSURE COMMISSIONING PROVIDER PROGRAM

The Certified Building Enclosure Commissioning Provider (CBECxP) is a designation for the professional who acts as the technical and administrative director of the building enclosure commissioning process. Individuals who obtain the CBECxP credential meet a variety of requirements including: at least four years of building enclosure commissioning experience; attainment of 100 points from education, employment, and other professional credentials, per the application point system; 70 hours of continuing education directly related to building enclosure commissioning and achievement of a passing score on the CBECxP exam.

The CBECxP exam has 90 multiple-choice items covering building enclosure commissioning topics ranging from core competencies to occupancy and operations. Three hours are allowed for the exam. The CBECxP program fees and recertification details may be found at iibec.org/credentials/cbecxp/

EDUCATION PROGRAMS

IIBEC offers a wide variety of educational offerings throughout the year covering all segments of the building enclosure. Taught by experienced field professionals, these courses present the latest information in technology and industry best practices. Courses are available in multiple formats:

- in-person/on-site, delivered by IIBEC chapters
- in-person virtual, delivered by IIBEC HQ or IIBEC chapters
- online on-demand, through LearnUpon—IIBEC's Online Learning Platform

IIBEC's educational programs have earned an industry-wide reputation for offering top-quality, comprehensive building enclosure education. Designed to meet the educational needs of professionals with varying levels of experience, IIBEC's education programs vary

across topic areas in proficiency level from introductory (fundamental concepts) to advanced (specific application principles and theory).

IIBEC courses are neither required nor intended to be preparatory for registration or certification exams. Course descriptions indicate if the course has been identified as recommended for those working toward a credential. All IIBEC courses are approved for IIBEC continuing education hours (CEHs). Many IIBEC courses are approved for American Institute of Architects (AIA) learning units (LU HSW or LU Elective). For more information about IIBEC's educational programs, visit iibec.org/education.

The IIBEC Education Team can be reached at: education@iibec.org.



IIBEC COURSES AND WEBINARS

With a wide selection of both live virtual and online education offerings, as well as on-demand courses, it's easy to keep up with your professional education! Check the "Calendar of Events" as live virtual courses and webinars are offered throughout the year.



CHAPTER-DELIVERED IN-PERSON COURSES

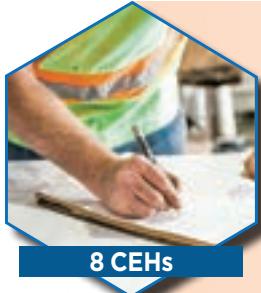
IIBEC chapters offer numerous educational events. Check the "Calendar of Events" and chapter websites for upcoming in-person and live virtual education offerings!



ONLINE, ON-DEMAND EDUCATION

Earn continuing education credits from the convenience of your own home office. Visit LearnUpon, IIBEC's Online Learning Platform, for a catalog of courses that are available on-demand. Engage in education on a variety of topics—when it works for your schedule!

IIBEC COURSES



8 CEHs

Building Enclosure Quality Assurance

Building Enclosure Quality Assurance is a course for professionals interested in field inspections and quality of applications, including material manufacturers, general contractors, quality assurance observers, and field inspectors. This course covers the diverse and challenging aspects of roofing, waterproofing, and exterior walls encountered in the field. Highlights of the course include the role and responsibilities of the quality observer, contract administration, and construction contract documents.

(Recommended for RRO® • Recommended for REWO®)

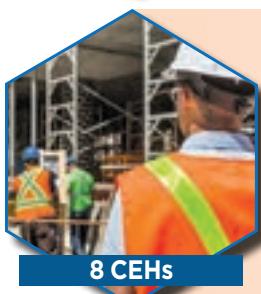


16 CEHs

Exterior Concrete Wall Systems

This course is the first specific exterior wall course that builds upon the fundamentals presented in Exterior Wall Technology and Science. The purpose of the course is to provide an in-depth understanding of exterior concrete wall systems that serve as part of the building enclosure system. This course will cover properties of concrete materials that affect their use in building enclosures, applicable codes and standards, design and construction requirements, and evaluating, repairing, and maintaining exterior concrete walls.

(Recommended for REWC®)



8 CEHs

Exterior Wall Quality Assurance

Exterior Wall Quality Assurance is a course for professionals interested in performing observation to ensure that exterior wall systems are installed in accordance with construction documents. The program covers diverse topics in the construction of exterior walls and is intended for manufacturers, general contractors, quality assurance observers, and field inspectors. (Recommended for REWO®)



16 CEHs

Exterior Wall Technology and Science

This course provides exterior wall technology and terminology that will be used as the fundamental base for additional exterior wall course offerings. The course covers a broad range of topics, including types and function of exterior walls, psychrometrics and moisture movement, design objectives and building code requirements, wall penetrations, materials, coatings, and water repellants and sealants. This course is aimed at those preparing to expand their knowledge into exterior walls and those already practicing in this area who want to further develop their knowledge in exterior wall technology. (Recommended for REWC®)



16 CEHs

Metal Roofing

Metal has unique properties that separate it from other roof choices. For over three millennia, metal roofing has been a durable, aesthetically appealing design element utilized for significant buildings. When corrugated metal roofing was introduced in the late 19th century, it became a welcome economical, fire-resistant roofing option. Metal roofing continues to evolve with technological advances in alloys, coatings, and the use of “floating” standing-seam roof panels. Course content is intended to provide attendees with a comprehensive understanding of metal roofing. (Recommended for RRC® • Recommended for RRO®)

EDUCATION PROGRAMS

IIBEC COURSES



16 CEHs

Professional Building Consulting

This course provides an overview of consultant roles that are unique to the roofing, exterior wall, and waterproofing industry. The course also identifies the consultant practices that are common to these three broad disciplines. The course examines building enclosure consultants and discusses what they do and how they do it and is a recommended foundation course for becoming more specialized. *Available on-demand in the Online Learning Platform.*

(Recommended for RRC® • Recommended for REWC® • Recommended for RWC®)



6 CEHs

Reroofing

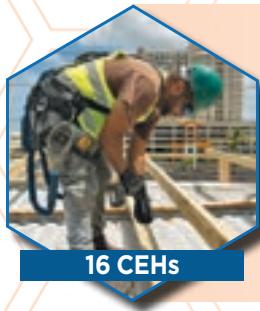
This course covers a range of concepts, including a discussion of the steps required for the roof consultant to successfully evaluate an existing roof and to make decisions regarding roof design using available references, resources, and evaluation techniques. Topics presented include review of reroof options and decision-making principles, building code considerations, reroof considerations, and examples of roof systems. Proper presentation of plans and specifications, as well as the role of stakeholders, is discussed. This course examines the elements required to properly execute meetings, project site visits, design resolutions, and project closeout. This course is designed for building consultants, architects, and engineers who regularly engage in the renovation of existing buildings. *Available on-demand in the Online Learning Platform.*



16 CEHs

Roof Technology and Science I

This course is the first component of a two-part series covering, in detail, aspects of the technology and science of roofing. The course covers the history and evolution of roofing up to present-day common applications. The course features terminology and technical information regarding roof decks and structures, roof insulation, bitumen membranes, built-up and modified-bitumen membranes, and flashing systems. An understanding of heat transfer theory, moisture, thermal design, and the calculation of U-factors will also be presented. *Available on-demand in the Online Learning Platform.* (Recommended for RRC® • Recommended for RRO®)



16 CEHs

Roof Technology and Science II

This is the second course of a two-part series covering, in detail, aspects of the technology and science of roofing. Highlights of the program include: fundamentals of single-ply, polyurethane foam, and PMR roof systems; basic concepts and terminology of metal roofing; steep roof design and installation of asphalt shingles, tiles, wood shakes, and shingles; building codes; fire testing/ratings of roofing; a basic understanding of wind interaction upon roofing and typical wind ratings; principles of roof asset management, including roof inspections, maintenance, and nondestructive evaluations. *Available on-demand in the Online Learning Platform.* (Recommended for RRC® • Recommended for RRO®)



8 CEHs

Rooftop Quality Assurance

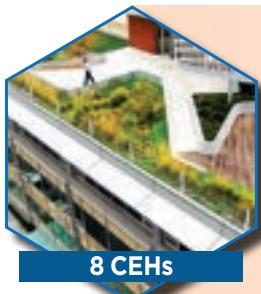
This course is for professionals interested in performing observation services to ensure the roof installation is consistent with construction documents and ownership requirements. The program includes thorough overviews of the major roof system assemblies that the professional observer will encounter when performing rooftop quality assurance services for ownership/design groups. The course is ideal for roofing material manufacturers, general contractors, quality assurance observers, architectural and engineering field techs, and field inspectors. *Available on-demand in the Online Learning Platform.* (Recommended for RRO®)

IIBEC COURSES



RRC Review and Update

This course is designed to provide skill review and updated information for individuals who have already passed the RRC exam. Additionally, this course may be beneficial to individuals who have prepared to sit for the RRC exam and seek to refresh their knowledge of technical topics. Covered during the program: wind design, including ASCE 7 and FM Global requirements; thermal calculations; CSI changes; green roofing principles; and roof asset management (RAM) calculations. *Available on-demand in the Online Learning Platform.* (Recommended for RRC*)



Vegetative Roofing for the Design Professional

This course is structured for those who design vegetative green roofs or who are responsible for correcting vegetative green roof thermal or moisture protection performance problems. Vegetative green roof design is a technically demanding and evolving growth industry. This course provides guidance in the areas of design criteria, system selection, reference standards, and flashing principles, and it discusses the influences of Factory Mutual, ASTM, GRHC, and NRCA publications and guidelines. (Recommended for RRC* • Recommended for RWC* • Recommended for RRO*)



Waterproofing

This course is designed for the practicing consultant and those who are aspiring to become Registered Waterproofing Consultants. This course focuses on split-slab plaza deck systems, surface-applied waterproofing, and below-grade waterproofing. The course starts with a review of differences among roofing, dampproofing, and waterproofing. (Recommended for RWC*)



JOIN

**The World's Most Elite Organization
Of Building Enclosure Consultants**

**COMMUNITY. CREDENTIALS.
CURATED LEARNING.**

Join Today At
IIBEC.org

IIBEC INTERNATIONAL CONVENTION AND TRADE SHOW

IIBEC's International Convention and Trade Show provides a forum for professionals who share a common goal of sustaining the highest standards and a desire to learn from one another. It provides an opportunity to explore current products and technologies; exchange ideas, solutions, insights, and information; attend cutting-edge educational sessions; and learn from renowned experts.

Attendees broaden and enhance their awareness of the industry and develop close working relationships with peers and vendors. Participants add value to the services they provide their customers by attending IIBEC's convention. Industry leaders, large and small, display their products and answer technical questions. The latest in industry research and practices is presented in technical seminars, where attendees may ask questions and earn continuing education hours (CEHs).

Other events include administrative and committee meetings to determine IIBEC's future direction, auxiliary seminars, live product demonstrations, a golf tournament, regional meetings, an awards luncheon, and a celebratory banquet with entertainment.

Join us in Orlando, the magical city known for its sunshine, diverse neighborhoods, and thriving entertainment scene.



MARCH 6-9, 2025

**ROSEN SHINGLE CREEK
ORLANDO, FLORIDA**

CONVENTION HAPPENINGS

- Technical Sessions
- Trade Show
- Auxiliary Seminars
- Committee Meetings
- Region Meetings
- The Excellence in Building Enclosure Consulting Awards
- Product Demonstrations
- Golf Tournament
- Awards Luncheon
- President's Reception and Banquet
- RCI-IIBEC Foundation(s) Event

WHO SHOULD ATTEND

IIBEC Members	Purchasing Agents
Specifiers	Industry Representatives
Consultants	Building Owners
Building Officials	Property Managers
Engineers	Government Officials
Architects	General Contractors

BUILDING ENCLOSURE SYMPOSIUM (BES)

IIBEC's Building Enclosure Symposium features next-level education focusing on the design, construction, maintenance, and repair of modern and/or older building enclosures. Presenters at this annual event offer relevant solutions to building enclosure challenges through real world examples and specific case histories.

For the 2024 symposium, IIBEC has partnered with the Ontario Building Envelope Council and will hold the event in Toronto, Canada. Exchange knowledge and expertise with an anticipated 300 consultants, architects, engineers, design professionals, and other building enclosure experts. Presentations include roofing, waterproofing, fenestration, exterior wall, building enclosure commissioning, and other pertinent topics within the industry.

Learn more at ibec.org under Education and Events.

SEPTEMBER 29-OCTOBER 1, 2024

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NORTH HOTEL & SUITES
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The Board and Batten panel system provides a timeless design aesthetic with the proven durability of metal. It uses a concealed fastener system to maintain clean lines and a rhythmic pattern of alternating wide vertical boards and narrower elevated battens. Explore the possibilities with this versatile tool for architectural creativity.

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PERIODICAL PUBLICATIONS



IIBEC interface



Published 9 times a year, *IIBEC Interface* is full of technical articles, industry events, professional and business development tips, and other information of interest to the building enclosure community. IIBEC members receive the publication as part of their membership. Additionally, *IIBEC Interface* is distributed to industry contacts and at trade shows, seminars, and meetings throughout the US and Canada. Additional sub-

scriptions may be purchased online at iibec.org.

The journal's high-quality technical articles are reviewed by a peer committee of professionals. Members and industry professionals are urged to contribute articles for publication. *IIBEC Interface* aims to keep readers up to date with industry changes; to provide a forum for exchange of ideas and technical knowledge; and to connect with all elements of the building enclosure industry, establishing a common ground for ongoing dialogue.

Advertisements in *IIBEC Interface* are placed on a first-come, first-served basis. Contact IIBEC Manager of Marketing and Sales Arissa Cooper at 919-859-0742 for additional information.

For information on how to submit an article, contact Executive Editor Christian Hamaker at chamaker@iibec.org or 919-551-6215.

Find the issue focus for each edition at iibec.org/hub/interface



SUBMISSION	ISSUE FOCUS	EDITORIAL DEADLINE
January 2025	Roofing	November 1, 2024
February 2025	Thermal Performance	December 1, 2024
March/April 2025	Blindsides/Waterproofing	January 2, 2025
May/June 2025	Convention and Trade Show	March 1, 2025
July/August 2025	Model Validation	May 1, 2025
September 2025	Air Barriers/Vapor Retarders	June 30, 2025
October 2025	Carbon Footprint	August 1, 2025
November 2025	Exterior Walls	September 1, 2025
December 2025	Sustainability	October 2, 2025

*Subject to change without notice

Digital interface



IIBEC Interface's digital edition is mobile-responsive and HTML-optimized, allowing readers to switch between the Reading view—with scrolling articles that automatically adjust to your device—and the Page view—a digital replica of the publication. Members can read the journal on their computers or digital devices.

The digital *IIBEC Interface* may also be accessed at the Hub (iibec.org/hub), with full access for IIBEC members.



DIGITAL RESOURCES



iibec.org

IIBEC's website (iibec.org) is a valuable source of industry information providing the building enclosure profession with detailed information, about benefits, continuing education, and association events.

Additionally, it provides visitors with an understanding of IIBEC's mission and its role within the building enclosure industry. Potential clients of industry professional can search the online database for IIBEC members in their area or across the globe. The site includes information on the following:

- Member benefits and how to join
- Credential programs
- Association and industry news
- The IIBEC marketplace
- Calendar of events
- Live, in-person webinars, on-demand education, and more



THE HUB

Archived *IIBEC Interface* technical articles as well as meeting proceedings, technical advisories, free education for members, IIBEC videos, and more can be found at: iibec.org/hub.

IIBEC CONSULTANT MEMBER MICROSITE

Our consultant.iibec.org microsite highlights our building enclosure consultants. At the site, you'll find out:

- Why Building Enclosures Matter
- Why Choose an IIBEC Consultant?
- What IIBEC Consultants Can Do for You
- The Impact of IIBEC Consultants

Plus, use the site to find an IIBEC Consultant in your area!



THE WEEKLY ENCLOSURE, CHAPTER RESOURCE CENTER, AND SOCIAL MEDIA

The Weekly Enclosure

Sent to more than 13,000 building-enclosure professionals, our weekly newsletter continues to generate high open rates and click rates.

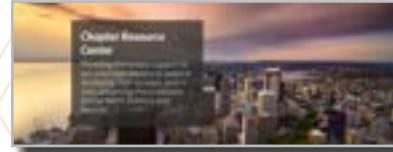


Newsfeed

The IIBEC Newsfeed offers a continuous listing of association and industry news, member profiles, and chapter news. Check out the "News and Press" link at the top of the page at iibec.org anytime and read about what's happening.

Chapter Resource Center

Our new Chapter Resource Center is exclusively for our volunteer leaders, allowing them to build their chapters with tools and resources that will foster success!



Social Media

IIBEC's social media presence continues to grow with our recent debut on Instagram! Read about and discuss what's going on in the building enclosure consulting field on IIBEC's official social media pages:

X x.com/IIBEC2020

facebook facebook.com/IIBEC2020

linkedin linkedin.com/company/IIBEC2020

youtube youtube.com/IIBEC2020

instagram instagram.com/iibec2020

OPPORTUNITIES FOR OUTREACH



IIBEC is a professional association serving the needs of more than 3,700 members from across the globe (primarily in North America). Members of IIBEC make up one of the most influential demographics in the building enclosure industry. The association's members specify billions of dollars of roofing, waterproofing, and exterior wall products each year.

Whether it's to coordinate a reroofing project, to design a new roof, or to solve a waterproofing or exterior wall issue, IIBEC members are called upon by building owners to offer their expertise for specification, design, and quality assurance.



Marketing through IIBEC is the surest means to gain access to this specific demographic.

To access detailed information regarding the opportunities below, visit iibec.org/advertising-opportunities.



Print-Based Marketing

- *IIBEC Interface* technical journal

Digital Marketing

- IIBEC website banner advertising
- IIBEC Newsfeed banner advertising
- Digital *IIBEC Interface* email banner advertising
- Employee recruitment advertising

In-Person Marketing and Relationship-Building Opportunities

- International Convention and Trade Show
 - Exhibitors
 - Sponsorships
 - Live product demonstrations
 - Mobile device app banner advertising and push notifications (when available)
 - Event program advertising
 - Educational proceedings publication advertising
 - Attendee tote bag promotional item

- insertion/stuffer
 - Exhibitors
 - Sponsorships
 - Educational proceedings publication advertising
- Board Meetings
 - Executive Committee meeting sponsorships
 - Board of Directors meeting sponsorships
- Regional and metro-area chapter meetings (contact local chapters for sponsorships)
 - Exhibits
 - Golf outing sponsorships
- Leadership Development Workshop
 - Sponsorships
 - Tabletops



For more information,
contact IIBEC's manager of marketing
and sales at 800-828-1902.



FOUNDATIONS



RCI-IIBEC FOUNDATION

The RCI-IIBEC Foundation was established in 2001. Its mission is to support research, education and the dissemination of information for issues important to the building enclosure industry. The Foundation Board of Directors is responsible for raising, stewarding, and allocating funds for programs and projects that meet its mission. Its members represent professionals engaged in construction, consulting, design, education, manufacturing, research, and industry standards.

Foundation activities include:

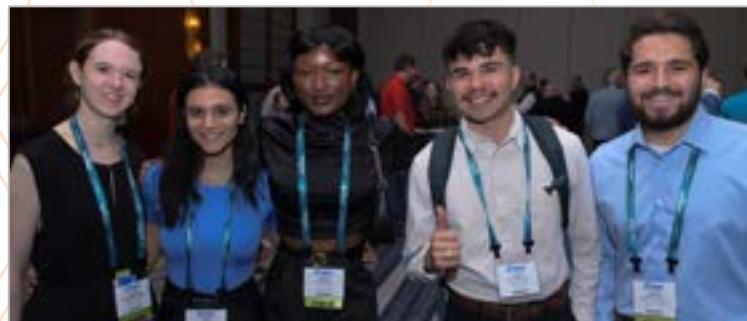
- Funding for the *Wind Uplift on Low Slope Roofs (Fifth Edition)* which highlights significant code changes and new information on tornadoes and hurricanes incorporated because of the new Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-22). The authors are IIBEC

member Stephen L. Patterson, RRC, PE, of Roof Technical Services Inc. and Madan Mehta, PhD, PE, with the University of Texas at Arlington..

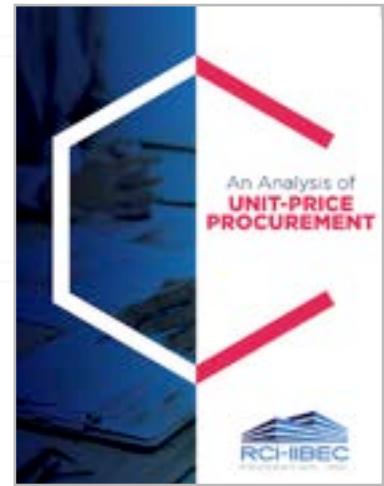
- Funding for *An Analysis of Unit-Price Procurement* conducted by professors Paul Chinowsky of the University of Colorado Boulder and Gordon Kingsley of Georgia Tech.
- Supporting and sending 32 students to the IIBEC International Convention and Trade Show in Phoenix, Arizona. Supporting and sending 25 students to the IIBEC Building Enclosure Symposium in Orlando, Florida. Since 2012, the foundations have supported 298 students to attend IIBEC educational events such as these, and many of these students now have careers in the building enclosure industry.
- In collaboration with the Thin Masonry Consortium and Portland State University, the foundation supported research and testing of adhered masonry during seismic and wind events.
- The foundation, in collaboration with GAF and Simpson Gumpertz & Heger Inc., has provided funding for research at Virginia Tech on thermal bridging via roof fasteners.
- *Roof Drainage (Second Edition)* was funded as an update of the 2003 edition resulting from significant changes in the *International Building Code*, the *International Plumbing Code*, and the methods used for roof design. This book was also authored by Stephen L. Patterson, RRC, PE, of Roof Technical Services Inc. and Madan Mehta, PhD, PE, with the University of Texas at Arlington.
- Established the Robert W. Lyons and RCI Lewis W. Newlan scholarship funds. These needs-based scholarships support undergraduate and graduate students studying engineering, architecture, construction, or building sciences. To date, the foundation has given out \$197,500 to 57 students from the US and Canada.
- The RCI-IIBEC Foundation has teamed up with CARS (Charitable Adult Rides & Services) to offer a vehicle donation program for our supporters. CARS is a nonprofit that helps the foundation accept and process donated vehicles, including cars, trucks, RVs, boats,



Akshayaa Shree Krishnan Muni (right) with her IIBEC host, Sadil Eidda



2024 student convention attendees in Phoenix.



and even airplanes. To learn more about the program go to <https://careeasy.org/nonprofit/rci-iibec-foundation-inc> or call 855-500-7433.

- The RCI-IIBEC Foundation established a charity brokerage account to enable gifts of listed securities. These donations support foundation activities that will advance the building enclosure industry, including research, educational programs, publications, and student scholarships.



THE MISSION

To support research, education, and the dissemination of information for issues important to the building enclosure industry.

To learn more about the many research projects and publications funded by the foundation, visit rci-iibecfoundation.org.

The Foundation Board of Directors is committed to supporting building enclosure research and is continually identifying educational and research areas in roofing, waterproofing, and exterior wall systems. The foundation carefully reviews and awards grants for the development of new and improved data and publication of results. Grant proposals and requests are welcome at any time. Additional information and applications are available on the foundation's website.

The foundation is funded solely by individual and corporate donations. To donate and to be part of the future of our industry, contact Development Officer Rick Gardner at 800-828-1902, 919-859-0742, or rgardner@iibec.org; or mail your donation to RCI-IIBEC Foundation, 434 Fayetteville Street, Suite 2400, Raleigh, NC 27601



RCI FOUNDATION CANADA

The RCI Foundation Canada (RCIF Canada) received its charity status from Revenue Canada in 2010. This entity runs parallel to the RCI-IIBEC Foundation in the United States. The mission of RCIF Canada is to support people pursuing research, advancing their education, and disseminating information on issues related to building practices. For more information on RCIF Canada, to donate, or to request funding, visit rcifoundation.ca. Foundation-funded activities include:

- Funding research for National Research Council of Canada's field testing of an investigation into the ability of the Portable

Wind Uplift Apparatus to determine in-situ roof uplift resistance.

- Funding Canadian students to attend the IIBEC International Convention and Trade Show and Building Enclosure Symposium annually.
- Collaborating with the National Research Council of Canada and the Canadian IIBEC chapters to present the Canadian Virtual Building Science Insight Presentation.
- Providing scholarships for five students to attend the first-ever Canadian Building Envelope Symposium in Mississauga, Ontario.
- Contributing regularly to humanitarian organizations across Canada, including the Salvation Army for its relief efforts during times of natural disasters.

The RCIF Canada is funded solely by individual and corporate donations. To donate, please mail your check to RCI Foundation Canada, c/o Stocking & Cumming, #2-9124 Glover Road, P.O. Box 8 Stn Fort Langley, Langley, British Columbia V1M 2R4 Canada.

FOUNDATIONS



*The RCI-IIBEC Foundation Board (left to right): Front Row: Patrick Banning, Brian Pallasch, Ted Sheridan, Mike Blanchette, David Hawn, Helene Hardy Pierce, Ralph Paroli, Melany Rizzo
Back Row (left to right): Scott Hinesley, Rick Gardner, Lionel van der Walt, Mike DuCharme, Walt Rossiter
(not pictured Sid Hankins, André Desjarlais, Richard Voyer)*

ADDITIONAL INFORMATION

The RCI-IIBEC Foundation is designated as a 501 (C) (3) tax-exempt entity by the IRS. Contributions received from US taxpayers may be tax deductible. Contributions from corporations may be deductible as a business expense. The RCI Foundation Canada is recognized by the Canada Revenue Agency as a registered charity. Contributions received from Canadian taxpayers may be tax deductible. We recommend you consult with your tax advisor if you have questions.

For information on all registered charities in Canada under the Income Tax Act, please visit the Canada Revenue Agency, cra.gc.ca/charities.

WAYS TO SUPPORT THE FOUNDATIONS

First, support the foundation and its work through monetary donations, vehicle, property, or stock donations.

Second, bring the Foundation Board of Directors grant requests, ongoing projects, or ideas for projects that support the foundation's mission of advancing research, education, and knowledge-sharing on issues important to the building enclosure industry.

Third, encourage your network to support and participate in the foundation's programs, such as student scholarships, convention sponsorships, mentoring, Giving Tuesday, and the annual golf outing and auction at the IIBEC International Convention and Trade Show.

ANOTHER OPPORTUNITY TO SUPPORT THE FOUNDATION

The foundation has established a charity brokerage account to facilitate gifts of listed securities and stocks. Additionally, the foundation can now accept vehicle donations as well as trucks, boats, and planes. For more information, please contact the RCI-IIBEC Foundation development officer at rgardner@iibec.org or 919-859-0742.

CONTRIBUTION LEVELS

RCI-IIBEC Foundation and RCI Foundation Canada

Cornerstone Society	\$150,000 or more
Benefactor	\$50,000 - \$149,999
Patron	\$25,000 - \$49,999
Sponsor	\$10,000 - \$24,999
Leader	\$5,000 - \$9,999
Partner	\$1,000 - \$4,999
Supporter	\$500 - \$999
Advocate	\$100 - \$499
Participant	up to \$99

RCI-IIBEC FOUNDATION BOARD OF DIRECTORS

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Dedicated Roof & Hydro-Solutions LLC

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Sidney I. Hankins III, F-IIBEC, RRC, AIA – Treasurer

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IIBEC PRESIDENT'S AWARD

The IIBEC President's Award is presented to those who have made a significant contribution to IIBEC's mission in the past year.

Burt Carver, RRC, RRO (2024)



MICHAEL DEFRANCESCO OUTSTANDING VOLUNTEER AWARD

Awarded to the volunteer whose contribution over the course of the past year(s) stands above the rest.

Lyle D. Hogan, F-IIBEC, RRC, PE (2003)
William Rubel, F-IIBEC, RRC (2004)
William Cypher, F-IIBEC, RRC (2005)
Kamran Farahmandpour, F-IIBEC, RRC, RWC, PE, CCS (2006)
Olan H. Lewis (2007)
John D. Shepherd, RRC, PE (2008)
Donald Bush Sr., F-IIBEC, RRC (2009)
Alan Spaite, PE, CCPM (2010)
Dale Purvis, RRC, RRO, CDT, LEED AP (2011)
William Waterston, RRC, AIA (2012)
Brian Gardiner, F-IIBEC, RRC, CCS (2013)
Russell A. Raymond, RRC, REWC, RRO, CDT (2014)
Stephen H. Alberico, AIA (2015)
Katharine Spavins (2016)
Jonathan Cannon, RRC, RRO, CDT (2017)
Jerry Abendroth, RBEC, RRC, RWC, REWC, RRO, CDT (2018)
Brian R. "Rick" Craig, F-IIBEC, RRC, RRO (2019)
Kenrick J. Hartman, RRC, RWC, REWC, RBEC, PE, LEED AP BD+C (2020)
Paul Buccellato, F-IIBEC, RWC, REWC, FASTM, AIA (2021)
April L. McKelvey, RRC, RRO (2022)
André Coppin, RRC, RRO (2023)
Stephen Baxter, RRC, RRO (2024)



JOE F. HALE LIFETIME ACHIEVEMENT AWARD

Renamed for its first recipient, Joe F. Hale, in 2022, the Lifetime Achievement Award was presented for the first time in 2011 and is awarded to those individuals who have provided a lifetime of extraordinary service and contributions to the success of the International Institute of Building Enclosure Consultants.

Joe F. Hale, F-IIBEC, H-RRC (2011)
Lyle D. Hogan, RRC, F-IIBEC, PE (2014)
Richard "Dick" Fricklas (2014)
Robert "Bob" Lyons, F-IIBEC (2016)
Michael D. Blanchette, F-IIBEC, RRC, RRO (2017)
David R. Hawn, F-IIBEC, RRC, CEM (2018)
Philip D. Dregger, F-IIBEC, RRC, PE (2019)
Gerard "Jerry" Teitsma, F-IIBEC, RRC, RRO, CCCA (2019)

Richard "Dick" Canon, F-IIBEC, RRC, PE (2020)
Walter J. Rossiter Jr., PhD, F-IIBEC, RRC, AIA (2020)
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Warren French, F-IIBEC, RBEC, PE (2021)
William Waterston, F-IIBEC, RRC, AIA (2023)
Johann "John" Willers, F-IIBEC, RRC, PE (2024)

EMERGING PROFESSIONALS AWARD OF EXCELLENCE

Awarded to an individual under 40 or within the first 10 years of their career who has shown exceptional leadership, professionalism, and/or industry contribution in the profession of building enclosure consulting.

Jeffrey C. Garrison, RRC, RWC, PE, CCCA, CEI (2014)
Jonathan Cannon, RRC, RRO, CDT (2015)
Szymon Zienkiewicz, RRC, RRO, PE (2016)
Kenrick Hartman, RBEC, RRC, RWC, REWC, PE, LEED AP BD+C (2017)
Jennifer S. Hogan, RRC, LEED AP, CPHC (2018)

Julie E. McDonald, REWC, RRC, CIT (2019)
Jordan E. Crump, RRO, REWO (2020)
Stephanie Robinson, BASc (2021)
Charles T. Sietmann, RRO, REWO, CCCA, CIT (2022)
Anthony K. Dukes, RRC, RRO, PE (2023)
Justin Bell, RBEC, RRC, RWC, REWC, RRO, REWO, CDT (2024)



WILLIAM C. CORRELL EXEMPLARY SERVICE AWARD

The William C. Correll Award honors IIBEC pioneer and first executive director William C. Correll Sr., F-IIBEC, AIA. In 2023, the award criteria was modified, and moving forward the award will be presented to an IIBEC staff member who has demonstrated a high degree of professionalism, leadership, ethics, and unselfish dedication or significant contribution to the growth and recognition of IIBEC.

Justin Henshell, FAIA, FASTM (2008)
Richard Fricklas (2009)
Kristen Ammerman (2014)
Lyle D. Hogan, F-IIBEC, RRC, PE (2014)
Warren R. French, F-IIBEC, RBEC, PE (2015)
Albert Duwyn, F-IIBEC, RRC (2017)
Patrick L. Downey, F-IIBEC, RRC, CCCA (2018)

Micki Kamszik (2018)
Brian Gardiner, F-IIBEC, RRC, CCS (2019)
Richard Wagner, RRC, CCS (2019)
Karen McElroy (2020)
Brian "Rick" Craig, F-IIBEC, RRC, RRO (2020)
David Balistreri, RRC (2022)
Betty Quan (2024)



RICHARD M. HOROWITZ AWARD

Awarded for the best technical article published in *IIBEC Interface* within the previous year.

- Colin Murphy, F-IIBEC, RRC (1996)
- Lyle D. Hogan, F-IIBEC, RRC, PE (1997)
- Charles "Chuck" Marvin, RRC (1998)
- Gerard J. Teitsma, F-IIBEC, RRC, RRO, CCCA (1999)
- Robert Haddock (2000)
- Steven Murray (2001)
- William A. Kirn, RRC (2002)
- Raymond L. Corbin & Lyle D. Hogan, F-IIBEC, RRC, PE (2003)
- Donald Kilpatrick (2004)
- Kamran Farahmandpour, RRC, RWC, PE, CCS (2005)
- Joseph L. "Cris" Crissinger, CCS, CCCA (2006)
- Karl Schaack, RRC, PE (2007)
- Joseph L. "Cris" Crissinger, CCS, CCCA (2008)
- Matthew C. Farmer, PE (2009)
- Lyle D. Hogan, F-IIBEC, RRC, PE (2010)
- David Campbell, RWC, AIA (2011)
- Justin Henshell, FAIA, FASTM, & Paul Buccellato, RWC, FASTM, AIA (2012)
- Sarah Flock, AIA, & Garth Hall, AIA (2013)
- Scott Wood (2014)
- Karl Schaack, RRC, PE (2015)
- Rick Ziegler, RRO, PE; & Clark Denson, PE, CEM, BEMP (2016)
- Patrick J. Conway (2017)
- Kip Gatto, PE, SE, & Grace Wong, PE, RA, LEED AP BD+C (2018)
- Todd Skopic, CDT, LEED AP (2019)
- Mary Arntzen, PE (2020)
- Derek McCowan, PE (2020)
- Appupillai Baskaran, PhD, F-IIBEC, PEng (2021)
- Sudhakar Molletti (2021)
- Violet LaBrosse, AIA, & Jason Wilen, RRO, AIA, CDT (2022)
- Corey Wowk, AIA, LEED AP (2023)
- Leonidia Garbis, PE, LEED Green Associate (2023)
- Paul Buccellato, F-IIBEC, RWC, REWC, FASTM, AIA (2024)



JOSHUA J. SUMMERS OUTSTANDING EDUCATOR AWARD

Presented to IIBEC members in recognition for exemplary service to IIBEC education on an institute and/or chapter level.

- Alan Spaite, PE (2013)
- Kamran Farahmandpour, F-IIBEC, RBEC, RRC, RWC, REWC, PE, CCS, CCCA (2013)
- Raymond C. Wetherholt, F-IIBEC, RBEC, RRC, RWC, REWC, PE (2013)
- Robert D. Card, F-IIBEC, RBEC, RRC, RWC, REWC, REWO (2013)
- Gerard "Jerry" Teitsma, F-IIBEC, RRC, RRO, CCCA (2013)
- Richard L. Cook Jr., F-IIBEC, RBEC, RRC, RWC, REWC, REWO, RRO, CCS, LEED, CSRP, SC ACEM (2013)
- Richard "Dick" Fricklas, F-IIBEC (2013)
- Raymond Ramos, RRC, PE (2017)
- D. Keith K. Davis, RBEC (2017)
- Patrick L. Downey, F-IIBEC, RRC, CCCA (2017)
- Brian Gardiner, F-IIBEC, CCS (2017)
- Charles L. Smith Jr. (2017)
- Joshua J. Summers, REWC, SE, PE (2017)
- Paul Buccellato, F-IIBEC, RWC, REWC, FASTM, AIA (2018)
- Edwin L. Williams Jr., RRC (2018)
- Jerry Abendroth, RBEC, RRO, CDT (2020)
- Emily Lorenz, PE (2021)



HERBERT BUSCHING MEMORIAL AWARD

In 1994, the IIBEC Executive Committee established the Dr. Herbert Busching Award after the late Clemson University professor and engineer. Busching was a dedicated early member of IIBEC and the first chairman of the IIBEC Board of Regents. It is awarded to individuals who have contributed to the research, standards, and education of the roofing, waterproofing, and/or exterior wall industries.

- William C. Correll, F-IIBEC, AIA (1994)
- Richard Canon, F-IIBEC, PE, RRC (1996)
- Colin Murphy, F-IIBEC, RRC (1998)
- Michael Blanchette, F-IIBEC, RRC, RRO (2000)
- Joe Hale, F-IIBEC (2001)
- Donald E. Bush Sr., F-IIBEC, RRC (2004)
- Gerard Teitsma, F-IIBEC, RRC, RRO, CCCA (2009)
- Appupillai "Bas" Baskaran, PhD, F-IIBEC, PEng (2014)
- André Desjarlais, FASTM (2014)
- Walter Rossiter, PhD, F-IIBEC (2014)
- Wanda Edwards, PE (2017)
- Elizabeth J. Grant, PhD, RA (2021)
- Kamran Farahmandpour, F-IIBEC, RBEC, RRC, RWC, REWC, PE, CCS, CCCA (2022)
- Paul Buccellato, F-IIBEC, RWC, REWC, FASTM, AIA (2022)
- Emily Lorenz, PE (2023)
- Doug Stieve, RRC, AIA (2023)
- Michael L. Goolsby, RRC, CDT, LEED BD+C CBO (2023)

IIBEC HONOREES



IIBEC JURY OF FELLOWS

The designation of "Fellow" is an honorary title bestowed upon individuals who have demonstrated meritorious service. IIBEC, strengthened by its officers and volunteers, has recognized certain persons in this manner (see Article 17 of IIBEC's bylaws). Recipients of the "Fellow" designation (F-IIBEC) to date are the following:

William C. Correll, AIA (1986)	Kamran Farahmandpour, RRC, RWC, REWC, PE, CCS (2010)
Robert W. Lyons (1986)	David R. Hawn, RRC, CEM (2010)
Dr. Herbert W. Busching, PE (1987)	William Rubel, RRC (2010)
Richard P. Canon, RRC, PE (1987)	Robert Elsdon, RRO (2011)
Robert Phillips Jr., RRC (1988)	Richard L. Cook Jr., RBEC, RRC, RWC, REWC, CCS, CSRP (2012)
D.B. "Ben" Hales, RRC (1989)	Arthur "Chip" Ward, RRC (2013)
George F. Kanz, RRC (1990)	Raymond C. Wetherholt, RBEC, RRC, RWC, REWC (2013)
Richard M. Horowitz, AIA, RRC (1990)	Edward L. Arnold, RRC, RWC (2014)
James E. Magowan, RRC (1991)	Richard "Dick" Fricklas (2014)
Donald E. Bush Sr., RRC (1992)	Thomas M. Gernetzke, RBEC, RRC, RWC, REWC (2014)
Joe F. Hale (1992)	Dennis J. McNeil, RRC, RRO, CCS (2014)
Barry S. Krum (1993)	Brian Gardiner, RRC, CCS (2015)
Robert Martin, RRC (1993)	Sidney I. Hankins III, RRC, AIA (2015)
Sam Huff, RRC (1994)	Brian R. "Rick" Craig, RRC, RRO (2016)
Lyle D. Hogan, RRC, PE (1994)	Samir Ibrahim, AIA (2016)
John L. Willers, RRC, PE (1995)	Jean-Guy Levaque, RRC, RRO (2016)
Arthur O. Sark, RRC (1996)	Robért J. Hinojosa, RBEC, RRC, RWC, REWC, RRO, PE, CDT (2017)
Dave H. Siple, RRC (1996)	Gerard J. Teitsma, RRC, RRO, CCCA (2017)
Phil Dregger, RRC, PE (1997)	Michael L. Williams, RRC, RWC, RRO (2018)
Robb Smith, RRC, RRO (1998)	Paul Buccellato, RWC, REWC, FASTM, AIA (2018)
Michael Blanchette, RRC, RRO (1999)	Michael E. Clark, RBEC, RRO, PE, CSRP, CxA+BE, BECxP (2019)
William Cypher, RRC (1999)	Appupillai "Bas" Baskaran, PhD, PEng (2020)
Matt Hitlin (2000)	Robert D. Card, RBEC, RRC, RWC, REWC, REWO (2020)
James "J.P." Sheahan, RRC (2000)	Walter J. Rossiter Jr., PhD, F-IIBEC (2020)
Colin Murphy, RRC (2001)	Scott Hinesley, RRC, PE (2021)
George Criel, RRC (2002)	Derek Hodgin, F-IIBEC, RBEC, RRO, PE, CDT (2021)
Warren R. French, RRC, PE, CCS (2002)	Edward Sheridan, RBEC, RRC, REWC, RWC, PEng (2022)
Michael DeFrancesco, RRC (2003)	Karl Schaack, RRC, PE (2022)
Albert Duwyn, RRC (2003)	William Waterston, RRC, AIA (2023)
W. Nelson Hall, RRC (2004)	Chris Giffin, RRC, AIA (2023)
Luther C. Mock, RRC (2005)	Amy Peevey, REWC, RRO, PE, CDT (2024)
Helene Hardy Pierce (2005)	Marc Caputo, RRC, LEED AP (2024)
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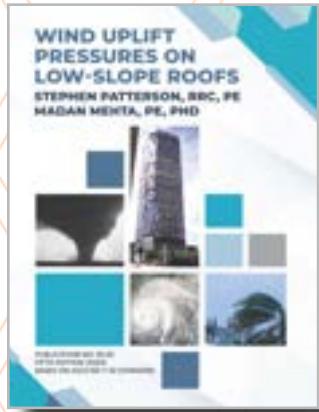
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NEW EDITION: Wind Uplift Pressures on Low-Slope Roofs (Revised 2024)

Authors: Stephen L. Patterson, RRC, PE; and Madan Mehta, PE, PhD



The most significant wind-related revision in ASCE 7-22 is the addition of an entirely new chapter (Chapter 32) that deals with tornado winds. Until the publication of ASCE 7-22 Standard (i.e., up to ASCE 7-16 Standard), tornado winds were not considered for the design of buildings and other structures except for critical structures, such as the nuclear facilities, or tornado shelters. Several years of research on tornadoes and the data collected therefrom, have revealed that the number of fatalities and the property losses from tornadoes far exceed those from hurricanes and earthquakes combined.

ASCE 7-22 Standard takes the above revelation into account and requires that Risk Category III and IV facilities in the tornado-prone region of the continental United States (the entire area lying east of the Rocky Mountains) be designed to resist winds from tornadoes in addition to those from hurricanes and windstorms. Because this revision in the Standard, and its (almost certain) adoption by the 2024 *International Building Code*, will impact the design of roof assemblies

going forward, a new chapter (Chapter 6) on tornado wind pressures has been added in this (fifth) edition of the monograph. A brief discussion of other wind-related revisions in ASCE 7-22 Standard applicable to low-slope roofs is given in Section 1.7 and elaborated in the relevant chapters.

This popular publication deserves to be a part of your personal library if you deal with roofing and building enclosure design and/or their forensics.

Perfect-bound: 182 pages.

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A collection of all Horowitz Award-winning articles, representing the best technical article each year in IIBEC Interface, from 1995 through 2022. Plus, four articles covering the history of IIBEC decade by decade, and photos from IIBEC's 40th Anniversary celebration during the 2023 IIBEC International Convention and Trade Show.

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Proceedings: 2023 Building Enclosure Symposium



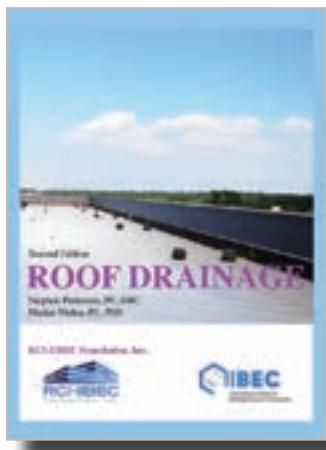
This collection presents nine articles from the 2023 Building Enclosure Symposium in Orlando, Florida in a full-color, perfect bound, print-on-demand book.

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Roof Drainage, Second Edition

Authors: Stephen L. Patterson, RRC, PE; and Madan Mehta, PhD, PE



According to Patterson and Dr. Mehta, "In this edition, we are responding to an unprecedented change in roof drainage design from what has been used for more than a half century. Until recently, the plumbing codes assumed that the flow through a roof drain is the same as the flow through a vertical leader of the same diameter. Several investigations and roof-collapse forensics have shown that our assumption has been incorrect."

"This monograph has been written as a textbook to serve all three disciplines—architecture, plumbing engineering, and structural engineering. We have learned a great deal since the 2003 publication and have incorporated it into this book."

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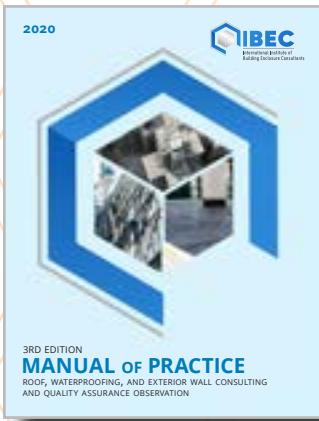
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IIBEC Manual of Practice — Roofing, Waterproofing, and Exterior Wall Consulting and Quality Assurance Observation



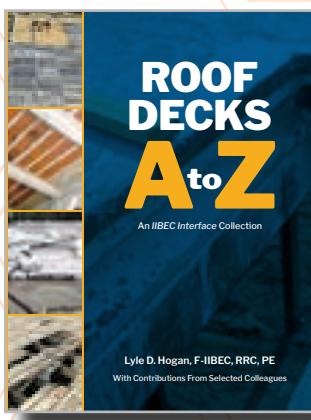
The 3rd edition of the *IIBEC Manual of Practice (MOP)* provides a peer-reviewed structure for the practice of consulting in the construction of the building enclosure. In simple terms, it describes what a professional consultant does and how the consultant does it. It is recognized that consultants may utilize professional judgment as the basis for modifying the procedures presented in this manual.

With over 300 pages of information, photos, graphics, and fillable forms, the *MOP* provides recommended best practices in all areas of building enclosure consulting, including specialized areas such as commissioning, testing, and expert witness services. New topics include drone use for roof and facade examinations, electronic leak detection for locating breaches in membranes, and whole-building air leakage testing for determining the airtightness of enclosures. Also included are procedures for construction contract administration, contract administration forms, a complete glossary of industry terms, and standards pertinent to building enclosure consulting.

This volume is a must-have for every building enclosure consultant professional's library. Professionals who follow the practices, principles, and precepts of the *MOP* will provide a valuable service to their clients.

Roof Decks A to Z

Author: Lyle D. Hogan, F-IIBEC, RRC, PE



98 pages, with illustrations and full-color photos.

This publication collects a series of 15 articles discussing various types of roof decking. The chapters are:

- Part I: LWIC and AWC
- Part II: Wood Planks and Precast Concrete Planks
- Part III: Structural Clay Tile and Plywood
- Part IV: Poured Gypsum
- Part V: Precast, Prestressed Concrete Tees
- Part VI: Structural Cement Fiber
- Part VII: Cast-in-Place Structural Concrete
- Part VIII: Precast Lightweight Cementitious Planks
- Part IX: Oriented Strand Board (OSB)
- Part X: Precast Hollow-Core Concrete Planks
- Part XI: Post-Tensioned Concrete
- Part XII: Board Sheathing (i.e., Wood Planks That Are Not Tongue-and-Groove)
- Part XIII: Vintage, Obscure, or Obsolete Systems
- Part XIV: Structural Fiberboard Roof Deck Planks
- Part XV: Haydite and Nailcode

This book collects all 15 articles—published individually in various issues of *IIBEC Interface* between September 2010 and July 2021—into one convenient collection.

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Indicate the classification of membership for which you are applying.

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- QUALITY ASSURANCE OBSERVER** - Quality Assurance members shall be independent quality observers. They shall not be employees or principals of any business entities controlling or directing the application, manufacture, distribution, sales, or marketing of roofing, waterproofing, and/or exterior wall products and services and shall have no conflict of interest as defined in Article 16 of the IIBEC bylaws. Quality Assurance members shall not be eligible to vote or hold office but may serve on committees. **\$395.00**
- FACILITY MANAGER** - Facility Manager members shall be those individuals whose professional responsibilities include management, development, or maintenance of buildings, both public and private. Facility Manager members shall not be eligible to vote or hold office but may serve on committees. **\$235.00**
- ASSOCIATE** - Associate members shall be those individuals who are not actually within the roofing, waterproofing, and/or exterior wall industries, such as educators and employees of business concerns or government agencies, but who share an interest in the activities of IIBEC. Associate members shall not be eligible to vote or hold office, but they may serve on committees. **\$395.00**
- STUDENT** - Student members shall be full-time undergraduate or graduate students majoring in a construction-related curriculum in an educational institution. Student members shall not be eligible to vote or hold office, but they may serve on committees. **\$185.00**

The prices above reflect the 2024 schedule. Payable in US funds.

SPECIALTIES

Please check only those services you **individually provide**.* Membership is individually based and nontransferable.

<input type="checkbox"/> A. Roof Consulting	<input type="checkbox"/> E. Witness/Legal Involvement	<input type="checkbox"/> I. Education	<input type="checkbox"/> M. Residential
<input type="checkbox"/> B. Waterproofing Consulting	<input type="checkbox"/> F. Contracting	<input type="checkbox"/> J. Specifying	<input type="checkbox"/> N. Inspections
<input type="checkbox"/> C. Exterior Wall Consulting	<input type="checkbox"/> G. Manufacturing	<input type="checkbox"/> K. Student	<input type="checkbox"/> O. Building Enclosure Commissioning
<input type="checkbox"/> D. Materials Testing	<input type="checkbox"/> H. Materials Sales	<input type="checkbox"/> L. Property Management	

*IIBEC is not responsible for verification of services listed by a member.

By payment of membership dues with IIBEC, the individual understands and acknowledges that they will abide by the IIBEC Code of Ethics; failure to do so may subject them to disciplinary proceedings and sanctions.

PAYMENT METHOD

<input type="checkbox"/> Visa	<input type="checkbox"/> MC	Card #: _____	
<input type="checkbox"/> AmEx	<input type="checkbox"/> Discover	Expiration Date: _____	
<input type="checkbox"/> Check (Made payable to IIBEC)		3- or 4-Digit Verification Value Code: _____	Signature: _____

Return with payment to: IIBEC, 434 Fayetteville Street, Suite 2400, Raleigh, NC 27601 • Phone: 919-859-0742



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Our commitment to safeguarding what's precious is unwavering.

Whether it's covering the buildings that preserve the nation's artifacts or upholding the integrity of architectural wonders like the Space Needle, we set the ultimate standard of protection.





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Raleigh, NC 27601**

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