



2020 - 2021

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# The Guide

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An Overview of IIBEC Services





THERE'S A REASON PIGS DON'T FLY.

There are a lot of *myths*,  
but one single source for the *truth*.

That *truth* is in ...

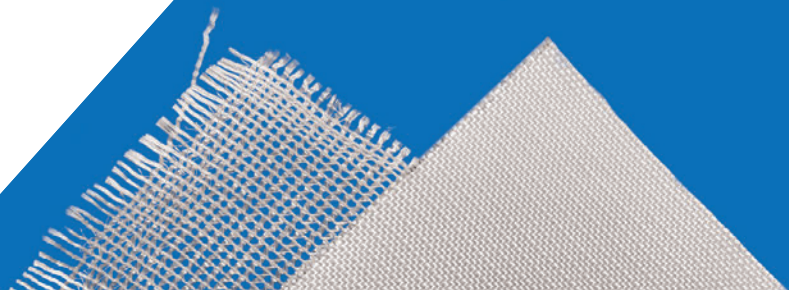
The strength of our fiber reinforcement.

The history of our formula.

The longevity of our performance.



SEE IT TO BELIEVE IT.



Their idea of Fiber

Our idea of Fiber

See through the myths at [FiberTite.com/Truth](http://FiberTite.com/Truth).



# ABOUT IIBEC



The International Institute of Building Enclosure Consultants (IIBEC, pronounced *eye-bee*) is an international nonprofit association of professionals who specialize in roofing, waterproofing, and exterior wall specification and design. From sprayed polyurethane foam to cedar shakes, 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 IIBEC 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 general roofing 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 3,600. IIBEC boasts an international constituency residing across the United States, Canada, Mexico, South America, the Middle East, Europe, and Asia.

The association presents educational programs designed to demystify and explain the practical application of roofing and waterproofing technology and sound building enclosure theory. A monthly technical journal (*IIBEC Interface*); periodic articles on our online newsfeed; and ongoing international, regional, chapter, and branch events provide interactive forums for information exchange and networking.

The Registered Roof Consultant (RRC®), Registered Waterproofing Consultant (RWC®), Registered Exterior Wall Consultant (REWC®), Registered Roof Observer (RRO®), and Registered Exterior Wall Observer (REWO®) programs distinguish professionals with proven standards of education, experience, and ethics. Individuals with all three consultant registrations/designations (RRC®, RWC®, and REWC®) may apply to be a Registered Building Enclosure Consultant (RBEC®). The Certified Building Enclosure Commissioning Provider (CBECxP®) is a new ISO 17024-accredited certification offered by IIBEC.

The RCI-IIBEC Foundation (U.S.) 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 the International Institute of Building Enclosure Consultants is realized 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 the professional path of 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, including individual members' contact information, please visit the association's website at [iibec.org](http://iibec.org) or contact IIBEC headquarters at 919-859-0742 or 800-828-1902.

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

**For more information and  
up-to-date news on the  
association, please visit:**

**[iibec.org](http://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 Envelope 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.

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# STRATEGIC PLAN



April 2020

## Purpose

To advance the profession of building enclosure (roofing, waterproofing, and exterior wall) consultants.

## Values

- Ethical, independent, and unbiased practice
- Pursuit and exchange of knowledge
- Promote sustainability and resilience
- Commitment to the industry

## Advocate for consultant members at all levels of government.

- Increase influence on federal, state, provincial, and local public policy.
- Help shape codes and standards.
- Expand influence in the building industry.
- Increase the relevance and value of IIBEC's policy positions.

## Empower members to achieve and sustain business and industry success.

- Provide educational offerings related to roofing, waterproofing, exterior walls, and building enclosure commissioning.
- Supply relevant building enclosure industry data.
- Increase access to IIBEC education products.
- Increase educational offerings to obtain and maintain registrations.

## Engage and attract emerging professionals in the building enclosure industry.

- Increase the number of members under 40.
- Create member benefits for emerging professionals.
- Bridge the gap between higher education and the building enclosure industry.

## Vision

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

## Be the primary technical, educational, and networking resource of the building enclosure industry.

- Increase exposure and usage of IIBEC resources.
- Enhance and expand IIBEC member resources.
- Grow IIBEC's brand awareness.
- Promote the use and value of consultant members.

## Lead the industry in building enclosure consulting registrations and certifications.

- Increase the number of registrants, focusing on exterior walls and waterproofing.
- Develop a CBECxP certification program.
- Increase knowledge of IIBEC registrations and certifications to the industry.
- Maintain registrations with the most current industry standards.

## Expand chapter success and effectiveness for members and local communities.

- Promote and grow the value and brand of IIBEC.
- Increase involvement of chapter leaders.
- Enhance the relationship between IIBEC and chapters.
- Increase effectiveness of chapters in influencing local public policy issues.

## Members and registrants uphold the IIBEC Code of Ethics.

- Sustain awareness and enforcement of the IIBEC Code of Ethics.
- Promote value of members and registrants by showcasing the IIBEC Code of Ethics as a core value.

**iibec.org | 800-828-1902**

# EXECUTIVE COMMITTEE

## PRESIDENT

**Scott M. Hinesley, RRC, PE**



Mr. Hinesley is president of REI Engineers, Inc., an engineering firm with eight offices located throughout the eastern U.S. He is a past president of the Carolinas Chapter, a past member of the *IIBEC Interface* Editorial Board, and of the IIBEC Ethics Committee. He also serves on the executive committee of the NC Chapter of the American Council of Engineering Companies (ACEC/NC).

### **REI ENGINEERS, INC.**

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P: 704-596-0331  
shinesley@reiengineers.com

## 1ST VICE PRESIDENT

**Edward A. Sheridan, RBEC, RRC,  
REWC, RWC, PEng**



Mr. Sheridan is president of Fishburn Sheridan & Associates Ltd., which he and Doug Fishburn opened in 2001 in Ottawa (and which now has four offices in Ontario and Québec). He was Region VII director from 2014-17 and has been an instructor at various IIBEC seminars. He has been on numerous IIBEC exam development committees.

### **FISHBURN SHERIDAN & ASSOCIATES LTD.**

300-150 Katimavik Rd. • Ottawa, ON K2L 2N2 Canada  
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ted@fsaeng.com



## 2ND VICE PRESIDENT

**Christopher Giffin, RRC, AIA, NCARB**



Mr. Giffin is a past president of the Georgia Chapter of IIBEC, was director of Region II from 2017-19, and has been chair of IIBEC's Document Competition Committee. He is a principal with Wiss, Janney, Elstner, for which he has worked since 1988. He holds a bachelor's degree in architecture from the University of Illinois.

**WISS, JANNEY, ELSTNER ASSOCIATES, INC.**

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## SECRETARY/TREASURER

**Amy Peevey, REWC, RRO, PE, CDT**



Ms. Peevey is a past president of the Gulf Coast Chapter of IIBEC, was Building Envelope Symposium Committee chair from 2015-18, and has been a featured speaker at IIBEC conventions and symposia. She is a director with DeSimone Consulting Engineers within the forensics and building enclosure practices. She holds a bachelor's degree in architectural engineering from the University of Texas at Austin.

**DeSIMONE CONSULTING ENGINEERS**

708 Main St., Fl. 10 • Houston, TX 77002  
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## IMMEDIATE PAST PRESIDENT

**Robert Card, RBEC, RRC, RWC, REWC, REWO**



Mr. Card is a senior consultant and principal of Wetherholt and Associates, Inc. He is a founding member of the Puget Sound and Portland Chapters of IIBEC and has been a regular presenter of IIBEC educational courses around the country. He also assisted with revision of the RWC exam and chaired the REWO Exam Development Subcommittee.

**WETHERHOLT AND ASSOCIATES, INC.**

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bob@wetherholt.com

## EXECUTIVE VICE PRESIDENT & CEO

**Brian T. Pallasch, CAE**



Mr. Pallasch joined IIBEC 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. Prior to that, he was Director of Government Relations for the American Subcontractors Association.

**IIBEC**

1500 Sunday Drive, Suite 204 • Raleigh, NC 27607  
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# REGION DIRECTORS

## REGION I

**Michael Violette, RRC, PE**



**2017 - 2021**

### **VIOLETTE ENGINEERING**

104 Hearthstone Court • Dillsburg, PA 17019

P: 717-461-5651

violette.engineering@gmail.com

Mr. Violette established Violette Engineering in 2014 after 23 years with Gardner James Engineering and Wiss, Janney, Elstner. He has been active on IIBEC's Building Enclosure Symposium Committee and its Annual Convention Committee, and is a past president, vice president, and secretary of the Mid-Atlantic Chapter of IIBEC.

## REGION II

**Christian Dawkins, PE**



**2019 - 2021**

### **BEECH CONSULTING, INC. and ENGINEERED SOLUTIONS INTL., LLC**

3883 Rogers Bridge Rd., Ste. 401A • Duluth, GA 30097-2809

P: 770-476-2362

chris.dawkins@beechconsulting.com

Mr. Dawkins is a past president of the Georgia Chapter of IIBEC. He has practiced as a building consultant and consulting engineer since 1993, after 12 years with the U.S. Navy Civil Engineer Corps.

## REGION III

**Gene Keeton, CxA+BE, BECxP**



**2017 - 2021**

### **KDENT, INC.**

PO Box 929 • Monett, MO 65708

P: 417-235-3432 • F: 417-235-6232

gene@kdent.com

Mr. Keeton founded KDENT, Inc. in 2000. He has spent 30 years in all phases of curtainwall, storefront, window, and door design, erection, and testing, as well as 20 years in building enclosure consulting. Keeton possesses certifications in commissioning and is the founding chair of the BEC Ozark Regional Chapter.

## REGION IV

**Neal Johnson, RRO, AIA**



**2018 - 2022**

### **NEAL JOHNSON, LLC**

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Mr. Johnson has over 35 years of experience as a practicing architect. He holds a bachelor of science degree in architecture from the University of Louisiana at Lafayette. He is the founding chair of the Louisiana Branch of IIBEC, has presented numerous IIBEC courses, and is a past chair of the IIBEC Ethics Committee.



## REGION V

**Szymon Zienkiewicz, RRC, RRO, PE**



Mr. Zienkiewicz co-founded Larsen Zienkiewicz, Inc. in 2015. He has been a member of the Emerging Professionals Committee and the Chapter Development Committee of IIBEC and has been active in the SoCal Chapter, holding the offices of president and chair of the chapter's Hawaii Winter Workshop Committee.

**LARSEN ZIENKIEWICZ, INC.**

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## REGION VI

**Burt Carver, RRC, RRO**



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

**APEX BUILDING SCIENCES INC.**

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## REGION VII

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



Ms. Hogan is a past president of the Ontario Chapter of IIBEC and was the chair of the first Canadian Building Enclosure Symposium put on by IIBEC in 2018. She has been a member of IIBEC task groups and received IIBEC's Emerging Professional Award in 2018.

**PRETIUM ENGINEERING INC.**

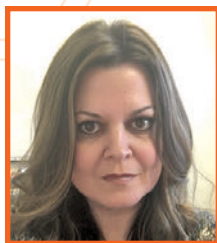
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# IIBEC STAFF



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CHIEF EXECUTIVE OFFICER



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**Tara Cottle**  
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CHAPTER RELATIONS



**Mendy Cunningham**  
ASSISTANT DIRECTOR  
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**Brian Gardiner**  
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FOUNDATIONS  
DEVELOPMENT OFFICER



**Alexander B. Jeffries**  
SR. DIRECTOR OF MEMBERSHIP  
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EVENTS AND MEETINGS  
SPECIALIST



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EDUCATION ADVISOR



**Debbie Wichman**  
REGISTRATIONS AND  
CONTINUING ED SPECIALIST



# COMMITTEES



## EXECUTIVE

Made up of the officers of IIBEC. Acts on overall policy and executive decisions for the association. **Chair:** Scott Hinesley, RRC, PE. Phone: 704-596-0331, Ext. 201. E-mail: [shinesley@reiengineers.com](mailto:shinesley@reiengineers.com).

## ADVOCACY

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## ANNUAL CONVENTION

Oversees selection of technical speakers and other functions of the annual IIBEC convention and trade show. **Chair:** Chris Giffin, RRC, AIA. Phone: 770-923-9822, Ext. 48470. E-mail: [cgiffin@wje.com](mailto:cgiffin@wje.com). **Staff liaisons:** Karen McElroy and Mendy Cunningham. E-mail: [kmcelroy@iibec.org](mailto:kmcelroy@iibec.org) and [mcunningham@iibec.org](mailto:mcunningham@iibec.org).

## DOCUMENT COMPETITION

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## HOROWITZ AWARD

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## BUILDING ENCLOSURE COMMISSIONING (BECX)

Makes recommendations to the board on matters relating to IIBEC's BECx programs, policies, education, and certifications. **Chair:** Michael Clark, F-IIBEC, RBEC, RRO, PE, CSRP. Phone: 478-471-6661. E-mail: [mecanda@mgacoxmail.com](mailto:mecanda@mgacoxmail.com). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## BUILDING ENCLOSURE SYMPOSIA (CANADA)

Coordinates the development and delivery of IIBEC's Canadian Building Enclosure Symposia. **Chair:** Stephanie Robinson. Phone: 613-829-2800. E-mail: [stephanie.robinson@wsp.com](mailto:stephanie.robinson@wsp.com). **Staff liaisons:** Karen McElroy and Mendy Cunningham. E-mail: [kmcelroy@iibec.org](mailto:kmcelroy@iibec.org) and [mcunningham@iibec.org](mailto:mcunningham@iibec.org).

Committees continued on next page



# COMMITTEES CONTINUED

## BUILDING ENCLOSURE SYMPOSIA (U.S.)

Coordinates the development and delivery of IIBEC's Building Enclosure Symposia. **Chair:** Jared B. Lawrence, AIA, CDT. Phone: 513-612-9144. E-mail: [jared.lawrence@terracon.com](mailto:jared.lawrence@terracon.com). **Staff liaisons:** Karen McElroy and Mendy Cunningham. E-mail: [kmcelroy@iibec.org](mailto:kmcelroy@iibec.org) and [mcunningham@iibec.org](mailto:mcunningham@iibec.org).

## BYLAWS

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## CHAPTER DEVELOPMENT

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## CODES AND STANDARDS

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## EDUCATION

Determines the need for and provides educational services to IIBEC members and the industry at large. **Chair:** Jennifer Keegan, AIA. Phone: 973-628-4117. E-mail: [Jennifer.keegan@gaf.com](mailto:Jennifer.keegan@gaf.com). **Staff liaison:** Karen McElroy. E-mail: [kmcelroy@iibec.org](mailto:kmcelroy@iibec.org).

## EMERGING PROFESSIONALS

Oversees the development of programs and services for new and young members. **Chair:** Jordan Crump, RRO, REWO. Phone: 206-379-7395. E-mail: [jordan@truenorthcm.com](mailto:jordan@truenorthcm.com). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## ETHICS

Maintains the professional Code of Ethics. **Chair:** Matthew Durrett, RRO. Phone: 502-794-2739. E-mail: [mdurrett@leak-detection.com](mailto:mdurrett@leak-detection.com). **Staff liaisons:** Brian Pallasch and Melany Elwell. E-mails: [bpallasch@iibec.org](mailto:bpallasch@iibec.org) and [melwell@iibec.org](mailto:melwell@iibec.org).

## IIBEC INTERFACE EDITORIAL BOARD

Supervises publication of *IIBEC Interface*. Critiques and solicits articles and recommends editorial policy. **Chair:** Richard Wagner, RRC, CCS. Phone: 443-540-5801. E-mail: [rick@drhroofsolutions.com](mailto:rick@drhroofsolutions.com). **Staff liaison:** Kris Ammerman. E-mail: [kammerman@iibec.org](mailto:kammerman@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. Phone: 717-245-7393. E-mail: [janial.mack@carlisleccm.com](mailto:janial.mack@carlisleccm.com). **Staff liaisons:** Brian Pallasch and Melany Elwell. E-mails: [bpallasch@iibec.org](mailto:bpallasch@iibec.org) and [melwell@iibec.org](mailto:melwell@iibec.org).

## NOMINATING

Recommends policy on matters related to IIBEC's elections. Makes nominations and oversees and conducts elections. **Chair:** Michael Clark, F-IIBEC, RBEC, RRO, PE, CSRP. Phone: 478-471-6661. E-mail: [mecanda@mgacoxmail.com](mailto:mecanda@mgacoxmail.com). **Staff liaison:** Brian Pallasch. E-mail: [bpallasch@iibec.org](mailto:bpallasch@iibec.org).

### Shop and Help the RCI-IIBEC Foundation

Did you know that every time you use Amazon or order groceries from Whole Foods, you could be making a gift to the RCI-IIBEC Foundation? The RCI-IIBEC Foundation is now on Amazon Smile. When you or your company shop on AmazonSmile ([smile.amazon.com](https://smile.amazon.com/)), the AmazonSmile Foundation donates 0.5% of the price of eligible purchases to the charitable organization selected by its customers.

Here's how it works:

- Go to AmazonSmile at: <https://smile.amazon.com/>.
- Search for and select the "RCI-IIBEC Foundation" as your beneficiary.
- Place your Amazon order.
- Always start your Amazon shopping at [smile.amazon.com](https://smile.amazon.com).

**amazon smile**  
You shop. Amazon gives.





## REGISTRATION

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## REWC® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Exterior Wall Consultant program and examination. **Chair:** Paul Buccellato, F-IIBEC, RWC, REWC, FASTM, AIA. Phone: 732-530-4734. E-mail: [paul.buccellato@verizon.net](mailto:paul.buccellato@verizon.net). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## REWO® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Exterior Wall Observer program and exam. **Chair:** Stephen Hentz, RBEC, RRC, RWC, REWC, REWO, PE, CDT. Phone: 757-581-5574. E-mail: [shentz@reiengineers.com](mailto:shentz@reiengineers.com). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## RRC® EXAM DEVELOPMENT

Monitors, updates, and expands the Registered Roof Consultant program and examination. **Chair:** Gary Hamilton, RRC, RRO, PEng. Phone: 506-652-7003. E-mail: [ghamilton@nbrca.ca](mailto:ghamilton@nbrca.ca). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## RRO® EXAM DEVELOPMENT

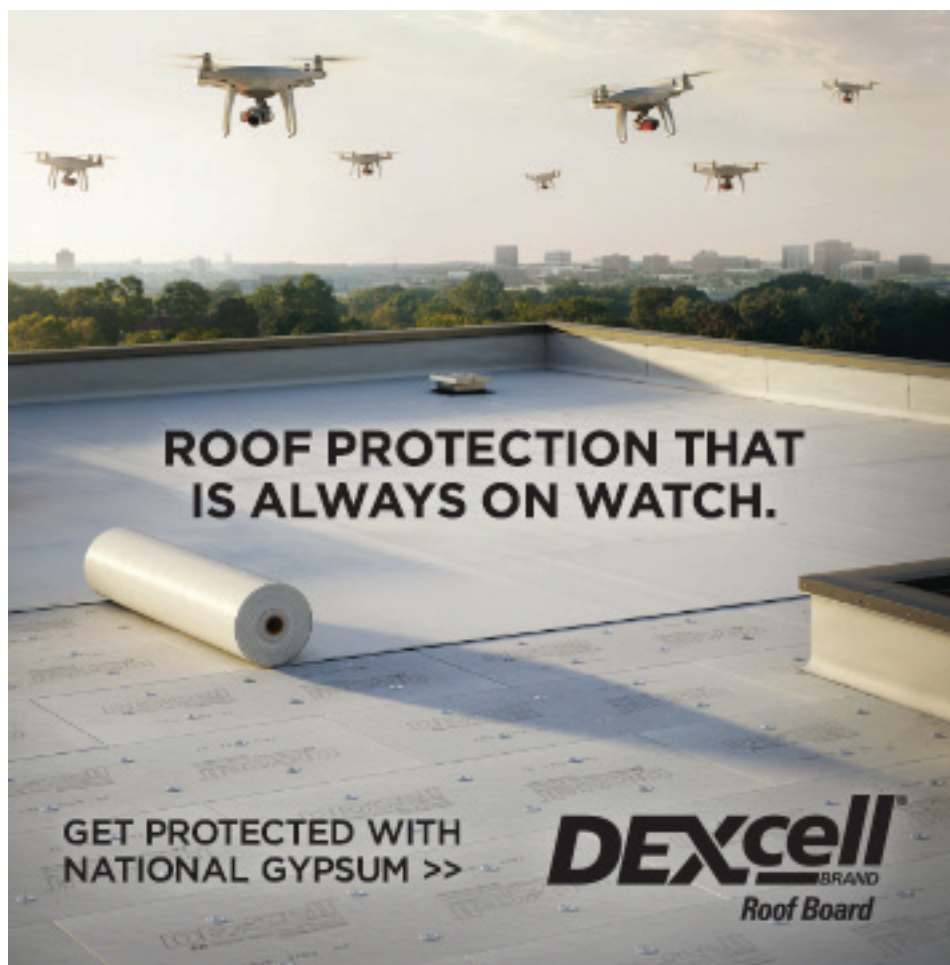
Monitors, updates, and expands the Registered Roof Observer program and examination. **Chair:** William Hobgood III, RBEC, RRC, RWC, REWC, RRO. Phone: 972-991-1144. Email: [bhobgood@arnoldbec.com](mailto:bhobgood@arnoldbec.com). **Staff liaison:** Alec Jeffries. E-mail: [ajeffries@iibec.org](mailto:ajeffries@iibec.org).

## RWC® EXAM DEVELOPMENT

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# IIBEC REGIONS

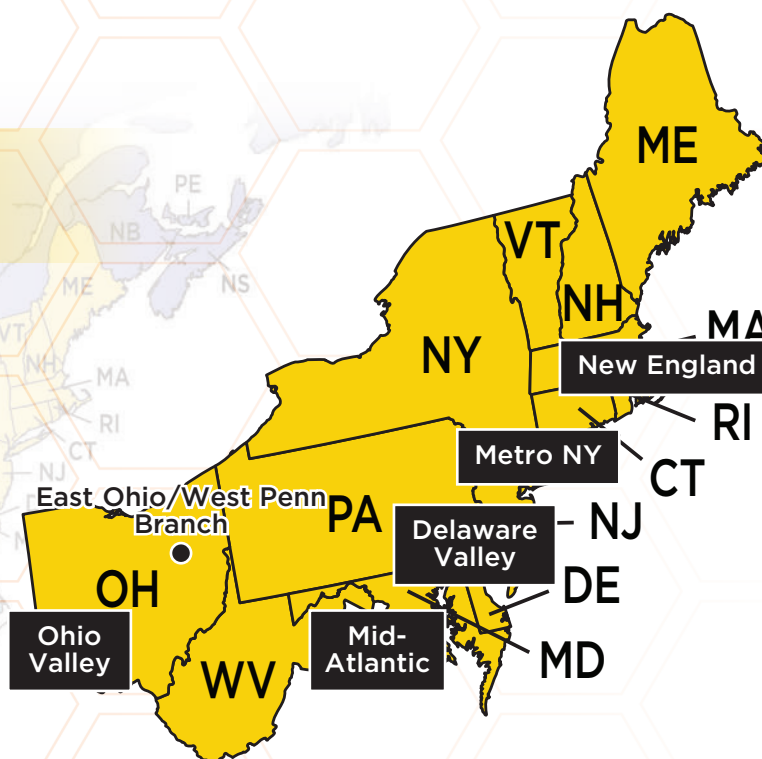




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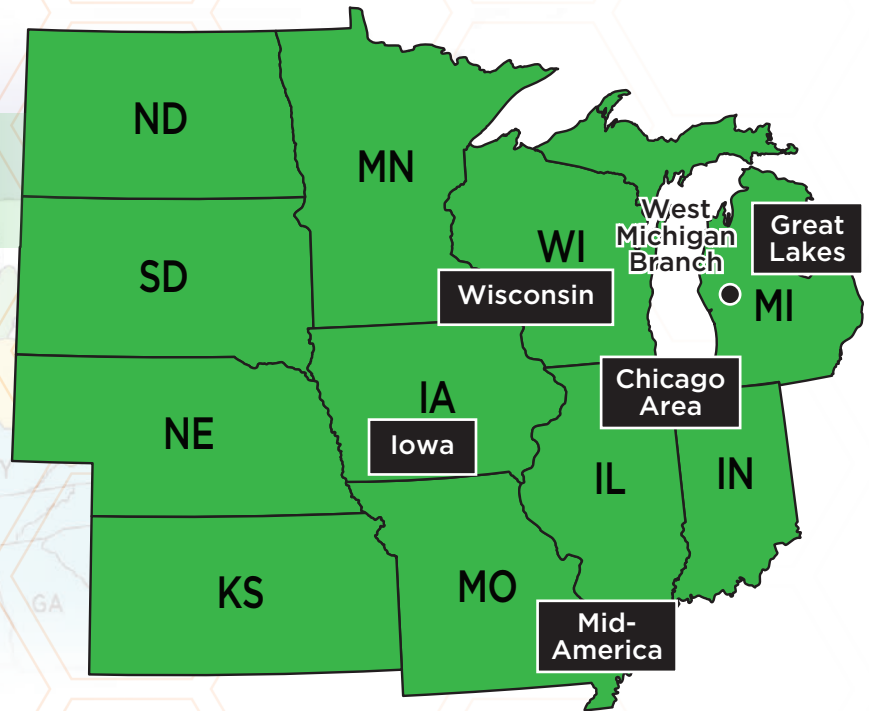




# IIBEC-AFFILIATED CHAPTERS



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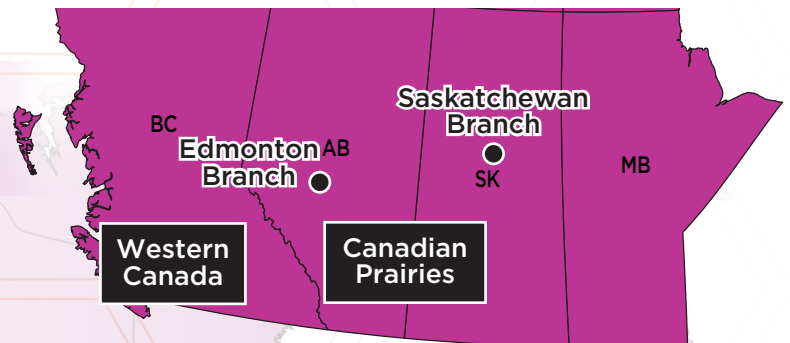
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# IIBEC-AFFILIATED CHAPTERS



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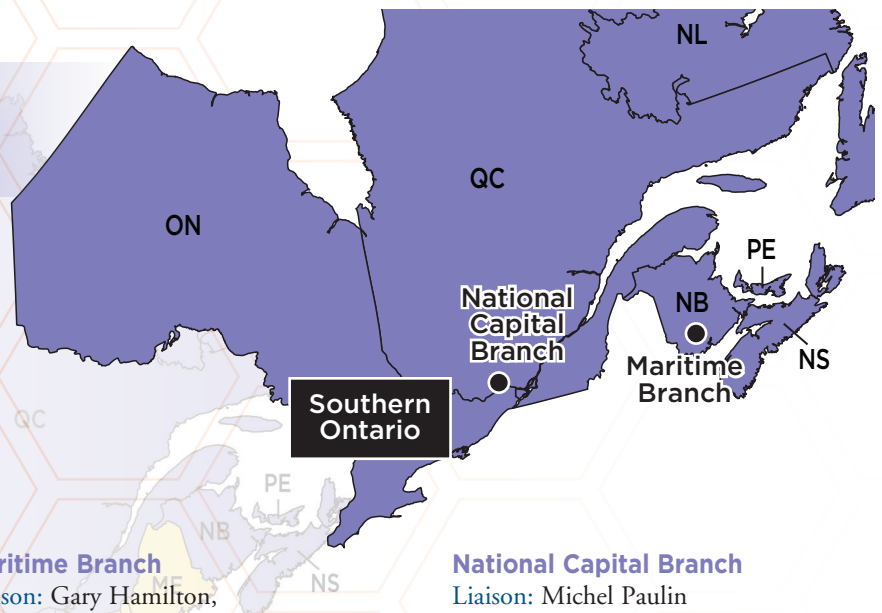
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# MEMBERSHIP BENEFITS



IIBEC is the International Institute of Building Enclosure Consultants. Members specialize in design, investigation, repair, and management of roofing, exterior wall, and waterproofing systems. Whether you are a current member, an aspiring young professional, a student, or looking to add registrations to your title, IIBEC can help you gain the knowledge to keep progressing in your career.

## **Trust and Respect**

Gain respect among clients throughout the industry via education, registrations, and adherence to the IIBEC Code of Ethics.

## **Prestige and Credibility**

Become part of a recognized community with professional registration programs such as Registered Roof Consultant (RRC®), Registered Roof Observer (RRO®), Registered Waterproofing Consultant (RWC®), Registered Exterior Wall Consultant (REWC®), Registered Exterior Wall Observer (REWO®), and Registered Building Envelope Consultant (RBEC®).

## **Network of Peers**

Join the leading open forum for sharing information amongst building enclosure professionals.

## **Influence**

Shape the industry and affect policy through committee work; leadership roles such as chapter, regional, and international board activity; publication in technical journals; and presenting at symposia.

## **Direct Referrals**

Get your name placed on IIBEC's exclusive membership database for online referrals worldwide.

## **Information**

Gain industry knowledge through the *IIBEC Interface* technical journal, online newsfeed articles, technical advisories, targeted emails, and social media.

### **Membership Savings:**

Up to 50% off products and technical publications

15% off attendance at educational programs and region meetings

Up to 40% off RRC, RWC, REWC, RRO, and REWO application and exam fees

More than 20% off registration to the IIBEC International Convention and Trade Show

Up to 25% off exhibit fees at the IIBEC International Convention and Trade Show and Building Enclosure Symposia

# APPLICATION FOR MEMBERSHIP



Name	Informal Name	Credentials (eg., PE)
Company	Date of Birth	
Address	Telephone	
City, State, ZIP	Fax	
Parent Company (if different)	E-mail Address	
IIBEC Member Sponsor (for affiliate membership)	Website Address	
Referred by	Membership ID of Referring Individual	

## CLASSIFICATION

Indicate the classification of membership for which you are applying.

- ☐ **CONSULTANT** - Consultant members shall be those individuals who are practicing consultants, architects, or engineers. 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. Consultant and Consultant Affiliate members shall be eligible to vote, serve on committees, and hold any office of IIBEC. Consultant members may sponsor up to two Consultant Affiliate members. **\$515.00**
- ☐ **CONSULTANT AFFILIATE** - Consultant Affiliate members must meet the same qualifications as Consultant members. They shall be sponsored or hosted by a Consultant member within the same firm as the Affiliate. Affiliate members shall have the same rights and privileges as their sponsoring Consultant members. **\$415.00 (Affiliate MUST list sponsor.)**
- ☐ **INDUSTRY** - Industry members shall be those individuals who are employees or principals of any business entity directing and controlling the application, manufacture, distribution, sales, or marketing of roofing, waterproofing, and/or exterior wall products and services. Industry members shall not be eligible to vote or hold office unless they are Registered Roof Consultants who attained registration prior to March 1, 1995. They may, however, serve on committees. Industry members may sponsor up to two Industry Affiliate members. **\$595.00**
- ☐ **INDUSTRY AFFILIATE** - Industry Affiliate members must meet the same qualifications as Industry members. They shall be sponsored or hosted by an Industry member within the same firm as the Affiliate. Affiliate members shall have the same rights and privileges as their sponsoring Industry members. **\$495.00 (Affiliate MUST list sponsor.)**
- ☐ **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. **\$335.00**
- ☐ **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. **\$180.00**
- ☐ **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. **\$360.00**
- ☐ **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. **\$150.00**

The prices above reflect the 2020 schedule. Payable in U.S. funds.

## SPECIALTIES

Please check only those services you **individually provide**.<sup>\*</sup> 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 |  |

<sup>\*</sup>IIBEC is not responsible for verification of services listed by a member.

I certify that I have read and understand the IIBEC Code of Ethics and hereby agree to abide by its principles. Any breach of these ethics may result in the forfeiture of my membership.

Signature \_\_\_\_\_

## 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, 1500 Sunday Drive, Suite 204, Raleigh, NC 27607 • Phone: 919-859-0742 • Fax: 919-859-1328



# CODE OF ETHICS



## INTERNATIONAL INSTITUTE OF BUILDING ENCLOSURE CONSULTANTS

Adopted July 17, 2001  
Revised March 28, 2006  
Revised September 19, 2015

**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 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.

**General Obligations:** Members and registrants shall maintain and further their knowledge of the science in which they practice, and shall maintain the highest possible standard of professional judgment and conduct. Members and registrants shall conduct their practice honestly and impartially, serving with integrity their clients, employers, and/or the public. Learned and uncompromised professional judgment should take precedence over any other motive.

**Obligation to the Public:** Members and registrants shall uphold the letter and spirit of the ethical standards governing their professional affairs and shall consider the full impact of their actions on the community at large.

### 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. Uphold the letter and spirit of the ethical standards governing their professional affairs, considering the full impact of their actions on the community at large and conducting

*Code of Ethics continued on next page*



# CODE OF ETHICS CONTINUED

themselves in a fashion that brings credit to themselves, their employers, their peers, and their profession; and

3. Recognize the value and contributions of others engaged in all aspects of consultation, design, and construction.

## Rules of Practice

1. Members and registrants shall hold paramount the safety, health, and welfare of the public in the performance of their duties.
  - a. 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, endanger life or property, the member or registrant shall:
    - i. Advise his or her employer and/or client about the decision,
    - ii. Refuse to consent to the decision, and
    - iii. Notify the appropriate building authority charged with the enforcement of the applicable laws or regulations.
  - b. Members or registrants who have knowledge of any alleged violations of this Code shall report them to the appropriate public authorities and IIBEC, and shall cooperate with appropriate public authorities and IIBEC in providing such information as may be applicable.
2. Members and registrants shall not permit the use of their names or firms nor associate in business ventures with any person or firm that they have reason to believe is engaged in fraudulent or dishonest business or professional practices.
3. Members and registrants shall uphold the letter and spirit of the ethical standards governing their professional affairs, consider the full impact of their actions on the community at large, and conduct them-

selves in a fashion that brings credit to themselves, their employers, and their profession by:

- a. Engaging only in accurate, appropriate, and truthful promotion of their practice;
  - b. Being respectful of the rights of others in obtaining work or employment;
  - c. Making only accurate, truthful, and appropriate statements or claims about their qualifications, experiences, or performance;
  - d. Being objective and truthful in reports, statements, testimony, and on social media;
  - e. Preserving the confidentiality of their clients and employers and serving each in a professional and competent manner;
  - f. Exercising unprejudiced and unbiased judgment and conduct when performing all services;
  - g. Undertaking assignments only when qualified by education and experience in the specific technical fields involved;
  - h. Declining any activity or employment, avoiding any financial or other interest, and refusing any contribution if it would reasonably appear that such activity, employment, interest, or contribution could compromise their judgment or conduct or prevent them from serving the best interests of their clients or employers, without making full disclosure to the client and obtaining the client's consent thereto; and
  - i. Neither offering nor making any payment or gift to any public official, private client, or industry representative 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.
4. Members and registrants shall recognize the value and contributions of others engaged in all aspects of consultation, design, and construction. This means they shall:
    - a. 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;
    - b. Encourage professional education and research, as well as the development and dissemination of information related to all aspects of consultation, design, and construction of roofing, waterproofing, and exterior wall systems; and
    - c. Take into account applicable



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laws and regulations and may rely on the advice of other competent and qualified persons as to the intent and meaning of such applicable laws and regulations.

5. Members and registrants shall 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.
6. Members and registrants shall not intentionally or recklessly mislead existing or prospective clients 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 law or the Code.
7. 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 shall file a complaint with the IIBEC Ethics Committee.
8. Members and registrants shall maintain and further their knowledge of the science, principles, and ethics of their profession.
9. Members and registrants shall be scrupulously honest in their control and spending of monies, and promote effective use of resources through open, honest, and impartial service with fidelity to the public, employers, associates, and clients.
10. Members and registrants shall approve or issue only those documents reviewed or prepared under their direct control and supervision that are determined to be safe for public health and welfare, in conformity with accepted industry standards and applicable laws.
11. Certain practices are not in themselves unethical, unprofessional, or contrary to any policy of IIBEC, and IIBEC members and registrants are free to decide for themselves whether to engage in any of these practices, unless in violation of an applicable law. These may include the following:
  - a. Contributing his/her services or anything of value to those endeavors that the member deems worthy;

- b. Participating in the political process and contributing time and money to political campaigns;
- c. Submitting competitive bids or price quotations, including in circumstances where price is the sole or principal consideration in the selection of a consultant;
- d. Providing discounts; or
- e. Providing pro bono services.

### 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 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.

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# REGISTRATION PROGRAMS

Recognizing the need for qualifications and standards in an unregulated industry, IIBEC has developed five highly regarded registration programs. Roof consultants, exterior wall consultants, waterproofing consultants, and quality assurance observers can establish their credentials through the Registered Roof Consultant (RRC®), Registered Waterproofing Consultant (RWC®), Registered Exterior Wall Consultant (REWC®), Registered Roof Observer (RRO®), and Registered Exterior Wall Observer (REWO®) programs. All five 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. Applications may be completed online at [iibec.org/professional-registrations/](http://iibec.org/professional-registrations/). 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 sent a registration form to take the exam. This form is not available on the website.

**The RBEC, RRC, RWC, REWC, RRO, and REWO designations are highly regarded, for they represent the pinnacle of roofing, waterproofing, and exterior wall professionalism.**



Computer-based testing is available to all approved candidates. IIBEC provides the testing company (Scantron) with candidate eligibility information. Candidates are then contacted to schedule their testing sessions at one of the 1,000 conveniently located Scantron testing center locations. Consult [www.scantron.com/test-site-cities/](http://www.scantron.com/test-site-cities/) for a testing site location near you.

Approved applications are valid for two years, and an application extension is required if the applicant does not earn the RRC, RWC, REWC, 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 registration title and will be honored at an awards ceremony during the next annual IIBEC International Convention and Trade Show. A registration card is also provided and will be reissued every year upon renewal.

The Registered Building Enclosure Consultant (RBEC®) designation is awarded to those who have earned the Registered Roof Consultant, Registered Waterproofing Consultant, and Registered Exterior Wall Consultant designations. As it represents all three consultant designations, it may be listed by itself or in combination with the individual consultant designations.

## 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 registration. 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. IIBEC's Professional Building Enclosure Consulting course is recommended for those planning to take the general exam.

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:

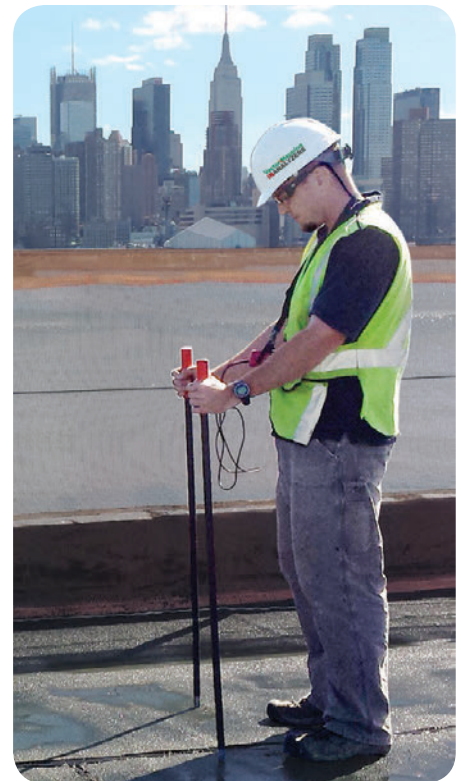
- \$250 for IIBEC members
- \$325 for nonmembers

## 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 educational hours (CEHs) directly related to the roofing, waterproofing, and/or exterior wall industries. Although a total of five character references are required, three must be submitted from registered architects, professional engineers, or RRCs. A satisfactory score on an exam is required after application approval. The RRC exam is offered at hundreds of Scantron's conveniently located testing centers.



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*Registered Roof Consultant Program continued on next page*



# REGISTRATION PROGRAMS

## REGISTERED ROOF CONSULTANT PROGRAM continued

### Fees

The fees for RRC applicants are as follows:

RRC application fee:

- \$350 for IIBEC members • \$425 for nonmembers

RRC examination fee:

- \$250 for IIBEC members • \$325 for nonmembers

### 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

The RRC title must be renewed annually. Currently, renewal requires 12 CEHs in the roofing, waterproofing, and/or exterior wall fields and payment of the \$175 renewal fee (\$250 for nonmembers) to maintain this registration.

It is possible to earn all 12 hours at the annual IIBEC Convention or the IIBEC Building Enclosure Symposium (BES). In addition, a maximum of six hours (50%) beyond the annual requirement may be carried forward and used toward registration renewal for the following year only.

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## 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 two-day Waterproofing course is highly recommended for anyone planning to take the RWC exam. This course is not part of the registration 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 educational hours (CEHs) directly related to the roofing, waterproofing, and/or exterior wall industries. Although a total of five character references are required, three must be submitted from registered architects, professional engineers, RRCs, RWCs, and/or REWCs. A satisfactory score on an exam is required after application approval. The RWC exam is offered in computer-based format at Scantron's conveniently located testing centers.

### Fees

The fees for RWC applicants are as follows:

RWC application fee:

- \$350 for IIBEC members • \$425 for nonmembers

RWC examination fee:

- \$250 for IIBEC members • \$325 for nonmembers

### 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

The RWC title must be renewed annually. Currently, renewal requires 12 CEHs in the roofing, waterproofing, and/or exterior wall fields and payment of the \$175 renewal fee (\$250 for nonmembers) to maintain this registration.

It is possible to earn all 12 hours at the annual IIBEC Convention or IIBEC BES. In addition, a maximum of six hours (50%) beyond the annual requirement may be carried forward and used toward registration renewal for the following year only.



# REGISTRATION PROGRAMS

## 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.

Although a total of five character references are required, three must be submitted from registered architects, professional engineers, RRCs, RWCs, and/or REWCs. A satisfactory score on an exam is required after application approval.

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

### Fees

The fees for REWC applicants are as follows:

REWC application fee:

- \$350 for IIBEC members
- \$425 for nonmembers

REWC examination fee:

- \$250 for IIBEC members
- \$325 for nonmembers

### 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

The REWC title must be renewed annually. Currently, renewal requires 12 CEHs in the roofing, waterproofing, and/or exterior wall fields and payment of the \$175 renewal fee (\$250 for nonmembers) to maintain this registration.

It is possible to earn all 12 hours at the annual IIBEC convention or IIBEC BES. In addition, a maximum of six hours (50%) beyond the annual requirement may be carried forward and used toward registration renewal for the following year only.

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## 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) registrations. 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, which offers a discounted renewal fee.

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 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.
- Demonstrate personal and professional ethical standards by submitting five references, one of which must be a professional engineer, registered architect, IIBEC Consultant member, or RRC.
- 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 as follows:

RRO application fee:

- \$350 for IIBEC members • \$425 for nonmembers

RRO examination fee:

- \$250 for IIBEC members • \$325 for nonmembers

### 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

The RRO title must be renewed annually. Renewal requires ten continuing educational hours (CEHs) in the roofing, waterproofing, and/or exterior wall industries and payment of the \$175 renewal fee (\$250 for nonmembers). Currently, a maximum of five hours (50%) beyond the annual requirement may be carried forward and used toward the registration renewal for the following year only.



# REGISTRATION PROGRAMS

## 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 assure 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 five references, one of which must be from a professional engineer, registered architect, IIBEC Consultant member, RRC, REWC, or RWC.

- 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 as follows:

REWO application fee:

- \$350 for IIBEC members • \$425 for nonmembers

REWO examination fee:

- \$250 for IIBEC members • \$325 for nonmembers

### 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

The REWO title must be renewed annually. Renewal requires ten continuing educational hours (CEHs) in the roofing, waterproofing, and/or exterior wall industries and payment of the \$175 renewal fee (\$250 for nonmembers). Currently, a maximum of five hours (50%) beyond the annual requirement may be carried forward and used toward the registration renewal for the following year only.

# CERTIFICATION PROGRAMS

## CERTIFIED BUILDING ENCLOSURE COMMISSIONING PROVIDER PROGRAM

The Certified Building Enclosure Commissioning Provider (CBECxP®) has been developed by IIBEC in accordance with ISO 17024 accreditation standards. This certification is awarded to individuals who conduct all tasks required to carry out a comprehensive and complete building enclosure commissioning process. The certification is not limited to specific sizes of buildings or certain building use; it applies to building enclosure commissioning of all buildings.

Visit [iibec.org](https://iibec.org) for updates.



# CBECxP<sup>®</sup>

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# EDUCATION PROGRAMS

IIBEC offers a series of educational courses and seminars throughout the year in the U.S. and Canada covering all segments of the building enclosure. Seminar material is continually updated with the latest technology and industry practices. Courses are taught by IIBEC professional staff and field professionals or IIBEC volunteers with years of experience and a wealth of expertise. Courses are available in three formats: as on-site courses at chapter and national levels, delivered by staff, approved instructors, or a combination of both; by online delivery as e-learning courses; or as contract courses.

IIBEC's educational programs have earned an industry-wide reputation for offering top-quality, comprehensive building enclosure education. Designed to provide individuals of differing backgrounds with relevant information about roofing, waterproofing, and building enclosure technology and design issues, IIBEC's educational programs vary in intensity, from basic concepts to advanced specific application principles and theory. Please contact

IIBEC for more information about the contract course option. For online courses, please see registration information under the "Education" tab on IIBEC's website: [iibec.org](http://iibec.org). For course dates and locations, check the Calendar of Events on the website. Manuals are provided for on-site courses and are also available for purchase separately. For online courses, slides may be printed to create a manual.

Answering the need to establish a standard of qualifications and practice in an unregulated industry, IIBEC has developed a professional registration program (see pages 18-22). Although they are recommended, all courses in this catalog are not intended to be preparatory for registration exams. In the description of each course you will find information indicating whether the course is recommended to be taken when working towards a professional registration. All IIBEC courses are approved for IIBEC continuing education hours (CEHs), American Institute of Architects (AIA) learning units (LUs), and AIA Health, Safety, and Welfare Credit.



## IN-PERSON COURSES

IIBEC is the authoritative voice and resource for roofing, waterproofing, and exterior wall specification and design, and our classroom courses provide individuals of differing backgrounds with relevant and trending topics in the field. Continuing your education and achieving an IIBEC designation is a big step in your career, and we're here to guide you with courses offered every month across the U.S. and Canada. AIA LUs and IIBEC CEHs are offered for each course.



## ONLINE COURSES

We make it easy to stay at the top of your field and keep up with continuing education with our selection of online courses on a variety of trending topics. Courses offered completely online allow professionals to earn continuing education hours from the convenience of your own office or location, and on your schedule. AIA LUs and IIBEC CEHs are offered for our online courses in the same way that they would be obtained at an in-person course.



## CONTRACT COURSES

Contract with us to host a course at your facility and on your schedule. Contract courses are offered to a minimum of 15 people at your location. Save on travel and hotel expenses and get the customized experience for your organization that meets your specific needs. As with all our education courses, AIA LUs and IIBEC CEHs are available. A list of courses available for contract are on the next pages.



## IN-PERSON AND CONTRACT COURSES



8 CEHs • AIA LUs

### Architectural Sheet Metal Flashing Design

Architectural Sheet Metal Flashing Design is a one-day course related to design, assessment, and detailing. Topics covered include material selection, attachment, joinery, expansion joint detailing, fabrication tolerances, drainage assemblies, and penetration flashings. Within sheet metal joinery, the subjects of proper soldering techniques, proper solder repair procedures, as well as application of specific metal joinery types are developed fully. The course will communicate the fundamentals and more advanced topics suitable for architects, engineers, and building enclosure consulting professionals. (Recommended for RRC® • Recommended for RRO®)



8 CEHs • AIA LUs

### Building Enclosure Quality Assurance

Building Enclosure Quality Assurance is a one-day 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 • AIA LUs

### Exterior Concrete Wall Systems

This two-day course is the first specific exterior wall course that builds upon the fundamentals presented in Exterior Walls 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®)



16 CEHs • AIA LUs

### Exterior Wall Quality Assurance

Exterior Wall Quality Assurance is a one-day course for professionals interested in performing observation to assure 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 • AIA LUs

### Exterior Wall Technology and Science

This two-day course provides basic 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 at those already practicing in this area who want to further develop their knowledge in exterior wall technology. (Recommended for REWC®)

# EDUCATION PROGRAMS

## IN-PERSON AND CONTRACT COURSES

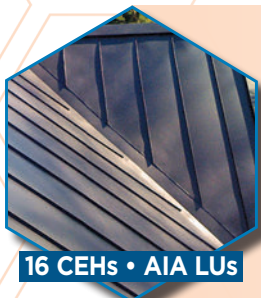


12 CEHs • AIA LUs

### Masonry Wall Systems

This 1.5-day course is the second specific exterior wall course that builds upon the fundamentals presented in Exterior Wall Technology and Science. The purpose of this course is to provide an in-depth understanding of masonry wall systems as they are designed as part of the building enclosure system. Highlights of this program include materials and their properties, masonry accessories, applicable design codes and standards, design and construction requirements, evaluating and repairing masonry wall problems, and maintaining masonry walls.

(Recommended for REWC®)



16 CEHs • AIA LUs

### 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®)



16 CEHs • AIA LUs

### Professional Building Consulting

This two-day course is a classroom extension of the *IIBEC Manual of Practice*. It 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.

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



8 CEHs • AIA LUs

### Roof System Thermal and Moisture Design

Consultants or industry members who want to develop more in-depth thermal and moisture design skills will want to take this course. The content moves quickly beyond basic thermal terminology and calculations to cooling-load calculations, annual energy consumption and payback calculations, cool roofing, and temperature calculations within cross sections. Moisture starts with the psychrometric chart and moist-air properties. Additional topics include vapor retarders, the effects of moisture on insulation, air barriers, and mold issues.

(Recommended for RRC®)



16 CEHs • AIA LUs

### Roof Technology and Science I

This two-day course is a 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. (Recommended for RRC® • Recommended for RRO®)



## IN-PERSON AND CONTRACT COURSES



16 CEHs • AIA LUs

### 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, and wood shakes and shingles; building codes; fire testing/ratings of roofing; and a basic understanding of wind interaction upon roofing. (Recommended for RRC® • Recommended for RRO®)



8 CEHs • AIA LUs

### Rooftop Quality Assurance

Rooftop Quality Assurance is a one-day course for professionals interested in performing observation to help assure that roof installation is consistent with construction documents. The program covers the diverse and challenging aspects of roofing as encountered in the field and is ideal for roofing material manufacturers, general contractors, quality assurance observers, and field inspectors. Course participants will receive objective and detailed information regarding the duties of the roof quality observer. (Recommended for RRO®)



8 CEHs • AIA LUs

### RRC Review and Update

This one-day course is structured for those who have already passed the RRC exam and want a review of skills and to be updated with new information, and those who have the necessary tools to complete the RRC registration exam and desire a quick brush-up on technical topics as a review. 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. Updated information is provided in all areas. (Recommended for RRC®)



12 CEHs • AIA LUs

### Stucco and Exterior Finish Cladding Systems

The Stucco and Exterior Finish Cladding Systems course is a 1.5-day program and is the third specific exterior wall course that builds on the fundamentals presented in Exterior Walls and Science. The purpose of the course is to provide essential information on material properties, design principles, evaluation techniques, and repair methods for stucco and EIFS. Topics covered in this course include sound transmission, thermal bridging, coatings, testing methods, and the various codes and standards impacting stucco and EIFS systems. (Recommended for REWC®)



8 CEHs • AIA LUs

### Vegetative Roofing for the Design Professional

This one-day 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, it discusses the influences of Factory Mutual, ASTM, GRHC, and NRCA publications and guidelines. (Recommended for RRC® • Recommended for RWC® • Recommended for RRO®)

# EDUCATION PROGRAMS

## IN-PERSON AND CONTRACT COURSES



16 CEHs • AIA LUs

### Waterproofing

The two-day 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®)*

## ONLINE COURSES

Access IIBEC's online courses through our online learning portal. Classes can be taken at your convenience and anywhere internet access is available. You have 365 days from the date of registration to complete your course. All IIBEC courses are approved for IIBEC CEHs, AIA LUs, and for the AIA Health, Safety, and Welfare Credit.



4 CEHs • AIA LUs

### Roof Drainage Design

The purpose of this course is to understand the principles of proper roof drainage and to be able to design and size roof drainage devices. The goal is to apply code mandates and industry standards to drain design. Although it is the intention of this course to prepare a student to do engineering calculations, it may not enable a non-licensed professional to do design and engineering work regulated by state licensure laws. *(Recommended for RRC® • Recommended for RWC®)*



4 CEHs • AIA LUs

### Roof System Thermal and Moisture Design

This course is designed for those who design roof systems and for those who need to understand roofing heat transfer and moisture effects on roofing systems. The skills taught in this course are of use to all those involved in roof performance and are necessary skills for the RRC. The principles taught have applicability to walls as well as roofs, but the primary focus is on roof systems. *(Recommended for RRC®)*



4 CEHs • AIA LUs

### Roofing Basics

This course is intended for those wanting to develop a better understanding of roofing materials and terminology. The following systems and concepts are covered in this course: roof decks – concrete, steel, and wood; various rigid board roof insulations; built-up roofing (BUR) materials and installation; modified-bitumen roofing systems; single-ply roofing; and miscellaneous roofing systems including protected membrane roofing (PMR), metal roofing, and spray-in-place polyurethane foam. *(Recommended for Support Staff)*



## ONLINE COURSES



### Roof Technology and Science, Part I

This course is designed for practicing roof consultants, architects, engineers, building owners and managers, and manufacturers' technical personnel who desire to become more knowledgeable about the science and technology of roofing. The course is organized into seven main topics: roof decks and drainage, thermal and moisture design, calculations and materials, bituminous systems, single-ply roofing systems, spray-applied polyurethane roofing systems, and protected membrane roofing systems.

(Recommended for RRC® • Recommended for RRO®)



### Roof Technology and Science, Part II

Roof Technology and Science II is the second step and is a continuation of Roof Technology & Science I, focusing on different topics such as roof design for wind resistance and fire resistance. This course also explores additional roofing systems such as fluid-applied membranes, steep-slope roofing systems, metal roofing, and roof flashing principles. Additionally, the course addresses prolonging the life of roof systems through proper maintenance. (Recommended for RRC® • Recommended for RRO®)



### Rooftop Quality Assurance

This course is designed for those intending to become more professional as rooftop quality assurance observers. Although not a preparation course for taking the Registered Roof Observer (RRO) exam, this course provides useful information for the observer who is studying for this registration.

(Recommended for RRO®)



### Wind Design for Low-Slope Roofs Part I: Understanding ASCE 7-10 Wind Load Calculations

This course is designed for practicing roof consultants, architects, and engineers who want to become more knowledgeable about the major factors that affect designing roofs for wind resistance in order to meet building codes. The focus of this course is on calculations of wind uplift pressures according to ASCE 7 methodology. (Recommended for RRC®)



### Wind Design for Low-Slope Roofs Part II: FM Global Guidelines and Best-Practice Considerations

This course is designed for practicing roof consultants, roofing contractors, architects, and engineers who want to become more knowledgeable about the major factors that affect designing roofs for wind resistance in order to meet insurance requirements and building codes. The focus of this course is on FM Global guidelines and other miscellaneous wind design guides. (Recommended for RRC®)

# BUILDING ENCLOSURE SYMPOSIUM+



## 2020 IIBEC BUILDING ENCLOSURE SYMPOSIUM (BES+)



IIBEC holds a building enclosure symposium (BES) each year in a strategic geographical location. This seminar features presentations on the building enclosure, including below-grade waterproofing, building sealants, deck coverings, exterior insulation and finishing systems, fenestration, maintenance programs, materials testing, membranes, penetrations and flashings, tilt-ups, and water repellents.

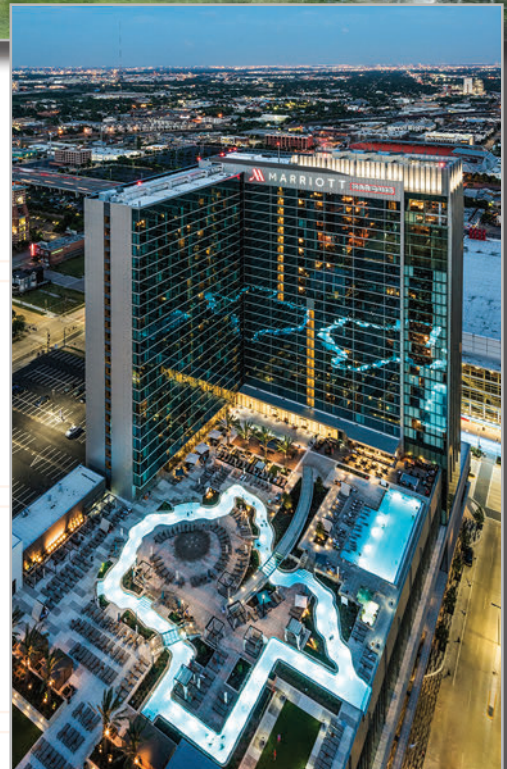
It is designed for building enclosure consultants, architects, engineers, owners, maintenance supervisors, plant engineers, specifiers, and general contractors who desire a general overview of the elements of the building enclosure and how they relate to one another.

This year's event was rescheduled from Florida to Houston, TX, after the COVID-19 pandemic caused reconfiguration of IIBEC's meeting plans.

**NOVEMBER 20-22, 2020**  
**MARRIOTT MARQUIS**  
**HOUSTON, TEXAS**

held at the postponed 2020 International Convention and Trade Show. Check IIBEC's website for more information.

Houston—America's fourth-largest city—is a cosmopolitan destination, filled with world-class dining, arts, shopping, and nightlife, where Southern hospitality meets urban chic city.





# CONVENTION AND TRADE SHOW



## 2021 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;

**MARCH 4-9, 2021**  
**SHERATON PHOENIX**  
**DOWNTOWN AND PHOENIX**  
**CONVENTION CENTER**  
**PHOENIX, ARIZONA**



### CONVENTION HAPPENINGS

Technical Sessions	Product Demonstrations
Trade Show	Optional Sightseeing Tours
Auxiliary Seminars	Golf Tournament
Committee Meetings	Awards Luncheon
Region Meetings	President's Reception and Banquet
Annual Meeting and Election	RCI-IIBEC Foundation(s) Event
Document Competition	

### WHO SHOULD ATTEND

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

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 educational hours (CEHs).

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

Phoenix's lush desert landscapes give way to an inviting and revitalizing city. Hiking trails, iconic sunsets, a vibrant downtown, and award-winning cuisine await you.

Look for more information in upcoming issues of *IIBEC Interface* and online at [iibec.org](http://iibec.org). For additional information about attending the convention or exhibiting in the trade show, contact IIBEC headquarters at 800-828-1902 or 919-859-0742.

## 2020 INTERNATIONAL CONFERENCE ON BUILDING ENVELOPE SYSTEMS AND TECHNOLOGIES (ICBEST)

**AUGUST 31–SEPTEMBER 2, 2020**  
**THE WESTIN BAYSHORE**  
**VANCOUVER, BRITISH COLUMBIA**  
**CANADA**

IIBEC is partnering with the National Research Council of Canada (NRC) to co-host the 2020 International Conference on Building Envelope Systems and Technologies (ICBEST). The 2020 ICBEST conference will take place August 31 – September 2, 2020, in Vancouver, British Columbia, Canada, at the Westin Bayshore Hotel.

ICBEST provides a worldwide forum for the exchange of information and discussion of recent developments in, and applications of, building envelope engineering. ICBEST's scope is to bring together engineers, architects, scientists, and practitioners with a common interest to promote new knowledge and practices of building envelope systems and technologies.

The NRC is the primary national research and technology organization of the government of Canada in science and technology research and development. It is governed by a council of appointees drawn from its client community. The NRC's intent is

to shorten the gap between early-stage research and development and commercialization. The NRC partners with Canadian industry to take research from the lab to the marketplace. It is uniquely placed to partner with Canadian industry to invest in strategic R&D programming that will address critical issues for the future. Each year, its scientists, engineers, and business experts work closely with thousands of Canadian firms, helping them bring new technologies to market to support Canadian businesses.

For more information about this event, please visit [icbest2020.com](http://icbest2020.com).



## Region / Chapter Meetings

IIBEC's regions and chapters have periodic one-day meetings that include substantial educational components. Speakers include experts in various aspects of roofing, waterproofing, and exterior walls, as well as industry representatives explaining their products. Continuing education hours are available for educational programs approved for such by IIBEC's Registration Department. See individual chapter websites (pages 15–20) for up-to-date information, as well as monthly chapter news on IIBEC's Newsfeed at [iibec.org](http://iibec.org).



# PERIODICAL PUBLICATIONS



## interface

The Technical Journal of the International Institute of Building Enclosure Consultants



to highly placed professionals and influential people worldwide; and at trade shows, seminars, and meetings throughout the U.S. and Canada. Additional subscriptions may be purchased online at [iibec.org](http://iibec.org).

The journal's high-quality technical articles are reviewed by a peer committee of professionals who volunteer their time and expertise to the process. 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; to promote IIBEC and its membership; and to connect with all elements of the roofing, waterproofing, and exterior wall industry,

*IIBEC Interface*, the association's technical journal, is published eleven times a year. The journal is full of technical articles, industry events, professional and business development tips, and other information of interest to its readers. In addition to IIBEC's membership, who receive the publication free of charge, *IIBEC Interface* is distributed to industry con-

establishing a common ground for ongoing dialogue.

Advertisements in *IIBEC Interface* are placed on a first-

come, first-served basis. Contact Chris Barnes at [cbarnes@iibec.org](mailto:cbarnes@iibec.org) or 919-859-0742 for additional information.

Adjacent is a schedule of *IIBEC Interface*'s upcoming theme issues. Articles on any topic, however, are encouraged at any time. Project profiles are especially welcome.

For information on how to submit an article or for possible changes in the *IIBEC Interface* schedule, contact Executive Editor Kristen Ammerman at [kammerman@iibec.org](mailto:kammerman@iibec.org) or 919-859-0742.



SUBMISSION	ISSUE THEME*	DEADLINE
September 2020	Raising the Bar in Standards	June 15, 2020
October 2020	The Building Enclosure (catch-all)	July 15, 2020
November 2020	Claddings	August 15, 2020
January 2021	Building Failures	October 15, 2020
February 2021	Unconventional Roofing	November 15, 2020
March 2021	The Building Enclosure (catch-all)	December 15, 2020
April 2021	Wall Assemblies	January 15, 2021
May/June 2021	Convention Issue Review	February 15, 2021
July 2021	Codes & Standards	April 15, 2021
August 2021	Mid-Century Modern Restoration	May 15, 2021
September 2021	The Building Enclosure (catch-all)	June 15, 2021
October 2021	Air Barriers	July 15, 2021
November 2021	Weather	August 15, 2021
December 2021	Waterproofing	September 15, 2021

\*Subject to change without notice

## Digital interface



The Technical Journal of the International Institute of Building Enclosure Consultants



*IIBEC Interface*'s digital presence was launched in December 2016.

An e-mail previewing the print version and including a link to a digital flipbook of the latest issue is sent out monthly. Members can read the journal on their computers or digital devices—even on top of a roof or on a below-grade waterproofing site.

The Digital *IIBEC Interface* may also be accessed at [iibec.org](http://iibec.org). Choose "Publications," hover over "*IIBEC Interface* Technical Journal," and see the option for "*IIBEC Interface* Digital Edition." Scroll down and choose an issue. Once members have signed in for the first time (the member's e-mail is the login, and his or her member number is the password), they can click through the issue. Print, crop, share, search, archive, bookmark, and jump immediately to linked authors and advertisers. Nonmembers may purchase digital issues for \$10 each.



# INFORMATION SERVICES



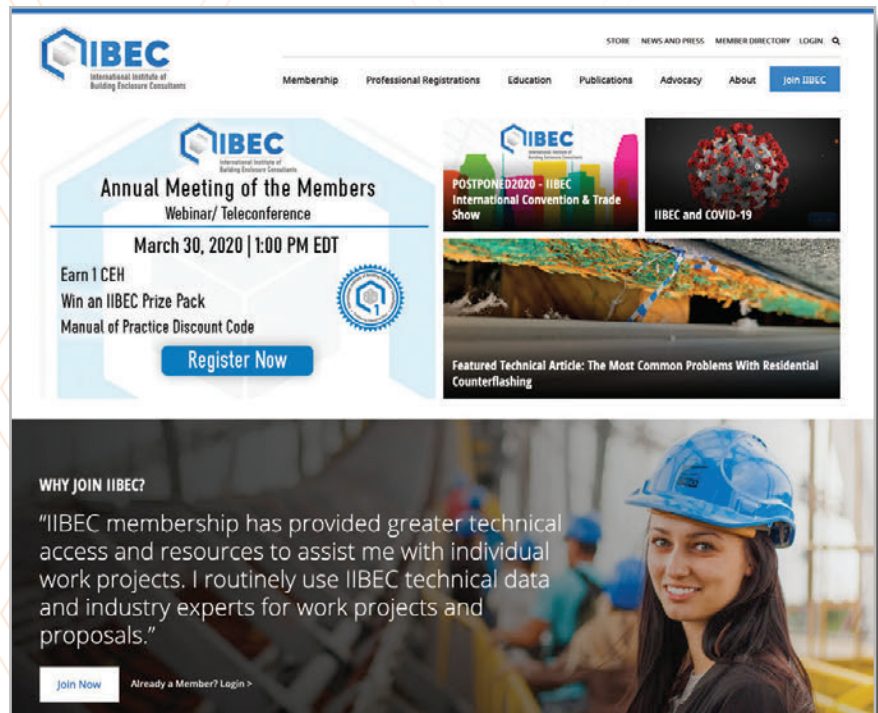
## iibec.org

IIBEC is well known as a valuable source of information for the industry. As a means to that end, the association maintains a website to serve as a vehicle for the distribution of information. The website, [iibec.org](https://iibec.org), provides members with detailed information about benefits, continuing education, and association events.

Additionally, it provides the general public with an understanding of IIBEC's mission and its role within the roofing, waterproofing, and exterior wall consulting industry. Potential clients of professional services can search the online database for IIBEC members in their area or across the globe. The site includes information on the following:

- Member services and how to join
- Registration programs
- Association and industry news
- The IIBEC marketplace
- Calendar of events
- How to contact IIBEC
- Education

Regular visits to the IIBEC website can help members maximize the value of their association with IIBEC. Individuals can sign up for classes and events, download and submit applications to start the process of earning credentials, or submit continuing



educational hours toward a registration.

Archived *IIBEC Interface*, convention, and building enclosure symposium technical articles may also be downloaded free at <https://iibec.org/hub/tech-library/>.

## NEWSFEED, SOCIAL MEDIA, AND E-MAILS

### Newsfeed

The IIBEC Newsfeed offers a continuous smorgasbord of association and industry news. Check out the News and Press link at the top of the page at [iibec.org](https://iibec.org) anytime and read about what's happening to members, IIBEC chapters, and the organization's various committees. Learn about upcoming events, industry news of interest, and how to be more involved with the association. Read the latest *IIBEC Interface* highlight article. Search for specific news topics through the search icon at the top of each page.



### E-mails

IIBEC communicates with its members, the industry, and the media via e-mail, including monthly notices of the digital version of *IIBEC Interface*, as well as periodical press releases and important notices.

### Social Media

IIBEC has greatly expanded its online social media presence. Read about and discuss what's going on in the building enclosure consulting field on IIBEC's official social media pages:

#### Twitter

 [twitter.com/IIBEC2020](https://twitter.com/IIBEC2020)

#### Facebook

 [www.facebook.com/IIBEC2020](https://www.facebook.com/IIBEC2020)

#### Linked In

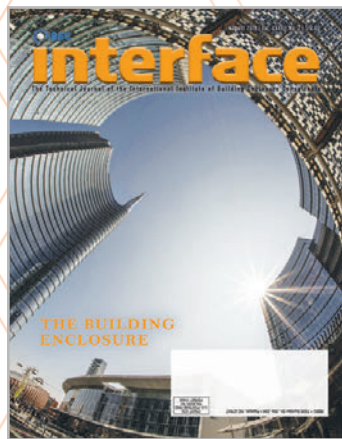
 [www.linkedin.com/company/iibec2020](https://www.linkedin.com/company/iibec2020)



# OPPORTUNITIES FOR MARKETING



IIBEC is a professional association serving the needs of more than 3,600 members from across the globe (primarily in North America). Members of IIBEC make up one of the most influential demographics in the building 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 executives to offer their expertise for specification, design, and quality assurance.

IIBEC members are considered by many to be the industry's elite experts. They purposefully maintain a working knowledge of available technology and

actively seek information regarding new and innovative products.

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

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

## Print-Based Mass Marketing

- *IIBEC Interface* technical journal

## Web-Based Mass Marketing

- IIBEC website banner advertising
- IIBEC Newsfeed banner advertising
- Digital *IIBEC Interface* e-mail 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
- ICBEST
  - Exhibitors
  - Sponsorships
  - Educational proceedings publication advertising
- IIBEC Building Enclosure Symposium+
  - 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



For more information, contact Director of Marketing and Sales Chris Barnes at [cbarnes@iibec.org](mailto:cbarnes@iibec.org) or 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 the Foundation's mission. Its members represent professionals engaged in construction, consulting, design, education, manufacturing, research, and industry standards.

Recent Foundation-funded activities include:

- Funding to update the 2003 *Roof Drainage* monograph. The publication is being authored by IIBEC member Stephen Patterson, RRC, PE, and Madan Mehta, PhD, PE, from the University of Texas – Arlington.
- Providing financial support for 10 students and two professors from the University of Kentucky College of Design to attend the Building Enclosure Symposium in Louisville, KY.
- Funding new research at Virginia Tech on thermal bridging via roof fasteners in collaboration with GAF and Simpson Gumpertz & Hager, Inc.
- Collaborating with the Single-Ply Roofing Industry (SPRI) to research performance of various roof decking materials as moisture content varies,
- Supporting and sending over 152 college students to the IIBEC International Convention and Trade Show. Many of these students now have careers in the building enclosure industry.
- Publishing a revision of *Wind Loads on Low-Slope Roofs*, based on ASCE 7-10 standards.
- Establishing the Robert W. Lyons and Lewis W. Newlan scholarship funds. These needs-based scholarships support undergraduate and graduate students studying engineering, architecture, construction, or building sciences.

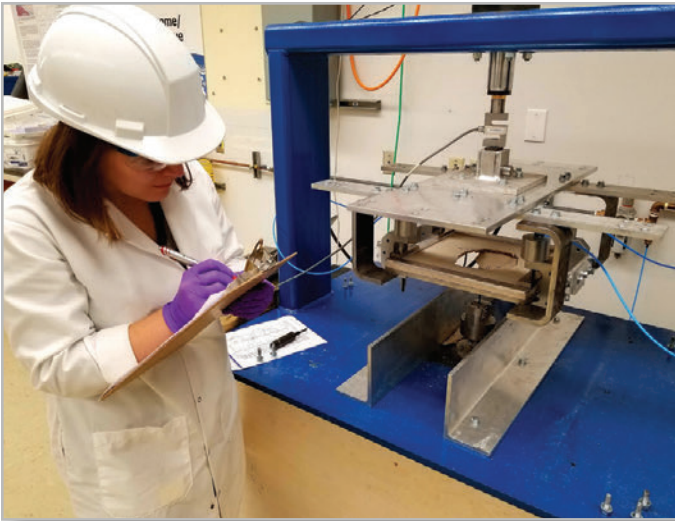


*2019 Foundation student convention sponsorship winners. Left to right, front row: Zacarias “Zac” Neu, The Citadel; Elina Shubin, Algonquin College; Grace Ray, Oregon State University; Jacob Ledwell, University of North Carolina at Charlotte; Tyler Kleinsasser, South Dakota School of Mines; Kyle Nelson, Illinois State University; and Yeo Beom Yoon, North Carolina State University. Second row, same order: Renee Rathbone, Algonquin College; Helena Kim, Drexel; Jordan Shillings, Durham College; Michelle Lee, Virginia Tech; Gates Breeden, Virginia Tech; Rebecca Bish, Virginia Tech; Majid Javed, Rensselaer Polytechnic Institute; and Byeong Mo Seo, North Carolina State University. Top row, same order: Nathan Avery, Algonquin College; Amanda Stuckey, Virginia Tech; Walt Rossiter, RCIF; IIBEC Past President Bob Card; Brandi Wagenhoffer, Virginia Tech; Amanda Bellamy, University of Kentucky; Laura Elliott, Algonquin College; Patrick Maher, Massaoit Community College; and Hany Gaballa, NC State University. Absent when the photo was taken was Chase Shanley of The Citadel.*

To learn more about the many research projects and publications funded by the Foundation, visit <https://rci-iibecfoundation.org/>.

The Board is continually identifying educational and research areas in roofing, waterproofing, and exterior wall systems that require further development. The Foundation carefully reviews and awards grants to support research and publication of results. The Foundation is always open to grant proposal requests.





*The Foundation has been collaborating with SPRI for research on the roofing assembly.*

## THE MISSION

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

The Foundation is funded solely by individual and corporate donations. To make a donation 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](mailto:rgardner@iibec.org); or mail your donation to RCI-IIBEC Foundation, 1500 Sunday Drive, Suite 204, Raleigh, NC 27607.

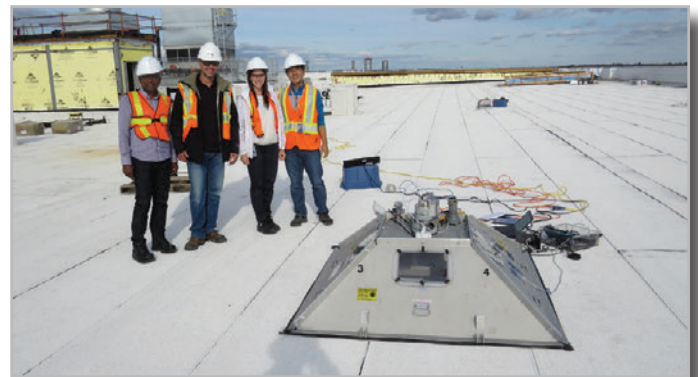


### RCI FOUNDATION CANADA

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 make a donation, or to request funding, visit [www.rcifoundation.ca](http://www.rcifoundation.ca).

Foundation-funded activities include:

- Providing scholarships for five students to attend the first-ever Canadian Building Envelope Symposium in Mississauga, Ontario.
- Funding research for National Research Council of Canada's field testing of an investigation into the ability of the Portable Wind Uplift Apparatus (PWUA) to determine in-situ roof uplift resistance.
- Funding Canadian students to attend the IIBEC



*RCI Foundation Canada funded research for National Research Council of Canada's field testing of an investigation into the ability of the Portable Wind Uplift Apparatus (PWUA) to determine in-situ roof uplift resistance.*

International Convention and Trade Show annually.

- Contributing regularly to humanitarian organizations across Canada, including the Salvation Army for their relief efforts during times of natural disasters.

RCIF Canada is funded solely by individual and corporate donations. To make a donation, 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

## ADDITIONAL INFORMATION

The RCI-IIBEC Foundation is designated as a 501(c)(3) tax-exempt entity by the IRS. Contributions received from U.S. 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, [www.cra.gc.ca/charities](http://www.cra.gc.ca/charities).



*University of Kentucky students sponsored by Foundation funds to attend the 2019 IIBEC Building Enclosure Symposium in Kentucky. Left to right: Current IIBEC President Scott Hinesley, Professor Bruce Swetnam, Alex Bosse, Joe Holliday, Omolade Akinyemiju, Professor Dan Vivian, IIBEC Foundations Development Officer Rick Gardner, Frank Wang, Montreale Jones, Bryson Watson, Alan Hammell, Dylan Brewer, and IIBEC Past President Bob Card. (Not pictured: Mary Kate Schaefer and Afif Alahmad.)*



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## WAYS TO SUPPORT THE FOUNDATIONS

First, support the Foundation and its work through a monetary donation.

Second, bring the 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, the Amazon Smile program (U.S. only), Giving Tuesday, and participation at the annual auction at the IIBEC convention.

## 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



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HDH Associates

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### **Helene Hardy Pierce, F-IIBEC – Secretary**

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*The RCI-IIBEC Foundation, 2019. Front row, left to right: Joe Hale, Bob Elsdon, Marc Allaire; Second row, same order: Helene Hardy Pierce, Albert Duwyn, Mike Blanchette. Third row, same order: IIBEC COO Melany Elwell, Sid Hankins, André Desjarlais. Fourth row, same order: Rick Gardner, Lionel van der Walt, Dave Hawn. Top row, same order: Ralph Paroli, Mike DuCharme. Not present are Brian Pallasch, Walt Rossiter, and Brian Whelan.*

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## RCI FOUNDATION CANADA BOARD OF DIRECTORS

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# IIBEC HONOREES

## LIFETIME ACHIEVEMENT AWARD

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.

The first award was granted in 2011 to **Joe Hale, F-IIBEC**, for his numerous contributions to the success of IIBEC. Hale, a past president of IIBEC and longtime chairman of the RCI-IIBEC Foundation, was called the organization's "visionary and historian."

In 2014, **Lyle Hogan, RRC, F-IIBEC, PE**, was granted the Lifetime Achievement Award for his 22-plus years as technical and senior editor of *IIBEC Interface* magazine.

**Richard "Dick" Fricklas** received the award in 2014 for a lifetime of contributions to the education of roofing professionals.

In 2016, **Robert "Bob" Lyons, F-IIBEC**, was presented the award for his vision, dedication, and drive toward bringing IIBEC into existence.

In 2017, **Michael D. Blanchette, F-IIBEC, RRC, RRO**, was honored for a lifetime of dedication to the support and promotion of IIBEC.

**David R. Hawn, F-IIBEC, RRC, CEM**, was granted the award in 2018 for his tireless voluminous career-long contributions to IIBEC.

In 2019, **Philip D. Dregger, F-IIBEC, RRC, PE**, was honored for his career of contributions to the industry and to IIBEC.

**Gerard "Jerry" Teitsma, F-IIBEC, RRC, RRO, CCCA**, was presented with the award in 2019 for his outstanding educational contributions to the industry.

## RICHARD M. HOROWITZ AWARD



In 1995, IIBEC lost one of its most popular and dedicated members, past president Richard M. "Dick" Horowitz, RRC, F-IIBEC. Horowitz was a driving force behind IIBEC's RRC exam and its technical journal, *IIBEC Interface*. In 1996, IIBEC named an award for the best technical article published in *IIBEC Interface* after its favorite wordsmith. Recipients have been:

**Colin Murphy, RRC, F-IIBEC (1996)**

**Lyle D. Hogan, RRC, F-IIBEC, 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, RRC, F-IIBEC, PE (2003)**

**Donald Kilpatrick (2004)**

## HERBERT BUSCHING 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. Recipients of this award are "people who have contributed to the research, standards, and education of the roofing, waterproofing, and/or exterior wall industries." The award is presented at the discretion of the Jury of Fellows. Recipients have been the following:

**William C. Correll, AIA, F-IIBEC (1994) (D)**

**Richard Canon, PE, RRC, F-IIBEC (1996)**

**Colin Murphy, RRC, F-IIBEC (1998)**

**Michael Blanchette, RRC, RRO, F-IIBEC (2000)**

**Joe Hale, F-IIBEC (2001)**

**Donald E. Bush Sr., RRC, F-IIBEC (2004) (D)**

**Gerard Teitsma, F-IIBEC, RRC, RRO, CCCA (2009)**

**Appupillai "Bas" Baskaran, PhD, PE (2014)**

**André Desjarlais, FASTM (2014)**

**Walter Rossiter (2014)**

**Wanda Edwards, PE (2017)**

**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, RRC, F-IIBEC, 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)**



## MICHAEL DeFRANCESCO AWARD



The Michael DeFrancesco Volunteer of the Year Award was created in honor of the late Michael DeFrancesco, whose enthusiasm, dedication to IIBEC, and general zest for life were an inspiration to all who knew him. Recipients have been the following:

**Lyle D. Hogan, RRC, F-IIBEC, 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., RRC, F-IIBEC (2009) (D)**

**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, RRO, CDT (2018)**

**Brian R. "Rick" Craig, F-IIBEC, RRC, RRO (2019)**

## WILLIAM C. CORRELL AWARD



The William C. Correll Award honors IIBEC pioneer and first executive director, William C. Correll Sr., F-IIBEC, AIA. It is presented at the discretion of the Jury of Fellows to "people who have demonstrated a high degree of professionalism, leadership, ethics, unselfish dedication, or significant contribution to the growth and recognition of IIBEC." Awardees are:

**Justin Henshell, FAIA, FASTM (2008)**

**Richard Fricklas (2009) (D)**

**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)**

## EMERGING PROFESSIONALS AWARD

The Emerging Professionals Award was created in 2014. It is given to a young professional who has shown exceptional leadership, professionalism, and/or industry contribution at an early stage in his or her career in the field of roofing, waterproofing, and exterior wall systems. Recipients have been the following:

**Jeffrey C. Garrison, RRC, RWC, PE, CCCA, CEI (2014)**

**Jonathan Cannon, RRC, RRO, CDT (2015)**

**Szymon Zienkiewicz, RRC, RRO, PE (2016)**

**Kenrick Hartman,  
RRC, RWC, REWC, RBEC, PE, LEED AP BD+C (2017)**

**Jennifer S. Hogan, RRO, LEED AP, CPHC (2018)**

**Julie E. McDonald, REWC, RRC, CIT (2019)**



# IIBEC HONOREES



## JURY OF FELLOWS OF IIBEC

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:

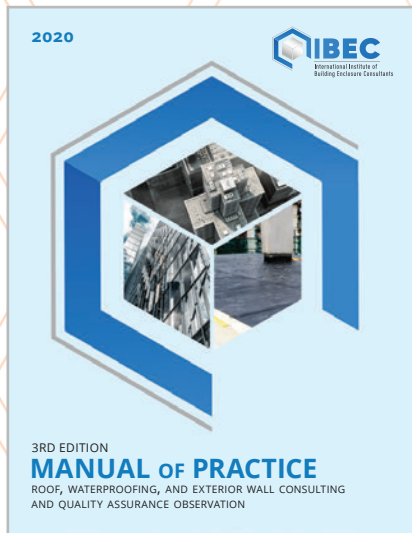
- |   |  |
|---|--|
| <b>William C. Correll, AIA (1986) (D)</b>       | <b>Helene Hardy Pierce (2005)</b>  |
| <b>Robert W. Lyons (1986) (D)</b>               | <b>Thomas Hutchinson, RRC, AIA (2006)</b>                                |
| <b>Dr. Herbert W. Busching, PE (1987) (D)</b>   | <b>Gary R. Cattel, RRC, PE (2007)</b>                                    |
| <b>Richard P. Canon, RRC, PE (1987)</b>         | <b>Patrick L. Downey, RRC, CCCA (2008)</b>                               |
| <b>Robert Phillips Jr., RRC (1988)</b>          | <b>David R. Hawn, RRC, CEM (2010)</b>                                    |
| <b>D.B. “Ben” Hales, RRC (1989) (D)</b>         | <b>William Rubel, RRC (2010)</b>   |
| <b>George F. Kanz, RRC (1990)</b>               | <b>Kamran Farahmandpour,<br/>RBEC, RRC, RWC, REWC, PE, CCS (2010)</b>    |
| <b>Richard M. Horowitz, AIA, RRC (1990) (D)</b> | <b>Robert Elsdon, RRO (2011)</b>   |
| <b>James E. Magowan, RRC (1991) (D)</b>         | <b>Richard L. Cook Jr.,<br/>RBEC, RRC, RWC, REWC, CCS, CSRP (2012)</b>   |
| <b>Donald E. Bush Sr., RRC (1992) (D)</b>       | <b>Arthur “Chip” Ward, RRC (2013)</b>                                    |
| <b>Joe F. Hale (1992)</b>                       | <b>Raymond C. Wetherholt, RBEC, RRC, RWC, REWC (2013)</b>                |
| <b>Barry S. Krum (1993) (D)</b>                 | <b>Edward L. Arnold, RRC, RWC (2014)</b>                                 |
| <b>Robert Martin, RRC (1993)</b>                | <b>Richard “Dick” Fricklas (2014) (D)</b>                                |
| <b>Sam Huff, RRC (1994)</b>                     | <b>Thomas M. Gernetzke, RBEC, RRC, RWC, REWC (2014)</b>                  |
| <b>Lyle Hogan, RRC, PE (1994)</b>               | <b>Dennis J. McNeil, RRC, RRO, CCS (2014)</b>                            |
| <b>John L. Willers, RRC, PE (1995)</b>          | <b>Brian Gardiner, RRC, CCS (2015)</b>                                   |
| <b>Arthur O. Sark, RRC (1996)</b>               | <b>Sidney I. Hankins III, RRC, AIA (2015)</b>                            |
| <b>Dave H. Siple, RRC (1996) (D)</b>            | <b>Brian R. “Rick” Craig, RRC, RRO (2016)</b>                            |
| <b>Phil Dregger, RRC, PE (1997)</b>             | <b>Samir Ibrahim, AIA (2016)</b>   |
| <b>Robb Smith, RRC, RRO (1998)</b>              | <b>Jean-Guy Levaque, RRC, RRO (2016)</b>                                 |
| <b>Michael Blanchette, RRC, RRO (1999)</b>      | <b>Robért J. Hinojosa,<br/>RBEC, RRC, RWC, REWC, RRO, PE, CDT (2017)</b> |
| <b>William Cypher, RRC (1999)</b>               | <b>Gerard J. Teitsma, RRC, RRO, CCCA (2017)</b>                          |
| <b>Matt Hitlin (2000)</b>                       | <b>Michael L. Williams, RRC, RWC, RRO (2018)</b>                         |
| <b>James “J.P.” Sheahan, RRC (2000) (D)</b>     | <b>Paul Buccellato, RWC, REWC, FASTM, AIA (2018)</b>                     |
| <b>Colin Murphy, RRC (2001)</b>                 | <b>Michael E. Clark,<br/>RBEC, RRO, PE, CSRP, CxA+BE, BECxP (2019)</b>   |
| <b>George Criel, RRC (2002)</b>                 | <b>Appupillai “Bas” Baskaran, PhD, PEng (2020)</b>                       |
| <b>Warren R. French, RRC, PE, CCS (2002)</b>    | <b>Robert D. Card, RBEC, REWO (2020)</b>                                 |
| <b>Michael DeFrancesco, RRC (2003) (D)</b>      | <b>Walter J. Rossiter Jr., PhD (2020)</b>                                |
| <b>Albert Duwyn, RRC (2003)</b>                 |  |
| <b>W. Nelson Hall, RRC (2004)</b>               |  |
| <b>Luther C. Mock, RRC (2005)</b>               |  |



# PUBLICATIONS CATALOG



## IIBEC Manual of Practice — Roofing, Waterproofing, 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 are drone use for roof and façade 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.

**IIBEC  
members**

**Electronic Format - \$349.00  
Print - \$449.00**

**Nonmembers**

**Electronic Format - \$399.00  
Print - \$459.00**

### CONTENTS

#### Section 1: Introduction

- 1.1 IIBEC – The Organization
- 1.2 IIBEC – Programs and Activities

#### Section 2: Recommended Practices for Building Enclosure Consulting

- 2.1 General Practices Common to All Building Enclosure Consultants
- 2.2 Complementary Practices Specific to Roof Consulting
- 2.3 Complementary Practices Specific to Waterproofing Consulting
- 2.4 Complementary Practices Specific to Exterior Wall Consulting

#### Section 3: Recommended Practices for Quality Assurance Observation

- 3.1 General Practices Common to All Quality Assurance Observers
- 3.2 Complementary Practices Specific to Roof Observation
- 3.3 Complementary Practices Specific to Waterproofing Observation
- 3.4 Complementary Practices Specific to Exterior Wall Observation

#### Section 4: Specialized Areas of Practice

- 4.1 Expert Witness Services
- 4.2 Insurance Claims Consulting
- 4.3 Design Peer Review
- 4.4 Building Enclosure Commissioning
- 4.5 Drone Use
- 4.6 Value Engineering
- 4.7 Sustainability in Building Enclosure Design
- 4.8 Service to the Industry
- 4.9 Overview of Whole-Building Air Leakage Testing
- 4.10 Electronic Leak Detection

#### Appendices

##### Appendix A

- Part 1. Procedures for Construction Contract Administration
- Part 2. Standard Forms and Construction Contract Administration Documents

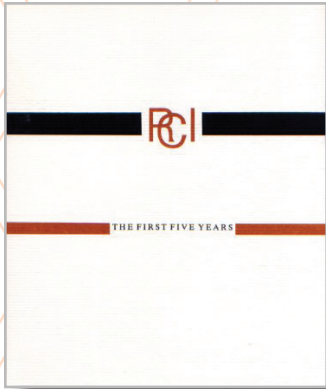
##### Appendix B

- Part 1. Glossary of Building Enclosure Terms
- Part 2. Terminology, Standards, and Glossaries Pertinent to Building Enclosure Consulting and Observation

# PUBLICATIONS CATALOG

## RCI: The First Five Years

**Author:** William C. Correll, AIA, F-IIBEC



*RCI: The First Five Years* details the history of IIBEC (formerly RCI) from its earliest days. Published by the association in 1989, it was written with a chatty, personal flair by IIBEC's first executive director, William C. Correll, AIA, F-IIBEC.

Mr. Correll takes the reader on an historical tour of IIBEC, from the spark of an idea in the mind of Robert W. Lyons in 1979, through the first official IIBEC (then N.A.R.C.S.) organizational meeting in 1981, on to the election of its first officers and the receipt of IIBEC's nonprofit organizational charter from the state of North Carolina in May 1983.

Filled with Correll's observations and amusing anecdotes about the shoestring birth and steady growth of the fledgling association and its founding fathers, the soft-cover booklet includes

photos of early officers and lists of committee chairpersons and regional officers. It chronicles the organization's first board meetings, conventions, and registration examinations, and it reviews the challenges facing the infant association.

The reader will learn many interesting tidbits about IIBEC, such as:

- There were more committees than paid-up IIBEC members in 1983.
- Strictly a volunteer, Correll logged 1,067 hours in 1985 alone for \$0. He did not draw a salary until he had worked as a volunteer for more than three years.
- In 1987, the Board of Directors actually voted to move IIBEC headquarters to Dallas, Texas.

*Softcover: 58 pages.*

IIBEC  
members  
\$25.00

Nonmembers  
\$30.00

## RCI Silver Anniversary Report

**Author:** Gilbert H. Mende



From the genesis of an idea forming in the mind of Robert W. Lyons in 1979 grew an organization that numbered 2,200 members by 2008, when it celebrated the 25th year since its "official" May 1983 birth as the Roof Consultants Institute (now IIBEC).

The *RCI Silver Anniversary Report* is a review—sometimes whimsical, often matter-of-fact—of the reported history

of those 25 years, gleaned primarily from the pages of the association's technical journal, *Interface*, and its now-defunct member newsletters, *RCItems* and *Base Sheet*.

The 82-page booklet is full of a quarter century of happenings in the industry's preeminent roofing, waterproofing, and exterior wall association. Smattered with photographs, historical

landmarks, and years of good intentions—some fulfilled, some not—the book chronicles the birth, adolescence, and coming of age of IIBEC.

*The Report* briefly reviews the first five years covered more thoroughly in William Correll's seminal history of that name (see above), then more broadly covers the ensuing two decades up to 2008.

Longstanding and new members of IIBEC will cherish a copy of this nostalgic gem for their bookshelves. It's sure to become a collector's item.

*Softcover: 82 pages; 80+ photos.*

IIBEC  
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\$25.00

Nonmembers  
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## IIBEC Building Enclosure Symposium and IIBEC Convention Proceedings

Articles and presentations from the industry's top experts on building enclosure technology contributed to the contents of these IIBEC Building Enclosure Symposium and Annual Convention proceedings.



Symposium and convention papers include such topics as deterioration and performance problems and recommended remedial solutions related to wind load, roof decks, materials and products, stone construction, cement, plaster, architectural ter-



ra cotta, waterproofing, moisture detection, and the future of building enclosure design. Each symposium proceedings has approximately one dozen technical articles by expert instructors, reinforcing practical examples of applications in the field. Each convention proceedings has approximately 24 such papers.

Stipulate year. Some years sold out. Starting in 2018/19, only digital versions available.

*Spiral-bound. 2006 through 2018 include a CD with complete PDF. Proceedings digital only in 2018/19.*

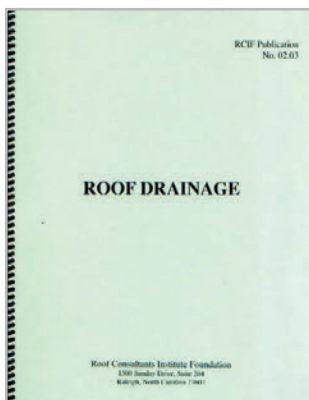


**IIBEC**  
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**\$30.00**

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**\$35.00**

## Roof Drainage

**Authors:** Stephen L. Patterson, RRC, PE; Madan Mehta, PhD, PE; and J. Richard Wagner



Drainage is one of the most important elements of roof design. Water accumulations that are substantially in excess of the structural capacities of roofs are the cause of many roof collapses. This monograph includes an in-depth discussion of various theories of hydraulics as they apply to roof drainage pipes, gutters, and scuppers. It is believed to be the first text that comprehensively compiles various roof drainage

issues that exist in plumbing codes, building codes, and related industry standards.

Chapters include an Introduction to Roof Drainage; Design of Roof Drains, Pipes, and Scuppers; Design and Hydraulics of Gutters and Downspouts; and Hydrology and Roof Drainage.

Numerous graphs, tables, drawings, and photos illustrate the concepts detailed. Specific examples walk the designer through the process of determining proper roof drainage for various rainfall intensities in specific geographies.

*A publication of the RCI Foundation.*

*Spiral-bound: 77 pages.*

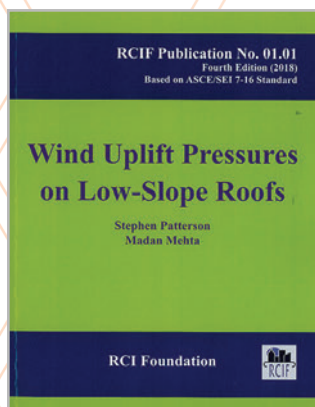
**IIBEC**  
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**\$50.00**

# PUBLICATIONS CATALOG

## Wind Uplift Pressures on Low-Slope Roofs (Revised 2018)

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



The fourth (2018) edition of this monograph is keyed to the latest edition of the ASCE/SEI publication: *Minimum Design Loads and Associated Criteria for Buildings and Other Structures*, commonly known as ASCE 7-16 Standard. It consolidates all provisions of ASCE 7-16 that are applicable to low-slope roofs in a single document with an aim to help in the design of a wind-resistant low-slope roof.

Readers will appreciate the theoretical description of the dynamics of wind flow around buildings and its effect on wind

pressures on low-slope roofs. A step-by-step procedure for determining wind uplift pressures on low-slope roofs, followed by numerical examples of how to use the procedure, provides clarity to theoretical description. Tables have been provided from which wind pressure values can be simply selected without the use of any procedure or calculations.

The update in the monograph was necessitated because of several changes made in ASCE 7-16 from its earlier ASCE 7-10 Standard. The monograph explains a few of the important changes in ASCE 7-16 that impact the design of low-slope roofs:

- A basic wind speed map for Risk Category IV buildings has been added. In ASCE 7-10, Risk Categories III and IV were lumped together, providing one map for both categories. The two categories have been separated in ASCE 7-16.
- Significant changes in basic wind speeds for the continental U.S. and Alaska have been included.
- New effective wind speed maps for the islands of Hawaii have been added.
- A new ground elevation factor that accounts for a location's elevation above sea level has been added.
- A new building enclosure classification has been introduced.
- Roof zones for roof height  $\leq 60$  ft. have been modified substantially.

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: 164 pages.*

**IIBEC members  
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\$50.00**

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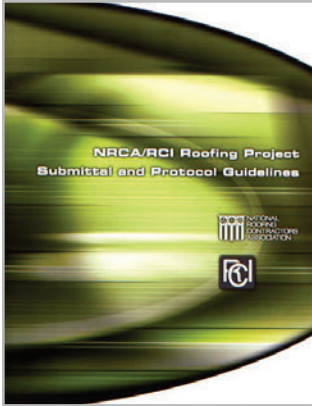
● Tremcoinc.com

● 800.852.6013



## NRCA/RCI Roofing Project Submittal and Protocol Guidelines

**Authors:** RCI, Inc. (now IIBEC) and NRCA



A joint document published cooperatively by RCI, Inc. (now the International Institute of Building Enclosure Consultants, or IIBEC) and the National Roofing Contractors Association (NRCA) in 2004, this publication provides a consensus approach to the roofing project submittal and protocol process. It includes the pre-bid, bidding period,

preconstruction, construction, and closeout phases. The document also designates areas of responsibility among contractors, owners, and specifiers.

*Perfect-bound: 10 pages.*



## Architectural Sheet Metal Quality Assurance Guide

**Authors:** IIBEC and SMACNA



This document was compiled as a joint project by IIBEC (then RCI) and the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) to provide guidance on the evaluation of sheet metal roofing systems and sheet metal components of building enclosure systems, including roofing, exterior walls, waterproofing, and transition flashings. The guidelines included cover these systems during

their initial construction and also during post-construction activities, such as condition assessments and maintenance.

The purpose of the manual is to assist quality assurance observers (QAOs) and owners who have a limited knowledge and

experience in the specifics of architectural sheet metal component installation or evaluation. It also serves as a procedural guide for experienced professionals who review architectural sheet metal systems regularly.

During construction, QAOs can review the sheet metal systems as they are installed to confirm they comply with the project specifications, industry standards, and recognized guidelines for the work being performed.

The publication also includes explanations of the various metals and methods used in roofs and walls, the concept of redundancy, building enclosure fabrication tolerances, and more.

*Softcover: 112 pages.*



# PUBLICATIONS CATALOG

## Architectural Sheet Metal Manual (Seventh Edition)

Author: SMACNA



The Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) has published design recommendations since 1950. This 542-page seventh edition of its Architectural Sheet Metal Manual includes new commentary and drawings throughout. New chapters and appendices cover wall and roof penetrations, interior architectural sheet metal elements, architectural fascia and coping wind test reports, and general guidelines about joint sealants for specifiers.

Many new details have been added in the expanded historical sheet metal restoration chapter. Restoration of skylights, cornices, historical domes, and spires have been expanded upon. Other substantive changes since the sixth edition include the sections on copings, snow guards, zinc, underlayments, and flashings. Results of SMACNA wind pull-off resistance testing on custom-fabricated fascia and coping are included.

Recognizing that roof and wall penetrations are problematic sources for leaks, SMACNA has dedicated a separate chapter to penetrations, complete with new drawings and commentary.

Purchase the hard copy, the CD, or the hard copy/CD combo.

*Softcover: 542 pages and 14 appendices.*

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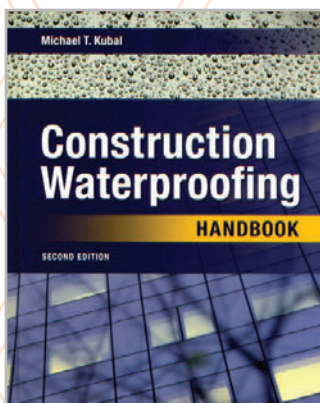
**Print book - \$260.00**

**CD - \$310.00**

**Print book/CD combo - \$420.00**

## Construction Waterproofing Handbook (Second Edition)

Author: Michael T. Kubal



This second edition (2008) of Michael T. Kubal's Construction Waterproofing Handbook is fully updated to include new techniques for mold remediation. It is an all-inclusive, project-simplifying guide for waterproofing and construction professionals. This comprehensive, answer-packed resource is loaded with up-to-date, clearly defined information for every project, including build-

- How to detect and correct existing leakage
- Interior waterproofing applications
- Exterior insulated finish systems (EIFS) watertight applications
- Three hundred added illustrations, details, and photographs
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- Manufacturers who provide electronic detail for plans and specifications

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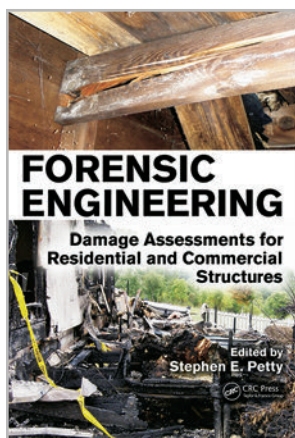
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ing enclosure, below-grade, above-grade, and remedial waterproofing. Get information on materials, maintenance and warranties, sealants, admixtures, expansion joints, testing, leak investigation and detection, safety issues, and more. The book includes the following:



## Forensic Engineering: Damage Assessments for Residential and Commercial Structures

**Editor:** Stephen E. Petty



This comprehensive manual, published in 2013, is packed full of data, charts, and graphs referencing the latest codes and standards. It should provide an excellent reference source for design professionals who venture into this segment of our industry.

Edited by Stephen E. Petty, the tome has chapters by various authors, including Petty; Shaun Gessler; Ronald Lucy, RRC, RRO; George Fells; Patrick Slattery; Herbert Layman; and Thomas Schwartz. Chapters

include subjects such as hail damage, synthetic storm drainage (fraud) to roof surfaces, wind damage, water infiltration, indoor environmental quality, attic and crawl space ventilation, mold,

forensic inspections, fire damage, vehicle impact, tornado damage, insurance appraisal, and expert witnessing. The book details proven investigation methodologies based on more than 7,000 field investigations.

This publication should prove to be a valuable tool in providing assessments of numerous roof systems damaged in a variety of ways. It should not be employed exclusively but, instead, should be used to augment and in conjunction with other reference matter.

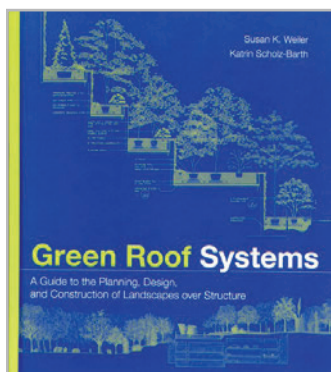
*Hardcover: 790 pages, illustrated in full color.*

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## Green Roof Systems: A Guide to the Planning, Design, and Construction of Landscapes Over Structure

**Authors:** Susan K. Weiler and Katrin Scholz-Barth



*Green Roof Systems: A Guide to the Planning, Design, and Construction of Landscapes Over Structure* is a resource for design teams and construction consultants, covering design and construction considerations for the installation of landscapes over plaza decks, parking structures, below-grade structures, vegetative roofing systems, and other structures.

Coauthor Susan Weiler, ASLA, is a partner at OLIN, a Philadelphia landscape architectural and design firm, and she developed the landscape engineering and construction curriculum at Temple University. Coauthor Katrin Scholz-Barth, a consultant based in Washington, D.C., was formerly director of sustainable design for the HOK Planning Group, and she has taught at Harvard and the University of Pennsylvania. Both authors

received the 2003 Green Roof Award of Excellence for the Montgomery Park project in Baltimore, MD.

For roofing and waterproofing consultants, this book provides perspective from “city scale” to “project scale.” This perspective may be useful for consultants who want to improve their understanding of macro social and political thought driving the consideration of vegetated systems. It does not, however, provide entirely accurate information on the waterproofing and weight-bearing aspects affecting landscapes over structures.

The book is helpful for individuals concerned with choosing the right plants. Anyone involved with vegetated systems is encouraged to read this book and become proactive in the industry to address the misconceptions this book conveys.

*Hardcover: 313 pages; 130 photographs, charts, and diagrams.*

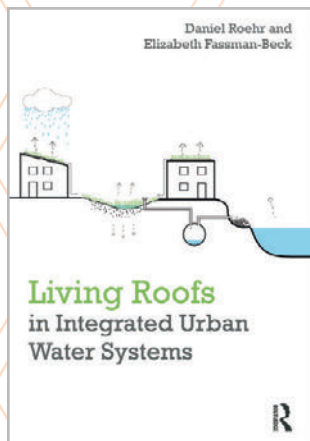
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# PUBLICATIONS CATALOG

## Living Roofs in Integrated Urban Water Systems

**Authors:** Daniel Roehr and Elizabeth Fassman-Beck



With the infrastructure to manage stormwater threats in cities becoming increasingly expensive to build or repair, the design community needs to look at alternative approaches. Living roofs present an opportunity to complement ground-level stormwater control measures, contributing to a holistic, integrated urban water management system.

As more and more cities are becoming interested in controlling stormwater runoff to reduce flooding, and environmentalists are pushing for and getting laws passed requiring vegetative roofs, building enclosure consul-

tants need tools to plan and design vegetative roofs.

This book offers such tools in the context of effectively mitigating stormwater. Quantitative tools for engineering calculations and qualitative discussion of potential influences and interactions of the design team and assembly elements are addressed.

Extensive lists of references that can be explored are provided, as well as useful checklists for designers and a glossary of terms related to living roofs.

Five case studies of living roof installations are included.

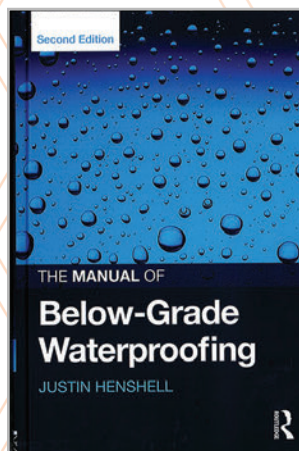
*Hardcover: 178 pages.*

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## The Manual of Below-Grade Waterproofing (Second Edition, 2016)

**Author:** Justin Henshell



Justin Henshell's book, *The Manual of Below-Grade Waterproofing*, is a well-written manual on the various types of waterproofing systems, their advantages and disadvantages, and methods of installation.

The 2016 revised edition provides the education and product information to enable building designers to take a sound, fundamental approach to below-grade and plaza waterproofing. This essential resource has been thoroughly updated

and expanded to include the knowledge, products, and processes that have been introduced in the 16 years since publication of the first edition.

New chapters cover basement construction, blindside waterproofing, and remediating basement leaks. The plaza waterproofing chapter has been considerably expanded. The specifications chapter has been revised to accommodate CSI's new seven-digit format.

Building designers specify waterproofing systems and materials that are often based on limited and biased manufacturers' literature or past experience with systems that work under specific conditions but will fail in other installations. Leakage usually leads to litigation. This book provides the tools to prevent that.

The manual covers the considerable distinctions between waterproofing roofs and plazas and below-grade surfaces, the critical procedures for protecting waterproofing materials during construction, diagnosing leaks, and detailing waterproofing components. It explains how to weigh positive- vs. negative-side waterproofing systems, and dampproofing vs. waterproofing. Coordinating with all the professionals in the waterproofing delivery chain, following environmental protection and other government regulations, and the pros and cons of every material are comprehensively covered.

*Hardcover: 294 pages; hundreds of sketches and photographs.*

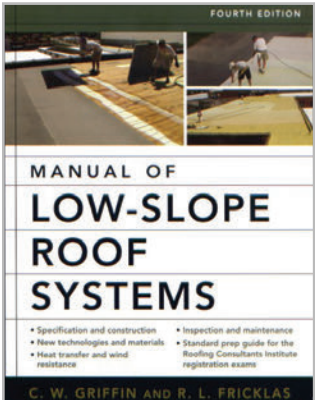
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## Manual of Low-Slope Roof Systems (Fourth Edition)

**Authors:** C.W. Griffin and Richard Fricklas



For decades, this manual has been the most widely respected guide to designing and specifying low-slope roof systems. It remains unique—the only working handbook that treats all roof design topics, from fundamentals to roof systems and materials.

This fourth edition covers major advances in design and materials, as well as changes in building codes. It brings the reader up to speed on roof system performance, emerging materials, drainage, wind uplift, vapor control, fire resistance, thermal insulation, reroofing, and much more.

It even offers field-tested solutions for such problems as lap-seam failures, membrane shrinkage, and fastener backout. This definitive text also updates new procedures in inspection and maintenance.

For architects, roof consultants, contractors, spec writers, attorneys, manufacturers—anyone who needs authoritative, up-to-date information on all aspects of roof technology—this book dominates the field. It offers the following:

- Roof failure causes in depth (and specific methods for avoiding them)
- Roof design fundamentals and flourishes, based on voluminous industry research and experience
- Using new technologies and materials safely and correctly
- Comprehensive coverage of all major roofing systems
- Specifications, inspection, and maintenance tools for roofing work

*Hardcover: 600 pages.*

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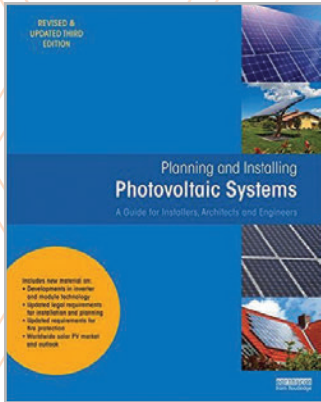
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# PUBLICATIONS CATALOG

## Planning and Installing Photovoltaic Systems (Third Edition)

**Authors:** Deutsche Gesellschaft für Sonnenenergie (DGS)



Growth in photovoltaic (PV) manufacturing worldwide continues its upward trajectory. This bestselling guide has become the essential tool for installers, engineers, and architects, detailing every subject necessary for successful project implementation, from the technical design to the legal and marketing issues of PV installation. Beginning with resource assessment and an outline of the core components,

this guide comprehensively covers system design, economic analysis, installation, operation, and maintenance of PV systems.

Written by the German Solar Energy Society (DGS), this third edition, published in 2013 and prepared as part of the GREENPro project cofounded by the European Commission, has been fully updated to reflect the state of the art in technology and concepts, including new chapters on inverter and module technology, integration to the grid, and legal and fire requirements, as well as new graphics, data, and photos.

The book covers PV beyond the roof and building enclosure but also does an excellent job covering PV systems specific to the building exterior and building-integrated photovoltaics (BIPV).

It provides significantly more information than a design professional would likely need specific to BIPV, but the detailed chapter layouts allow readers to find the issues they are researching.

Chapters include “Basics,” “Components,” “Site Surveys and Shading Analysis,” “Grid-Connected PV,” “Design Solutions,” “Mounting/Integration,” “Commissioning,” “Stand-Alone PV,” “Economic and Environmental Issues,” and “Marketing.”

The only shortcoming is somewhat unavoidable, as it is based around German practices and regulations. Differences will exist in North America.

The book is published in spiral-bound format with 536 pages, including hundreds of photos and graphics.

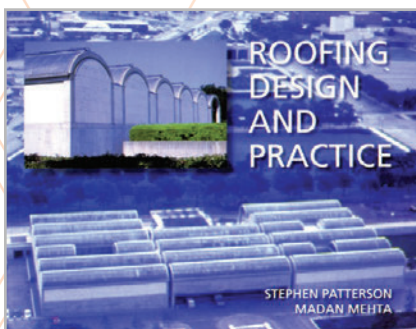
*Spiral-bound: 536 pages; hundreds of graphics.*

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## Roofing Design and Practice

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



For the first time, there is a comprehensive book written from the design perspective that takes the reader through all of the processes involved in designing a roof. This book is filled with sample problems

and easy-to-read, easy-to-understand graphics that explain roof design step by step.

Roofing design is one of the most neglected fields in construction, yet roofing represents well over half the litigation in construction and is the number-one source of building owner complaints. This book is a must-have for anyone involved in construction.

*Roofing Design and Practice* is written in textbook style by an

experienced university professor and a practicing roof consultant/engineer. They have combined their knowledge and talents to develop this comprehensive text on roofing.

### Key Features

- Complete, up-to-date reference incorporating International Building Code requirements and industry standards
- Comprehensive coverage of both steep- and low-sloped roofing systems
- Meticulously detailed and illustrated chapters on drainage design, wind design, insulation requirements, vapor control, and flashing design

*Softcover: Perfect-bound; 321 pages.*

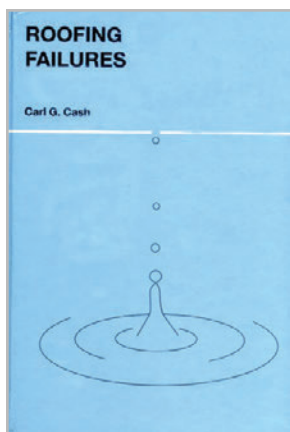
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## Roofing Failures

**Author:** Carl G. Cash



Looking for a great way to introduce roofing failure problems to the rising consultant? To expose him or her to others' failures and to provide information that will boost his or her worth to the client, the firm's reputation, and its profitability? *Roofing Failures*, by the late Carl G. Cash, is the perfect training tool.

The first half of Cash's book describes various components of roofing systems, followed by questions to test the reader's knowledge of roofing components and the industry. The second half provides case studies

describing premature roof failures. With each situation, the author presents the events leading up to the failure and the actions taken to investigate the concern. At the conclusion of each study, Cash outlines follow-up questions and then, in an appendix, gives his final analysis for each case.

This excellent addition to a firm's training library includes a helpful appendix of roofing trade product names, roofing industry websites, a bibliography, and graphs and drawings.

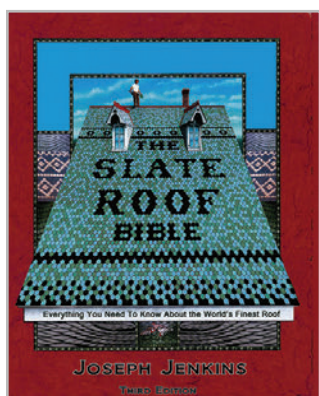
*Hardcover: 249 pages; 45 graphs and drawings; roofing trade name appendix.*

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## The Slate Roof Bible (Third Edition)

**Author:** Joseph Jenkins



Joseph Jenkins climbed on his first stone roof in 1968 in Butler, PA, at the age of 16, under the tutelage of a 63-year-old Ukrainian roofer, Peter Odrey. Jenkins—himself 63 when he wrote this edition—has collected a lifetime of experience about slate roofs and published it in *The Slate Roof Bible*, subtitled, "Everything you need to know about the world's finest roof."

Following up on his second edition, which earned NRCA's Gold Circle Award, the third edition includes almost 900 illustrations relating to virtually every facet of slate roofing. The full-color, hardcover book completely updates and expands on the material in the second edition, with more emphasis on the craft of slate roof installation. Dozens of

new photos have been added, as well as step-by-step illustrations and line drawings.

The 21 chapters cover the history of slate, the regions in the U.S. where slate originates, and how stone roof shingles are quarried and fabricated. There are chapters on safely working on slate roofs, tools, installation, repairing and restoring slate roofs, slate roof inscriptions and designs, recycling slate roofs, international slate, flashings, chimneys, valleys, slate siding, and other more obscure topics such as box gutters and snow guards.

Offered to IIBEC members at the same low price as the last edition, this book will answer any question pertaining to a slate roofing project.

*Hardcover: 374 pages; 900 photos and illustrations.*

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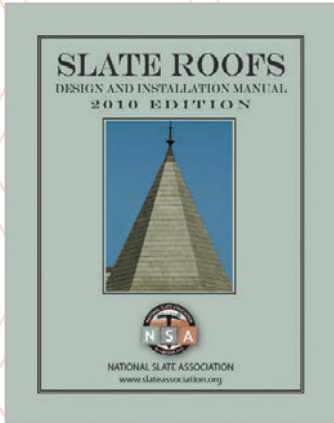
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# PUBLICATIONS CATALOG



## Slate Roofs Design and Installation Manual (2010 Edition)

**Authors:** National Slate Association



This award-winning book—the 2010 edition of the classic 1926 publication by the National Slate Association—is a technical manual for a new world: thorough and extremely detailed, without ambiguity. Gone are the extraneous but interesting tidbits about the craft that one found in the original version.

This book, available in both hard- and softcover, contains more than 250 pages of instruction sectioned into two basic parts: information about slate and slating, and slate installation details. The latter includes more than 100 pages of best-practice and alternate installation details. Winner of a Gold Circle Award from the National Roofing

Contractors Association and in development for five years, this manual is an invaluable asset to all slate specifiers and detailers.

*271 pages. More than 100 pages of installation details. Hard- and softcover versions.*

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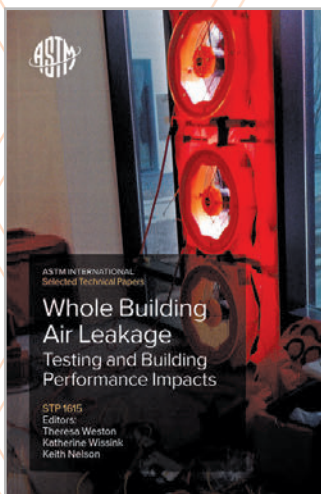
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Print book/CD combo - \$420.00

## Whole Building Air Leakage: Testing and Building Performance Impacts

**Editors:** Theresa Weston, Katherine Wissink, and Keith Nelson



In emerging fields, such as whole-building air leakage testing, consultants frequently compile references and case studies to better their practice and publish lessons learned to fortify the state of the art. In this regard, the compilation of papers contained in STP 1615, *Whole Building Air Leakage: Testing and Building Performance Impacts*, is a worthy addition to any consultant's library.

STP 1615 contains 16 selected peer-reviewed papers from an ASTM symposium

held in April 2018 that was sponsored by ASTM International Committee E06 on Performance of Buildings and Subcommittee

E06.41 on Air Leakage and Ventilation Performance. Selected papers for the compilation covered the following general topics:

- Lessons learned from air leakage testing
- Modeling and analysis of air leakage and its link to energy use, occupant comfort, and moisture
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<i>The Slate Roof Bible</i> (3rd Edition) - Jenkins	\$35.00	\$40.00		4	
<i>Slate Roofs: Design &amp; Installation Manual</i> (2010 Ed) - Natl. Slate Ass. <a href="#">Softcover</a>	\$85.00	\$95.00		2	
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IIBEC golf shirt <b>Designate size:</b> S: <input type="checkbox"/> , M: <input type="checkbox"/> , L: <input type="checkbox"/> <b>or</b> XL: <input type="checkbox"/> <b>Designate color:</b> blue: <input type="checkbox"/> , black: <input type="checkbox"/> , white: <input type="checkbox"/> <b>or</b> steel gray: <input type="checkbox"/>	\$42.00	NA		1	
<b>Ladies'</b>					
<b>Men's</b>	\$45.00	NA		1	
IIBEC stainless steel water bottle (16 oz.)	\$31.95	\$36.95			
IIBEC sunglass strap (includes shipping except to Canada, add \$2) <b>Designate color:</b> blue: <input type="checkbox"/> <b>or</b> black: <input type="checkbox"/>	\$5.00	NA		0	

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<sup>2</sup>Add \$20 for shipments destined to Canada.  
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<sup>3</sup>\$120 to Canada.

<sup>4</sup>RCI-IIBEC Foundation publication;  
proceeds to RCI-IIBEC Foundation.

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**Or order online at:** [iibe.org/store](http://iibe.org/store)



# INDUSTRY SOURCES



Acronym	Organization	Website	Phone
AA	Aluminum Association	aluminum.org	202-862-5700
AAMA	American Architectural Manufacturers Association	aamanet.org	847-303-5664
AATO	Association of Architectural Technologists of Ontario	aato.on.ca	866-805-2286
ABAA	Air Barrier Association of America	airbarrier.org	866-956-5888
ABEC	Alberta Building Envelope Council	abecsouth.org	403-540-6562
ACI	American Concrete Institute	aci-int.net	248-848-3700
ACR	Association for Conflict Resolution	acrnet.org	202-464-9700
AEE	Association of Energy Engineers	aecenter.org	770-447-5083
AIA	American Institute of Architects	aia.org	202-626-7300
AICP	American Institute of Certified Planners	planning.org	202-872-0611
AISI	American Iron and Steel Institute	steel.org	202-452-7100
ANSI	American National Standards Institute	ansi.org	212-642-4900
APA	The Engineered Wood Association (formerly American Plywood Assoc.)	apawood.org	253-565-6600
ARCA	Alberta Roofing Contractors Association	arcaonline.ca	403-250-7055
ARMA	Asphalt Roofing Manufacturers Association	asphaltroofing.org	202-207-0917
ASC	Adhesive and Sealant Council	ascouncil.org	301-986-9700
ASAE	The Center for Association Leadership	asaecenter.org	202-371-8315
ASCE	American Society of Civil Engineers	asce.org	800-548-2723
ASHI	American Society of Home Inspectors	ashi.org	800-743-2744
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers	ashrae.org	800-527-4723
ASME	American Society of Mechanical Engineers	asme.org	800-843-2763
ASNT	American Society for Nondestructive Testing	asnt.org	800-222-2768
ASPE	American Society of Professional Estimators	aspenational.org	888-EST-MATE
ASTM	ASTM International (formerly American Society for Testing and Materials)	astm.org	610-832-9585
ASTTBC	Applied Science Technologists and Technicians of British Columbia	asttbc.org	604-585-2788
AWCI	Association of the Wall and Ceiling Industry	awci.org	703-534-8300
AWS	American Welding Society	aws.org	800-443-9353
AIBC	Architectural Institute of British Columbia	aibc.ca	604-683-8588
BCBEC	British Columbia Building Envelope Council	bcbec.com	604-294-0037
BIA	Brick Industry Association	bia.org	703-620-0010
BOMA	Building Owners and Managers Association	boma.org	202-408-2662
BURSI	Better Understanding of Roofing Systems Institute (Johns Manville)	jm.com	303-978-2101
CAHPI	Canadian Association of Home and Property Inspectors	cahpi.ca	888-748-2244
CCA	Canadian Construction Association	cca-acc.com	613-236-9455
CCPG	Geoscientists Canada	ccpg.ca	604-412-4888
CDA	Copper Development Association	copper.org	212-251-7200
CEBQ/QBEC	Conseil de l'enveloppe du Bâtiment du Québec/Québec Bldg. Envelope Council	cebq.org	202-408-2662
CEFPI	Council of Educational Facility Planners	cefpi.org	480-391-0840
CEIR	Center for Environmental Innovation in Roofing	roofingcenter.org	866-928-CEIR
CFFA	Chemical Fabrics and Film Association, Vinyl Roofs Division	vinylroofs.org	216-241-7333

*Industry Sources continued on next page*

# INDUSTRY SOURCES CONTINUED

Acronym	Organization	Website	Phone
CGSB	Canadian General Standards Board	tpsgc-pwgsc.gc.ca	819-956-0894
CMAA	Construction Management Association of America	cmaanet.org	703-356-2622
CMRC	Cool Metal Roofing Coalition	coolmetalroofing.org	412-922-2772
CRCA	Canadian Roofing Contractors Association	roofingcanada.com	613-232-6724
CREIA	California Real Estate Inspection Association	creia.org	800-388-8443
CRRC	Cool Roof Rating Council	coolroofs.org	866-465-2523
CRSMCA	Carolinas Roofing and Sheet Metal Contractors Association	crsmca.com	704-556-1435
CSA	Canadian Standards Association	csa.ca	416-747-4000
CSC	Construction Specifications Canada	csc-dcc.ca	416-777-2198
CSI	Construction Specifications Institute	csinet.org	703-684-0300
CSSB	Cedar Shake and Shingle Bureau	cedarbureau.org	604-820-7700
CUFCA	Canadian Urethane Foam Contractors Association	cufca.ca	204-956-5888
EC	Engineers Canada	engineerscanada.ca	877-408-9273
EDI	Exterior Design Institute	exterior-design-inst.com	800-742-5516
EIMA	Exterior Insulation Manufacturers Association	eima.com	813-726-6477
EPSMA	EPS Molders Association	epsmolders.org	410-451-8341
ERA	EPDM Roofing Association	epdmroofs.org	301-654-5090
FM	Factory Mutual Engineering and Research	fmglobal.com	781-762-4300
FRSA	Florida Roofing, Sheet Metal & Air Conditioning Contractors Association	floridaroo.com	407-671-3772
GA	Gypsum Association	gypsum.org	202-289-5440
GRHC	Green Roofs for Healthy Cities	greenroofs.org	416-971-4494
IACT	International Association of Certified Thermographers	iactthermography.org	253-509-3742
IAQA	Indoor Air Quality Association	iaqa.org	301-231-8388
ICC	International Code Council	iccsafe.org	888-422-7233
ICAA	Insulation Contractors Association of America	insulate.org	703-739-0356
IFMA	International Facility Management Association	ifma.org	713-623-4362
IMI	International Masonry Institute	imiweb.org	800-803-0295
ISANTA	International Staple, Nail, and Tool Association	isanta.org	708-482-8138
LRWA	Liquid Roofing and Waterproofing Association	lrwa.org.uk	+44(0) 207-448-3859
MBMA	Metal Building Manufacturers Association	mbma.com	216-241-7333
MCA	Metal Construction Association	metalconstruction.org	847-375-4718
MRA	Metal Roofing Alliance	metalroofing.com	314-495-5906
MRCA	Midwest Roofing Contractors Association	mrca.org	800-497-6722
NACE	The Corrosion Society	nace.org	281-228-6200
NAIMA	North American Insulation Manufacturers Association	naima.org	703-684-0084
NAMP	National Association of Mold Professionals	moldpro.com	248-669-5673
NAWSRC	National Assoc. of Waterproofing & Structural Repair Contractors	nawsrc.org	800-245-6292
NBEC	National Building Envelope Council (Canada)	nbec.net	604-473-9587
NBSCETT	New Brunswick Society of Certified Engineering Technicians & Technologists	nbscett.nb.ca	800-665-TECH
NCARB	National Council of Architectural Registration Boards	ncarb.org	202-783-6500
NCMA	National Concrete Masonry Association	ncma.org	703-713-1900



Acronym	Organization	Website	Phone
NERCA	North/East Roofing Contractors Association	nerca.org	617-227-0220
NFPA	National Fire Protection Association	nfpa.org	800-344-3555
NIBS	National Institute of Building Sciences	nibs.org	202-289-7800
NICET	National Institute for Certification of Engineering Technologies	nicet.org	800-IS-NICET
NIST	National Institute of Standards and Technology	nist.gov	301-975-6478
NPCA	National Paint & Coatings Association	paint.org	202-462-6272
NRC	National Research Council of Canada	nrc.ca	877-672-2672
NRCA	National Roofing Contractors Association	nrca.net	800-323-9545
NRDCA	National Roof Deck Contractors Association	nrdfa.org	800-217-7944
NREP	National Registry of Environmental Professionals	nrep.org	847-724-6631
NSA	National Slate Association	slateassociation.org	866-256-2111
NWIR	National Women in Roofing	nationalwomeninroofing.org	303-450-3150
OAAAS	Ontario Association for Applied Architectural Sciences	oacett.org	416-621-9621
OBEC	Ontario Building Envelope Council	obec.on.ca	416-438-2588
OIRCA	Ontario Industrial Roofing Contractors Association	ontarioroofing.com	416-695-4114
PDA	Polyurea Development Association	pda-online.org	816-221-0777
PIMA	Polyisocyanurate Insulation Manufacturers Association	pima.org	301-654-0000
PMI	Project Management Institute	pmi.org	610-356-4600
QBEC/CEBQ	Québec Bldg. Envelope Council/Conseil de l'enveloppe du Bâtiment du Québec	cebq.org	202-408-2662
RCMA	Roof Coating Manufacturers Association	roofcoatings.org	202-207-0919
RICOWI	Roofing Industry Committee on Weather Issues	ricowi.com	770-726-7194
RICS	Royal Institution of Chartered Surveyors	rics.org	212-847-7400
RISE	Roof Integrated Solar Energy	riseprofessional.org	847-299-9070
RMA	Rubber Manufacturers Association	rma.org	202-682-4800
RRCI	Reflective Roof Coatings Institute	therrci.org	816-472-7765
RSC	Royal Society of Chemistry	rsc.org	442(0)7437-8656
SDI	Steel Deck Institute	sdi.org	847-458-4647
SMACNA	Sheet Metal & Air Conditioning Contractors National Association	smacna.org	703-803-2980
SPFA	Spray Polyurethane Foam Alliance	sprayfoam.org	800-523-6154
SPI	Society of the Plastics Industry	socplas.org	202-974-5200
SPRI	Single Ply Roofing Industry	spri.org	781-647-7026
SRCA	Slate Roofing Contractors Association	slateroofers.org	814-786-9085
SWRI	Sealant, Waterproofing & Restoration Institute	swrionline.org	816-472-7974
TRI	Tile Roofing Institute	tileroofing.org	312-670-4177
UL	Underwriters Laboratories	ul.com	877-854-3577
ULC	Underwriters Laboratories of Canada	ulc.ca	416-757-3611
USGBC	U.S. Green Building Council	usgbc.org	800-795-1747
UURWAW	United Union of Roofers, Waterproofers, & Allied Workers	roofersunion.org	202-463-7663
WCA	Waterproofing Contractors Association	thewaterproofers.org	918-870-0315
WSRCA	Western States Roofing Contractors Association	wsrca.com	650-570-5441
XPSA	Extruded Polystyrene Foam Association	xpsa.com	800-978-9772

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GAF.....	(800) 555-1852 .....	www.gaf.com/tpo .....	25
IR Analyzers .....	(800) 879-1964 .....	www.iranalyzers.com .....	27
McElroy Metal .....		www.mcelroymetal.com/recover .....	24
National Gypsum .....		https://bit.ly/DEXcell.....	13
RCI-IIBEC Foundation.....	(919) 859-0742 .....	www.rci-iibecfoundation.com.....	12
Rooftop Anchor.....	(800) 411-3914 .....	www.rooftopanchor.com .....	48
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