

Agenda

Presented by Cliff Bishop

Moisture In (and Around) Buildings

- Sources of interior moisture
- Air sources and movement within buildings
- Moisture sources and movement within buildings
- Effects of air and moisture movement in buildings
 - Organic growth
 - Energy loss
 - Higher operating expenses
 - Damage to building systems and materials
 - Reduced occupant health, safety, and comfort

Guidance from Codes and Standards

- International Building Code (IBC)
- International Residential Code (IRC)
- US EPA moisture control guidance

Performance of Moisture-Resistant Foundations

- Promoting adequate site drainage
- Grading sites to drain water from foundations
- Examining the effects of insulation on foundation moisture
- Using foundation drainage systems

Performance of Moisture-Resistant Wall Systems

- Weather barriers (water, air, vapor)
- Exterior cladding systems
- Promoting drainage
- Controlling moisture at base of wall
- Understanding the effects of doors, windows, and curtain walls
- Moisture-proofing wall penetrations

Performance of Moisture-Resistant Roofing Systems

- Evaluating roof coverings
- Using steep-slope, low-slope, and flat roof systems
- Roof system as air and vapor barrier
- Examining roof/wall connections
- Water management

Mechanical Systems and Moisture Control

- Plumbing systems
- HVAC systems
- Ventilation systems

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Moisture-Resistant Buildings

Live, Interactive Webinar - Thursday, June 20, 2024

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Learning Objectives

You'll be able to:

Explore the science of moisture sources and moisture movement in buildings.

Consider the guidance on moisture control in the International Residential Code and the International Building Code.

Examine techniques designed to improve the moisture resistance of foundations.

Evaluate techniques for improving the moisture resistance of wall and roofing systems.

Explore the role of plumbing, HVAC and ventilation systems in the movement of moisture in buildings.



HalfMoon Education Inc., Your LIVE Education Leader Presents Moisture-Resistant Buildings

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Identify sources of moisture in and around buildings

Review the effects of air and moisture movement in buildings

Review moisture-control guidance in building codes

Evaluate the performance of moisture-resistant foundations

Explore moisture-resistant wall and roofing systems

Consider the impact of building mechanical systems on moisture control

Continuing Education Credits

Professional Engineers
6.0 PDHs

International Code Council
.6 CEUs (Building)

Architects
6.0 HSW CE Hours
6.0 AIA LU | HSW

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Webinar Information

Online - Thursday, June 20, 2024

Log into Webinar 8:30 - 9:00 am CDT	Break 12:15 - 12:45 pm CDT
Morning Session 9:00 am - 12:15 pm CDT	Afternoon Session 12:45 - 4:00 pm CDT

Tuition
\$339 for individual registration.
\$309 for two or more registrants from the same company at the same time.

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Faculty

Cliff Bishop
Licensed Professional and Structural Engineer, at Exponent, Inc.
Dr. Cliff D. Bishop specializes in the holistic evaluation of building and bridge structures. While at Exponent, he has led investigations of concrete, steel, wood, and masonry structures and their interior finishes and building envelope components that were damaged as a result of design/construction defects, construction procedures, and natural hazards, such as wind, floods, hurricanes, and earthquakes. These investigations typically include on-site testing and documentation, analysis of structural and non-structural component response, interpretation and application of building codes and standards, and identification of the most appropriate repair. Dr. Bishop often employs sophisticated engineering analysis and state-of-the-art research in support of these investigations. His sound engineering advice provides the basis necessary for building owners, insurers, and other stakeholders to make informed decisions.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.0 HSW LUs (AIA)

Additional Learning

- Building Power System Grounding and Bonding Based on NEC 2023**
- Monday, May 20, 2024 | 12:00 - 2:00 pm CDT
- Construction Contract Workshop**
- Monday, May 20, 2024 | 8:30 am - 5:00 pm CDT
- Determining Means of Egress Compliance Using the 2021 IBC**
- Monday, May 20, 2024 | 8:30 am - 4:00 pm CDT
- Hydronic and Radiant Heating Systems for Residential and Light Commercial Buildings**
- Tuesday, May 21, 2024 | 9:00 am - 4:00 pm CDT
- Managing Solar Gain**
- Tuesday, May 21, 2024 | 9:00 am - 12:20 pm CDT
- Developments in Fenestration**
- Wednesday, May 22, 2024 | 9:00 am - 12:20 pm CDT
- Seismic Design and Construction**
- Thursday, May 23, 2024 | 8:30 am - 5:00 pm CDT
- Using Drones in Construction**
- Thursday, May 30, 2024 | 8:30 am - 4:00 pm CDT
- Advanced HEC-RAS Modeling**
- Friday, May 31, 2024 | 8:30 am - 5:30 pm CDT
- Interior Acoustical Design and Construction**
- Friday, May 31, 2024 | 8:30 am - 4:30 pm CDT
- Preventing and Addressing Construction Defects and Failures**
- Friday, May 31, 2024 | 8:30 am - 5:00 pm CDT
- Understanding the NSPE Engineering Code of Ethics**
- Monday, June 3, 2024 | 11:00 am - 12:00 pm CDT
- Evaluating Eco-Friendly Insulation Options**
- Thursday, June 6, 2024 | 10:00 am - 12:00 pm CDT
- Obtaining Phase 1 and Phase 2 Environmental Site Assessments**
- Monday, June 10, 2024 | 9:00 am - 11:00 am CDT
- Mastering RFQ & RFP Responses:Crafting Winning Proposals**
- Tuesday, June 18, 2024 | 1:00 - 3:00 pm CDT
- Generation Interconnection under the RTO Model and Changes Coming from Order 2023**
- Tuesday, June 25, 2024 | 2:00 - 4:00 pm CDT

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