Moisture Control in Buildings:
Designing, Constructing and Remodeling for Wetter Weather
Indianapolis, IN - Tuesday, April 21, 2020

Examine moisture in and around buildings
Identify the effects of doors, windows, and curtain walls on moisture
Explore guidance from codes, standards, and the Environmental Protection Agency (EPA)
Get tips on designing and constructing moisture-resistant wall systems, foundations, and roofing systems
Promote drainage and control moisture at the base of walls
Learn about mechanical systems and moisture control

Continuing Education Credits
Professional Engineers
6.5 Continuing Ed. Hours
International Code Council .65 CEUs (Building)
Architects
6.5 HSW Contact Hours
6.5 AIA LU|HSW
Contractors
Non-Credit Continuing Ed.

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
- Mold
- Energy loss
- Higher operating expenses
- Damage to building systems and materials
- Reduced occupant health, safety and comfort

Guidance from Codes, Standards and Environmental Protection Agency (EPA)
International Building Code (IBC)
International Residential Code (IRC)
US EPA Moisture Control Guidance

Designing Moisture-Resistant Foundations
Designing for site drainage
Grading sites to drain water from foundations
Examining the effects of insulation on foundation moisture
Using foundation drainage systems

Designing and Constructing Moisture-Resistant Wall Systems
Air, moisture and vapor barriers
Exterior cladding systems
Promoting drainage
Controlling moisture at base of wall
Understanding the effects of doors, windows and curtain walls
Moisture-proofing wall penetrations

Designing and Constructing 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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**Faculty**

**Kyle Pawlak, P.E.** Restoration Consultant at Walker Consultants – Indiana Office

Mr. Pawlak is a restoration consultant in the Indiana Office of Walker Consultants. He is responsible for the assessment and restoration of existing structures across several markets, including private, university, airport, and healthcare throughout Indiana, Ohio, Kentucky, and Tennessee. Mr. Pawlak has experience in building envelope consulting for new construction during design and construction as well as the investigation and restoration of existing buildings including building facades, storefronts, and roof systems.

**Kristen Navaid, R.A.** Restoration Consultant at Walker Consultants – Chicago Office

Ms. Navaid is a restoration consultant in the Chicago office of Walker Consultants. With an architectural background, she provides specialized assistance on building envelope projects, as well as parking facility restoration projects. As a restoration consultant and licensed architect at Walker, her responsibilities include managing facade repair and roofing replacement projects across all market segments, performing condition assessments and site investigations, and delivering projects from conception to the development of construction documents and on through construction. Ms. Navaid has nearly 15 years of experience in building envelope consulting and restoration.

**Sonia Surlej, R.A., NCARB** Building Envelope Consultant at Walker Consultants – Chicago Office

Ms. Surlej, R.A., NCARB, is a building envelope consultant in the Chicago office of Walker Consultants. She has been in the building envelope and restoration industry for 15 years. In that time, she has completed a wide variety of building envelope consulting projects most notably the terra cotta restoration of The Bridgeview Bank Uptown in Chicago, Illinois, and building envelope consulting services for new construction of The Corners in Brookfield, Wisconsin. Ms. Surlej can take her foundation in historic preservation and forensic building failure and apply that knowledge to new construction. In recent years, she has teamed up with general contractors to review construction documents and identify and address problems as well as improve the quality of the overall building envelope.

**Seminar Information**

**Indianapolis Marriott East**
7202 East 21st Street
Indianapolis, IN 46219
(317) 532-1231

**Tuition**
- $299 for individual registration
- $279 for three or more registrants from the same company at the same time.

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This seminar is open to the public and offers 6.5 continuing education hours/PDHs to professional engineers and 6.5 HSWS contact hours to architects in all states. HalfMoon Education is an approved continuing education provider for Indiana engineers (License No. CE27100059). Architect continuing education providers and courses are not subject to preapproval in Indiana.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. 3885). Visit www.halfmoonseminars.org for complete AIA/CES course information in this course listing. Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for New York engineers and architects.

The International Code Council has approved this course for 65 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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Attendance will be monitored, and attendance certificates will be awarded after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

**Registrations**
- 8:00 - 8:30 am Registration
- 8:30 am - 12:15 pm Morning session
- 12:15 - 1:15 pm Lunch (On your own)
- 1:15 - 4:30 pm Afternoon session

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**How to Register**

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  - Foundation-Slab-Wall Design and Construction
  - Wed., March 4, 2020, 1:00 - 2:30 PM CST
  - Evaluation of Foundation-Slab Damage and Repair Alternatives
  - Thurs., March 5, 2020, 1:00 AM - 2:30 PM CST
  - Evaluation of Foundation Wall Damage and Repair Alternatives
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