

# Agenda

Presented by Michael Minigh

## Common Shortcuts and Construction Defects that Lead to the Prevalent Moisture Damaged Areas in Building Construction

- Terminology
- Why these common practices fail, who should be responsible for the resulting damage, and how to avoid callbacks and expensive lawsuits
- Mold, rot and bad publicity
- Exterior Insulation and Finish Systems (EIFS)
- Stucco
- Manufactured Stone Veneer (MSV)
- Flashing
- Caulk

## Overview of Exterior Products and Systems

- EIFS, stucco, MSV, brick, lap siding, flashing, windows
- Commonalities in failures

## Most Common Moisture Intrusion Locations

- Actual case studies; Photographs of bad detailing
  - Kickouts, windowsills, head flashing, deck attachment, floor lines, etc.
- Building code requirements
- Building code language
- Flashing
- Moisture barriers
- Continuous insulation
- Drainage planes

## Moisture Intrusion Testing Protocol

- EIFS Moisture Inspection Report
  - EIFS details of most common failures
- MSV series of photos and report templates
  - MSV Industry Installation manual
  - Specific details that most commonly fail
- Actual class-action lawsuit notices for various cladding materials
  - Water is non-discriminating

## Other Common Failure Locations

- Roof failure details
  - Common shortcuts and details that regularly cause failures, leaks, and damage.
- Drainage: Foundations. Crawl spaces, Basements, and Slab floors.
  - Common shortcuts that lead to water infiltration.

## Repair Protocol and Repair Oversight

- Consultation
- Supervision
- Verification

## Available Resources to Avoid Moisture Intrusion

- Publications
  - Journal of Light Construction
  - Fine Homebuilding
  - Deck Building Guide
  - EIMA Details
  - Brick Industry Technical Manual
  - SMACNA Sheet Metal Detail Manual
  - NW Walls and Ceilings Stucco Manual
- Recommended website
  - Building Science - Joe Lstiburek

## Moisture Control in Buildings in the Southeastern US

Live, Interactive Webinar - Tuesday, May 24, 2022

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HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



# Learning Objectives

You'll be able to:

**Review** the performance of exterior products and systems, including stucco, brick, manufactured stone veneer, and lap siding.

**Understand** flashing, moisture barriers, continuous insulation, and drainage planes.

**Examine** EIFS moisture intrusion reports.

**Explore** moisture intrusion in crawl spaces, basements, and slab floors.

**Discuss** repair protocol and oversight.



## HalfMoon Education Live Webinars

# Moisture Control in Buildings in the Southeastern US

Live, Interactive Webinar - Tuesday, May 24, 2022



**Identify** common defects which lead to moisture damage and where to locate them

**Examine** moisture intrusion in exterior insulation and finish systems

**Understand** moisture intrusion testing protocol

**Discuss** moisture intrusion caused by roof and drainage failures

**Explore** moisture intrusion case studies

## Continuing Education Credits

**Professional Engineers**  
6.0 PDHs

**International Code Council**  
.6 CEUs (Building)

**Architects**  
6.0 HSW CE Hours  
AIA Pending



# Faculty

**Michael Minigh** has utilized his 36 years of construction experience and exterior insulation and finish systems (EIFS)/moisture intrusion technical expertise to prevent, locate, resolve building envelope moisture intrusion problems and EIFS to reduce long-term heating and cooling costs of government, commercial, institutional and residential buildings. He educates and advises government officials, architects, designers, building owners and contractors of the advantages of properly designed, detailed and installed continuous exterior insulation, particularly EIFS and insulated stucco systems. Mr. Minigh assists professionals as a 3rd party inspector/consultant, Expert Witness/Preconstruction problem prevention consultant. He insures the proper detailing and installation of EIFS and continuous insulation for long-term durability and performance. Mr. Minigh performs pre-construction review of specifications and details to insure the accuracy of moisture-resistant design, provide pre-construction coordination of trades and regular on-site inspections

# Webinar Information

Log into Webinar 8:00 - 8:30 am EDT	Break 11:45 am - 12:45 pm EDT
Morning Session 8:30 - 11:45 am EDT	Afternoon Session 12:45 - 4:00 pm EDT

**Tuition**  
**\$319** for individual registration  
**\$289** for two or more registrants from the same company at the same time.  
***Included with your registration: PDF seminar manual.***

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
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**Cancellations:** Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

**Can’t Attend? Order the Webinar as a Self-Study Package!**  
Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

# Additional Learning

**IBC Significant Changes: Administration and Building Planning**  
- Fri, April 29, 2022 | 11:00 am - 3:30 pm CDT

**Construction Cost Estimating and Value Engineering**  
- Fri, April 29, 2022 | 8:30 am - 3:20 pm CDT

**HVAC Primer for Design Professionals**  
- Tues, May 3, 2022 | 8:30 am - 4:30 pm CDT

**2020 National Electrical Code Update**  
- Fri, May 6, 2022 | 8:30 am - 4:00 pm CDT

**IBC Significant Changes: Fire Protection and Means of Egress**  
- Fri, May 6, 2022 | 11:00 am - 3:30 pm CDT

**Design Considerations and Mixed Occupancy Options for Speculative Buildings**  
- Tues, May 10, 2022 | 9:00 am - 3:40 pm CDT

**Structural Design Loads under the ASCE 7-22 Standard**  
- Thurs, May 12, 2022 | 9:00 am - 4:30 pm

**IBC Significant Changes: Accessibility, Systems, and Materials**  
- Fri, May 13, 2022 | 11:00 am - 3:30 pm CDT

**Revit Basics of Building Modeling**  
- Fri, May 13, 2022 | 9:00 am - 1:00 pm CDT  
- Fri, May 20, 2022 | 9:00 am - 1:00 pm CDT

**International Existing Building Code 2021**  
- Tues, May 17, 2022 | 9:00 am - 4:30 pm CDT

**Site Design: Grading and Drainage**  
- Fri, May 20, 2022 | 8:30 am - 4:30 pm CDT

**How to Design a Stormwater Management System for Residential Sites**  
- Tues, May 24, 2022 | 2:00 - 4:00 pm CDT

**Soil Mechanics, Bearing Capacity and Slope Stabilization**  
- Wed, May 25, 2022 | 8:30 am - 4:30 pm CDT

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**Continuing Education Credit Information**  
This webinar is open to the public and offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to licensed architects in all states.

The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). This course has been submitted for AIA CES approval and is currently pending. Only full participation is reportable to the AIA CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), 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 International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Visit this course listing at [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for updates on pending credits.

Completion certificates will be awarded to participants who complete this event and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

**Added Value:**  
Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date.  
(Must attend live webinar to earn live webinar credits)

# Registration

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Live, Interactive Webinar - Tuesday, May 24, 2022

<div><b>How to Register</b></div> <div><b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a></div> <div><b>Phone:</b> 715-835-5900</div> <div><div><b>Fax:</b> 715-835-6066</div><div><b>Code:</b></div></div> <div><b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278</div> <div><b>Complete the entire form.</b> Attach duplicates if necessary.</div>	<div><b>Registrant Information</b></div> <div>Name: _____</div> <div>Company/Firm: _____</div> <div>Address: _____</div> <div>City: _____ State: _____ Zip: _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div><b>Additional Registrants:</b></div> <div>Name: _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div>Name: _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div>Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.</div> <div>( )  I need special accommodations. Please contact me.</div>
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