

Agenda

Presented by Vincent F. Fratinardo, P.E., S.E., RRC

Overview of Special Inspections

- General program guidelines
- Special inspector qualifications
- Testing and inspection agency accreditation
- Forms, schedules and agreements
- Pre-construction meeting
- Report distribution

Soil and Foundation Inspections

- Existing soil conditions
- Site preparation
- Shallow foundations
- Deep foundations

Concrete and Masonry Construction Inspections

- Concrete reinforcement, placement, testing and inspection
- Curing concrete, hot- and cold-weather concrete
- Prestressed and precast concrete
- Masonry inspection frequency and material test methods
- Mortar, grout, unit placement and reinforcement

Steel Inspections

- Shop fabrication
- Welds
- Bolted connections
- Pre-engineered metal buildings

Wood, Cold-Formed Steel, Wind and Seismic Design

- AWC and AISI publication references in Code
- Wood and CFS material standards, fasteners and connections
- Lateral framing inspection practices
- Seismic resistance/isolation systems

Exterior Insulation/Finishes and Fire Resistance/Smoke Control

- Exterior insulation and finish systems
- Fire-resistant materials and sprayed fire-resistive material
- Smoke control

Material Standards and Load Tests

- Design strength of materials and alternative test procedures
- In-situ load tests
- Pre-construction load tests

Ethics, Non-Conformances and Final Reports

- Inspector authority, conflicts and "soft skills"
- Discrepancy documentation, tracking and resolution
- Final report, required documentation and distribution

Special Inspections under the International Building Code Chapter 17
Brookfield, WI- Thursday, June 13, 2019



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

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Learning Objectives

You'll be able to:

Identify the qualifications needed to be a special inspector.

Examine inspection requirements for soils and foundations.

Explore requirements for steel fabrication, bolting and welding.

Discuss inspection and testing of concrete and masonry.

Review inspection practices for wood structural elements and connections.

Examine requirements for fire-resistant materials.

Study material standards and review load testing procedures.



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Receive an overview of program guidelines and special inspector qualifications

Learn about special inspections of soil and foundations, concrete, masonry, and steel

Understand seismic and wind resistance inspections

Discuss exterior insulation, finishes, fire resistance and smoke control

Learn about wood and CFS material standards, fasteners and connections

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW Contact Hours

7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Building)

Wisconsin Commercial Building Inspectors, UDC-Construction Inspectors, Dwelling Construction Qualifier

Pending



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Vincent F. Fratinardo, P.E., S.E., RRC

Mr. Fratinardo is a civil/structural engineer and roof consultant. His 20 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management, and 13 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 25 different tornado events, and Hurricanes Irene, Sandy, Matthew, Harvey, Irma, Maria and Florence. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states and a licensed structural engineer in Illinois.

Here’s what past attendees had to say about the program and presenter Vince Fratinardo:

“Excellent presenter that knows the material.” – *Professional Engineer*

“Very knowledgeable, engaging, lots of real-life experience.” – *Civil Engineer*

“Did a good job.” – *Architect*

Seminar Information

Sheraton Milwaukee Brookfield Hotel

375 South Moorland Road
Brookfield, WI 53005
(262) 364-1100

Registration

8:00 - 8:30 am

Morning Session

8:30 am - 12:30 pm

Lunch (on your own)

12:30 - 1:30 pm

Afternoon Session

1:30 - 5:00 pm

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW contact hours to architects in all states. Educators and courses are not subject to preapproval in Wisconsin.

The American Institute of Architects has approved this seminar for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GPO0000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York architects.

HalfMoon Education has applied to the Wisconsin Department of Safety and Professional Services for course approval for Commercial Building Inspectors, UDC-Construction Inspectors, and Dwelling Contractor Qualifiers. The application is under review. Please confirm course approval prior to registering for this event.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building.

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

Tuition

\$289 for individual registration

\$269 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part I**
Wed., May 1, 2019, 11:00 AM - 2:30 PM CDT

- **Solar Photovoltaic Project Design and Development, Part II**

Thurs., May 2, 2019, 11:00 AM - 2:30 PM CDT

Passive House: Planning and Design

- **Energy Efficiency of Conventional Construction**

Thurs., May 9, 2019, 11:00 AM - 12:00 PM CDT

- **Passive House Standard: Purpose, Principles and Development**

Thurs., May 9, 2019, 12:30 - 2:00 PM CDT

- **Architectural Elements of Passive Houses**

Fri., May 10, 2019, 11:00 AM - 12:30 PM CDT

- **Mechanical Systems in Passive Houses**

Fri., May 10, 2019, 1:00 - 2:30 PM CDT

Erosion and Sediment Control

- **Soils and Causes of Erosion**

Thurs., May 16, 2019, 11:00 AM - 12:00 PM CDT

- **Goals for Selection of Erosion and Sediment Control Practices**

Thurs., May 16, 2019, 12:30 - 1:30 PM CDT

- **Calculations for Determining Soil Loss and Channel Stabilization**

Fri., May 17, 2019, 11:00 AM - 12:00 PM CDT

- **Non-Structural Erosion and Sediment Control Best Practices**

Fri., May 17, 2019, 12:30 - 1:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail Code: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____ Occupation: _____ Email: _____ Phone: _____
Complete the entire form. Attach duplicates if necessary.		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.

() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

Downloadable MP3 Audio/PDF Manual for **\$269.00**.

CD/Manual Package for **\$289.00**.

(Please allow four weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____