

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
Eagan, MN- Wednesday, April 17, 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.

Discuss inspection and testing of concrete and masonry.

Explore requirements for steel fabrication, bolting and welding.

Review inspection practices for wood structural elements and connections.

Examine requirements for fire-resistant materials.

Study material standards and review load testing procedures.



Special Inspections under the International Building Code Chapter 17

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Receive an overview of program guidelines and special inspector qualifications

Understand seismic and wind resistance inspections

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

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 HSW PDHs

Architects

7.0 HSW PDHs

7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Building)



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 he has 11 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 23 different tornado events, and Hurricanes Irene, and Sandy. 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

Holiday Inn Airport SE-Mall Area

2700 Pilot Knob Road
Eagan, MN 55121
(651) 454-3434

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 HSW PDHs/continuing education hours to professional engineers and architects in all states. Educators and courses are not subject to preapproval in Minnesota.

This seminar is approved by the American Institute of Architects for 7.0 HSW Leaning 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. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

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

Attendance will be monitored and attendance certificates will be available 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.

Tuition

\$289 for individual registration

\$269 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the Code itself.

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

National Electrical Code

• **National Electrical Code, Part I**
Wed., March 6, 2019, 11:00 AM - 3:30 PM CST

• **National Electrical Code, Part II**
Thurs., March 7, 2019, 11:00 AM - 3:30 PM CST

• **National Electrical Code, Part III**
Fri., March 8, 2019, 11:00 AM - 3:30 PM CST

Commercial Solar Peaker Batteries

• **Commercial Solar Peaker Batteries, Part I**
Wed., March 13, 2019, 11:00 AM - 3:15 PM CDT

• **Commercial Solar Peaker Batteries, Part II**
Thurs., March 14, 2019, 11:00 AM - 2:15 PM CDT

Handling Ethical Issues in Professional Engineering Practice

Fri., March 15, 2019, 11:00 AM - 12:00 PM CDT

Structural Forensic Engineering

• **Introduction to Forensic Engineering Process**
Wed., March 27, 2019, 11:00 AM - 1:00 PM CDT

• **Causes of Failures and the Forensic Engineering Report**
Wed., March 27, 2019, 1:30 - 3:30 PM CDT

• **Forensic Examination of Structures and Use in Litigation**
Thurs., March 28, 2019, 11:00 AM - 1:00 PM CDT

Foundation Damage and Repair

• **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**
Thurs., March 28, 2019, 11:00 AM - 12:30 PM CDT

• **Foundation-Wall Design and Construction**
Thurs., March 28, 2019, 1:00 - 2:30 PM CDT

• **Assessment of Foundation-Slab Damage & Repair Alternative**
Fri., March 29, 2019, 11:00 AM - 12:30 PM CDT

• **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**
Fri., March 29, 2019, 1:00 - 2:30 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

Special Inspections under the International Building Code Chapter 17

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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: 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: _____