

Agenda

Presented by Vincent Fratinardo

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
International Building Code Chapter 17
Ann Arbor, MI - Thursday, May 31, 2018

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

Identify the qualifications needed to be a special inspector.

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.



Special Inspections Under International Building Code Chapter 17

Ann Arbor, MI - Thursday, May 31, 2018



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 Continuing Ed. hours

Architects
7.0 HSW Continuing Ed. Hours
7.0 AIA HSW Learning Units

International Code Council
.7 CEUs (Building)

Contractors
Non-Credit Continuing Ed.



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



PREFERRED
EDUCATION
PROVIDER

Faculty

Vincent Fratinardo *Senior Associate at Thornton Tomasetti in the Greater Chicago Area*

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. 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 24 different tornado events, and Hurricanes Irene, Sandy, and Matthew. 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.

Seminar Information

Courtyard by Marriott Ann Arbor
3205 Boardwalk Drive
Ann Arbor, MI 48108
(734) 995-5900

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

Tuition

\$279 for individual registration

\$259 for three or more registrations.

Registration does not include a copy of the Code itself.

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 CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 continuing education hours to professional engineers and 7.0 HSW continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to pre-approval in Michigan.

This course has been approved by the American Institute of Architects for 7.0 HSW Learning Units (Provider No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is deemed an approved architect continuing education sponsor in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

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

This seminar offers contractors a non-credit continuing education opportunity, but it has not been submitted to any state contractor licensing entity for continuing education approval.

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.

Additional Learning

April Webinar Series

AutoCAD 2018 Beginners 2-D Course

- **Create a Drawing**
Thurs., April 5, 2018, 11:00 AM - 12:30 PM CDT
- **Edit a Drawing**
Thurs., April 5, 2018, 1:00 - 2:30 PM CDT
- **View and Display a Drawing**
Fri., April 6, 2018, 11:00 AM - 12:30 PM CDT
- **Print, Plot or Print File**
Fri., April 6, 2018, 1:00 PM - 2:30 PM CDT

Special Inspections

- **Overview of Special Inspections**
Wed., April 11, 2018, 11:00 AM - 12:30 PM CDT
- **Steel, Wood and Cold-Formed Steel**
Wed., April 11, 2018, 1:00 - 2:30 PM CDT
- **Concrete, Masonry and Soils**
Thurs., April 12, 2018, 11:00 AM - 1:00 PM CDT
- **Fire-Resistant Materials and Material Standards**
Thurs., April 12, 2018, 1:30 PM - 2:30 PM CDT

Shallow Foundations

- **Evaluating Building Sites**
Thurs., April 19, 2018, 11:00 AM - 12:30 PM CDT
- **Shallow Foundation Design**
Thurs., April 19, 2018, 1:00 - 2:30 PM CDT
- **Special Considerations in Foundation Design and Construction**
Fri., April 20, 2018, 11:00 AM - 12:30 PM CDT
- **Soil Improvement and Foundation Diagnosis and Repair**
Friday, April 20, 2018, 1:00 - 2:30 PM CDT

Erosion and Sediment Control

- **Basics of Site Stormwater Regulations and Requirements**
Wed., April 25, 2018, 11:00 AM - 12:00 PM CDT
- **Structural and Non-Structural Erosion and Sediment Control Best Practices**
Wed., April 25, 2018, 12:30 PM - 2:30 CDT
- **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 1:00 PM CDT
- **Long-term Post Construction Management Practices**
• Friday, April 20, 2018, 12:30 PM - 2:30 CDT

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

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. 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 International Building Code Chapter 17

Ann Arbor, MI - Thursday, May 31, 2018

How to Register	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____	
Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____	
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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five 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: _____