

Agenda

Presented by Paul Bosela Jr., P.E., LEED AP

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
Pre-stressed 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

Middleburg Heights, OH - Wednesday, November 14, 2018



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.

Explore requirements for steel fabrication, bolting and welding.

Discuss inspection and testing of concrete and masonry.

Review framing inspection practices for wood and cold-formed steel.

Examine requirements for fire-resistant materials.

Study material standards and review load testing procedures.



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Wednesday, November 14, 2018*



Identify general program guidelines and special inspector qualifications

Study key elements of soil and foundation inspections

Review concrete and masonry inspection requirements

Understand wood and CFS materials standards, and lateral framing inspection practices

Analyze exterior insulation and finish systems

Continuing Education Credits

Architects

7.0 HSW Continuing Ed. Hours
7.0 AIA HSW Learning Units

Professional Engineers

7.0 CPD Hours/PDHs

Ohio Board of Building Standards

7.0 Hours*

International Code Council

.7 CEUs (Building)

This course includes .5 Ethics Hour

**See important details inside brochure.*



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Faculty

Paul Bosela Jr., P.E., LEED AP *Bosela Forensic Engineering Consultants, LLC*

Mr. Bosela is a licensed professional engineer (Ohio and Pennsylvania) and is an accredited professional in Leadership in Energy & Environmental Design (LEED). He has investigated numerous failure cases and/or performance-related problems for private clients and is responsible for determining the cause and extent of damage to structures, including, but not limited to, roof truss failures, roof collapses, foundation failures, storm-related damage, etc. He earned his bachelor’s and master’s degrees in Civil Engineering from Cleveland State University and previously worked in the construction industry for a prominent construction manager/general contractor on some high-profile projects, such as The Cleveland Museum of Art and the Cleveland Cavaliers Training Facility. In addition, Mr. Bosela worked as a structural engineer providing design and analysis for structural products for the construction sector and as a structural design engineer for sports, commercial and industrial markets. Some of the construction products include adjustable steel columns, telescoping posts and insulated concrete form (ICF) bracing. For the telescoping posts, he developed a design approach for providing a safe load capacity. Mr. Bosela has also worked with several product evaluation and testing agencies in the U.S. and Canada.

Seminar Information

Crowne Plaza Cleveland Airport
7230 Engle Road
Middleburg Heights, OH 44130
(440) 243-4040

Tuition
\$279 for individual registration
\$259 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 CD/manual package. You may also send another person to take your place.

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.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 HSW continuing education hours to architects and 7.0 PDHs to professional engineers in most states, including Ohio. Educators and courses are not subject to preapproval in Ohio. This course contains .5 ethics hour, which can be applied to an ethics requirement or applied as general continuing education.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J8850).

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

The Ohio Board of Building Standards has approved this course for 7.0 hours for Building Inspectors, Building Officials, Building Plans Examiners, Master Plans Examiners, Residential Building Inspectors, Residential Building Officials, and Residential Plans Examiners.

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

Additional Learning

Webinar Series

- Geothermal Heating and Cooling**
- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
 - **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
 - **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
 - **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT

- Cogeneration System Principles and Practice**
- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
 - **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
 - **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
 - **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

- Shallow Foundation Design and Construction**
- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
 - **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
 - **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
 - **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST

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

Can’t Attend? Order the CD/Manual Package:
A full recording of this seminar is available for \$279, which includes shipping and handling. This learning method does not qualify for the continuing education requirements of Ohio architects, engineers, AIA members, ICC members or examiners and inspectors. Please allow five weeks from the seminar date for delivery.

Registration

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Middleburg Heights, OH - Wednesday, November 14, 2018

How to Register		Registrant Information	
Online: www.halfmoonseminars.org		Name: _____	
		Company/Firm: _____	
Phone: 715-835-5900		Address: _____	
		City: _____ State: _____ Zip _____	
Fax: 715-835-6066		Occupation: _____	
		Email: _____	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Phone: _____	
		Additional Registrants:	
Complete the entire form. Attach duplicates if necessary.		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: <i>Mastercard, Visa, American Express, or Discover</i>	
Credit Card Number: _____	
Expiration Date: _____ CVV2 Code: _____	
Cardholder Name: _____	
Billing Address: _____	
City: _____ State: _____ Zip: _____	
Signature: _____	
Email: _____	