

Agenda

Presented by Ryan R. Roy, PE

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 IBC Ch. 17
Baltimore, MD - Thursday, April 11, 2019

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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.



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Receive an overview of program guidelines and special inspector qualifications

Review special inspections of soil and foundations, concrete and masonry, steel, wood construction, fire-resistant materials and exteriors

Understand seismic and wind resistance inspections

Understand load testing and material and test standards

Discuss discrepancy documentation, tracking and resolution

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW LUs/CE Hours

7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Building)

Contractors

Non-Credit Continuing Ed.



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Faculty

Ryan R. Roy, PE *Whitestone Associates, Inc.*

Mr. Roy is a licensed professional engineer in 13 states and the District of Columbia and has managed projects throughout the Northeastern and Mid-Atlantic regions of the United States. As regional manager, Mr. Roy manages Whitestone’s Rocky Hill, Connecticut, and Southborough, Massachusetts, offices and is responsible for Whitestone’s New England operations. Mr. Roy has extensive experience in geotechnical engineering, construction materials testing and inspection, and environmental services. Mr. Roy has served as the special inspector coordinator and agent on thousands of projects ranging from small retail buildings to municipal co-generation facilities throughout the Northeast. He has also reviewed the variations that exist between special inspections programs throughout the United States. Additionally, he has completed numerous forensic investigations of existing buildings ranging from cosmetic damage to degradation of concrete and structural steel in older structures.

Seminar Information

Radisson Hotel at Cross Keys 100 Village Square, 5100 Falls Road Baltimore, MD 21210 (410) 532-6900	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
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Tuition
\$289 for individual registration
\$269 for three or more simultaneous registrations.

Included with your registration! Complimentary continental breakfast and printed seminar manual. Registrations does not include a copy of the Code itself.

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

Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**
Thurs., Feb. 21, 2019, 11:00 AM -12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 21, 2019, 1:00 -2:30 PM CST
- **Deep Foundation Design in Cold Regions**
Fri., Feb. 22, 2019, 11:00 AM -12:30 PM CST
- **Foundation Construction in Cold Regions**
Fri., Feb. 22, 2019, 1:00 -2:00 PM CST

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

Soil Mechanics and Retaining Wall Design

- **Soil Investigation and Classification**
Wed., Feb. 27, 2019, 11:00 AM -1:00 PM CST
- **Retaining Walls: What They Do and How They Do It**
Wed., Feb. 27, 2019, 1:30 -2:30 PM CST
- **Geosynthetics and Retaining Walls**
Thurs., Feb. 28, 2019, 11:00 AM -1:30 PM CST
- **Retaining Wall Failures and Fixes/Site Layout and Prevention**
Thurs., Feb. 28, 2019, 2:00 -4:00 PM CS

Handling Ethical Issues in Professional Engineering Practice

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

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers in Maryland. HalfMoon Education is an approved continuing education provider for Maryland engineers.

This course offers 7.0 HSW LUs/continuing education hours to Maryland architects. Courses approved by the American Institute of Architects are accepted in Maryland.

The American Institute of Architects has approved this seminar for 7.0 HSW Learning Units (Sponsor number J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, 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 activity for .7 CEUs in the specialty area of Building.

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity for continuing education credit.

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.

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	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
Registrant Information	
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Phone: _____	
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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 - **\$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**.

(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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