

# 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 International  
Building Code Chapter 17  
Manchester, NH - Wednesday, June 13, 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.

**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 International Building Code Chapter 17

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**Receive** an overview of program guidelines and special inspector qualifications

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

**Explore** seismic and wind resistance inspections

**Understand** load testing and material and test standards

**Discuss** discrepancies and reinspections

### Continuing Education Credits

**Professional Engineers**  
7.0 PDHs

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

**Home Inspectors**  
7.0 Continuing Ed. Hours

**International Code Council**  
.7 CEUs (Building)

**Contractors**  
Non-Credit Continuing Ed.



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# Faculty

**Ryan R. Roy, PE** *New England Regional Manager for Whitestone Associates*

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. He 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. Mr. Roy 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.

## Here's what past attendees had to say about the program and presenter Ryan Roy:

*"Great presenter, tons of good information."* - Structural Engineer

*"Very well spoken, answered all questions."* - General Contractor

*"Learned a lot. Will definitely recommend."* - Civil PE

*"Interesting, lively speaker."* - Architect

# Seminar Information

## The Executive Court Banquet Center

1199 South Mammoth Road  
Manchester, NH 03109  
(603) 626-4788

Registration 8:00 - 8:30 am	Lunch (On your own) 12:30 - 1:30 pm
Morning Session 8:30 am - 12:30 pm	Afternoon Session 1:30 - 5:00 pm

## Tuition

**\$279** for individual registration

**\$259** for three or more simultaneous 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 a job description, go online to [www.halfmoonseminars.org](http://www.halfmoonseminars.org).

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://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.

# Additional Learning

## Webinar Series

### Community Solar and Rooftop Solar

- **Community Solar**  
Wed., May 2, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**  
Thurs., May 3, 2018, 11:00 AM - 2:15 PM CDT

### Complying with Fire and Building Codes

- **Introduction to Fire Protection and Life Safety Design**  
Thurs., May 3, 2018, 11:00 AM - 12:30 PM CDT
- **Occupancy Classifications**  
Thurs., May 3, 2018, 1:00 - 2:30 PM CDT
- **Means of Egress**  
Fri., May 4, 2018, 11:00 AM - 1:00 PM CDT
- **Fire Protection Features and Occupancy Exercises**  
Fri., May 4, 2018, 1:30 PM - 3:30 PM CDT

For more information and other online learning opportunities visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

### Pavement Design

- **Principles of Pavement Design**  
Thurs., May 10, 2018, 11:00 AM - 12:30 PM CDT
- **Flexible Pavement Design**  
Thurs., May 10, 2018, 1:00 - 2:30 PM CDT
- **Rigid Pavement Design**  
Fri., May 11, 2018, 11:00 AM - 12:30 PM CDT
- **Pavement Drainage and Maintenance**  
Fri., May 11, 2018, 1:00 PM - 2:30 PM CDT

### Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**  
Thurs., May 17, 2018, 11:00 AM - 12:30 PM CDT
- **Shallow Foundation Design in Cold Regions**  
Thurs., May 17, 2018, 1:00 - 2:30 PM CDT
- **Deep Foundation Design in Cold Regions**  
Fri., May 18, 2018, 11:00 AM - 12:30 PM CDT
- **Foundation Construction in Cold Regions**  
Friday, May 18, 2018, 1:00 - 2:00 PM CDT

### Proposal Writing

- Tues., May 22, 2018, 11:00 AM - 3:30 PM CDT

## Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states, except Florida architects. This course also offers 7.0 continuing education hours to New Hampshire home inspectors. Educators and course are not subject to preapproval in New Hampshire.

This seminar is approved by the American Institute of Architects 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, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved architect continuing education sponsor in New York.

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

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

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 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

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How to Register	
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	
<b>Phone:</b> 715-835-5900	
<b>Fax:</b> 715-835-6066	
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> Attach duplicates if necessary.	
<b>Registrant Information</b> Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____  <b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____ Phone: _____  <small>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.</small>	
( )  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: \_\_\_\_\_

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