

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
Essex Junction, VT - Thursday, December 6, 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

Essex Junction, VT - Thursday, December 6, 2018



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

Continuing Education Credits

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

Professional Engineers
7.0 PDHs

Understand seismic and wind resistance inspections

Understand load testing and material and test standards

Discuss discrepancy documentation, tracking and resolution

International Code Council
.7 CEUs (Building)

Contractors
Non-Credit Continuing Ed.



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



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. He 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, Mr. Roy 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 seminar and presenter Ryan Roy:

"Ryan presented the material very clearly." – *Structural Engineer*

"Great job. . . . Learned a lot. Will definitely recommend." – *Civil Engineer*

"Knowledgeable presenter with relevant real life experience." – *MEP/FP Engineer*

"Interesting, lively speaker." – *Architect*

Seminar Information

The Essex Resort & Spa

70 Essex Way
Essex Junction, VT 05452
(802) 878-1100

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.

Each registration includes a complimentary continental breakfast and printed seminar manual. Registration 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 CD/manual package. You may also send another person to take your place.

Additional Learning

Webinar Series

HEC-RAS Webinar Series

- **Hydraulic Principles and Applications**
Thurs., Oct. 18, 2018, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Fri., Oct. 19, 2018, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Fri., Oct. 19, 2018, 1:30 - 3:30 PM CDT

Construction Cost Estimating

- **Introduction to Cost Estimating**
Thurs., Oct. 25, 2018, 11:00 AM - 12:30 PM CDT
- **Cost Components – A Closer Look at the Estimates**
Thurs., Oct. 25, 2018, 1:00 - 3:00 PM CDT
- **Cost Estimate Organization and Examples**
Fri., Oct. 26, 2018, 11:00 AM - 1:00 PM CDT
- **Cost Estimating Topics**
Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

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

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

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 all states, except Florida architects. Educators and courses for architects are not subject to preapproval in Vermont.

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.

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 continuing education sponsor New York architects.

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

This seminar offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity with a continuing education requirement.

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

Special Inspections under International Building Code Chapter 17

Essex Junction, VT - Thursday, December 6, 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: _____	
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Additional Registrants:	
Name: _____	
Occupation: _____	
Email: _____	
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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 - **\$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*

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