

Agenda

Presented by Sean Flint

Overview of Special Inspections

History, terminology and definitions
Duties of responsible parties
Agency approval and accreditations
Inspector qualifications
Statement of special inspections and special inspection agreements
Structural observations

Steel Fabrication, Bolting and Welding

Fabrication, approved facilities and fabricator QC program
Welder and welding inspector qualifications/certifications
Welded connections, WPS and testing
Bolted connections, fastener qualification and inspection/testing procedures
Pre-engineered metal buildings

Concrete

Concrete reinforcement, placement, testing and inspection
Curing, consolidation, hot and cold weather concrete
Prestressed concrete, precast concrete, shotcrete

Masonry

Inspection frequency, tables A-C
Material test methods – unit strength and prisms
Block/brick placement, reinforcing and grouting
Hot and cold weather requirements

Wood, Cold-Formed Steel, Wind and Seismic

AWC and AISI publication references in IBC
Wood and CFS material standards, fasteners and connections
Lateral framing inspection practices and procedures
Additional requirements for special inspection of systems for seismic resistance/isolation

Soils

Shallow foundations, in-situ conditions and fill placement
Driven deep foundations
Cast-in-place deep foundations Helical pile foundations

SFRM, EIFS, Fire Penetrations, Smoke Control

Spray-applied fire resistive material inspection and testing
Exterior insulation and finish systems
Fire-resistant materials
Smoke control inspection

Material Standards and Load Tests

Design strength of materials and alternative test procedures
In-situ load tests Pre-construction load tests

SI Ethics, Non-Conformances, Final Reports

Inspector authority, conflicts and “soft skills”
Discrepancy documentations, tracking and resolution
Final report issues, required documentation and distribution

Special Inspections under International Building Code Chapter 17
Seattle, Washington - Tuesday, March 26, 2019



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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Learn the history of special inspection requirements

Review inspection processes for concrete and masonry

Examine material test methods

Learn about steel fabrication and

pre-engineered metal buildings

Explore shallow and deep foundations

Discuss special inspections ethics, non-conformances, and final reports

Continuing Education Credits

Professional Engineers

Non-Credit Continuing Ed. (WA)
7.0 PDHs (Other States)

Architects

7.0 HSW PDHs
7.0 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.

International Code Council

.7 CEUs (Building)



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Sean Flint *Project Manager/Technical Director, O'Neill Service Group*

Mr. Flint works as a project manager and technical director for O'Neill Service Group, a firm engaged in construction quality assurance inspection and materials inspection in Redmond, Washington, and an educator in several disciplines of special inspection. He began his career in special inspection in 1999 for AAR Testing Laboratory in Redmond, working on a wide variety of commercial structures. In 2012 Mr. Flint accepted the position of quality testing supervisor and technical director for O'Neill Service Group. Notable projects include the SR520 Eastside Corridor upgrades as part of the floating bridge replacement projects and the Sound Transit Link light rail S 200th extension. In 2004 he began presenting courses for the Northwest Council of Engineering Labs, a consortium of material testing agencies in the Puget Sound region that provides classroom training for special inspectors. Courses currently presented by Mr. Flint include concrete placement and batch plant inspection, reinforced concrete inspection, structural masonry, shotcrete, lateral wood/cold formed steel framing inspection and proprietary anchors inspection. Mr. Flint has also been part of the pilot program for the ACI/CRSI certified anchor installer program for contractors in the Puget Sound region.

Here's what past attendees had to say about the program and presenter Sean Flint:

"Very knowledgeable presenter." – *Professional Engineer*

"Sean did a great job." – *Special Inspector*

"Nice balance of technical and practical." – *Engineer*

Seminar Information

Best Western Plus Executive Inn

200 Taylor Avenue North
Seattle, Washington 98109
(206) 448-9444

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:15 pm
Lunch (On your own)
12:15 - 1:15 pm
Afternoon Session
1:15 - 5:00 pm

Tuition

\$289 for individual registration
\$269 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.

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.

Continuing Education Credit Information

This seminar is open to the public and offers a 7.0 hour continuing education opportunity to Washington professional engineers (not required for license renewal), which will qualify for 7.0 PDHs in other states. This course offers 7.0 HSW PDHs to Washington architects. Educators and courses are not subject to preapproval in Washington.

This seminar 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 (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSSED 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 event 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 board with mandatory continuing education.

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

Webinar Series

Off-Grid Master Class

- **Off-Grid Master Class, Part I**

Wed., Feb. 6, 2019, 11:00 AM -2:15 PM CST

- **Off-Grid Master Class, Part II**

Thurs., Feb. 7, 2019, 11:00 AM -2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**

Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST

- **Meeting Requirements in IBC and ADA Standards**

Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

Special Inspections

- **Introduction to Chapter 17: Special Inspections**

Wed., Feb. 13, 2019, 11:00 AM -12:30 PM CST

- **Soils and Foundations**

Wed., Feb. 13, 2019, 1:00 -2:30 PM CST

- **Reinforced Concrete and Structural Steel**

Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST

- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**

Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

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

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

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

Special Inspections under International Building Code Chapter 17

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Code:	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066		Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____ Occupation: _____ Email: _____ Phone: _____
Complete the entire form. Attach duplicates if necessary.		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**.

(Please allow four 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: _____