

Agenda

Presented by Michael L. Savage, Sr., MCP, CBO, CFPS, CEI-M

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 Chapter 17
of the International Building Code**
Live, Interactive Webinar - Wednesday, April 17, 2024

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PO Box 278
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Learning Objectives

You'll be able to:

Receive an overview of the special inspection process, including general program guidelines, special inspector qualifications, and report distribution.

Discuss soil and foundation inspections, including considerations for shallow and deep foundations.

Discuss concrete reinforcement, placement, testing, and inspection.

Explore steel inspections, including shop fabrication, welds, and bolted connections.

Examine design strengths of materials and in-situ load tests.

Discuss discrepancy documentation, tracking, and resolution.



HalfMoon Education Live Webinars

Special Inspections Under Chapter 17 of the International Building Code

Live, Interactive Webinar - Wednesday, April 17, 2024



Review special inspections program guidelines and the inspection process

Understand soil and foundation inspections

Discuss concrete and masonry construction inspections

Identify inspection requirements for wood, steel, wind and seismic design

Examine material standards and load tests

Explore ethics, non-conformances, and final reports

Continuing Education Credits

Professional Engineers
7.0 PDHs

Architects
7.0 HSW CE Hours
7.0 AIA LU | HSW

International Code Council
.7 CEUs (Building)



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Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 12:25 - 12:55 pm CDT
Morning Session 8:30 am - 12:25 pm CDT	Afternoon Session 12:55 - 4:20 pm CDT

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Faculty

Michael L. Savage, Sr., MCP, CBO, CFPS, CEI-M
Director of Building Safety for Marion County, Florida
Mr. Savage has been in the inspection field for more than 25 years. He has been a plans examiner, a combination inspector, a chief inspector and chief building official. Mr. Savage has completed plan reviews and inspections on all types of structures from single-family dwellings, decks and sheds to micro-breweries and manufacturing/industrial facilities. He currently serves as the director of building safety/building official for Marion County, Florida. Mr. Savage holds 42 International Code Council certifications, including master code professional and certified building official. In addition, he is a NFPA-certified fire protection specialist (CFPS) and IAEI certified electrical inspector – master. He is also licensed as a building, electrical, plumbing, and mechanical inspector in the State of Maryland, and he is a qualified electrical inspector in the State of Delaware. Mr. Savage is also licensed as a building, electrical, plumbing and mechanical inspector in the State of New Mexico. He is actively involved in the code making processes and holds committee memberships on such bodies as NFPA, IAEI and UL, and he is a member of the International Code Council (ICC) Board of Directors. Mr. Savage's past positions include the following: president of the Central New Mexico Chapter of Building Officials, president of the IAEI NM Chapter, ICC Region XI Development Committee and past president and Executive Council member of Region XI. Mr. Savage was appointed to the ICC-Evaluation Services Board of Managers in 2015, the ICC Compliance Code Action Committee (CCAC) and the ICC Code Correlation Committee (CCC). He has taught, and implemented, special inspections programs throughout the country resulting in safer, code-compliant buildings.

Additional Learning

- Using RSMeans Data to Create Cost Estimates**
- Friday, March 15, 2024 | 9:00 am - 4:30 pm CDT
- 2021 International Residential Code: Plumbing Systems**
- Tuesday, March 19, 2024 | 12:00 - 4:30 pm CDT
- Cold Climate Residential Design**
- Wednesday, March 20, 2024 | 9:00 am - 4:00 pm CDT
- Sustainable Site Design**
- Wednesday, March 20, 2024 | 8:30 am - 4:00 pm CDT
- Forensic Engineering Concepts & Case Studies**
- Friday, March 22, 2024 | 7:30 am - 4:00 pm CDT
- Foundation and Retaining Wall Damage and Repair: Science, Materials, and Techniques**
- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT
- Current Issues for New England Engineers**
- Monday, March 25, 2024 | 7:30 am - 3:00 pm CDT

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
7.0 HSW LUs (AIA)

- Electrical Basics for Building Professionals: Understanding and Calculating Electrical Loads**
- Tuesday, March 26, 2024 | 9:00 am - 12:15 pm CDT
- Electrical Basics for Building Professionals: Residential Electrical Circuit Design**
- Tuesday, March 26, 2024 | 1:00 - 4:15 pm CDT
- Complying with the Uniform Plumbing Code 2021**
- Tuesday, March 26, 2024 | 9:00 am - 4:30 pm CDT
- Residential and Small Commercial Roof Design and Construction**
- Thursday, March 28, 2024 | 9:00 am - 4:30 pm CDT
- 2021 International Residential Code: Electrical Systems**
- Tuesday, April 2, 2024 | 12:00 - 4:30 pm CDT
- Commercial and High-End Residential Deck Design and Construction**
- Wednesday, April 3, 2024 | 9:00 am - 4:00 pm CDT

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