

Agenda

Presented by James A. D’Aloisio, P.E., LEED AP

Overview of Special Inspections

- Scope and timeline
- Statement of special inspections and testing
- Special inspector and testing agent qualifications, accreditation
- Contracts and conflicts of interest
- Pre-construction meeting
- Jobsite protocol

Soils and Foundation Inspection and Testing

- Soil inspection vs geotechnical consultant
- Existing soil conditions
- Deep foundations

Masonry Inspection and Testing

- Reinforced masonry pre-grout inspection
- Grouting inspection
- Grout testing, mortar prism testing

Concrete Inspection and Testing

- Preplacement inspection of forms and reinforcement
- Concrete sampling and testing
- Concrete inspection
- Post-placement inspection: curing, etc.

Steel Inspection and Testing

- Inspection of steel frames
- Shop fabrication
- Bolt inspection and testing
- Connection details
- Weld inspection and testing
- Pre-engineered metal buildings

Other Steel Inspections

- Steel decking
- Cold-formed steel framing
- Open-web steel joists
- Cold-formed steel trusses

Wood Construction

- Inspection of wood structural elements:
 - Wood fasteners and connections
 - Architectural wall panels
 - Plate-connected wood trusses

Other Inspections

- Fire-resistant materials
- Smoke control
- Exterior insulation and finish systems (EIFS)

Seismic and Wind Resistance

- Seismic requirements
- Wind resistance – observations
- Inspections, tests, observations

Load Tests and Material and Test Standards

Discrepancies and Reports

- Reports and discrepancy list
- Re inspections
- Resolving discrepancies
- Final report

New York Special Inspections under the IBC Chapter 17

Live, Interactive Webinar - Thursday, April 11, 2024

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Learning Objectives

You’ll be able to:

Describe the scope of and timeline for special inspections under Chapter 17 of the International Building Code.

Discuss masonry inspections, as well as pre-placement and post-placement concrete inspections.

Comply with requirements for inspection of structural steel connections, including bolts and welds.

Review inspection requirements for wood construction, and for seismic and wind resistance.

Meet requirements for fire resistance, smoke control and insulation inspections.

Explore load tests, as well as material and test standards.

HalfMoon Education Live Webinars

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Identify special inspector and testing agent qualifications

Explore required tests for soils, foundations, masonry and concrete

Discuss structural steel framing and connection inspections

Comply with inspection requirements for structural wood components and fasteners

Examine requirements for seismic and wind resistance inspections

Continuing Education Credits

Professional Engineers
7.0 PDHs

International Code Council
.7 CEUs (Building)

Architects
7.0 HSW CE Hours
7.0 AIA LU | HSW



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Webinar Information

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Faculty



James D'Aloisio, P.E., LEED AP
Principal with Klepper, Hahn & Hyatt in Syracuse
Mr. D'Aloisio is a principal with Klepper, Hahn & Hyatt, a structural engineering, landscape architecture, and building envelope services firm in East Syracuse, New York. A graduate of Rensselaer Polytechnic Institute, he is a registered professional engineer in New York and Massachusetts. Mr. D'Aloisio is a member and past president (1997-1998) of the American Society of Civil Engineers (ASCE) Syracuse Section, and a member of the American Institute of Steel Construction (AISC), the American Concrete Institute (ACI), the National Society of Professional Engineers (NSPE), and the Structural Engineers Association of New York State (SEAoNY). He is a member of ASCE/SEI's Frost-Protected Shallow Foundations Committee, the Structural Condition Assessment of Existing Buildings Committee, and the Sustainability Committee. Mr. D'Aloisio received the Order of the Engineer at Syracuse University in 1997. His 30-plus years' experience as a consulting structural engineer has primarily involved the design of new building structures, additions, and modifications, and analyses, assessments, and investigations of structures and facades. Mr. D'Aloisio has performed structural condition reviews of over 15 million square feet of buildings, and he has performed over 150 structural forensic investigations. He has presented over 300 times.

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 New York and all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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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).

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7.0 HSW LUs (AIA)

Additional Learning

- International Residential Code 2021**
- Friday, March 1, 2024 | 7:30 am - 4:00 pm EST
- Residential Energy Efficiency Code Compliance and Stretch Code Requirements**
- Thursday, March 7, 2024 | 9:30 am - 5:30 pm EST
- Practical Fluid Mechanics**
- Friday, March 8, 2024 | 9:30 am - 4:30 pm EST
- Water Damage Events: Scope, Risks, and Accountability in Remediation**
- Monday, March 11, 2024 | 10:00 am - 6:00 pm EDT
- NFPA 99: Health Care Facilities Code**
- Tuesday, March 12, 2024 | 10:00 am - 5:30 pm EDT
- Wayfinding for Designers and Building Professionals**
- Wednesday, March 13, 2024 | 10:00 am - 1:00 pm EDT
- Thursday, March 14, 2024 | 10:00 am - 1:00 pm EDT
- Current Issues in New Urbanism**
- Thursday, March 14, 2024 | 10:00 am - 5:00 pm EDT
- Using RSMeans Data to Create Cost Estimates**
- Friday, March 15, 2024 | 10:00 am - 5:30 pm EDT
- 2021 International Residential Code: Plumbing Systems**
- Tuesday, March 19, 2024 | 1:00 - 5:30 pm EDT
- Sustainable Site Design**
- Wednesday, March 20, 2024 | 9:30 am - 5:00 pm EDT
- Forensic Engineering Concepts & Case Studies**
- Friday, March 22, 2024 | 8:30 am - 5:00 pm EDT
- Foundation and Retaining Wall Damage and Repair: Science, Materials, and Techniques**
- Friday, March 22, 2024 | 10:00 am - 5:30 pm EDT
- Designing and Constructing Slab-on-Grade Foundations**
- Tuesday, March 26, 2024 | 10:00 am - 1:00 pm EDT
- Designing and Constructing Spread Footing Foundations**
- Tuesday, March 26, 2024 | 2:00 - 5:00 pm EDT
- Electrical Basics for Building Professionals: Understanding and Calculating Electrical Loads**
- Tuesday, March 26, 2024 | 10:00 am - 1:15 pm EDT
- Electrical Basics for Building Professionals: Residential Electrical Circuit Design**
- Tuesday, March 26, 2024 | 2:00 - 5:15 pm EDT
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