

Agenda

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

Overview of Special Inspections under International Building Code

General program guidelines under International Building Code (IBC)
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
Pre-stressed 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



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Special Inspections Under Chapter 17 of the International Building Code

Live, Interactive Webinar - Thursday, October 10, 2024

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Learning Objectives

You'll be able to:

Discuss special inspector qualifications and accreditation.

Comply with requirements for shallow and deep foundation inspections.

Review provisions for masonry construction inspections and structural steel inspections.

Understand inspection requirements for wood, cold-formed steel, wind and seismic design.

Comply with inspection requirements for exterior finishes, fire resistance and smoke control.

Understand provisions on the design strength of materials and alternative test procedures.



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Special Inspections Under Chapter 17 of the International Building Code

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Get an overview of special inspection requirements

Review requirements for soil and foundation inspections

Comply with provisions on concrete and masonry inspections

Understand inspection requirements for steel, cold-formed steel and wood construction

Explore requirements for exterior insulation, fire resistance and smoke control

Discuss materials standards and load tests

Continuing Education Credits

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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

Online - Thursday, October 10, 2024

Log into Webinar 8:30 - 9:00 am CDT	Break 1:00 - 1:30 pm CDT
Morning Session 9:00 am - 1:00 pm CDT	Afternoon Session 1:00 - 5:00 pm CDT

Tuition
\$339 for individual registration.
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Faculty

James A. 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 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 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. 24GP00049300) 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
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7.0 HSW LUs (AIA)

Additional Learning

- 2024 International Building Code: Occupancy Classifications**
- Tuesday, September 10, 2024 | 12:00 - 4:30 pm CDT
- Ethical Issues in Structural Engineering**
- Tuesday, September 10, 2024 | 10:00 - 11:00 am CDT
- Plumbing Basics for Non-Plumbing Professionals**
- Tuesday, September 10, 2024 | 8:30 am - 3:30 pm CDT
- Complying With the International Existing Building Code**
- Thursday, September 12, 2024 | 9:00 am - 5:00 pm CDT
- Dark-Sky Lighting and Ordinances**
- Thursday, September 12, 2024 | 1:00 - 3:00 pm CDT
- Complying With the International Existing Building Code**
- Thursday, September 12, 2024 | 9:00 am - 5:00 pm CDT
- Deep Dive into Green Infrastructure: Planning Practices and Techniques**
- Thursday, September 12, 2024 | 8:00 am - 12:30 pm CDT
- Designing and Constructing for Carbon Neutrality**
- Friday, September 13, 2024 | 9:00 am - 4:00 pm CDT
- Project Management for Engineers**
- Friday, September 13, 2024 | 9:00 am - 5:30 pm CDT
- Pumping and Piping Systems**
- Thursday, September 19, 2024 | 9:00 am - 12:15 pm CDT
- Friday, September 20, 2024 | 9:00 am - 12:15 pm CDT
- Reinforced Concrete Building Design and Construction**
- Thursday, September 19, 2024 | 8:30 am - 4:30 pm CDT
- Using RSMeans Data to Create Cost Estimates**
- Thursday, September 19, 2024 | 9:00 am - 4:30 pm CDT
- 2024 International Building Code: Types of Construction**
- Tuesday, September 24, 2024 | 12:00 - 4:30 pm CDT
- Distinguishing Between Construction Defects and Failures**
- Wednesday, September 25, 2024 | 1:00 - 3:00 pm CDT
- Residential Design Strategies for Cold Climates**
- Wednesday, September 25, 2024 | 9:00 am - 4:00 pm CDT
- Complying with Fair Housing Act Accessibility Requirements**
- Friday, September 27, 2024 | 9:00 am - 4:30 pm CDT
- Complying with Residential Provisions of the 2021 International Energy Conservation Code**
- Monday, September 30, 2024 | 9:00 am - 4:30 pm CDT

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