

Credit Information

New Jersey Special Inspections under the IBC Chapter 17

This webinar is open to the public and offers 7.0 CPC credits/PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in New Jersey. HalfMoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 24GP00000700).

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

This webinar has been approved by the American Institute of Architects Continuing Education System for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance is reportable to the AIA/CES. Courses approved by the AIA/CES qualify for New Jersey architects.

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

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Construction Scope of Work, Estimating and Procurement in New Jersey

This webinar is open to the public and offers 6.0 CPC credits/PDHs to professional engineers and 6.0 non-HSW continuing education hours to architects licensed in New Jersey. No credit is available for New York licensed architects and engineers. HalfMoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 24GP00000700).

This webinar has been approved by the American Institute of Architects Continuing Education System for 6.0 Elective Learning Units (Sponsor No. J885). Only full attendance is reportable to the AIA/CES. Courses approved by the AIA/CES qualify for New Jersey architects.

The International Code Council has approved this event for .6 CEUs in the specialty area of Administration (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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Live, Interactive Webinars

- New Jersey Special Inspections under the IBC Chapter 17
- Construction Scope of Work, Estimating and Procurement in New Jersey

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Live, Interactive Webinars

New Jersey Special Inspections under the IBC Chapter 17

- Wednesday, February 23, 2022 | 8:30 am - 4:30 pm EST

Construction Scope of Work, Estimating and Procurement in New Jersey

- Thursday, February 24, 2022 | 8:30 am - 3:30 pm EST

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

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HalfMoon Education Live Webinars



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Architects: 7.0 HSW CE Hours AIA: 7.0 LU | HSW
International Code Council: .7 CEUs (Building)



Construction Scope of Work, Estimating and Procurement in New Jersey

Thursday, February 24, 2022 | 8:30 am - 3:30 pm EST

Credits: Professional Engineers: 6.0 CPC Credits/PDHs*
Architects: 6.0 Non-HSW CE Hours* AIA: 6.0 LU | Elective*
International Code Council: .6 CEUs (Administration)
*No credit given for NY architects or engineers

AIA
Continuing
Education
Provider



New Jersey Special Inspections under the IBC Chapter 17

Wednesday, February 23, 2022 | 8:30 am - 4:30 pm EST (incl. a 30-min break)

Tuition: \$289 per registrant, \$239 per registrant for three or more

Credits: Professional Engineers: 7.0 CPC Credits Architects: 7.0 HSW CE Hours
AIA: 7.0 LU|HSW International Code Council: .7 CEUs (Building)

Agenda

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
- Connection details
- Shop fabrication
- Weld inspection and testing
- Bolt inspection and testing
- Pre-engineered metal buildings

Other Steel Inspections

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

Wood Construction

- Inspection of wood structural elements
- Wood fasteners and connections
- Architectural wall panels
- Metal plate-connected wood trusses

Other Inspections

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

Seismic and Wind Resistance

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

Load Tests and Material and Test Standards

Discrepancies and Reports

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

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Agenda

Purpose and Importance of Establishing an Accurate Scope of Work

- Purposes of scope of work
- Contents of scope of work
 - Project overview
 - Project deliverables
 - Project scope
 - Schedule
 - Management framework

Workshop: Creating an Accurate and Comprehensive Scope of Work for a Small Commercial Project in New Jersey

- Importance of good organization and clear writing
- Overview
- Deliverables
- Materials
- Budget
- Goals
- Drawings and images
- Schedule
- Responsibilities

Estimating a Project from the Scope of Work

- Reviewing the SOW, specifications and drawings
- Bidding on the right projects
- Performing construction takeoffs
- Creating estimates
- Accounting for overhead and profit

Workshop: Estimating Construction Materials and Services for a Small Commercial Project in New Jersey

- Earthwork and excavation
- Pavements
- Concrete structures
- Wood structures
- Steel structures
- Masonry
- Floors
- Roofing
- Interiors
- Finishes

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Faculty

New Jersey Special Inspections under the IBC Chapter 17

James D'Aloisio, P.E., SECB, 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, Mr. D'Aloisio is a registered professional engineer in New York and Massachusetts, and he has been certified by the Structural Engineering Certification Board (SECB) since its inception in 2007. He 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). Mr. D'Aloisio is a member of ASCE/SEI's Frost-Protected Shallow Foundations Committee, the Structural Condition Assessment of Existing Buildings Committee, and the Sustainability Committee, and he is a member of Committee ACI 318-N. He is a trained infrared thermographer. 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. Specialties include detailing to minimize structural thermal bridging, the use of alternative structural systems and design approaches that can reduce the CO2 emissions of structures and foundations. Mr. D'Aloisio has been involved in numerous special inspection projects, including developing statements of special inspections, performing inspections, and facilitating discrepancy resolutions. He has also performed over 150 structural forensic investigations, and he has presented over 300 times.

Construction Scope of Work, Estimating and Procurement in New Jersey

Ha Yeung (Henry) Yu, P.E., P. Eng., PMP, LEED Green Associate, CTS, is a senior cost engineer at the Port Authority of New York and New Jersey. He is a licensed professional engineer in New York State and the Provinces of Alberta and British Columbia, Canada; a Project Management Professional (PMP); a LEED Green Associate and a AVIXA Certified Technology Specialist, who possesses extensive experience in planning and management for diversified domain construction projects ranging from medium to large-scale industries, which gives him an in-depth understanding of engineering design and construction management. He also provides on-call service as a FEMA Substantial Damage Estimator.

His area of expertise includes heavy civil construction, cost estimating, value engineering, project scheduling, feasibility studies, risk assessment, asset management and lifecycle cost analysis. He has conducted cost estimating training programs by invitation of the New York City Economic Development Corporation, and he has been teaching the cost estimating and project management lectures for more ten years for the New York City Local 3 electricians, plumbers, carpenters and workers of other trades at the SUNY Empire State College and the Mechanics Institute of the General Society of Mechanics and Tradesmen.

Additional Learning

Handling Ethical Issues in Construction

- Tues, Jan 18, 2022 | 4:00 - 6:00 pm EST

Timber Frame Design and Construction

- Wed, Jan 19, 2022 | 10:00 am - 5:30 pm EST

Construction Cost Estimating

- Thurs, Jan 20, 2022 | 9:30 am - 5:30 pm EST

IRC Significant Changes – Chapters 11-44

- Thurs, Jan 20, 2022 | 12:00 - 3:30 pm EST

Current Issues in Landscape Architecture for the Eastern US

- Fri, Jan 21, 2022 | 8:30 am - 5:00 pm EST

Erosion and Sediment Control

- Tues, Jan 25, 2022 | 9:30 am - 6:00 pm EST

New York Slope Stabilization and Landslide Prevention

- Mon, Jan 31, 2022 | 8:30 am - 4:30 pm EST

2021 International Property Maintenance Code

- Wed, Feb 2, 2022 | 10:00 am - 5:00 pm EST

New York Erosion and Sediment Control

- Thurs, Feb 3, 2022 | 8:30 am - 4:30 pm EST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org