

Credit Information

Preventing and Addressing Construction Defects and Failures in New Jersey

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in New Jersey. HalfMoon Education is an approved continuing education sponsor for engineers in New Jersey (Approval No. 24GP00049300).

The New Jersey State Board of Architects recognizes courses approved by the American Institute of Architects (AIA) as sources of continuing education.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 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 is not pre-approved by any licensing boards and may not qualify for the same credits; 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: 6.0 HSW LUs (AIA)

Complying with Special Inspection Requirements under the New Jersey Building Subcode

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New Jersey Building Webinars:

- Preventing and Addressing Construction Defects and Failures
- Complying with Special Inspection Requirements under the New Jersey Building Subcode

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Preventing and Addressing Construction Defects and Failures in New Jersey

- Tuesday, October 8, 2024 | 8:30 am - 3:30 pm EDT

Complying with Special Inspection Requirements under the New Jersey Building Subcode

- Friday, November 1, 2024 | 8:30 am - 4:30 pm EDT

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Tuesday, October 8, 2024 | 8:30 am - 3:30 am EDT

Tuition: \$339 per registrant
\$309 per attendee for group registrations of two or more from the same company, at the same time, for the same program.

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AIA: 6.0 HSW LUs | International Code Council: .6 CEUs (Building)

Agenda:

Distinguishing between Construction Defects and Failures *S. Nudelman
J. Natale*

Defining defects
Causes of defects: problems with design, materials and/or construction
Identifying design and construction practices that could increase/decrease the likelihood of defects
Defining failures
Causes of failures: deterioration, unintended use, “Acts of God”
Identifying practices that can increase/decrease the likelihood of failures

Examining Common Defects and Failures *S. Nudelman
J. Natale*

Analyzing defects and failures for methodology and causality

- Site selection and engineering
- Building design
- Foundation design and construction
- Design and construction of floors, walls and roofing
- Exploring defects and failures in mechanical and electrical systems

Adopting Practices that Reduce Defects and Failures *J. Cohen*

Reviewing proposed use and preparing construction documents
Complying with building codes and standards
Choosing materials and construction techniques
Construction site communication, coordination and other practices that minimize problems
Monitoring construction
Quality assurance and quality control
Correcting problems before project completion
Documentation
Site safety

Preventing and Resolving Disputes Generated by Defects and Failures *J. Greenberg Vogt
B. Peyzner*

Identifying parties with potential liability
Understanding theories of liability and defenses to liability
Acting to remediate defects/failures
Participating in conflict resolution procedures
Reviewing types of damages and how they are calculated
Insurance coverage issues

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Agenda:

History and Overview of Special Inspections

Chapter 17 of the New Jersey Building Subcode
Statement of special inspections Referenced standards
Special inspector qualifications Testing and inspection agency accreditation
Forms, schedules and agreements
Pre-construction meeting

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

Non-conformances, Final Reports and Ethical Issues

Understanding inspector authority Resolving non-conformances
Ethical responsibilities of parties Issuing and distributing final report

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Faculty

Preventing and Addressing Construction Defects and Failures in New Jersey

Steven Nudelman
Partner at Greenbaum, Rowe, Smith & Davis LLP in Red Bank, New Jersey

Joseph A. Natale
Attorney with Greenbaum, Rowe, Smith & Davis LLP in Roseland, New Jersey

Boris Peyzner
Partner in Mandelbaum Barrett PC’s Litigation Practice Group in Roseland, New Jersey

James Cohen
Professional Engineer, James Consulting in Richboro, Pennsylvania

Jacqueline Greenberg Vogt
Chair of the Construction Law Group at Mandelbaum Barrett PC., in Roseland, New Jersey

Complying with Special Inspection Requirements under the New Jersey Building Subcode

Justin Biller, P.E., FSFPE, MCP, CFPS, CBO
Owner and Principal Fire Protection Engineer at Emerson Graham + Associates, Roanoke, VA

For more information on the presenters, including full biographies:
Please visit www.halfmoonseminars.org or scan the QR code

Additional Learning

2024 International Building Code: Special Uses and Mixed Uses
- Tuesday, October 8, 2024 | 1:00 - 5:30 pm EDT

Air-Source Heat Pumps for Residential and Small Commercial Buildings
- Tuesday, October 8, 2024 | 10:00 am - 5:50 pm EDT

Handling Ethical Issues in Construction Management
- Tuesday, October 8, 2024 | 11:00 am - 12:00 pm EDT

Special Inspections Under Chapter 17 of the International Building Code
- Thursday, October 10, 2024 | 10:00 am - 6:00 pm EDT

Construction Contracting
- Tuesday, October 15, 2024 | 10:00 am - 6:00 pm EDT

How to Calculate Soil Volumes for Cut and Fill
- Wednesday, October 16, 2024 | 2:30 - 5:30 pm EDT

Internal Design of MSE Walls and Geosynthetics
- Wednesday, October 16, 2024 | 11:00 am - 2:15 pm EDT

2024 International Building Code: Fire Protection
- Tuesday, October 22, 2024 | 1:00 - 5:30 pm EDT

Construction Manager at Risk (CMAR) Project Management System
- Tuesday, October 22, 2024 | 10:00 am - 5:00 pm EDT

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