Agenda

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, 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-resistant 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

Learning Objectives

You’ll be able to:
- **Describe** special inspection requirements for site preparation and foundations.
- **Comply** with special inspection requirements for concrete reinforcement and placement, and for masonry units, mortar, and grout.
- **Meet** special inspection requirements for exterior insulation and finishes, and for fire resistance and smoke control.
- **Review** requirements for design strength of materials and for load tests.

Special Inspections under the International Building Code
Chapter 17
Springfield, IL - Tuesday, April 21, 2020

International Code Council
7 CEUs (Building)

Structural Engineers
7.0 Continuing Ed. Credit Hours

Architects
7.0 HSW Contact Hours
7.0 AIA LU|HSW

Professional Engineers
7.0 PDHs

Contractors
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You can earn Continuing Education Credits by attending this course.

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Presented by Vince Fratinardo, P.E., S.E., RRC

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Vince Fratinardo, P.E., S.E., RRC
Mr. Fratinardo is a civil/structural engineer and roof consultant. His 20 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management, and 13 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 25 different tornado events, and Hurricanes Irene, Sandy, Matthew, Harvey, Irma, Maria and Florence. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Mechanical Engineering.

Mr. Fratinardo has 13 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Having served as an expert witness in both state and federal courts, he has provided both trial and depositions testimony in cases involving complex building damage and failure.

Mr. Fratinardo's area of expertise includes forensic structural engineering and building code analysis, with specific focus on damage from severe weather events such as tornadoes, flood, wind, ice and high winds. In his role as an expert witness, Mr. Fratinardo has testified in numerous cases involving severe weather claims. Mr. Fratinardo has experience in evaluating both the design and the construction of buildings and mechanical systems, and he has provided expert testimony on the loss causation and damage analysis of storms in the Midwest, including the devastating tornadoes in 2013.

Mr. Fratinardo has 25 years of experience in structural engineering, with special focus on severe weather damage. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 25 different tornado events, and hurricanes Irene, Sandy, Matthew, Harvey, Irma, Maria and Florence. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Mechanical Engineering.

Here's what past attendees had to say about the program and presenter Vince Fratinardo:

"Vince is a good presenter, clear and keeps you interested." — Architect

"I'd go to listen to him again." — Civil Engineer

"The class manual was awesome." — Senior Building Inspector, Building Official

Seminar Information

President Abraham Lincoln
Springfield Doubletree
701 East Adams Street
Springfield, IL 62701
(217) 544-8800

Tuition
$299 for individual registration
$279 for three or more simultaneous registrations.

Included with your registration:
Complimentary continental breakfast and printed seminar manual.

How to Register
Visit us online at www.halfmoonseminars.org
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This seminar is open to the public and offers 7.0 PDHs to professional engineers, 7.0 continuing education credit hours to structural engineers, and 7.0 HSW continuing education hours to architects. 

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Registration
Special Inspections under the International Building Code Chapter 17
Springfield, IL - Tuesday, April 21, 2020

How to Register
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