

HalfMoon Education Live Continuing Education Webinars

Special Inspections under International Building Code, Chapter 17

Online

Tuesday, March 14, 2023 | 12:00 - 4:00 pm CDT

Wednesday, March 15, 2023 | 12:00 - 4:00 pm CDT

Credits:

Professional Engineers: 7.0 PDHs

Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW

International Code Council: .7 CEUs (Building)

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Webinar Agenda

Agenda Day One: Tuesday, March 14, 2023

12:00 – 4:00 pm CDT (including a 30-min. break)

Overview of Special Inspections

- IBC Code required reports and other paperwork
- Precedence of statewide code, IBC code, reference codes and standards
- Roles of special inspector, architect, engineer, building official and contractor
- Statement of special inspections – what’s the real purpose of this document?

Soil, Foundation and Geotechnical Investigations 101

- GEO investigation required by code
- Understanding the GEO report
- Code required special inspections
- Code required laboratory tests
- Verifying soil bearing capacity
- Types of foundations
- Periodic and continuous field tests
- Role of Engineer of Record (EOR)

Concrete Special Inspections According to ACI 318-14

- First concrete code reorganization in 50 years – lots of changes
- What testing and special inspections does the concrete code require
- Concrete mix designs – how do you know they comply with new code?
- Important roles of ACI 318 (CODE) and ACI 301 (SPECS) at the job site
- Reinforcing steel special inspections

Structural Steel Special Inspections

- Shop fabrication tests/inspection
- WPS and WPQR finally explained
- AISC 360 Chapter N (quality assurance)
- Types of bolted connections
- Pre-engineered metal building and AC 472
- AWS D1.1 welding special inspections
- What does AISC special inspections terms “observe” and “perform” really mean?

Agenda Day Two: Wednesday, March 15, 2023

12:00 – 4:00 pm CDT (including a 30-min. break)

Masonry Special Inspections According to TMS 402/602-16

- Three old QA inspection tables combined into one new table
- Level A, B, C Special inspections or Level 1, 2, 3 – What’s the difference?
- Understanding ASTM C 270 and ASTM C 780 – mortar confusion clarified
- Constant failing sands and mortar field tests – does the code really care?
- Code required special inspections on mortar and concrete masonry units (CMU)

Sprayed Fire-Resistant Materials (SFRM) According to IBC

- Frequency of thickness tests and density tests according to the CODE
- Bond strengths – adhesion/cohesion
- SFRM special inspections on high-rise buildings
- When does the code allow SFRM to be applied onto painted steel
- SFRM code changes due to NIST Investigations on 9-11 collapse studies

AISI S240-15 NEW Standard for Cold-Formed Steel Framing

- Merges six old AISI standards into just one standard and supersedes them
- S240 creates new Chapter D for QA and special inspection purposes
- AISI S 240 was created especially for cold-formed steel light-frame construction
- S240 includes code-required qualifications for manufacturers, installers, and inspectors
- S240 lists special inspections required prior to, during and after installation

Presented by

Alan S. Tuck

Executive Director of Code Compliance and Training with Froehling & Robertson, Inc., in Roanoke, VA

Tuition

\$319 for individual registration
\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

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.

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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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AIA: 7.0 LU/HSW

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