

Agenda

Presented by Jerry R. Tepe, FAIA

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, testing 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

Non-Structural Inspections

- Exterior insulation and finish systems (EIFS)
- Fire resistant materials and sprayed fire-resistive material
- Fire resistant penetrations and joints
- Smoke control systems

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

Special Inspections under the 2018 International Building Code Chapter 17
Live, Interactive Webinar - Monday, January 11, 2021



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Learning Objectives

You'll be able to:

Receive an overview of the special inspection process, including general program guidelines, special inspector qualifications, and report distribution.

Discuss soil and foundation inspections, including considerations for shallow and deep foundations.

Discuss concrete reinforcement, placement, testing, and inspection.

Comply with requirements for steel inspections, including shop fabrication, welds, and bolted connections.

Discuss design strengths of materials and in-situ load tests.

Handle non-compliances, including discrepancy documentation, tracking, and resolution.

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HalfMoon Education Online Learning Special Inspections under the 2018 International Building Code Chapter 17

Live, Interactive Webinar - Monday, January 11, 2021



Review special inspections program guidelines and the inspection process

Understand soil and foundation inspections

Discuss concrete and masonry construction inspections

Comply with requirements for steel, wood, wind and seismic inspections

Discuss materials standards and load tests

Explore ethics, non-conformances, and final reports

Continuing Education Credits

Professional Engineers

6.0 CPC Credits

International Code Council

.6 CEUs (Building)

Architects

6.0 HSW Continuing Ed. Hours

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Jerry R. Tepe, FAIA *Owner at JRT - AIA Architect, in Concord, New Hampshire*

Mr. Tepe is a licensed architect. In practice for more than 40 years, he has been both a member and an officer of large E/A firms and a sole practitioner. His project experience ranges from single-family dwellings to large, multi-million dollar commercial and industrial facilities. As a sole proprietor, his firm specializes in building, fire and accessibility code (ADA) consulting to architects, contractors, insurance and legal professionals and private entities, including third-party plan reviews and accessibility inspections. Mr. Tepe has been active in the code development process through the AIA since joining the AIA Codes and Standards Committee in 1987. With the creation of the International Code Council (ICC), he participated in the initial development of the International Building Code on the General/Occupancies Subcommittee and was the chair of that group for two terms. Mr. Tepe was a member of the International Fire Code Development Committee for two terms and also of the IBC Fire Safety and Egress Code Development Committees. Additionally, he served a term on the ICC Code Correlation Committee. He has made numerous presentations to conference audiences on topics related to building code enforcement and interpretation issues. Mr. Tepe has held all offices at both the state level (AIANH) and the regional level (AIA New England). He was active in the legislative process in New Hampshire to adopt the first statewide set of building codes. He has taught numerous code and accessibility related issues in New Hampshire, New England and at BOCA, ICC, BSA and AIA conferences. He is a past chair of the Building Code Board of Appeals in Concord, New Hampshire. He has also served on several other code and building related state and local committees and groups and is a past chair of the AIA Center for Building Science and Performance Knowledge Community.

Webinar Information

Log into Webinar 8:00 - 8:30 am EST	Break 12:00 - 1:00 pm EST
Morning Session 8:30 am - 12:00 pm EST	Afternoon Session 1:00 - 4:00 pm EST

Tuition

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Additional Learning

International Existing Building Code 2018

- Wed, Dec 16, 2020 | 8:30 am - 4:30 pm CST

Structural Forensic Engineering

- Wed, Dec 16, 2020 | 10:00 am - 1:45 pm CST

- Thur, Dec 17, 2020 | 10:00 am - 2:15 pm CST

International Residential Code 2018

- Fri., Dec 18, 2020 | 8:30 am - 4:45 pm CST

Preventing and Addressing Construction Defects and Failures

- Mon, Dec 21, 2020 | 8:30 am - 5:00 pm CST

Residential and Small Commercial International Energy Conservation Code

- Tues, Dec 29, 2020 | 9:30 am - 4:30 pm CST

Deep Foundations and Excavations

- Wed, Dec 30, 2020 | 9:00 am - 4:30 pm CST

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This webinar is open to the public and offers 6.0 CPC credits/PDHs to professional engineers and 6.0 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).

This webinar has been approved by the American Institute of Architects Continuing Education System for 6.0 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 .6 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).

Registration

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