

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

C. Moulder

Soil and Foundation Inspections

- Existing soil conditions
- Site preparation
- Shallow foundations
- Deep foundations

C. Moulder

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

C. Moulder

Steel Inspections

- Shop fabrication
- Welds
- Bolted connections
- Pre-engineered metal buildings

C. Moulder

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

C. Moulder

Exterior Insulation/Finishes and Fire Resistance/Smoke Control

- Exterior insulation and finish systems
- Fire resistant materials and sprayed fire-resistive material
- Smoke control

M. Fiebig

Material Standards and Load Tests

- Design strength of materials and alternative test procedures
- In-situ load tests
- Pre-construction load tests

C. Moulder

Ethics, Non-Conformances and Final Reports

- Inspector authority, conflicts and “soft skills”
- Discrepancy documentation, tracking and resolution
- Final report, required documentation and distribution

M. Fiebig

Special Inspections under the International Building Code Chapter 17 and Applicable Texas Concerns

Live, Interactive Webinar - Thursday, October 28, 2021

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PO Box 278
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Learning Objectives

You'll be able to:

- Identify** general program guidelines and special inspector qualifications.
- Review** inspection requirement for shallow and deep foundations.
- Comply** with requirements for concrete inspections, and for mortar, grout and masonry reinforcement.
- Meet** inspection requirements for structural steel fabrication and steel connections.
- Identify** required inspections for wood and cold-formed steel framing.
- Define** inspection requirements for wind and seismic resistance.
- Discuss** material standards and load tests.



HalfMoon Education Live Webinars

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| Identify the qualifications needed to be a special inspector | Review framing inspection practices for wood and cold-formed steel |
| Explore requirements for steel fabrication, bolting and welding | Examine requirements for fire-resistant materials |
| Discuss inspection and testing of concrete and masonry | Study material standards and review load testing procedures |

Continuing Education Credits

Professional Engineers 7.0 PDHs	AIA 7.0 LU HSW
Architects 7.0 HSW CE Hours	International Code Council .7 CEUs (Building)



Christopher Moulder, PE *Technical Director at Pie Consulting and Engineering*
Mr. Moulder is a licensed professional engineer in seven states and has over 20 years' experience in structural engineering. He is proficient in the design, analysis and rehabilitation of residential and commercial building systems. Having done both new construction and rehabilitation projects, Mr. Moulder has developed a portfolio of knowledge of what works and does not work for a structure's performance. Currently Mr. Moulder serves as the technical director for Pie Consulting & Engineering and works out of their Texas offices in The Colony. Mr. Moulder has been with Pie since 2008, and he is a veteran of the United State Marine Corps.

Michael Fiebig, RA, AIA, NCARB, LEED GA, CFPS, SBSA, Inc
Mr. Fiebig holds a Bachelor of Environmental Design degree from the University of Colorado, Boulder, and a Master of Architecture degree from the University of Colorado, Denver. He is a licensed architect in several states, and he provides both consulting and design services to clients throughout the country. Mr. Fiebig is an active member of the American Institute of Architects, as well as an NCARB certificate holder. He is a LEED green associate, as well as a certified fire protection specialist, credentialed through the National Fire Protection Association. As a forensic architect, Mr. Fiebig provides analysis of architectural standard of care in design and construction projects, with special emphasis on multi-family residential projects.

He performs cause and origin analyses of building system installations and failures, including roofing systems, window and door systems, exterior wall cladding systems, waterproofing, and foundation systems, with a specialization in passive fire-resistive assemblies and active fire-protection systems. He provides premises liability analysis regarding slip/trip and fall accidents and accessibility code compliance, and he provides maintenance and inspection procedure analysis with an emphasis on NFPA 25: Standard for the inspection, testing, and maintenance of water-based fire protection systems. As well, he performs damage assessments on existing facilities related to storms, accidents, fire, and natural disasters. As a design architect, Mr. Fiebig provides traditional design services for residential and light commercial buildings, and provides code consulting for clients, specializing in life/safety, egress, and fire protection code requirements to assist clients in properly designing and detailing these critical elements of design and construction. He also provides traditional services during construction including construction observations and special inspections when required by the jurisdiction of authority. Mr. Fiebig's experience includes several trial and deposition testimonies regarding design, construction, and the built environment, as well as mediation and arbitration support for litigation purposes. Mr. Fiebig holds active memberships in many professional organizations including AIA, NCARB, NFPA, USGBC, NICET, and others. He is a published writer in *Common Ground*, the national magazine for the Community Associations Institute.

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This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW CEPHs/continuing education hours to architects licensed in Texas. Educators and courses are not subject to preapproval in Texas.

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

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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).

Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit. Self-study packages do not qualify for AIA credit.

Drones in Construction

- Tues, Sept 28, 2021 | 9:30 am - 5:00 pm CDT

- Wed, Sept 29, 2021 | 11:00 am - 1:00 pm CDT

- Thurs, Oct 14, 2021 | 8:00 am - 4:00 pm CDT

- Fri, Oct 15, 2021 | 8:30 am - 5:00 pm CDT

- Fri, Oct 15, 2021 | 8:00 am - 3:30 pm CDT

- Mon, Oct 18, 2021 | 8:30 am - 4:30 pm CDT

- Tues, Oct 19, 2021 | 11:00 am - 2:45 pm CDT

- Wed, Oct 20, 2021 | 11:00 am - 2:45 pm CDT

- Fri, Oct 29, 2021 | 1:30 - 6:00 pm CDT

- Fri, Nov 5, 2021 | 1:30 - 6:00 pm CDT

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Phone:
715-835-5900

Fax:
715-835-6066

Mail:
HalfMoon Education Inc.,
PO Box 278, Altoona, WI
54720-0278

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