

Agenda

Soil and Foundations

Building code requirements
Evaluate existing soil and groundwater conditions
Examples of shallow and deep foundations
Poor soils, slope stability, retaining walls
Construction inspection

R. Rabeler

Concrete and Masonry Construction Inspections

Concrete quality, placement, testing and inspection
Curing concrete, hot- and cold-weather concrete
Pre-stressed and post-tensioned concrete
Hardened concrete testing and cracking issues
Masonry inspection and material testing
Masonry units, mortar, and grout

R. Rabeler

Steel Inspections

Shop fabrication and site
Welds
Bolted connections
Fireproofing

R. Rabeler

Lessons Learned from Construction Failures

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

R. Rabeler

J. Agee

Exterior Insulation/Finishes and Fire Resistance/Smoke Control

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

J. Agee

Material Standards and Load Tests

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

J. Agee

Ethics, Non-Conformances and Final Reports

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

J. Agee

Special Inspections Under the Michigan Building Code Chapter 17

Live, Interactive Webinar - Thursday, April 29, 2021

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Learning Objectives

You'll be able to:

Describe special inspection requirements for site preparation, foundations, and concrete quality and placement.

Identify special inspection requirements for structural steel components, welds and connections.

Meet inspection requirements for wood and cold-formed steel framing, and for wind and seismic design.

Comply with inspection requirements for insulation, fire resistance and smoke control.

Discuss inspector authority as well as discrepancy documentation and resolution.



HalfMoon Education Online Learning Special Inspections Under the Michigan Building Code Chapter 17

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Explore special inspection requirements for soils and foundations

Examine concrete and masonry construction inspections

Discuss steel inspections and lessons learned from construction failures

Study wood, cold-formed steel, wind and seismic design inspections

Learn about exterior insulations/finishes

Explore material standards and load tests

Continuing Education Credits

Professional Engineers

7.0 MI PDHs

Architects

7.0 MI HSW CE Hours

AIA

7.0 LU | HSW

International Code Council

.7 CEUs (Building)

AIA
Continuing
Education
Provider



Faculty

Robert (Bob) C. Rabeler, PE *Rabeler Associates, LLC*
Recently retired Senior Vice President and Principal of SME in Michigan

Mr. Rabeler has 45 years of geotechnical and materials testing experience on major building and transportation projects throughout the Midwest. Mr. Rabeler also serves as forensic engineer and expert witness providing evaluations or expert opinion in legal cases involving geotechnical engineering failures. He is a licensed professional engineer in six states, and a geotechnical engineer by training. Since joining SME in 1983, he has served as a regional manager, project manager and project director. He currently serves on SME's Board of Directors. Because of his expertise, Mr. Rabeler has been sought out to perform more than 30 ASFE/GBA peer reviews of other firms across the USA and Canada. Mr. Rabeler has been active in many professional organizations, including ASCE. He has been the state-wide vice-president for MSPE, president of ACEC of Michigan, chair of ASFE/GBA Peer Review committee and member of the Board of Directors, and on the Board of Directors for SMPS/Michigan. His expertise has earned him a number of awards including Young Engineer of the Year in 1986 by the Grand Valley Chapter of MSPE, Engineer of the Year in 1992 by the Grand Valley Chapter of MSPE; Outstanding Engineer in Private Practice by MSPE & ACEC of Michigan in 1997, MSPE Fellow in 2003, and Vern B. Spaulding Leadership Award from ACEC of Michigan in 2017.

Webinar Information

Log into Webinar 8:00 - 8:30 am EDT	Break 12:30 - 1:30 pm EDT
Morning Session 8:30 am - 12:30 pm EDT	Afternoon Session 1:30 - 5:00 pm EDT

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Continuing Education Credit Information

This webinar offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in Michigan.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. J885). Only full attendance 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).

Engineers and architects seeking continuing education in other states will be able to claim the hours earned from this webinar, in many cases. Refer to specific state rules to determine eligibility.

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).

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Order the Webinar as a Self-Study Package!
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.

Jared Agee, MCP-CBO
Director of Building and Code Enforcement, St. Charles County, MO

Mr. Agee is the Director of Building and Code Enforcement for St. Charles County, Missouri. Previously, he worked in urban and suburban municipal governments managing building code enforcement, facilities, and information technology. Prior to his public sector positions, Mr. Agee worked in the construction industry in design and project management.

He has an undergraduate degree in Architectural and Mechanical Design and a graduate degree in Public Administration and Policy Analysis. As a master code professional, Mr. Agee is one of approximately 800 people to obtain the highest level of certification from the International Code Council. He currently holds a total of 28 certifications in building, energy, plumbing, mechanical, electrical, and accessibility areas.

Mr. Agee is a former president of the Missouri Association of Building Officials and Inspectors (MABOI). In addition, he founded Regimen Consulting LLC, which provides code training and technology consultation to various organizations across the country.

Additional Learning

Designing for Climate Resilience
- Thurs, Mar 25, 2021 | 11:00 am - 2:45 pm CDT
- Fri, Mar 26, 2021 | 11:00 am - 2:45 pm CDT

Composite Steel, Concrete and Mass Timber Buildings
- Fri, Mar 26, 2021 | 9:00 am - 4:25 pm CDT

Handling Ethical Issues in Construction Contracting
- Fri, Mar 26, 2021 | 10:00 - 11:00 am CDT

Complying with Fair Housing Act Accessibility Requirements
- Tues, Mar 30, 2021 | 8:30 am - 4:45 pm CDT

2021 International Residential Code: Residential Structural Construction
- Thurs, April 1, 2021 | 11:00 am - 3:30 pm CDT

Net-Zero Energy Home Design Workshop
- Tues, April 6, 2021 | 11:00 am - 2:15 pm CDT
- Wed, April 7, 2021 | 11:00 am - 2:15 pm CDT
- Fri, April 9, 2021 | 11:00 am - 2:15 pm CDT

IBC International Building Code 2021
- Thurs, April 8, 2021 | 8:30 am - 4:20 pm CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org

Registration

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Complete the entire form. Attach duplicates if necessary.	
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() I need special accommodations. Please contact me.	
Tuition () I will be attending the live webinar. Single Registrant - \$289.00 . Three or more registrants from the same company registering at the same time - \$199.00 each. () I am not attending. Please send me the webinar recording: ☐ Streamable MP4 Video/PDF Manual for \$299.00 . ☐ USB Video/PDF Manual for \$299.00 .	
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