

# Agenda

Presented by Michael W. Berry, P.E., C.W.I., M.S.I.

## Introduction to Chapter 17: Special Inspections

Overview of Chapter 17  
Responsibilities of owner, architect, inspector, and contractor  
Default values of each discipline  
Final letter of special inspections

## Soils and Foundations

Basics of a geotechnical report  
Alternative options other than undercutting  
Types and the need for soil testing  
Unsuitable vs. unusable  
Foundation testing for non-inspectors  
PSI vs. PSF  
Preliminary budget estimates for mass grading

## Reinforced Concrete and Structural Steel

Concrete breaks are low: what now?  
Air entrainment  
Basics of field inspections of reinforced steel and concrete  
What is a moment of connection and why is it important?  
Field inspections of bolted connections

## ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations

Acoustical ceiling tile: seismic category C vs. D  
Installation and inspection of ACT  
Field inspections of fire penetrations and joints  
Importance of cleanliness for installations of epoxy anchors  
Questions and discussion

Special Inspections Under International Building  
Code Chapter 17  
Atlanta, GA - Wednesday, May 23, 2018

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## Learning Objectives

### You'll be able to:

**Explore** the responsibilities of the owner, architect, inspector, and contractor.

**Evaluate** geotechnical reports.

**Identify** types of soil tests and determine when they are needed.

**Define** "moment of connection" and understand why it is important.

**Discuss** field inspections of bolted connections, fire penetrations and joints.



## Special Inspections Under International Building Code Chapter 17

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**Receive** an introduction to special inspections under chapter 17 of the IBC

**Learn** the basics of a geotechnical report

**Get** tips on foundation testing for non-inspectors

### Continuing Education Credits

**Professional Engineers**  
6.0 PDHs

**Architects**  
6.0 Public Protection PDU  
6.0 AIA HSW Learning Units

**Understand** the need for soil testing and review types of tests

**Explore** field inspections of reinforced steel and concrete

**Discuss** inspections of acoustical ceiling tile, epoxy anchors and fire penetrations

**International Code Council**  
.6 CEUs (Building)



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# Faculty

**Michael Berry, P.E., C.W.I., M.S.I.** has over five years of experience working for third party testing and inspection firms and performs daily inspection and testing for local municipality jurisdictions, South Carolina Office of School Facilities, and South Carolina Office of State Engineer. He specializes in performing International Building Code (IBC) Chapter 17 special inspections, earthwork and site work inspections and testing; assisting with mechanical, plumbing, building, and electrical inspections; and consulting and code interpretation of IBC, NFPA, AWS D1.1, ASME IX, ASME B31.1, ASME B31.3. He is a registered South Carolina professional engineer, master special inspector for reinforced concrete, structural masonry, SFRM, and high strength bolting, certified welding inspector (CWI), and commercial Chapter 1 inspector. Mr. Berry also has SCDOT Earthwork, Concrete, and HMA QC level 1, along with South Carolina CEPSCI, certifications. Currently he is the vice president of the Columbia Tip Club and has been appointed to the Exam Development Committee for the soils special inspector exam for the term of January 1, 2017, to December 31, 2019.

# Seminar Information

**Hyatt House/Cobb Galleria**  
3595 Cumberland Blvd. SE  
Atlanta, GA 30339  
(770) 541-2960

Registration  
8:00 - 8:30 am  
Morning Session  
8:30 - 11:45 am  
Lunch (on your own)  
11:45 am - 12:45 pm  
Afternoon Session  
12:45 - 4:00 pm

## Tuition

**\$279** for individual registration  
**\$259** for three or more registrations.

*Registration does not include a copy of the Code itself.*

*Each registration includes a complimentary continental breakfast and printed seminar manual.*

**Receive a reduced tuition rate of \$101** by registering to be our on-site coordinator for the day. For availability and job description, please visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org).

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

**Cancellations:** Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

## Continuing Education Credit Information

This seminar is open to the public and offers 6.0 PDHs to Georgia professional engineers and 6.0 Public Protection PDU to Georgia architects. Educators and courses are not subject to preapproval in Georgia.

This seminar is approved by the American Institute of Architects for 6.0 HSW Learning Units (Provider No. J885). Only full attendance can be reported to the AIA/CES.

Architects and engineers seeking continuing education credit in other states will be able to apply the hours earned at this seminar. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved architect continuing education sponsor in New York.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

## Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

# Additional Learning

## April Webinar Series

### The Distributed Battery Webinar Series

- **The Distributed Battery Webinar, Part I**  
Wed., April 4, 2018, 11:00 AM - 2:15 PM CDT
- **The Distributed Battery Webinar, Part II**  
Thurs., April 5, 2018, 11:00 AM - 2:15 PM CDT

### AutoCAD 2018 Beginners 2-D Course

- **Create a Drawing**  
Thurs., April 5, 2018, 11:00 AM - 12:30 PM CDT
- **Edit a Drawing**  
Thurs., April 5, 2018, 1:00 - 2:30 PM CDT
- **View and Display a Drawing**  
Fri., April 6, 2018, 11:00 AM - 12:30 PM CDT
- **Print, Plot or Print File**  
Fri., April 6, 2018, 1:00 PM - 2:30 PM CDT

### Special Inspections

- **Overview of Special Inspections**  
Wed., April 11, 2018, 11:00 AM - 12:30 PM CDT
- **Steel, Wood and Cold-Formed Steel**  
Wed., April 11, 2018, 1:00 - 2:30 PM CDT
- **Concrete, Masonry and Soils**  
Thurs., April 12, 2018, 11:00 AM - 1:00 PM CDT
- **Fire-Resistant Materials and Material Standards**  
Thurs., April 12, 2018, 1:30 PM - 2:30 PM CDT

### Shallow Foundations

- **Evaluating Building Sites**  
Thurs., April 19, 2018, 11:00 AM - 12:30 PM CDT
- **Shallow Foundation Design**  
Thurs., April 19, 2018, 1:00 - 2:30 PM CDT
- **Special Considerations in Foundation Design and Construction**  
Fri., April 20, 2018, 11:00 AM - 1:00 PM CDT
- **Soil Improvement and Foundation Diagnosis and Repair**  
Friday, April 20, 2018, 1:00 - 2:30 PM CDT

### Erosion and Sediment Control

- **Basics of Site Stormwater Regulations and Requirements**  
Wed., April 25, 2018, 11:00 AM - 12:00 PM CDT
- **Structural and Non-Structural Erosion and Sediment Control Best Practices**  
Wed., April 25, 2018, 12:30 PM - 2:30 CDT
- **Site Planning**  
Thurs., April 26, 2018, 11:00 AM - 1:00 PM CDT
- **Long-term Post Construction Management Practices**  
Friday, April 20, 2018, 12:30 PM - 2:30 CDT

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

# Registration

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How to Register	
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	
<b>Phone:</b> 715-835-5900	
<b>Fax:</b> 715-835-6066	
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> Attach duplicates if necessary.	
<b>Registrant Information</b> Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____	
<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	

( ) I need special accommodations. Please contact me.

## Tuition

( ) **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

( ) **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

**Checks:** Make payable to HalfMoon Education Inc.

**Credit Card:** *Mastercard, Visa, American Express, or Discover*

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