

Seminar Agenda

Presented by Paul Bosela Jr., P.E., LEED AP

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
Pre-stressed 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

Exterior Insulation/Finishes and Fire Resistance/Smoke Control

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

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 International
Building Code Chapter 17
Worthington, OH - Tuesday, June 27, 2017

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

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



Special Inspections under International Building Code Chapter 17



Worthington, OH
Tuesday, June 27, 2017

Identify general program guidelines and special inspector qualifications

Study key elements of soil and foundation inspections

Review concrete reinforcement, placement, testing, and inspection

Understand wood and CFS materials standards, and lateral framing inspection practices

Analyze exterior insulation and finish systems

Continuing Education Credits

Architects
7.0 HSW CE Hours
7.0 AIA HSW Learning Units

Professional Engineers
7.0 PDHs

International Code Council
.7 CEUs - Building

Contractors
Non-Credit Continuing Ed.



Faculty

Paul Bosela Jr., P.E., LEED AP *Bosela Forensic Engineering Consultants, LLC*

Mr. Bosela is a licensed professional engineer (Ohio and Pennsylvania) and is an accredited professional in Leadership in Energy & Environmental Design (LEED). He has investigated numerous failure cases and/or performance-related problems for private clients and is responsible for determining the cause and extent of damage to structures, including, but not limited to, roof truss failures, roof collapses, foundation failures, storm-related damage, etc. He earned his Bachelor's and Master's degrees in Civil Engineering from Cleveland State University and previously worked in the construction industry for a prominent construction manager/general contractor on some high-profile projects, such as The Cleveland Museum of Art and the Cleveland Cavaliers Training Facility. In addition, Mr. Bosela worked as a structural engineer providing design and analysis for structural products for the construction sector and as a structural design engineer for sports, commercial and industrial markets. Some of the construction products include, adjustable steel columns, telescoping posts and insulated concrete form (ICF) bracing. For the telescoping posts, he developed a design approach for providing a safe load capacity. Mr. Bosela has also worked with several product evaluation and testing agencies in the U.S. and Canada.

About the Seminar

Holiday Inn Columbus/Worthington
7007 North High Street
Worthington, OH 43085
(614) 436-0700

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:30 pm
Lunch (On your own)
12:30 - 1:30 pm
Afternoon Session
1:30 - 5:00 pm

Tuition

\$279 for individual registration
\$259 for three or more simultaneous registrations. Each registration includes one copy of the seminar manual.

Four Easy Ways to Register Today!

Register online at www.halfmoonseminars.org, mail in the registration form to **HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278**, fax the form to (715) 835-6066, or call a customer service representative 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 up to 7.0 HSW continuing education hours to architects and 7.0 PDHs to professional engineers in most states. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Partial attendance cannot be reported to the AIA.

HalfMoon Education is an approved continuing education sponsor for architects in Florida and is deemed an approved sponsor in New York. 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.

The International Code Council has approved this event for .7 CEUs in the specialty area of Building.

This course offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor board for mandatory continuing education.

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.

CD/Manual Package: A full recording of this seminar is available for \$289, which includes shipping and handling. This learning method does not qualify for the continuing education requirements of Ohio engineers, AIA, ICC, or Ohio contractors. Please allow five weeks from the seminar date for delivery.

Webinar Series

Handling Ethical Issues in Professional Engineering Practice

Fri., June 9, 10:00 - 11:00 AM CDT

Pavement Design

- **Principles of Pavement Design**
Thurs., June 15, 11:00 AM - 12:00 PM CDT
- **Flexible Pavement Design**
Thurs., June 15, 12:30 - 2:30 PM CDT
- **Rigid Pavement Design**
Fri., June 16, 11:00 AM - 1:00 PM CDT
- **Maintenance, Rehabilitation and Sustainability of Pavements**
Fri., June 16, 1:30 - 3:30 PM CDT

SketchUp: In-Depth Modeling Techniques for Building Professionals

- **SketchUp Good Modeling Practices and Techniques**
Mon., June 19, 3:00 - 4:30 PM CDT
- **Resolving Complex Roofs in SketchUp**
Tues., June 20, 3:00 - 4:30 PM CDT
- **Creating Animations and Movies in SketchUp**
Wed., June 21, 3:00 - 4:30 PM CDT
- **Continuous Backgrounds for the SketchUp Model or Animation**
Thurs., June 22, 3:00 - 4:30 PM CDT
- **Introducing Google Earth Geolocation into the Model**
Fri., June 23, 3:00 - 4:30 PM CDT

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part 1**
Wed., June 7, 11:00 AM - 3:15 PM CDT
- **Solar Photovoltaic Project Design and Development, Part II**
Thurs., June 8, 11:00 AM - 2:15 PM CDT

Community Solar, Residential Solar, and Solar Batteries

- **Community Solar**
Wed., June 14, 11:00 AM - 2:15 PM CDT
- **Introduction to Residential Solar**
Wed., June 21, 11:00 AM - 2:15 PM CDT
- **Solar Battery Management Systems**
Wed., June 28, 11:00 AM - 2:15 PM CDT

For more information visit:

www.halfmoonseminars.org/webinars/

Registration

Special Inspections under International Building Code Chapter 17

Worthington, OH - Tuesday, June 27, 2017

| How to Register | |
|---|----------|
| Online: www.halfmoonseminars.org | |
| Phone: 715-835-5900 | |
| Fax: 715-835-6066 | Key Code |
| Mail: HalfMoon Education Inc. PO Box 278, Altoona, WI 54720-0278 | |
| Complete the entire form. Attach duplicates if necessary. | |
| Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____ | |
| Additional Registrants: 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*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____