

Agenda

Presented by Art J. Hunkele, P.E., MASCE

Wood Frame Fundamentals for Residential and Small Commercial Buildings

- Introduction
- Elements in common to wood and light gauge steel design and construction
- Forces acting on any structure
- Load combination
- Load path
- Fire resistance considerations
- Short history of wood construction and development of conventional wood framing
- Governing codes
- Sawn lumber, engineered lumber
- Basic building elements; floor, wall and roof framing
- Pre-manufactured wood trusses and bracing diaphragms
- Connections/fastener and adhesives
- Connections and fasteners

Steel Frame Fundamentals for Residential and Small Commercial Buildings

- Development of cold formed steel framing
- Governing codes
- Design considerations
- Connections and fasteners
- MEP accommodation and coordination

Special Topics

- Decks and balconies
- Special floor system considerations for stone and tile floors
- Sustainability and the Forest Stewardship Council
- Timber frame mid- to high-rise construction trends
- Cross-laminated lumber (CLT)

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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.

Wood Frame and Steel Frame Design and Construction
Cincinnati, OH - Thursday, May 31, 2018

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Learning Objectives

You'll be able to:

Identify building elements that are common to both wood and steel design and construction.

Discuss wood frame design considerations, governing codes, types of lumber, and fire-resistance considerations.

Explore pre-manufactured wood trusses and bracing diaphragms.

Learn about the governing codes for wood and steel frame construction.

Examine examples of connections and fasteners for wood and steel construction.



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Examine wood and steel fundamentals for residential and small commercial buildings

Discuss forces acting on building structures

Explore governing codes for wood and steel frame construction

Analyze construction design and discuss connections and fasteners

Learn about sustainability and discuss trends in the timber frame industry

Continuing Education Credits

Architects

6.5 HSW Continuing Ed. Hours
6.5 AIA HSW Learning Units

International Code Council

.65 CEUs (Building)

Professional Engineers

6.5 CPD Hours/PDHs



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Faculty

Art J. Hunkele *P.E., MASCE, Cincinnati*

Mr. Hunkele, principal, of New Millenium Building Engineers, LLC, founded the company with his wife/office manager in 2005. His company serves the light commercial, and residential markets specializing in foundation, and structural failure investigation, repair design and structural detailing design for new construction. Mr. Hunkele serves architects, realtors, building owners, solar panel dealers, contractors and buyers and sellers of residential and light commercial building projects. He is a member of national, state and local organizations of the American Society of Civil Engineers and the National Society of Professional Engineers. Mr. Hunkele is also a National Academy of Building Inspection Engineers board certified inspector. Before New Millennium Building Engineers, LLC, he was with a well-known national/international construction management firm for 28 years.

Seminar Information

Holiday Inn Eastgate (I-275E)
4501 Eastgate Blvd.
Cincinnati, OH 45245
(513) 752-4400

Tuition

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

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

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
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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. You may also send another person to take your place.

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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW continuing education hours to architects and 6.5 PDHs to professional engineers in all states, excluding Florida architects. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J8850). Only full attendance can be reported to the AIA/CES.

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The International Code Council has approved this event for .65 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.

Additional Learning

Webinar Series

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 - 12:30 PM CDT
- **Soil Improvement and Foundation Diagnosis and Repair**
Friday, April 20, 2018, 1:00 - 2:30 PM CDT

Land Description Workshop

- **Land Description Basics**
Fri., Apr. 20, 2018, 9:00 - 10:30 AM CDT
- **Interpreting Land Descriptions**
Fri., Apr. 20, 2018, 11:00 AM - 12:30 PM CDT
- **Writing Land Descriptions**
Fri., Apr. 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 - 2:00 CDT
- **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 12:00 PM CDT
- **Long-term Post Construction Management Practices**
Friday, April 20, 2018, 12:30 PM - 2:00 CDT

For more information
and other online learning opportunities visit:
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Registration

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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)

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