

Agenda

Presented by Jason Partain, M.S., P.E.

Wood Framing Systems, Code, and Special Considerations

Why wood is different than other materials

Governing codes and associations

- International Building Code and International Residential Code
- National Design Specification for Wood Construction
- Wood Frame Construction Manual

Wood framing materials

- Sawn lumber
- Structural composite lumber
- Metal plate connected trusses

Wood structure considerations

- Shrinkage
- Treatment

Wood Frame Design and Construction Techniques

Project conception and material choice

Design tools and techniques

- Roofs, floors, and walls
- Beams and columns
- Connections

Lateral design

- Horizontal diaphragms
- Shear walls
- Prefabricated shear walls

Case studies/design examples

Recommended references

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.

**Wood Frame Design for Residential
and Small Commercial Buildings**
Birmingham, AL - Friday, September 21, 2018

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Learning Objectives

You'll be able to:

Understand wood frame codes, guidelines and specifications.

Explore the benefits and drawbacks of conventional wood framing.

Get tips on using specialty products such as structural wood panels and engineered wood products.

Discuss design tools and techniques.

Learn about designing roof, floor and wall systems.

Get tips on using columns, beams, posts and trusses.



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Consider the benefits and drawbacks of conventional wood framing

Explore specialty products such as structural composite lumber

Learn about wood frame design and construction techniques

Discuss designing roof, floor and wall systems

Review case studies and design examples

Continuing Education Credits

Professionals Engineers

6.5 PDHs

Architects

6.5 HSW CEHs

6.5 AIA HSW Learning Units

International Code Council

.65 CEUs (Building)

Contractors

Non-Credit Continuing Ed.



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Faculty

Jason Partian, M.S., P.E. *MBA Engineers, Birmingham*

Mr. Partain, an associate with MBA Engineers, Inc., is a consulting structural engineer with experience in structural engineering design, forensics, and condition assessments for single and multi-family residential, commercial, institutional, and industrial structures. His design experience includes designing buildings using steel, concrete, masonry, cold-formed steel, and wood. Much of his project experience focuses on wood materials and in 2014, his design of the Habiframe, Inc., wood-framed residential tornado storm shelter was awarded the US Wood Design Awards Juror’s Choice Award. Mr. Partain is also active in engineering standards work, including with the American Wood Council, and he has published articles in both regional and national publications. Mr. Partain earned his Bachelor’s and Master’s Degrees in Civil Engineering from the University of Alabama and he holds professional engineering licensure in multiple states. Mr. Partain is the 2018 president of the Structural Engineer’s Association of Alabama.

Seminar Information

Renaissance Ross Bridge Golf Resort & Spa 4000 Grand Avenue Birmingham, AL 35226 (205) 916-7677	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 - 4:30 pm
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Tuition

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

Each registration includes a complementary 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.

How to Register

- Visit us online at 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 (CDT), 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.

Additional Learning

Webinar Series

The Distributed Battery Webinar Series

- **The Distributed Battery Webinar, Part I**
Wed., Aug. 1, 2018, 11:00 AM - 2:15 PM CDT
- **The Distributed Battery Webinar, Part II**
Thurs., Aug. 2, 2018, 11:00 AM - 2:15 PM CDT

Technical Writing

- **Technical Writing Basics**
Thurs., Aug. 9, 2018, 12:00 PM - 2:00 PM CDT
- **Planning Documents**
Thurs., Aug. 9, 2018, 2:30 - 4:30 PM CDT
- **Writing Documents**
Fri., Aug. 10, 2018, 12:00 PM - 2:00 PM CDT
- **Revising and Editing Documents**
Fri., Aug. 10, 2018, 2:30 - 4:30 PM CDT

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

Continuing Education Credit Information

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

This seminar is registered with the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

The International Code Council has approved this event for .65 CEUs in the specialty area of Building.

This program offers a non-credit continuing education opportunity to Alabama construction contractors. It has not been submitted to any state contractor licensing entity for course approval.

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:

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Handling Ethical Issues in Professional Engineering Practice

Fri., Aug. 3, 2018, 11:00 AM - 12:00 PM CDT

Foundation Damage and Repair

- **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**
Wed., Aug. 15, 2018, 11:00 AM - 12:30 PM CDT
- **Foundation-Wall Design and Construction**
Wed., Aug. 15, 2018, 1:00 - 2:30 PM CDT
- **Assessment of Foundation-Slab Damage & Repair Alternatives**
Thurs., Aug. 16, 2018, 11:00 AM - 12:30 PM CDT
- **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**
Thurs., Aug. 16, 2018, 1:00 - 2:30 PM CDT

Registration

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

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