Agenda

Topic 1 – Introduction to Engineered Wood Products
- Develop an understanding of engineered wood products terminology
- Apply common EWP installation details

Topic 2 – Specification of Engineered Wood Products
- Use manufacturer literature to properly specify engineered wood floor systems
- Size, Series and Spacing
- Produce both code book details and manufacturer details to provide clear direction for plan review and proper construction
- Identify what quantifies poor specification, but more importantly identify what constitutes proper specification

Topic 3 - Installation & Inspection of Engineered Wood Products
- Use manufacturer literature to find recommendations and proper details to be used in the installation and inspection of engineered wood floor and roof systems
- Identify bad installation through inspection and how to remedy issues

Field photo review

Topic 4 – Load Development with Engineered Wood Products
- Size and select I-joists using manufacturer literature
- Size and select beams and columns using manufacturer literature
- Load development workshop using manufacturer literature to design an EWP floor system

Topic 5 – Fire Design with Engineered Wood Products
- Summarize the differences between fire-resistive and fire-resistance-rated floor assemblies
- Recall the facts about I-joist framed floors and their fire performance as it relates to IRC codes
- Identify equivalent methods to comply with code in
  - Section R501.3 of the 2012 IRC
  - Section R302.13 of the 2015/2018 IRC
  - “The Membrane Requirement”

Topic 6 – Multifamily Construction with Engineered Wood Products
- Identify the five types of construction per IRC code
- Compare the three common methods of framing
- Recall some of the typical detailing and details regarding this type of construction
- Apply the tools and resources available to assist with multifamily structure design

Review & Evaluation

Learning Objectives

You’ll be able to:

**Properly** specify engineered lumber floor systems.
- Follow manufacturers’ recommendations to properly install engineered lumber floor systems.

**Size** engineered I-joists and structural beams.

**Apply** framing details and connections.

**Differentiate** between fire-resistive and fire-rated assemblies, and discuss the fire performance of engineered wood products.

**Use** engineered lumber components in multi-family construction in various types of building configurations.

Engineering Lumber Design and Construction
Knoxville, TN - Friday, January 31, 2020

Understand terminology of engineered lumber
- Learn how to size I-joists and structural beams

Get tips on specifying engineered wood products (EWP)
- Examine the fire performance of engineered wood products

Discuss the installation and inspection of engineered lumber floor systems
- Explore the applications for engineered wood in multi-family construction

Professional Engineers
- 7.0 HSW PDHs

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- 7.0 HSW PDHs
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Faculty

Scott Lyons  Boise Cascade Engineered Wood Products  Mr. Lyons has 15 years' experience in the building materials industry, including roofing, insulation, granite, dimensional lumber and engineered wood products. He is currently the multi-family/light commercial manager responsible for educating and driving specification for Boise Cascade engineered wood products within that segment.

Nathan Paul  Boise Cascade Engineered Wood Products  Mr. Paul has more than 20 years' experience educating and consulting with performance based designers and specifiers across North America. In his current role with Boise Cascade, he is responsible for the specification of engineered wood products within the multifamily and light commercial markets. Mr. Paul regularly gives presentations as an effective means of educating the design community.

Adam Pittman  Boise Cascade Engineered Wood Products  Mr. Pittman is a licensed professional engineer who has 17 years of experience in the engineered wood products field. In his current role with Boise Cascade, he is responsible for sales, support, and specification of engineered wood products with builders, dealers, and specifiers. Mr. Pittman is responsible for a territory that covers five states.

Seminar Information

Four Points by Sheraton Knoxville Cambridge House Hotel 1109 White Avenue Knoxville, TN 37917 865-971-4663

• 四点套面由切新塔克诺基拉科梅布斯屋亚勒特

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

Tuition $269 for individual registration $289 for three or more simultaneous registrations.

Included with your registration:

• 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.

How to Register

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• 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 $59 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 HSW PDHs/continuing education hours to engineers and architects in all states. Educators and courses are not subject to preapproval in Tennessee.

This seminar is approved by the American Institute of Architects Continuing Education Systems for 7.0 LU|HSW (Sponsor No. J885). Only full attendance is reportable to the AIA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

Boise Cascade Engineered Wood Products is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24/P00000700), North Carolina, and North Dakota. Boise Cascade Engineered Wood Products is deemed an approved continuing education sponsor for New York engineers and architects.

The International Code Council has approved this event for 7.0 CEUs in the specialty area of Building (Preferred Provider No. 1232).

This seminar offers a non-credit continuing education opportunity to construction contractors. Boise Cascade Engineered Wood Products is not seeking contractor continuing education approval in any state.

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

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at $269. 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.

Additional Learning

Webinar Series

Foundations in Cold Regions • Introduction to Foundations in Cold Regions Thurs., Feb. 20, 2020, 11:00 AM - 12:30 PM CST • Shallow Foundation Design in Cold Regions Thurs., Feb. 20, 2020, 1:00 - 2:30 PM CST • Deep Foundation Design in Cold Regions Fri., Feb. 21, 2020, 11:00 AM - 12:30 PM CST • Foundation Construction in Cold Regions Fri., Feb. 21, 2020, 1:00 - 2:00 PM CST

Soil Mechanics and Slope Stability • Soil Investigation and Classification Tues., Feb. 25, 2020, 1:00 AM - 1:00 PM CST • Reviewing Hydraulic and Mechanical Properties of Soils Tues., Feb. 25, 2020, 1:00 - 3:00 PM CST • Determining and Increasing Bearing Capacity Wed., Feb. 26, 2020, 11:30 AM - 1:00 PM CST • Determining and Increasing Slope Stability Wed., Feb. 26, 2020, 1:30 - 5:00 PM CST

Designing for Climate Resilience • Current and Anticipated Climate Effects on Structures and Communities Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST • Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns Thurs., Feb. 27, 2020, 1:00 - 3:00 PM CST • Studying the Impact of Extreme Weather Events on Structures and Communities Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST • Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST

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

Registration

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How to Register

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Complete the entire form. Attach duplicates if necessary.

Tuition

• I will be attending the live seminar. Single Registrant - $289.00. Three or more registrants from the same company registering at the same time - $269.00 each.
• I am not attending. Please send me the self-study package:
  - Downloadable MP3 Audio/PDF Manual for $269.00.
  - CD/Manual Package for $289.00.
  - USB/Manual Package $289.00 ($8 included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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