

Agenda

Topic 1 – Introduction to Engineered Wood Products

- Develop an understanding of engineered wood products terminology
- Apply common EWP installation details
- Recall proper installation methods when using engineered wood products

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 IBC 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

**Engineered Lumber
Design and Construction**

San Jose, CA - Wednesday, February 12, 2020



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

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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.



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Engineered Lumber Design and Construction

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- Understand** terminology of engineered lumber
- Get** tips on specifying engineered wood products (EWP)
- Discuss** the installation and inspection of engineered lumber floor systems

- Learn** how to size i-joists and structural beams
- Examine** the fire performance of engineered wood products
- Explore** the applications for engineered wood in multi-family construction

Continuing Education Credits

Professional Engineers
7.0 PDHs

ICC
.7 CEUs (Building)

Architects*
7.0 HSW Continuing Ed. Hours (non-credit in California)
7.0 AIA LU|HSW

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*does not qualify for California accessibility requirement



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Antony Homenock *Boise Cascade Engineered Wood Products*
Mr. Homenock is a senior area manager for Boise Cascade Engineered Wood Product Manufacturing in northern California. In this role he dedicates time to consult with the design community to position products, services and resources that offer solutions to a wide range of design and sourcing challenges relating to the use of engineered wood products. He holds a B.S. degree in Building Materials Management and Wood Technology from the University of Massachusetts, Amherst. Mr. Homenock has over 20 years of experience in the building materials, manufacturing and the construction industry.

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.

Seminar Information

Courtyard San Jose Airport
1727 Technology Drive
San Jose, CA 95110-1310
(408) 441-6111

Registration
8:00 - 8:30 am

Morning Session
8:30 am - 12:00 pm

Lunch (On your own)
12:00 - 1:00 pm

Afternoon Session
1:00 - 5:00 pm

Tuition
\$289 for individual registration
\$269 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
- 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, 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 self-study package. 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.



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, 11:00 AM - 1:00 PM CST
 - **Reviewing Hydraulic and Mechanical Properties of Soils**
Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
 - **Determining and Increasing Bearing Capacity**
Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
 - **Determining and Increasing Slope Stability**
Wed., Feb. 26, 2020, 1:30 - 3:00 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/

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.



Registration

Engineered Lumber Design and Construction

San Jose, CA - Wednesday, February 12, 2020

How to Register	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.	
Online: www.halfmoonseminars.org		
Phone: 715-835-5900		
Fax: 715-835-6066		
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278 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**.

(Please allow four weeks from seminar date for delivery)

Checks:

Make payable to HalfMoon Education Inc.

Credit Card:

Mastercard, Visa, American Express, or Discover

Credit Card Number: _____

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