

# Agenda

## Section 1 - Engineered Wood Products: Introduction and Specification (EWP 005/006)

- Develop an understanding of engineered lumber terminology
- Review proper installation methods when using engineered lumber products
- Gain a better understanding of how to properly inspect the framing for manufacture compliance
- Use manufacture literature to properly specify engineered lumber floor systems

## Section 2 - Engineered Wood Products: Specification and Inspection (EWP 006/007)

- Utilize both code details and manufacture details to provide clear direction for plan review and proper construction
- Identify what quantifies poor specification but more importantly identify what constitutes proper specification
- Learn the recommendations of a manufacturer for proper installation and inspection of engineered lumber floor systems
- Use manufacturer-provided literature to find proper details to be used in the inspection of and installation of engineered lumber floor systems
- Identify bad installation through inspection and learn how to remedy issues
- Jobsite photos – Good, bad and ugly

## Section 3 - Engineered Wood Products: Load Development (EWP 008)

- Learn how to size I-joists
- Learn how to size and select structural beams
- Acquire skills needed to apply various framing details and connections used in the engineered lumber products industry

## Section 4 – Fire Resistive and Fire Rated Assemblies with Wood (EWP 004)

- Learn the difference between fire-resistive and fire-rated assemblies; addressing and detailing for fire as it relates to building systems
- Learn the facts about engineered wood products and their fire performance
- Exception methods to comply with Section R501.3 of the 2012 IRC enable a better understanding to apply the appropriate methods and materials discussed
- Fire-rated assemblies with engineered wood products; design to meet this section of the building code

## Section 5 – Introduction to Multi-Family Construction using EWP (EWP 009)

- Develop an understanding of the types of construction classifications and load types
- Understand the common building configuration types
- Learn some of the typical construction details regarding this type of construction
- Look into the tools available from most manufacturers when designing multi-family structures

## Wrap Up and Review

## Engineered Lumber Design and Construction

Ann Arbor, MI - Thursday, November 21, 2019



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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 Continuing Ed. Hours

### Contractors

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### Architects

7.0 HSW CE Hours

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# Faculty

**Phil Bannos** *Boise Cascade Engineered Wood Products*  
Mr. Bannos is the current senior area manager for Boise Cascade. He is a State of Illinois licensed architect and has over 30 years of experience in the wood product industry. Mr. Bannos has spent his past 21 years working many roles as a design, product and area manager for Boise Cascade Co. In his current role, his primary focus is consulting sales of engineered wood products working with dealers, architects, builders and engineers. He is responsible for engineered wood products (EWP) sales through Boise Cascade Distribution Centers in Minneapolis, Chicago and Detroit. Mr. Bannos can provide an experienced and unique perspective on engineered wood products.

**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.

# Seminar Information

**Courtyard by Marriott Ann Arbor**  
3205 Boardwalk Drive  
Ann Arbor, MI 48108  
(734) 995-5900

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 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](http://www.halfmoonseminars.org).

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://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.

## Continuing Education Credit Information

This seminar is open to the public and offers 7.0 continuing education hours/PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states. Educators and courses are not subject to pre-approval in Michigan.

This course has been approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Provider No. J885). Only full attendance is reportable to the AIA/CES. Visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org) to view complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.

This seminar offers contractors a non-credit continuing education opportunity. It has not been approved by any state contractor licensing entity with a continuing education requirement.

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

- Solar Photovoltaic Project Design and Development**
- **Solar Photovoltaic Project Design and Development, Part I**  
Wed., October 2, 2019, 11:00 AM - 2:15 PM CDT
  - **Solar Photovoltaic Project Design and Development, Part II**  
Thurs., October 3, 2019, 11:00 AM - 2:15 PM CDT

- Special Inspections**
- **Introduction to Chapter 17: Special Inspections**  
Thurs., October 10, 2019, 11:00 AM - 12:30 PM CDT
  - **Soils and Foundations**  
Thurs., October 10, 2019, 1:00 - 2:30 PM CDT
  - **Reinforced Concrete and Structural Steel**  
Fri., October 11, 2019, 11:00 AM - 12:30 PM CDT
  - **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**  
Fri., October 11, 2019, 1:00 - 2:30 PM CDT

- Component Tolerance Analysis**
- **Introduction to Component Tolerance Analysis**  
Thurs., October 17, 2019, 11:00 AM - 12:00 PM CDT
  - **Dimensional Tolerance Analysis**  
Thurs., October 17, 2019, 12:30 - 3:00 PM CDT
  - **Application of Dimensional Tolerance Analysis**  
Fri., October 18, 2019, 11:00 AM - 2:15 PM CDT

- National Electrical Code**
- **National Electrical Code, Part I**  
Tues., October 22, 2019, 11:00 AM - 3:30 PM CDT
  - **National Electrical Code, Part II**  
Wed., October 23, 2019, 11:00 AM - 3:30 PM CDT
  - **National Electrical Code, Part III**  
Thurs., October 24, 2019, 11:00 AM - 3:30 PM CDT

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://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

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How to Register	Registrant Information
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
<b>Phone:</b> 715-835-5900	<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____  Name: _____ Occupation: _____ Email: _____ Phone: _____
<b>Fax:</b> 715-835-6066	
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> 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 - **\$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.

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