

# Agenda

## Section 1 - Engineered Wood Products:

### Introduction & 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 & 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., i.e. 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 by most manufacturers when designing multi-family structures

Wrap up and review

Engineered Lumber  
Design and Construction  
Amherst, NY - Tuesday, May 7, 2019



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

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## Learning Objectives

### You'll be able to:

- Identify** proper installation methods when using engineered lumber products.
- Get** tips on properly specifying products, including engineered lumber floor systems.
- Learn** how to size I-joists and structural beams.
- Acquire** skills needed to apply various framing details and connections used in engineered lumber products industry.
- Understand** the difference between fire-resistive and fire-rated assemblies.
- Learn** about the use of engineered wood products in multi-family construction.



# Engineered Lumber Design and Construction

Amherst, NY - Tuesday, May 7, 2019



**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, structural beams, columns and walls

**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

Non-Credit Continuing Ed.

### Architects

7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units



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# Faculty



## Dennis Bott *Boise Cascade Wood Products*

Mr. Bott has been working within the engineered wood industry for over 25 years holding many positions including design manager to manufacturing technical sales. He is currently the business development & project manager responsible for educating and driving specification for Boise Cascade engineered wood products within the Multifamily Light Commercial segment. In addition to these responsibilities, he also manages the AIA educational program for Boise Cascade.



## 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 20+ years' experience educating and consulting with performance based designers and specifiers across North America. In his current role with Boise Cascade, Mr. Paul is responsible for the specification of engineered wood products within the multifamily and light commercial markets. Among other methods, he currently uses lunch and learn presentations as an effective means of educating the design community.

# Seminar Information

## Buffalo Marriott - Niagara

1340 Millersport Hwy  
Amherst, NY 14221  
(716) 689-6900

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.

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

## 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. You may also send another person to take your place.

## Continuing Education Credit Information

This seminar is open to the public and offers up to 7.0 continuing education hours to professional engineers and 7.0 HSW continuing education hours to architects in all states.

HalfMoon Education is an approved continuing education provider for New York engineers (NYSED Sponsor No. 35) and New Jersey engineers (Approval No. 24GP0000700). HalfMoon Education is deemed a New York-approved continuing education provider for architects via its affiliation with the American Institute of Architects.

This event is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Courses approved by the AIA qualify for New Jersey architects. Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, North Carolina, and North Dakota.

This event offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state with a continuing education requirement for contractors.

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

### Structural Forensic Engineering

- **Introduction to Forensic Engineering Process**  
Wed., March 27, 2019, 11:00 AM -1:00 PM CDT
- **Causes of Failures and the Forensic Engineering Report**  
Wed., March 27, 2019, 1:30 -3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**  
Thurs., March 28, 2019, 11:00 AM -1:00 PM CDT

### Foundation Damage and Repair

- **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**  
Thurs., March 28, 2019, 11:00 AM -12:30 PM CDT
- **Foundation-Wall Design and Construction**  
Thurs., March 28, 2019, 1:00 -2:30 PM CDT
- **Assessment of Foundation-Slab Damage & Repair Alternative**  
Fri., March 29, 2019, 11:00 AM -12:30 PM CDT
- **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**  
Fri., March 29, 2019, 1:00 -2:30 PM CDT

### HEC-RAS Webinar Series

- **Hydraulic Principles and Applications**  
Tues., April 2, 2019, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**  
Tues., April 2, 2019, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**  
Wed., April 3, 2019, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**  
Wed., April 3, 2019, 1:30 - 3:30 PM CDT

### Wood Construction

- **Design Specifications, Building Codes and Design Values**  
Thurs., April 4, 2019, 11:00 AM - 12:30 PM CDT
- **Structural Sawn Lumber, Composite Lumber and Laminated Timber**  
Thurs., April 4, 2019, 1:00 - 2:30 PM CDT
- **Prefabricated Wood I-Joists Trusses**  
Fri., April 5, 2019, 11:00 AM - 12:30 PM CDT
- **Connectors and Fire Protection Design**  
Fri., April 5, 2019, 1:00 - 2:30 PM CDT

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

# Registration

## Engineered Lumber Design and Construction

Amherst, NY - Tuesday, May 7, 2019

How to Register	
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	
<b>Phone:</b> 715-835-5900	
<b>Fax:</b> 715-835-6066	<b>Code:</b>
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> Attach duplicates if necessary.	

Registrant Information	
Name: _____	
Company/Firm: _____	
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Phone: _____	
Additional Registrants:	
Name: _____	
Occupation: _____	
Email: _____	
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Name: _____	
Occupation: _____	
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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.

**Checks:** Make payable to HalfMoon Education Inc.

**Credit Card:** *Mastercard, Visa, American Express, or Discover*

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ CVV2 Code: \_\_\_\_\_

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Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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