Agenda

Presented by Theodore O’Donnell, P.E., S.E.

Engineered Lumber Products and Design Guidance

- Examining types of engineered lumber products
- Structural and non-structural
- National design specification for wood construction
- ASCE standard for load and resistance factor design for engineered wood construction
- Building codes

Design Values for Structural Engineered Lumber

- Reference design values and adjustments
- Bending members
- Solid columns
- Combined loads
- Flitch beams
- Compression members
- Tension members
- Bearing capacity

Structural Glued Laminated Timber

- Types of members
- Applications and design values
- Adjustments and special considerations

Timber Poles and Piles

- Types of members
- Applications and design values
- Adjustments and special considerations

Pre-fabricated Wood I-Joists

- Types of members
- Applications and design values
- Adjustments and special considerations

Structural Composite Lumber and Wood Structural Panels

- Types of products
- Applications and design values
- Adjustments and special considerations

Connectors and Fasteners

- Mechanical connections
- Dowel fasteners
- Split ring and shear plate connectors
- Timber rivets

Learning Objectives

You’ll be able to:

Understand how to properly use connectors and fasteners with engineered wood products

Comply with building codes and design specifications for engineered wood construction

Identify design values and equations for structural engineered lumber

Discuss fire design and finishing of exposed members

Utilize engineered wood products on your projects, including glued-laminated timber, timber poles and piles, and pre-fabricated wood I-joists

Engineered Lumber Design and Construction

Scranton, PA - Wednesday, May 9, 2018

Examine Structural and non-structural engineered lumber products

Understand design values and equations for structural engineered lumber

Learn to work with glued-laminated timber, timber poles and piles, and pre-fabricated wood I-joists

Explore structural composite lumber

Discuss fire design and finishing of exposed members

Continuing Education Credits

Professional Engineers

- 7.0 PDHs

Architects

- 7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units

International Code Council

- 7.0 CEUs (Building)

Contractors

- Non-Credit Continuing Ed.
Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states, except Florida. Architects and courses are not subject to pre-approval in Pennsylvania. HalfMoon Education is deemed an approved architect continuing education sponsor in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP0000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. 3885). Only full attendance can be reported to the AIA/CES.

The International Code Council has approved this event for .70 CEUs in the specialty area of Building. This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any contractor licensing entity for mandatory continuing education credit. 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.

Registration
Engineered Lumber Design and Construction
Scranton, PA - Wednesday, May 9, 2018

How to Register
Online: www.halfmoonevents.org
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Occupation: ______________________________
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Occupation: ______________________________
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Occupation: ______________________________

Complete the entire form. Attach duplicates if necessary.

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)

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