Engineered Lumber Design and Construction
White Plains, NY - Friday, May 15, 2020

Explore structural and nonstructural engineered lumber products
Discuss structural glued laminated timber and pre-fabricated wood I-joists
Learn about structural composite lumber and wood structural panels
Identify appropriate connectors and fasteners for use with engineered lumber

You’ll be able to:
Explore engineered lumber products, both structural and non-structural.
Review design values for bending and compression members.
Discuss applications and design values for glued laminated timber and pre-fabricated wood I-joists.
Evaluate structural composite lumber and wood structural panels.
Identify appropriate connectors and fasteners with confidence.
Assess materials and techniques for roof and floor framing.

Continuing Education Credits
Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW

Professional Engineers
6.5 Continuing Ed. Hours

International Code Council
.65 CEUs (Building)

Contractors
Non-Credit Continuing Ed.

Agenda

Presented by Patrick Conlon, P.E.

Engineered Lumber Products and Design Guidance
Types of engineered lumber products
Structural and non-structural
National Design Specification for Wood Construction
Building codes
Design criteria

Design for Structural Engineered Lumber
Reference design values and adjustments
Bending members
Compression members
Columns
Tension members
Combined loads
Bearing capacity
Flitch beams

Structural Glued Laminated Timber
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
Pre-rating

Structural Composite Lumber and Wood Structural Panels
Types of products (beams and columns)
Applications and design values
Adjustments, and special considerations

Connectors and Fasteners
Nails
Screws, lag screws and wood screws
Bolts
Prefabricated connections
Details

Structural Design
Software
Roof framing
Floor framing
Beams and joists

Learning Objectives

Enjoy HalfMoon Education’s flexible scheduling and different program delivery options! In the event of health concerns, program may be offered as a live webinar or be rescheduled.
Faculty

Patrick Conlon, P.E., Founder and Managing Principal of Conlon Engineering, LLC

Patrick Conlon is a licensed professional engineer with 20 years of high-profile structural engineering experience. He has lent his expertise and creativity to large, challenging new high-profile construction projects including the iconic Yankee Stadium, the 75-story tall One57 in Manhattan, the new 22,000 sf steel-framed column-free Blessed Kateri Church in Lagrangeville, New York as well as numerous other projects of various scales. The owners, architects, contractors, and property managers with whom he collaborates seek him out as a project partner because of his work ethic and focused client service.

As founder and managing principal of Conlon Engineering, LLC, in Brookfield, Connecticut, Mr. Conlon has created a culture that is highly client-focused and disciplined, making it easy for colleagues to recommend him. He takes great pride in the firm’s ability to address structural challenges for diverse clients in the areas of new construction, renovation and structural rehabilitation of existing structures in a variety of categories including commercial, residential, industrial, office, school, religious, historic and recreational buildings; adaptive reuse projects; LEED accredited projects; peer reviews of other engineers’ work; and feasibility studies.

Mr. Conlon is a registered professional engineer in Connecticut, New York, New Jersey and Massachusetts. He has BS and MS degrees in Civil Engineering from Manhattan College, and he is a member of the American Society of Civil Engineers, the Structural Engineers Coalition (CT), the International Code Council and the American Institute of Steel Construction.

Here’s what past attendees have to say about the program and speaker Patrick Conlon:

“Very well spoken and knowledgeable of the subject material.” – Structural Engineer

“Kept a dry subject interesting for seven hours!” – Architect

“Pat’s seminars always move fast as he keeps it interesting and relevant.” – Town Engineer

Seminar Information

Crowne Plaza White Plains

66 Hale Avenue

White Plains, NY 10601

(914) 682-0050

Registration

8:00 – 8:30 am

Lunch (On your own)

12:00 – 1:00 pm

Morning Session

8:30 am – 12:00 pm

Afternoon Session

1:00 – 4:30 pm

Tuition

$299 for individual registration

$279 for three or more simultaneous registrations.

Included with your registration:

Complimentary continental breakfast and printed seminar manual.

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. 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 6.5 HSW continuing education hours to architects and 6.5 continuing education hours to professional engineers in many states, including New York and New Jersey (HalfMoon Education is an approved continuing education sponsor for New Jersey engineers (Approval No. 24GP00000700).

HalfMoon Education is deemed a New York-approved continuing education provider for engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(j)(2)(ii) and §69.6(j)(2)(ii)).

This event is approved by the American Institute of Architects Continuing Education System for 6.5 LU/HSW (Sponsor No. AIBS). Visit www.halfmoonseminars.org to view complete AIA information under this course listing. Only full attendance is reportable to the AIA/CES.

The International Code Council has approved this course for 6.5 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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

Distributed Batteries for Solar PV Systems

- Distributed Batteries for Solar PV Systems, Part I
  - Thurs., April 2, 2020, 11:00 AM - 2:15 PM CDT
- Distributed Batteries for Solar PV Systems, Part II
  - Fri., April 3, 2020, 1:00 AM - 2:15 PM CDT

Compliance with the 2018 International Building Code

- Compliance with the 2018 International Building Code, Part I
  - Wed., April 8, 2020, 11:00 AM - 1:00 PM CDT
- Compliance with the 2018 International Building Code, Part II
  - Wed., April 8, 2020, 1:30 - 3:30 PM CDT

Completion of the entire course is necessary for a passing grade.

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

Registration

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How to Register

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 - $299.00. Three or more registrants from the same company registering at the same time - $279.00 each.

Checks: Make payable to HalfMoon Education Inc.

Credit Card:

Mastercard, Visa, American Express, or Discover

Credit Card Number:

Expiration Date:

Cardholder Name:

Billing Address:

City:

State:

Zip:

Signature:

Email:

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