

Agenda

Presented by Patrick Conlon, P.E.

Wood Frame Fundamentals for Residential and Small Commercial Buildings

Short history of the development of conventional wood framing
American Wood Council's National Design Specification
for Wood Construction
Wood framing provisions of the International Building Code
ASCE-7 load combinations
Project conception and material choices
Prescriptive design for wind and seismic loads
Roof/floor framing choices
Beams, posts and trusses
Design tools and software
Anchorage/load path
Connections and fasteners

Steel Frame Fundamentals for Residential and Small Commercial Buildings

AISC and AISI Code applicability
Project conception and material choices
Schematic design choices
Conceptual framing decisions
Roof framing choices: truss or stick frame
Steel guardrail design
Design tools and software
Welded and bolted connections

Wood Frame and Steel Frame Design and Construction
Ronkonkoma, NY - Thursday, December 5, 2019

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Understand the American Wood Council's National Design Specification for Wood Construction.

Comply with wood construction provisions of the International Building Code.

Construct wood framing for residential and small commercial buildings that resists fire, and that handles wind and seismic loads.

Reference American Institute of Steel Construction and American Iron and Steel Institute codes on steel framing.

Make informed decisions on steel framing materials, connection choices and fasteners.

Coordinate steel framing with mechanical, electrical and plumbing systems.



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Examine wood and cold-formed steel frame fundamentals for residential and small commercial buildings

Review framing provisions of the International Building Code and state and local building codes

Consider roof framing choices on wood and steel frame projects

Analyze the AISI Code of Standard Practice and AWC National Design Specification

Learn about design tools and software

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.

AIA
Continuing
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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, and 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, Massachusetts and South Carolina. He has BS and MS degrees in Civil Engineering from Manhattan College and 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 had to say about the program and presenter Pat Conlon:

- “Good, informative.” – *Structural Engineer*
“Highly knowledgeable and an excellent teacher.” – *Architect*
“Excellent speaker!! Very knowledgeable.” – *Project Manager/Engineer*
“This course was fantastic and I loved the clear, easy to follow, engaging presentation!” – *Architect*

Seminar Information

Courtyard by Marriott Long Island MacArthur Airport
5000 Express Drive South
Ronkonkoma, NY 11779
(631) 612-5000

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
- 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/PDHs to professional engineers in all states.

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(i)(2) and §69.6(i)(2)).

This event is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885). Only full attendance is reportable to the AIA/CES. Visit www.halfmoonseminars.org to view complete AIA information under this course listing.

The International Code Council has approved this course for .65 CEUs in 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**
Wed., November 6, 2019, 11:00 AM - 2:15 PM CST
- **Distributed Batteries for Solar PV Systems, Part II**
Thurs., November 7, 2019, 11:00 AM - 2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with State & Federal Accessibility Requirements**
Thurs., November 7, 2019, 11:00 AM - 1:30 PM CST
- **Applying the 2010 & A117.1 Accessibility Standards**
Fri., November 8, 2019, 11:00 AM - 1:30 PM CST

Fire Protection and Building Codes

- **Fire Protection and Life Safety Design**
Tues., November 12, 2019, 11:00 AM - 12:00 PM CST
- **Occupancy Classifications**
Tues., November 12, 2019, 12:30 - 2:30 PM CST
- **Means of Egress**
Tues., November 19, 2019, 11:00 AM - 1:00 PM CST
- **Fire Protection Features and Equipment**
Tues., November 19, 2019, 1:30 - 3:00 PM CST

Structural Forensic Engineering

- **Introduction to the Forensic Engineering Process**
Tues., November 12, 2019, 11:00 AM - 1:00 PM CST
- **Causes of Failures and the Forensic Engineering Report**
Tues., November 12, 2019, 1:30 - 3:30 PM CST
- **Forensic Examination of Structures and Use in Litigation**
Wed., November 13, 2019, 11:00 AM - 1:00 PM CST

Stormwater Management Systems

- **Basics of Stormwater Regulations and Requirements, Including EPA Regulations**
Wed., November 20, 2019, 11:00 AM - 12:00 PM CST
- **Site Planning and Choosing Best Stormwater Management Practices**
Wed., November 20, 2019, 12:30 - 2:00 PM CST
- **Working with the MS4 Regulator**
Thurs., November 21, 2019, 11:00 AM - 12:00 PM CST
- **Long-Term Stormwater Management Practices**
Thurs., November 21, 2019, 12:30 - 2:00 PM CST

For more information visit:
www.halfmoonseminars.org/webinars/

Registration

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

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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