

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
Natick, MA - Friday, May 3, 2019



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

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Learning Objectives

You'll be able to:

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

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

Learn about design of connections and fasteners.

Consider roof framing and flooring choices.

Examine design tools and software.

Discuss the requirements of AISC specifications and AISI's Code of Standard Practice for Cold-Formed Steel Structural Framing.



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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

Continuing Education Credits

Architects

6.5 HSW Contact Hours
6.5 AIA HSW Learning Units

Professional Engineers

6.5 PDHs

International Code Council

.65 CEUs (Building)

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

Contractors

Non-Credit Continuing Ed.



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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 and Massachusetts. 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 Natick

342 Speen Street
Natick, MA 01760
(508) 655-6100

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:30 am
Lunch (on your own)
11:30 am - 12:30 pm
Afternoon Session
12:30 - 4:30 pm

Tuition

\$289 for individual registration

\$269 for three or more registrations.

Each registration includes a 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.

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 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 6.5 HSW contact hours to architects and 6.5 PDHs to engineers in all states. Educators and courses for Massachusetts architects are not subject to pre-approval.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). 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, New Jersey (Approval No. 24GPO0000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

The International Code Council has approved this event for .65 CEUs in the specialty area of Building.

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

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

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., April 17, 2019, 11:00 AM - 2:15 PM CDT
- **Off-Grid Master Class, Part II**
Thur., April 18, 2019, 11:00 - 2:15 PM CDT

Soil Engineering

- **Introduction to Soil Engineering**
Thurs., April 25, 2019, 11:00 AM - 12:30 PM CDT
- **Design of Excavation Support Systems**
Thurs., April 25, 2019, 1:00 - 2:30 PM CDT
- **Slope Repair Techniques**
Fri., April 26, 2019, 11:00 AM - 12:30 PM CDT
- **Soil Engineering after College: Practical Approaches to Foundations and Retaining Structures**
Fri., April 26, 2019, 1:00 - 2:30 PM CDT

For more information visit:
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
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		Name: _____ Occupation: _____ Email: _____ Phone: _____
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.

() **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**.

(Please allow four weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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

Credit Card Number: _____

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Email: _____