

Agenda

Presented by Vincent F. Fratinardo, P.E., S.E., RRC

Structural Design for Wood Construction

Development of the National Design Specification for Wood Construction
Development of International Building Code
Code compliance and enforcement

Design Values, Requirements and Equations

Bending members
Compression members
Columns
Tension members
Combined loads

Structural Use of Sawn Lumber and Timber

Sawn lumber applications and design values
Timber poles and piles applications and design values

Structural Glued Laminated Timber

Types of products
Applications and design values

Prefabricated Wood I-Joists and Structural Composite Lumber

Types of products
Applications and design values

Prefabricated Wood Trusses and Wood Structural Panels

Applications and design values
Specification and installation

Designing Connections

Fire Protection Design

Choose the way you want to learn!

This program will be presented simultaneously
live, in-person *and* live online!

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Structural Design for Wood Construction

Lombard, IL and Online - Tuesday, August 31, 2021

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Examine the National Design Specification for Wood Construction, and discuss International Building Code compliance and enforcement.

Review design values, requirements and equations for bending, compression, and tension members.

Explore the structural use of sawn lumber, timber and glued laminated timber.

Get tips on using prefabricated wood I-joists, structural composite lumber, prefabricated wood trusses and wood structural panels.

Discuss fire protection design.



Live, In-Person Seminar and Live Webinar

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Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

AIA

7.0 LU | HSW

International Code Council

.7 CEUs (Building)

AIA
Continuing
Education
Provider



Faculty

Vincent F. Fratinardo, P.E., S.E., RRC
Mr. Fratinardo is a civil/structural engineer. He has an extensive engineering and investigation background in warehouse facilities, retail buildings, churches, schools, office buildings, hospitals, condominiums and residential single family homes. His 18 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial and residential building damage investigations. He has legal experience in depositions, arbitration hearings and trials, and he has prepared and performed numerous continuing education presentations. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states.

Seminar/Webinar Information

Hyatt Place Chicago - Lombard/Oak Brook
2340 South Fountain Square Drive
Lombard, IL 60148
(630) 932-6501

Webinar Information:
Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar.
For system requirements, please visit the FAQ section of our website, or visit www.gotowebinar.com.

Registration
8:00 - 8:30 am CDT

Morning Session
8:30 - 11:45 am CDT

Lunch (on your own)
11:45 am - 12:45 pm CDT

Afternoon Session
12:45 - 5:00 pm CDT

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF Seminar Manual.
A printed manual is available for an additional cost upon request. Please call to order.

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: Transfer from seminar to webinar or from webinar to seminar at any time without charge! Cancel at least 48 hours before the start of the seminar/webinar, 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/webinar or the self-study package. You may also authorize another person to take your place.

Additional Webinars

High-Performance Building Envelopes
- Wed, July 21, 2021 | 11:00 am - 2:45 pm CDT
- Thurs, July 22, 2021 | 11:00 am - 2:45 pm CDT

Technical Writing Workshop for Design Professionals
- Fri, July 23, 2021 | 8:30 am - 5:00 pm CDT

Site Design
- Mon, July 26, 2021 | 8:30 am - 5:00 pm CDT

Structural Forensic Engineering
- Tues, July 27, 2021 | 11:00 am - 2:30 pm CDT
- Wed, July 28, 2021 | 11:00 am - 2:30 pm CDT

Architectural Application for Means of Egress in 2018 IBC
- Wed, July 28, 2021 | 9:00 am - 4:30 pm CDT

Project Management for Engineers
- Wed, July 28, 2021 | 8:30 am - 4:30 pm CDT

2018 IBC Mixed Occupancies, Allowable Area, and Type of Construction
- Thurs, July 29, 2021 | 8:30 am - 5:00 pm CDT

Basics of Structural Steel Design
- Thurs, Aug 5, 2021 | 8:30 am - 3:45 pm CDT

International Existing Building Code 2021
- Thurs, Aug 5, 2021 | 9:00 am - 4:30 pm CDT

Deep Energy Retrofits
- Fri, Aug 6, 2021 | 8:30 am - 3:30 pm CDT

Shallow Foundation Design, Construction, and Repair
- Tues, Aug 10, 2021 | 8:30 am - 5:00 pm CDT

Participating in the WELL Building Certification Process
- Wed, Aug 18, 2021 | 12:00 - 4:00 pm CDT
- Thurs, Aug 19, 2021 | 12:00 - 4:00 pm CDT

2021 International Wildland-Urban Interface Code
- Thurs, Aug 19, 2021 | 8:30 am - 4:30 pm CDT

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

Continuing Education Credit Information
This seminar/webinar is open to the public and offers 7.0 HSW contact hours to architects and 7.0 PDHs to professional engineers. Educators and courses are not subject to preapproval in Illinois.
The American Institute of Architects Continuing Education System has approved this event for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.
Architects and engineers seeking continuing education credit in other states will be able to apply the hours earned at this event, in most cases. Refer to specific state rules to determine eligibility.
The International Code Council has approved this event for .7 CEUs in the specialty area of Building for in-person attendance (Preferred Provider No. 1232). Course approval for webinar attendance is applied for and pending. Visit this course listing at www.halfmoonseminars.org for updates on this credit.

This seminar/webinar also offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing board for continuing education approval.
Attendance will be monitored, and attendance certificates will be available after the seminar/webinar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

COVID Health Considerations: In accordance with guidance from the Centers for Disease Control and Prevention (CDC), only those who are fully vaccinated should gather indoors without masks. Those not yet fully vaccinated should continue social distancing and wearing facemasks indoors. Please review CDC guidance for recent developments.

Registration

How to Register

Online:
www.halfmoonseminars.org

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Complete the entire form.
Attach duplicates if necessary.

Registrant Information

Name: _____

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Phone: _____

Additional Registrants:

Name: _____

Occupation: _____

Email: _____

Phone: _____

Name: _____

Occupation: _____

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Phone: _____

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Tuition
Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$199.00** each
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No walk-in registrations will be accepted.
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() **Webinar:** I will be attending the presentation live, online
() **I am not attending.** Please send me the seminar recording:
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