

Agenda

Common Roof Types: Costs, Benefits and Drawbacks Gable Hip Mansard Flat	M. Woods
Complying with Building Codes and Structural Standards International Building Code International Residential Code ASCE 7-22	M. Woods
Roof Framing: Design and Construction Loads and structural considerations Framing basics Construction and connections	M. Woods
Roof Trusses: Design and Construction Loads and structural considerations Truss options Truss installation and connections	M. Woods
Roof Insulation and Ventilation Thermal performance of roofs Insulation options Moisture control Ventilation	K. Dunn
Roof Coverings Shingles Steel roofs Flat roof coatings Cool roofs	K. Dunn

Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this webinar are available for purchase. See course listing online 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.

Residential and Small Commercial Roof Design and Construction

Live, Interactive Webinar - Thursday, March 28, 2024

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

- Explore** the costs and benefits of standard roof types, including gable, hip, mansard and flat.
- Comply** with requirements of the International Building Code, the International Residential Code and the ASCE 7-22 Standard.
- Consider** loads, discuss structural considerations and review framing basics.
- Explore** truss options.
- Maximize** the thermal performance of roofs with insulation, ventilation and moisture control options.
- Consider** different types of roof coverings, including shingles, steel and flat roof coatings.



HalfMoon Education Live Webinars

Residential and Small Commercial Roof Design and Construction

Live, Interactive Webinar - Thursday, March 28, 2024



- | | |
|---|---|
| Explore common roof types: costs, benefits and drawbacks | Study roof truss design and construction |
| Learn about complying with building codes and structural standards | Examine roof insulation and ventilation |
| Explore roof framing design and construction | Learn about roof coverings |

Continuing Education Credits

Professional Engineers 6.5 PDHs	International Code Council .65 CEUs (Building)
Architects 6.5 HSW CE Hours 6.5 AIA LU HSW	



Webinar Information

Log into Webinar 8:30 - 9:00 am CDT	Break 12:15 - 12:45 pm CDT
Morning Session 9:00 am - 12:15 pm CDT	Afternoon Session 12:45 - 4:30 pm CDT

Tuition
\$319 for individual registration.
\$289 for two or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

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

Cancellations: Cancel at least 48 hours before the start of the 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 webinar or the self-study package. You may also authorize another person to take your place.

Learn More and Register:
www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here



Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this webinar are available for purchase. See details online 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.

Faculty

Marcus E. Woods PE, MSc & LEED AP
Principal, Woods Residential Engineering and Inspection, LLC
After working in engineering and design management with award-winning structural and construction firms for nearly 10 years, Marcus E. Woods founded his own firm, Woods Residential Engineering & Inspection. Mr. Woods is a licensed professional engineer in multiple states, holds a bachelor's and master's degree in Civil Engineering (with a focus on structures) from Washington University in St. Louis, and he has earned "Accredited Professional" status from the U.S. Green Building Council. Mr. Woods is a member of: The Woods Educational Enrichment Foundation, the National Society of Black Engineers (NSBE) (Director of Programs for the Chicago professional chapter), the American Society of Civil Engineers, and the Structural Engineers Association of Illinois.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York 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)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

Additional Learning

- Fire Protection for Special Occupancies: Health Care Facilities**
- Wednesday, February 28, 2024 | 9:00 am - 12:15 pm CST
- Fire Protection for Special Occupancies: Industrial Facilities**
- Wednesday, February 28, 2024 | 1:00 - 4:15 pm CST
- Pumping and Piping Systems**
- Thursday, February 29, 2024 | 11:00 am - 2:15 pm
- Friday, March 1, 2024 | 11:00 am - 2:15 pm CST
- International Residential Code 2021**
- Friday, March 1, 2024 | 8:30 am - 5:00 pm CST
- 2021 International Residential Code: Mechanical Systems**
- Tuesday, March 5, 2024 | 12:00 - 4:30 pm CST

Keefer Dunn
Licensed Architect and Sole Practitioner based in Chicago
Mr. Dunn is a sole practitioner and an assistant professor, adjunct at the School of the Art Institute of Chicago, and the former host of a radio show about architecture and politics called Buildings on Air. His practice is deeply rooted in his home neighborhood of Bridgeport, and emphasizes bringing new aesthetic strategies and philosophical inquiry to common construction techniques and materials. He earned his M. Arch degree from Illinois Institute of Technology, College of Architecture, in May 2015 and his B.S. degree in Architecture, from Georgia Institute of Technology, School of Architecture, in August 2012.

The International Code Council has approved this event for .65 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA)

- Residential Energy Efficiency Code Compliance and Stretch Code Requirements**
- Thursday, March 7, 2024 | 8:30 am - 4:30 pm CST
 - Practical Fluid Mechanics**
- Friday, March 8, 2024 | 8:30 am - 3:30 pm CST
 - Wayfinding for Designers and Building Professionals**
- Wednesday, March 13, 2024 | 9:00 am - 12:00 pm CDT
- Thursday, March 14, 2024 | 9:00 am - 12:00 pm CDT
 - 2021 International Residential Code: Plumbing Systems**
- Tuesday, March 19, 2024 | 12:00 - 4:30 pm CDT
- For more information and other online learning opportunities visit:
www.halfmoonseminars.org