

# Credit Information

## Masonry Design and Construction

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 License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) 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.

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 is not pre-approved by any licensing boards and may not qualify for the same credits; 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)

## Complying with Fire Protection and Building Codes

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 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 License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) 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 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Fire (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 is not pre-approved by any licensing boards and may not qualify for the same credits; 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:

7.0 HSW LUs (AIA)

## Live, Interactive Webinars

- Masonry Design and Construction
- Complying with Fire Protection and Building Codes

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

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



# Live, Interactive Webinars

## Masonry Design and Construction

- Friday, November 22, 2024 | 8:30 am - 4:00 pm CST

## Complying with Fire Protection and Building Codes

- Monday, November 25, 2024 | 9:00 am - 5:00 pm CST

To register, view detailed presenter biographies, and see other learning opportunities, please visit:  
**www.halfmoonseminars.org**  
or call our Customer Service Department at (715) 835-5900



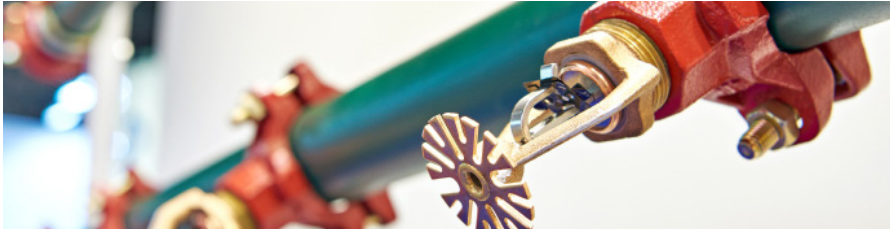
# HalfMoon Education Inc., Your LIVE Education Leader Presents Two Live, Interactive Webinars for Professional Growth



## Masonry Design and Construction

Friday, November 22, 2024 | 8:30 am - 4:00 pm CST

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



## Complying with Fire Protection and Building Codes

Monday, November 25, 2024 | 9:00 am - 5:00 pm CST

Credits: Professional Engineers: 7.0 PDHs  
Architects: 7.0 HSW CE Hours | AIA: 7.0 LU | HSW  
International Code Council: .7 CEUs (Fire)

To register, visit us online at  
**www.halfmoonseminars.org**  
or call our Customer Service Department at (715) 835-5900



# Masonry Design and Construction

Friday, November 22, 2024 | 8:30 am - 4:00 pm CST

**Tuition:** \$339 per registrant  
\$237 per attendee for group registrations of two or more people registering at the same time for the same program. ***That's a savings of 30 percent!***

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

- Agenda:**
- Reviewing Codes and Guidelines for Masonry Construction**
- International Building Code and International Residential Code
  - The Masonry Code
  - ASTM masonry standards
  - Local codes and standards

- Exploring Masonry Materials and Products**
- Strength of masonry
  - Stone, brick, and concrete masonry units
  - Masonry veneer
  - Reinforced clay masonry
  - Concrete masonry

- Structural Masonry Design**
- Requirements for structural components
  - Strength design and seismic design
  - Veneers: adhered, anchored, self-supporting and structural veneers

- Masonry Construction Procedures**
- Masonry components
  - Masonry lintels
  - Prefabricated masonry

- Sustainability of Masonry**
- How efficient masonry lowers embodied carbon
  - Resources for determining environmental product
  - Declarations for masonry

- Software for Masonry Design**
- Component design software
  - Finite element design software

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

**Can't Attend? Order the Webinar as an On-Demand Package!**  
Recordings of these webinars are available for purchase.  
See details online for more information.

24 USMSNRYD 11 22 WEBR LH

or scan here



# Complying with Fire Protection and Building Codes

Monday, November 25, 2024 | 9:00 am - 5:00 pm CST

**Tuition:** \$339 per registrant  
\$237 per attendee for group registrations of two or more people registering at the same time for the same program. ***That's a savings of 30 percent!***

**Credits:** Professional Engineers: 7.0 PDHs  
Architects: 7.0 HSW CE Hours | AIA: 7.0 LU | HSW  
International Code Council: .7 CEUs (Fire)

- Agenda:**
- Fire Protection and Life Safety Design**
- History of fire protection in building codes
  - National and statewide fire codes
    - International Fire Code
    - National Fire Protection Association (NFPA) codes
    - International Building Code and International Residential Code
    - Local codes and ordinances
  - Scope and purpose of codes and ordinances
  - Code adoption and enforcement

- Construction Types and Occupancy Classifications**
- Overview of construction types for fire protection
  - Overview of occupancy classifications
  - Life safety issues specific to different occupancies
    - Separated versus non-separated occupancies
  - Design specifications and scenarios

- Means of Egress**
- Evaluating the three components of a means of egress
    - The exit access
    - The exit
    - The exit discharge
  - Calculating and determining occupant loads
    - Occupant load factors
    - Gross vs. net occupant loads
  - Egress capacity factors
  - Arrangement and number of exits

- Fire Protection Features and Equipment**
- Passive fire protection
    - Combustible vs noncombustible construction
    - Fireproofing types and materials
  - Active fire protection
    - Fire suppression/sprinkler systems
    - Fire and smoke alarm systems

- Code Compliance Exercises**
- Case studies
    - New construction
    - Changing occupancy of existing buildings

24 USCWFPBC 11 25 WEBR WL

or scan here



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

# Faculty

## Masonry Design and Construction

**Sam Rubenzer, PE, SE** *FORSE Consulting, Eau Claire, WI*  
Mr. Rubenzer started FORSE in 2010, where he works as a delegated designer for other structural engineers on designs involving steel, concrete, PT concrete, masonry, and wood construction. He often speaks on the topics of software use and best practices in masonry design. Mr. Rubenzer has over 20 years of experience and is a licensed structural engineer (SE) and a professional engineer (PE) in many of the Midwestern states. He has also been a consultant to the International Masonry Institute (IMI) for the past 11 years.

## Complying with Fire Protection and Building Codes

**Michael J. Fiebig, RA, AIA, NCARB, LEED GA, CFPS, CEP**  
Mr. Fiebig holds a bachelor of Environmental Design degree from the University of Colorado, Boulder, and a master of Architecture degree from the University of Colorado, Denver. He is a licensed architect in several states, and he provides both consulting and design services to clients throughout the country. Mr. Fiebig is an active member of the American Institute of Architects, as well as an NCARB certificate holder. He is a LEED green associate, as well as a certified fire protection specialist, credentialed through the National Fire Protection Association. As a forensic architect, Mr. Fiebig provides analysis of architectural standard of care in design and construction projects, with special emphasis on multi-family residential projects. He performs cause and origin analyses of building system installations and failures, including roofing systems, window and door systems, exterior wall cladding systems, waterproofing, and foundation systems, with a specialization in passive fire-resistive assemblies and active fire-protection systems. He provides premises liability analysis regarding slip/trip and fall accidents and accessibility code compliance, and provides maintenance and inspection procedure analysis with an emphasis on NFPA 25: Standard for the Inspection, Testing, and Maintenance of Water-based Fire Protection Systems. As well, he performs damage assessments on existing facilities related to storms, accidents, fire, and natural disasters. As a design architect, Mr. Fiebig provides traditional design services for residential and light commercial buildings, and provides code consulting for clients, specializing in life/safety, egress, and fire protection code requirements to assist clients in properly designing and detailing these critical elements of design and construction. He also provides traditional services during construction including construction observations and special inspections when required by the jurisdiction of authority. Mr. Fiebig's experience includes several trial and deposition testimonies regarding design, construction, and the built environment, as well as mediation and arbitration support for litigation purposes. Mr. Fiebig holds active memberships in many professional organizations including AIA, NCARB, NFPA, USGBC, NICET, and others. He is a published writer in *Common Ground*, the national magazine for the Community Associations Institute.



**Save up to 31% on Tuition!**  
**Maximize your savings with Continuing Education Credit Packages and Knowledge Points. Visit [halfmoonseminars.org](http://halfmoonseminars.org) and click on “NEW Packages and Knowledge Points” to learn more!**