

Agenda

Presented by Edward Fronapfel

Building Code Background and Application

- Development of the International Building Code
- Code adoption process in Missouri
- Code update process
- Code terminology
- Code enforcement

Building Classification, Occupancy and Safety

- Classification of structures
- Occupancy and special uses
- Fire resistance-rated construction
- Fire protection systems
- Doors and windows

Regulation of Building Components

- Exterior walls
- Roof assemblies
- Structural design
- Soils and foundations

Use of Specific Materials and Construction Techniques

- | | |
|----------|-------------------|
| Concrete | Aluminum |
| Masonry | Steel |
| Wood | Glass and glazing |

Regulation of Interior Construction

- Gypsum board and plaster
- Interior finishes
- Interior environment

Complying with Safety Requirements During Construction

- Protection of workers, public and adjoining property

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

International Building Code 2018
Denver, CO - Wednesday, December 12, 2018



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Learning Objectives

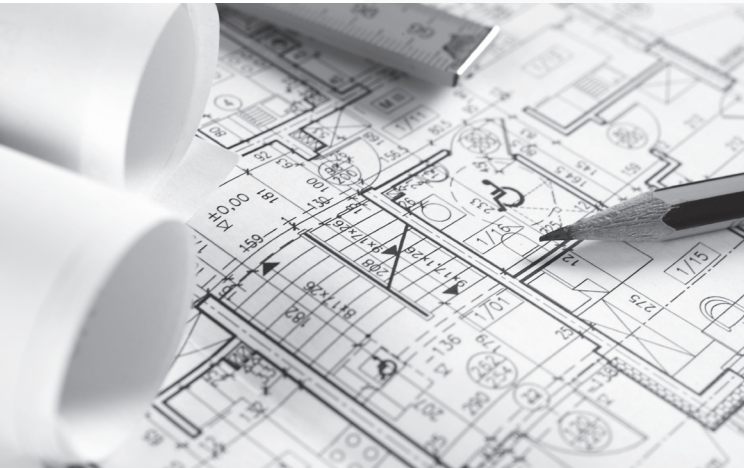
You'll be able to:

- Understand** the code update process, terminology and enforcement.
- Review** building classification and occupancy.
- Determine** requirements for the use of specific materials, including concrete, masonry, wood, steel and glass.
- Discuss** fire resistance-rated construction and fire protection systems.
- Comply** with safety requirements during construction.



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- Understand** building code background and application
- Review** building classification and occupancy
- Review** the regulation of building components
- Analyze** requirements for specific materials and construction techniques
- Learn** about the protection of workers, the public, and adjoining property during construction

Continuing Education Credits

- Architects**
7.0 HSW CEHs
7.0 AIA HSW Learning Units
- Professional Engineers**
7.0 PDHs
- International Building Code**
.7 CEUs (Building)

Contractors
Non-Credit Continuing Ed.



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Faculty

Edward L. Fronapfel *Fellow Member of NAFE, Owner, SBSA, Inc.*

Mr. Fronapfel holds a Bachelor of Science degree in Civil Engineering and a Master of Science degree in Civil Engineering with an emphasis in forensic and structural engineering. He is a board certified building inspection engineer through the National Academy of Building Inspection Engineers and a fellow member of the National Academy of Forensic Engineers. In addition, Mr. Fronapfel is a level 2 thermographer and a level 2 post tension examiner. He is certified by the National Association of Certified Home Inspectors and is a third party Exterior Design Institute inspector. He teaches as an adjunct professor at the University of Denver in the Burn's School of Real Estate and Construction Management. Courses include Estimating, Project Management and Control, Sustainability in Construction, Residential Construction Systems and Environmental Systems and MEP. His work experience encompasses geohydraulic engineering, hydraulics, hydrology, civil and structural engineering for new development, warranty work, property claim support, repair and rehabilitation design. Mr. Fronapfel's building science work includes interior ventilation control; HVAC sizing verifications, and analysis; and moisture management systems for attics, crawlspaces and basementsfor residential and commercial structures. He has additional background in masonry, stucco, EIFS,and many components used for cladding buildings from foundation systems to roofing systems. Mr. Fronapfel's experience includes over 450 deposition testimonies and over 55 trial testimonies, as well as hundreds of mediations, and arbitrations. He is a registered engineer in Alabama, Arizona, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Louisiana, Michigan, Minnesota, Mississippi, Montana, Missouri, Nebraska, New Jersey, Nevada, New Mexico, North Carolina, North Dakota, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, and Wyoming. Mr. Fronapfel holds active memberships in many professional organizations including RCI, AIA, NSPE, CABO, RESNET and others. He is a published writer in *The Journal of RCI*, *The Forensic Engineering Task Force*, *The Investigative Engineer*, *The I-ENG-A Report*, *Colorado Claims Guide*, *Building Integration Solutions*, *Construction Accounting and Taxation*, and *The Journal of Forensic Engineering*.

Seminar Information

Holiday Inn Denver Cherry Creek
455 South Colorado Blvd.
Denver, CO 80246
(303) 388-5561

Registration
8:00 - 8:30 am

Morning Session
8:30 am - 12:15 pm

Lunch (On your own)
12:15 - 1:15 pm

Afternoon Session
1:15 - 5:00 pm

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the Code itself.

- 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 CD/manual package. You may also send another person to take your place

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.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 HSW continuing education hours to architects in most states, including Colorado architects. Educators and courses are not subject to preapproval in Colorado.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

This course also offers 7.0 PDHs to professional engineers in most states (non-mandatory in Colorado).

Professional engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The International Code Council has approved this activity for .7 CEUs in the specialty area of Building.

This event also offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing entity for continuing education approval.

Additional Learning

Webinar Series

Geothermal Heating and Cooling

- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
- **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
- **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
- **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT

Cogeneration System Principles and Practice

- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
- **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
- **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
- **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

Shallow Foundation Design and Construction

- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
- **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
- **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST

Roadway Design

- **Roadway Design**
Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CST
- **Roadway Design Process**
Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CST
- **Typical Roadway Sections and Alignment**
Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CST
- **Intersections, Drainage and Pedestrian-Bicycle Facilities**
Fri., Nov. 30, 2018, 2:00 - 3:30 PM CST

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

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Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
	Company/Firm: _____
	Address: _____
	City: _____ State: _____ Zip _____
Phone: 715-835-5900	Occupation: _____
	Email: _____
Fax: 715-835-6066	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Additional Registrants:
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Complete the entire form. Attach duplicates if necessary.	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
	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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
- () **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____