

Agenda

Presented by
Lawrence Lile, PE, LEED AP BD+C, QCxP

Development and Enforcement of International Residential Code

- History of the International Residential Code (IRC)
- Adoption and enforcement of IRC in North Dakota
- Recent and anticipated code amendments
- Future of the code

Building Planning and Shell Construction (Chapters 2-10)

- | | |
|---|--|
| Definitions | Alternative provisions and design criteria |
| Wind effects and protection of openings | |
| Seismic provisions | Story height and live loads |
| Snow loads | Fire-resistant construction and exterior walls |
| Dwelling unit separations and garage separation | |
| Ceiling heights | Glazing |
| Garages and carports | Ingress, egress and stairways |
| Fire and carbon monoxide safety and detection | |
| Foam plastic | Wood and wood-based products |
| Accessibility | Floods, storms and drainage |
| Soils and foundations | Framing and fastening |
| Walls and wall covering | Roof/ceiling construction |
| Roof assemblies | Fireplaces and chimneys |

Energy Efficiency (Chapter 11)

- | | |
|-----------------------------|------------------------------|
| Compliance | Building thermal envelope |
| Climate classifications | Permanent energy certificate |
| Insulation and fenestration | Building systems |
| Lighting | |

Small Group Exercises

- Energy conservation compliance using RESCheck
- Residential building code compliance group exercises
- Questions

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 \$279. 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.

International Residential Code
(as adopted in North Dakota)
 Fargo, ND - Friday, May 8, 2020

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Discuss the adoption and enforcement of the International Residential Code (IRC) in North Dakota.

Comply with IRC provisions for ingress, egress, stairways, and fire protection.

Meet IRC requirements for walls, roofs, fireplaces, chimneys, garages and dwelling unit separations.

Comply with IRC provisions for wind and snow loads.

Meet IRC requirements for energy efficiency, including insulation, fenestration, lighting and mechanical systems.



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International Residential Code

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Understand the development and enforcement of the International Residential Code (IRC) in North Dakota

Identify requirements for foundations, framing and roof/ceiling construction

Learn about requirements for energy efficient lighting and mechanical systems

Explore seismic wind and snow loads

Participate in small group exercises determining code compliance

Continuing Education Credits

Architects

- 6.5 HSW PDHs/CE Hours
- 6.5 AIA LU|HSW

Professional Engineers

- 6.5 PDHs (HSW)

International Code Council

- .65 CEUs (Building)

Contractors

- Non-Credit Continuing Ed.



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Faculty

Lawrence Lile *Owner of Lile Engineering in Ashland, MO*

Mr. Lile is the owner of Lile Engineering, which specializes in commercial energy solutions and LEED certification consulting. Mr. Lile has worked in the design industry for over 30 years, on healthcare, industrial, commercial and educational construction projects. He has been involved in electrical and mechanical design, as well as construction management and commissioning. He has volunteered for local city boards and commissions, including the City of Columbia Energy and Environment Commission, which he chaired from 2009 – 2015, helping the City review and adopt new building codes. Mr. Lile is a licensed professional engineer in Missouri.

Seminar Information

Radisson Hotel	Registration	Lunch (On your own)
201 5th Street North	8:00 - 8:30 am	12:00 - 1:00 pm
Fargo, ND 58102	Morning Session	Afternoon Session
(701) 232-7363	8:30 am - 12:00 pm	1:00 - 4:30 pm

Tuition

\$299 for individual registration

\$279 for three or more simultaneous registrations.

Included with your registration: *Complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the Code itself.*

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.

Additional Learning

Webinar Series

- Introduction to HEC-HMS**
- **Introduction to Cost Estimating**
Thurs., March 26, 2020, 11:00 AM - 12:30 PM CDT
 - **HEC-HMS Application User Interface**
Thurs., March 26, 2020, 1:00 - 3:00 PM CDT
 - **Model Output and Troubleshooting**
Fri., March 27, 2020, 11:00 AM - 12:30 PM CDT
 - **Large Watershed Model and Other Applications**
Fri., March 27, 2020, 1:00 - 3:00 PM CDT

- Distributed Batteries for Solar PV Systems**
- **Distributed Batteries for Solar PV Systems, Part I**
Thurs., April 2, 2020, 11:00 AM - 2:15 PM CDT
 - **Distributed Batteries for Solar PV Systems, Part II**
Friday., April 3, 2020, 11:00 AM - 2:15 PM CDT

- Compliance with the 2018 International Building Code**
- **Compliance with the 2018 International Building Code, Part I**
Wed., April 8, 2020, 11:00 AM - 1:00 PM CDT
 - **Compliance with the 2018 International Building Code, Part II**
Wed., April 8, 2020, 1:30 - 3:30 PM CDT
 - **Compliance with the 2018 International Building Code, Part III**
Thurs., April 9, 2020, 11:00 AM - 12:30 PM CDT

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

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs/continuing education (HSW) to architects and 6.5 PDHs to professional engineers in most states, including South Dakota. Educators and courses are not subject to pre-approval in South Dakota.

The American Institute of Architects Continuing Education System has approved this event for 6.5 LU|HSW (Sponsor No. J885). Visit www.halfmoonseminars.org for complete AIA/CES course information under this seminar listing. Only full attendance is reportable to the AIA/CES.

Architects and engineers seeking continuing education credit outside South Dakota will be able to claim the hours earned at this seminar. Refer to specific rules to determine eligibility.

HalfMoon Education is a Preferred Provider with the International Code Council (No. 1232), and this course is approved for .65 CEUs in the specialty area of Building.

This seminar also offers a non-credit continuing education opportunity to contractors. It has not been submitted for approval in any state with a 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.

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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 _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	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 - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$279.00**.

☐ CD/Manual Package for **\$299.00**. ☐ USB/Manual Package **\$299.00**.
(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: _____