International Residential Code
(as adopted in Minnesota)

Eagan, MN - Tuesday, May 12, 2020

Understand the development and enforcement of the International Residential Code (IRC) in Minnesota
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
Professional Engineers
6.5 HSW PDHs
6.5 CEUs (Building)

Architects
6.5 HSW PDHs
6.5 AIA LU|HSW

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 Minnesota
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 carpots
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.

Learning Objectives

You’ll be able to:
Discuss the adoption and enforcement of the International Residential Code (IRC) in Minnesota.
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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Mr. Lile is the owner of Life 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.

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