

Agenda

Presented by Adam P. Wallen

Development and Enforcement

of International Residential Code in Illinois

History of the International Residential Code 2015 (IRC)
Adoption and enforcement of 2015 International Residential Code in IL
Use of the ICC Code series in Illinois

Chapter 1 and 2

Scope and administration Definitions

Building Planning and Shell Construction

Design criteria and alternatives provisions
Live loads and dead loads
Wind effects, story height and protection of openings
Seismic, floods, storms and drainage provisions
Soils and foundations Garages and carports
Framing; (non)bearing walls, floors, ceiling, and roofs
Roof assemblies

Life Safety Systems

Ingress, egress; doors, windows, stairways and ceiling heights
Fire-resistant construction Automatic sprinkler systems
Dwelling unit separations and garage separation
Fire and carbon monoxide safety and detection
Wall coverings, glazing and ventilation

Energy Efficiency (Chapter 11)

Climate classifications Compliance
Building thermal envelope Insulation and fenestration

Electrical

Services and loads Grounding and bonding
Circuits, AFCI and outlets

Plumbing

Services and fixtures Drain and venting
Sump and ejector pits

HVAC/Mechanical

Design factors Types of systems
Appliance installation and exhaust

Fuel gas

Fuel gas systems and appliances Safety measures

The International Residential Code in Illinois

Live, Interactive Webinar - Friday, February 12, 2021



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Learning Objectives

You'll be able to:

Identify International Residential Code (IRC) provisions in effect in Illinois.

Comply with provisions for shell design and for the management of wind, rain, snow and flood loads.

Meet requirements for life safety systems, including ingress, egress, fire-resistant construction, and dwelling unit and garage separations.

Reference IRC provisions for energy efficiency, including insulation and fenestration.

Comply with requirements for residential electrical, mechanical, plumbing and fuel gas systems.

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HalfMoon Education Online Learning

The International Residential Code in Illinois

Live, Interactive Webinar - Friday, February 12, 2021



Discuss the development and enforcement of the International Residential Code in Illinois

Study building planning and shell construction

Examine life safety systems including ingress, egress, fire-resistant construction and fire detection

Explore energy efficiency compliance

Discuss code requirements for electrical, plumbing, HVAC/mechanical and fuel gas systems

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CE Hours

AIA

6.5 LU | HSW

International Code Council

.65 CEUs (Building)



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Faculty

Adam P. Wallen *McHenry County Planning & Development Department*
Mr. Wallen is the Building Enforcement Officer and Deputy Director for the McHenry County Department of Planning and Development and an adjunct instructor in the Construction Management program at McHenry County College where he teaches courses on building information modeling (BIM) using REVIT and reading construction documents. He is a registered architect with experience in residential, light commercial, institutional, governmental, and other public sector work. Mr. Wallen earned his degree in Architecture from the University of Illinois at Urbana-Champaign, is a member of and proudly serves on the Board of Directors for the Illinois Association of Code Enforcement (IACE), is a LEED accredited professional and member of the United States Green Building Council and the National Council of Architectural Registration Boards.

Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 12:00 - 1:00 pm CST
Morning Session 8:30 am - 12:00 pm CST	Afternoon Session 1:00 - 4:30 pm CST

Tuition
\$289 for individual registration
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Recordings of this webinar are available for purchase. 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.

Additional Learning

Passive House: Planning and Design - Mon., Jan. 11, 2021 11:00 am - 2:15 pm CST - Tues., Jan. 12, 2021 11:00 am - 2:45 pm CST	Structural Design Loads under the ASCE 7 Standard - Fri., Jan. 22, 2021 8:30 am - 5:00 pm CST
Practical Site Engineering: Science & Techniques - Thurs., Jan. 14, 2021 11:00 am - 3:15 pm CST - Fri., Jan. 15, 2021 11:00 am - 2:15 pm CST	Soil Mechanics, Bearing Capacity, and Slope Stabilization - Mon., Jan. 25, 2021 8:30 am - 4:30 pm CST
Commercial Provisions of the IECC - Thurs., Jan. 14, 2021 11:00 am - 3:30 pm CST - Fri., Jan. 15, 2021 11:00 am - 2:00 pm CST	Designing for Accessibility under ADA Standards and the IBC - Mon., Jan. 25, 2021 11:00 am - 2:45 pm CST - Tues., Jan. 26, 2021 11:00 am - 2:45 pm CST
High-Performance Building Envelopes: Designing for Energy Efficiency and Durability - Wed., Jan. 20, 2021 11:00 am - 2:45 pm CST - Thurs., Jan. 21, 2021 11:00 am - 2:45 pm CST	Project Management Fundamentals for Engineers - Tues., Jan. 26, 2021 8:30 am - 4:00 pm CST
Complying with Fire Protection and Building Codes - Fri., Jan. 22, 2021 8:30 am - 5:00 pm CST	International Building Code 2021 - Tues., Jan. 26, 2021 10:00 am - 2:30 pm CST - Wed., Jan. 27, 2021 10:00 am - 1:30 pm CST
Engineered Lumber Design and Construction - Fri., Jan. 22, 2021 8:30 am - 5:00 pm CST	Basics of Structural Steel - Wed., Jan. 27, 2021 9:00 am - 5:00 pm CST

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Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in Illinois. Educators and courses are not subject to preapproval in Illinois.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned with this webinar. Refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (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).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

The International Residential Code in Illinois
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How to Register		Registrant Information
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