

Agenda

Presented by Joseph Lawendowski, P.E. and Steven R. Pannone, P.E.

Development and Enforcement of International Residential Code

- History of the International Residential Code 2018 (IRC)
- Adoption and enforcement of Code in the Alaska Minimum Construction Standards
- Adoption and enforcement of IRC by Alaska municipalities
- 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

Mechanical, Fuel, Plumbing and Electrical Systems — Uniform Plumbing Code (UPC) and National Electrical Code (NEC)

- Appliance installation and exhaust systems
- Ventilation
 - Hydronic systems
- Fuel gas systems and appliances
- Plumbing fixtures
 - Drains
- Backflow preventers, venting, sumps and ejectors
- Fire sprinkler systems
 - Electrical system grounding
- Intersystem bonding termination
- Overcurrent devices
 - Electrical outlets
- Luminaires
 - Pools, spas and hot tubs

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Alaska Residential Building Codes

Live, Interactive Webinar - Tuesday, June 21, 2022

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Learning Objectives

You'll be able to:

Discuss the adoption and enforcement of the International Residential Code in Alaska.

Comply with provisions on seismic loads, wind loads and snow loads.

Meet requirements for accessibility, and for fire and carbon monoxide protection.

Comply with requirements for energy-efficient building thermal envelopes.

Identify code requirements for heating and ventilation systems.

Comply with code provisions on fuel gas systems and plumbing fixtures.



HalfMoon Education Live Webinars

Alaska Residential Building Codes

Live, Interactive Webinar - Tuesday, June 21, 2022



Take a closer look at the adoption and enforcement of International Residential Code in Alaska municipalities

Comply with requirements for foundations, framing and roofs

Discuss building planning considerations for wind, seismic and snow loads

Learn compliance considerations for energy efficiency

Review applicable codes for mechanical, fuel, plumbing and electrical systems

Continuing Education Credits

Professional Engineers
7.0 PDHs

International Code Council
.7 CEUs (Building)

Architects
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Faculty

Joseph Lawendowski, P.E.
Civil Engineering, EIT, with Pannone Engineering Services LLC, in Anchorage, AK
Mr. Lawendowski specializes in residential structural design and water/wastewater systems, and he is a residential building inspector. He is a longtime Alaskan who retired from the military after more than 23 years of service and has more than five years of engineering and construction experience. Mr. Lawendowski's background includes experience in design, construction, testing and monitoring of engineered projects. He has worked all over the state of Alaska, including extensive time in the arctic and remote regions. Mr. Lawendowski takes a practical and economical approach to design, taking into account who is going to be doing the construction and how it will be done. He has hands-on experience in the construction of water and wastewater systems, the construction and renovation of buildings and large earth works projects.

Added Value:
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Steven R. Pannone, P.E. *Principal of Pannone Engineering Services LLC, in Anchorage, AK*
Mr. Pannone is a registered civil engineer specializing in the planning, design and construction of sanitation facilities. He is a lifelong Alaskan with more than 30 years of engineering and construction experience. Mr. Pannone's background includes experience in survey, design, construction, testing and monitoring of engineered projects. He has worked all over the state of Alaska, including extensive time in the arctic and remote regions. Mr. Pannone takes a practical approach to design, taking into account who is going to be doing the construction and how it will be done. He has hands-on experience in the construction of water and wastewater systems, buildings and large earth works projects. Mr. Pannone is a certified ADEC water/wastewater designer and sanitary surveyor. He is the founder of Pannone Engineering Services LLC. This privately-owned company was founded in February of 1991. The company has specialized in the design, testing and installation of on-site water and wastewater systems. Pannone Engineering Services (PES) have performed engineering designs, analysis and evaluations of water and wastewater systems throughout Alaska. The types of systems have ranged from small single-family septic systems to large commercial systems serving greater than 100 people daily. PES typically tests between 90 and 150 septic systems a year and designs approximately 50 to 75 new or upgraded systems. PES has an excellent working relationship with the Municipality of Anchorage and the State Department of Environmental Conservation.

Additional Learning

How to Design a Stormwater Management System for Residential Sites
- Tues, May 24, 2022 | 12:00 - 2:00 pm AKDT

Flood-Resistant Design and Construction
- Wed, May 25, 2022 | 9:00 am - 12:00 pm AKDT
- Thurs, May 26, 2022 | 9:00 am - 1:00 pm AKDT

Residential and Small Commercial Timber Frame Design and Construction
- Thurs, May 26, 2022 | 6:30 am - 2:30 pm AKDT

2021 International Residential Code: Residential Building Planning
- Wed, June 1, 2022 | 9:00 am - 1:30 pm AKDT

Federal Wetlands Science, Law, and Compliance
- Fri, June 3, 2022 | 7:00 am - 2:00 pm AKDT

Complying with the Residential Provisions of the IECC 2021
- Thurs, June 9, 2022 | 6:30 am - 2:30 pm AKDT

Applying Passive Solar Design To Conventional Homes
- Mon, July 11, 2022 | 12:30 - 2:30 pm AKDT

Seismic Ground Motions for Seismic Design
- Thurs, June 16, 2022 | 6:30 am - 2:30 pm AKDT

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