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Various Topics/Dates in November & December

See list of trainings below and the attached for the webinar descriptions.

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LIST OF AVAILABLE MBOIA SPONSORED SESSIONS

Minimum Code for Budget Decks (90-min)	November 13 th	8:30-10:00
Glazing (90-min)	November 13 th	10:30-12:00
Porch Roof Framing (3-hr)	November 20 th	8:30-12:00
Alarms and Nature (90-min)	December 11 th	8:30-10:00
Health and Human (90-min)	December 11 th	10:30-12:00
Escape and Rescue (90-min)	December 18 th	8:30-10:00
Stairways (90-min)	December 18 th	10:30-12:00

Porch Roof Framing (3-hr) - November 20th 8:30-12:00

Like decks, porch roofs are often considered easy construction and are typically attempted by new contractors or weekend warrior homeowners. However, the truth is quite the contrary. Porch roofs require significant evaluation depending on the extreme variety of their design. This class reviews the code application of these projects from the foundation to the roofing.

- Understand the significant differences between constructing with a ridge board or a ridge beam.
- Learn the various ways to connect a porch roof to an existing house.
- Realize the limitations of prescriptive, structural design and when engineered design is necessary.

Health and Human (90-min) – December 11th 10:30-12:00

Sections 303 and 306 provide the minimum requirements for the comfortable and sanitary environment within a dwelling. Provisions related to illumination, heating, and sanitation are discussed in depth. Also necessary for a safe environment is appropriate accessibility for those with mobility challenges, and this is discussed as provided in section 320.

- Learn the minimum requirements for sanitation in a dwelling.
- Explore the various requirements for conditioned air through heating and ventilation
- Discover the extent for which the IRC regulates accessibility of dwellings.

Glazing (90-min) – November 13th 10:30-12:00

Windows are a necessity of every dwelling but depending on where they are located can provide more than just natural light. Glass located in “hazardous locations” are those areas where the probability of human contact is higher. In these areas, safety glazing is required to minimize injury. Where are these hazardous locations and what is safety glazing? It’s not just tempered glass. Find out in this session that is packed with glazing provisions.

- Learn what safety glazing is and how to verify it is present.
- Discover the hazardous locations in the code where safety glazing is required.
- Understand the reasoning behind provisions related to glazing (glass).

Escape and Rescue (90-min) - December 18th 8:30-10:00

Emergency escape and rescue is a critical passive safety concept for dwellings. Section R310 and its many subsections lay out the design requirements necessary for this core life safety function. Though the general requirements for “egress windows” are relatively understood, this session reveals the specific details that often are not.

- Learn the minimum required sizes for escape and rescue openings.
- Discover the recent code modifications regarding existing and new basements.
- Understand how to handle below grade openings around decks.

Stairways (90-min) - December 18th 10:30-12:00

Section 311 includes a wealth of provisions related to the path of people out of a dwelling. This session focuses on the subsections of 311 that regulate the design and construction of stairways and ramps. These features are critical for safe egress from basements and upper floors, and thus, from treads to landings and handrails to headroom, there are a lot of specifics to cover.

- Learn the specific provisions related to graspable handrails.
- Discover the strict geometric requirements of stairway design.
- Understand the flexibilities permitted in landing designs.

Alarms and Nature (90-min) - December 11th 8:30-10:00

For the IRC to be useful across the US, chapter three provides a number of provisions that differentiate the various climatic and geographic conditions that buildings must endure. The “Nature” segment of this webinar lays out all the variables of the environment that affect code provisions. Coupled with this are the two required alarms that protect us from poisons that can be present in any climate, smoke and carbon monoxide. Sections 314 and 315

provide the necessary details for the proper installation and thus successful use of these critical alarms. Provisions of the referenced standard, NFPA 72 will also be discussed.

- Discover the only two retroactive code requirements found in the IRC.
- Learn the details of proper smoke alarm installation.
- Understand how the IRC can apply to a variety of climates.

Minimum Code for Budget Decks (90-min) - November 13th 8:30-10:00

Description: The International Residential Code is the “minimum” standard of construction. A better understanding of this minimum allows for “above code” practices to be more well recognized, but it also allows for consumers on the lower end of budget to still safely enjoy their homes. Learn some tips and tricks straight from the code that can keep basic deck construction affordable. Do you really need all that metal hardware and double-ply beams? Do you have to fill the entire hole with concrete? Building to the minimum allows more people the chance for a backyard deck and summer barbeques.

- Learn what metal hardware is optional
- Recognize the value of affordable construction and how it equates with safety
- Distinguish how to lower the cost of deck construction and offer a new deck to more potential buyers