

Agenda

History of and Applications for Exterior Decks *C. Jackson*
History of exterior living spaces
Decks vs. porches and patios
Development of modern residential and commercial decks

Structural Requirements for Decks *C. Jackson*
Complying with codes and standards:
• International Building Code, International Residential Code and accessibility standards
• Structural loads
• Egress requirements

Deck Safety and Accessibility *E. Reynard*
Changes in elevation
Stairs
Ramps
Railings and handrails

Adding Fixtures and Structures *E. Fronapfel*
Options for shade and shelter
Outdoor enclosures
Built-in seating
Exterior heating/cooling options
Sound and lighting

Materials, Components and Sustainability *E. Reynard, E. Fronapfel*
Decking
Finishes
Reusing material
Sustainability
Case studies

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Commercial and High-End Residential Deck Design and Construction

Live, Interactive Webinar - Tuesday, November 7, 2023

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HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

- You'll be able to:**
- Explore** the development of high-end, multi-function residential and commercial decks.
 - Comply** with structural requirements for deck construction.
 - Maximize** deck safety and improve the accessibility of decks.
 - Add** structures for shade and shelter.
 - Consider** options for heating, cooling, sound and lighting.
 - Evaluate** decking and finishes and improve the sustainability of decks.



HalfMoon Education Live Webinars

Commercial and High-End Residential Deck Design and Construction

Live, Interactive Webinar - Tuesday, November 7, 2023



- Review** the history of and applications for exterior decks
- Learn** how to comply with codes and structural standards for decks
- Discuss** ways to adhere to safety and accessibility requirements
- Understand** the options available for shade and shelter
- Take** a closer look at the materials, components, and sustainability of different types of decks

Continuing Education Credits

- | | |
|---|--|
| Professional Engineers
6.0 PDHs | Landscape Architects
6.0 HSW CE Hours
6.0 LA CES HSW PDHs |
| Architects
6.0 HSW CE Hours
6.0 AIA LU HSW | International Code Council
.6 CEUs (Building) |



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Webinar Information

Log into Webinar 8:30 - 9:00 am CST	Break 12:30 - 1:00 pm CST
Morning Session 9:00 am - 12:30 pm CST	Afternoon Session 1:00 - 4:00 pm CST

Tuition
\$319 for individual registration.
\$289 for two or more registrants from the same company at the same time.
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Faculty

Christina Jackson, PMO. CZA *Codes Compliance Inspector III*
Ms. Jackson began her code career in Ohio back in 2005, so her code experience spans over 20 years. Ms. Jackson currently works for the City of Newport News and is a Certified Building Maintenance Official in Virginia. She is a member of the Virginia Building Code Official Association (VBCOA) and serves as VBCOA education chair which provides training for all eight regions within Virginia and its stakeholders. As the VBCOA education chair, Ms. Jackson is always making connections with industry and professional colleagues to offer training locally and on a state level. Since September 2015, she has been a founding board member of the Women in Code Enforcement and Development (WICED) Virginia chapter and has been instrumental in getting the word out about women getting recognized for their contributions to building codes and inspections. Ms. Jackson is the WICED of Virginia president. Ms. Jackson is also a member of the Virginia Association of Zoning Officials where she is a certified zoning administrator. In August 2018, Ms. Jackson was appointed by Governor Ralph Northam to the State Technical Review Board, becoming the first African American female to serve in this capacity. Ms. Jackson also sits on the Permit Tech Nation Board of Directors. She has been an instructor at Tidewater Community College, teaching the International Residential Code BLD 115. Ms. Jackson is a naval spouse. She has served as Navy Ombudsman and is a mother of three.

Eldridge F. Reynard
Certified Advanced Instructor, Jack Proctor Building Code Academy
Eldridge F. Reynard is a certified advanced instructor with Jack Proctor Building Code Academy. He has over five years of experienced teaching and currently holds certifications as a Building Plan Examiner, Residential Building Inspector and Commercial Plumbing Inspector through ICC. Mr. Reynard also instructs on the residential plan review, commercial plan review and commercial building inspections.

Edward L. Fronapfel, MSCE PE D-IBFES DFE CBIE CFCC CBCP EDI PTI NACHI F.NAFE F.ASCE
Mr. Fronapfel's experience in design, analysis and forensic review of the soil/structure interaction on hundreds of projects, and thousands of structures provides insightful, analytical and real world expertise. His education and experience includes geo-hydrology, hydrology, hydraulics, civil engineering, structural engineering and building systems including thermal protection, ventilation of confined spaces, waterproofing, roofing and cladding for residential, commercial, education, and industrial settings. He is licensed to practice engineering in 39 states and Puerto Rico. In addition to engineering, his background includes cost consulting, contract resolution, and project scheduling, consulting and construction project issues. Mr. Fronapfel has served for over 14 years as an adjunct professor at the University of Denver, Burns School of Real Estate and Construction Management teaching construction systems, LEED, mechanical-electrical, plumbing, construction estimating, and project scheduling. He has been qualified as an expert in these fields in over 80 trials in District and Federal Courts, providing over 600 depositions and hundreds of arbitrations. He has been engaged in thousands of cases including being used as an umpire and expert in mediations.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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