**Learning Objectives**

You’ll be able to:

- **Review** the history of energy-conserving residential construction.
- **Explore** the Passive House standard and identify common and useful energy calculation tools.
- **Discuss** Passive House siting, sizing and orientation, and evaluate seasonal heating and cooling strategies.
- **Create** super-insulated building envelopes with minimal thermal bridging.
- **Learn** how to optimize heat gains in the winter and consider integrating renewable energy systems.
- **Review** case studies of completed passive house projects.
David Schleicher  Prairie Design Build
David is a third-generation builder, entrepreneur, construction and building science enthusiast. He believes that the construction industry is going through a revolution and is proud to be a part of it. He has built a team with expertise on several innovative designs, construction methods and products that clients will benefit from for generations to come. David's team has built four Passive Houses and has two underway which will be certified with PHIUS. The team's work has won several local awards, and the business has been recognized as top 25 under 25 employees in Kansas City. He is a Certified Passive House Consultant and a member of the HEMP mentoring program.

David Hawkins  Prairie Design Build
David has been a passionate building scientist and project manager at Prairie Design Build for six years. He has an international business degree from Carleton University in Ottawa, Canada, along with a master's degree in Building Science from Ryerson University in Toronto, Canada. He has also been professionally trained by the Passive House Institute of the United States as a Certified Passive House Consultant, and Certified Passive House Builder. David has been working in the construction world for the past 12 years in a wide range of areas, including pre-construction planning and estimating, energy modeling and construction detailing, in the field installation of super-insulated envelope systems, heating/cooling and ventilation systems, project management and client relationship building. He is especially proud of constructing projects that are durable and comfortable, that will have a low environmental impact, and that will have a positive long-lasting impact on the building occupants' health. He is excited that the building techniques used to achieve Passive House resiliency have become more cost-effective and believes that we will see greater market adoption moving forward.

Joe Nickels  THRIVE Building Solutions
Joe is a Certified Passive House Consultant and General Manager of Thrive Building Solutions. THRIVE provides consulting and product services for high performance and Passive House buildings in Kansas City. He has spent the last 10 years focused on reducing the environmental impact of our built environment. He has a master's degree in Environmental Planning from the University of Kansas.

Joe is a Certified Passive House Consultant and General Manager of Thrive Building Solutions. THRIVE provides consulting and product services for high performance and Passive House buildings in Kansas City. He has spent the last 10 years focused on reducing the environmental impact of our built environment. He has a master's degree in Environmental Planning from the University of Kansas.

Additional Learning
Webinar Series
Foundation Damage and Repair
• Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards
Thurs., March 28, 2019, 11:00 AM - 12:30 PM CDT
• Foundation-Wall Design and Construction
Thurs., March 28, 2019, 10:00 - 12:00 PM CDT
• Assessment of Foundation-Slab Damage & Repair Alternative
Fri., March 29, 2019, 11:00 - 12:30 PM CDT
• Assessment of Foundation-Retaining Wall Damage & Repair Alternatives
Fri., March 29, 2019, 1:00 - 2:30 PM CDT

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 $269. 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.

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