Agenda

Section 1 - Engineered Wood Products: Introduction and Specification (EWP 005/006)
- Develop an understanding of engineered lumber terminology
- Review proper installation methods when using engineered lumber products
- Gain a better understanding of how to properly inspect the framing for manufacture compliance
- Use manufacturer literature to properly specify engineered lumber floor systems

Section 2 - Engineered Wood Products: Specification and Inspection (EWP 006/007)
- Utilize both code and manufacturer details to provide clear direction for plan review and proper construction
- Identify what constitutes proper specification and the importance of maintaining quality during manufacture compliance
- Learn the recommendations of a manufacturer for proper installation and inspection of engineered lumber floor systems
- Use manufacturer literature to find proper details to be used in the inspection of and installation of engineered lumber floor systems

Section 3 - Engineered Wood Products: Load Development (EWP 008)
- Learn how to size I-joists
- Learn how to size and select structural beams
- Acquire skills needed to apply various framing details and connections used in the engineered lumber products industry

Section 4 – Fire Resistant and Fire Rated Assemblies with Wood (EWP 004)
- Learn the difference between fire-resistive and fire-rated assemblies, or what they are and how they are used in building systems
- Learn the facts about engineered wood products and their fire performance
- Exception methods to comply with Section R501.3 of the 2012 IRC, enabling a better understanding of proper methodology and materials discussed
- Fire-rated assemblies with engineered wood products: design to meet this section of the building code

Section 5 – Introduction to Multi-Family Construction using EWP (EWP 009)
- Develop an understanding of the types of construction classifications and load types
- Understand the common building configuration types
- Learn some of the typical construction details regarding this type of construction
- Test the tools available from most manufacturers when designing multi-family structures

Wrap Up and Review

Learning Objectives

You’ll be able to:
- Properly specify engineered lumber floor systems.
- Follow manufacturers’ recommendations to properly install engineered lumber floor systems.
- Size engineered I-joists and structural beams.
- Apply framing details and connections.
- Differentiate between fire-resistive and fire-rated assemblies, and discuss the fire performance of engineered wood products.
- Use engineered lumber components in multi-family construction in various types of building configurations.

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Engineered Lumber Design and Construction
Ann Arbor, MI - Thursday, November 21, 2019

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Webinar Series

Solar Photovoltaic Project Design and Development
• Solar Photovoltaic Project Design and Development, Part I
  Wed., October 2, 2019, 11:00 AM - 1:30 PM CDT
• Solar Photovoltaic Project Design and Development, Part II
  Thurs., October 3, 2019, 11:00 AM - 2:15 PM CDT

Special Inspections
• Introduction to Chapter 17: Special Inspections
  Thurs., October 10, 2019, 11:00 AM - 12:50 PM CDT
• Soils and Foundations
  Thurs., October 10, 2019, 1:00 - 2:50 PM CDT
• Reinforced Concrete and Structural Steel
  Fri., October 11, 2019, 11:00 AM - 12:50 PM CDT
• ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations
  Fri., October 11, 2019, 1:00 - 2:50 PM CDT

Component Tolerance Analysis
• Introduction to Component Tolerance Analysis
  Thurs., October 17, 2019, 11:00 AM - 12:00 PM CDT
• Dimensional Tolerance Analysis
  Thurs., October 17, 2019, 12:30 - 5:00 PM CDT
• Application of Dimensional Tolerance Analysis
  Fri., October 18, 2019, 11:00 AM - 2:15 PM CDT

National Electrical Code
• National Electrical Code, Part I
  Tues., October 15, 2019, 11:00 AM - 3:30 PM CDT
• National Electrical Code, Part II
  Wed., October 23, 2019, 11:00 AM - 3:50 PM CDT
• National Electrical Code, Part III
  Thurs., October 24, 2019, 11:00 AM - 3:30 PM CDT

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Registration

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