Agenda

**Topic 1 – Introduction to Engineered Wood Products**
- Develop an understanding of engineered wood products terminology
- Apply common EWP installation details
- Recall proper installation methods when using engineered wood products

**Topic 2 – Specification of Engineered Wood Products**
- Use manufacturer literature to properly specify engineered wood floor systems
- Produce both code book details and manufacturer details to provide clear direction for plan review and proper construction
- Identify what constitutes proper specification

**Topic 3 – Installation & Inspection of Engineered Wood Products**
- Use manufacturer literature to find recommendations and proper details to be used in the installation and inspection of engineered wood floor and roof systems
- Identify bad installation through inspection and how to remedy issues

**Topic 4 – Load Development with Engineered Wood Products**
- Size and select I-Joists using manufacturer literature
- Size and select beams and columns using manufacturer literature
- Load development workshop using manufacturer literature to design an EWP floor system

**Topic 5 – Fire Design with Engineered Wood Products**
- Summarize the differences between fire-resistant and fire-resistance-rated floor assemblies
- Recall the facts about I-joist framed floors and their fire performance as it relates to IRC codes
- Identify equivalent methods to comply with code in
  - Section R501.3 of the 2012 IRC
  - Section R302.13 of the 2015/2018 IRC
  - “The Membrane Requirement”

**Topic 6 – Multifamily Construction with Engineered Wood Products**
- Identify the five types of construction per IBC code
- Compare the three common methods of framing
- Recall some of the typical detailing and details regarding this type of construction
- Apply the tools and resources available to assist with multifamily structure design

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-resistant 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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