

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 manufacture literature to properly specify engineered lumber floor systems

Section 2 - Engineered Wood Products: Specification and Inspection (EWP 006/007)

- Utilize both code details and manufacture details to provide clear direction for plan review and proper construction
- Identify what quantifies poor specification but more importantly identify what constitutes proper specification
- Learn the recommendations of a manufacturer for proper installation and inspection of engineered lumber floor systems
- Use manufacturer-provided literature to find proper details to be used in the inspection of and installation of engineered lumber floor systems
- Identify bad installation through inspection and learn how to remedy issues
- Jobsite photos – Good, bad and ugly

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 Resistive and Fire Rated Assemblies with Wood (EWP 004)

- Learn the difference between fire-resistive and fire-rated assemblies; addressing and detailing for fire as it relates to 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. e.; enable a better understanding to apply the appropriate methods 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
- Look into the tools available from most manufacturers when designing multi-family structures

Wrap Up and Review

Engineered Lumber Design and Construction
Columbia, SC - Tuesday, April 16, 2019

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Learning Objectives

You'll be able to:

- Identify** proper installation methods when using engineered lumber products.
- Get** tips on properly specifying products, including engineered lumber floor systems.
- Learn** how to size I-joists and structural beams.
- Acquire** skills needed to apply various framing details and connections used in engineered lumber products industry.
- Understand** the difference between fire-resistive and fire-rated assemblies.
- Learn** about the use of engineered wood products in multi-family construction.



Engineered Lumber Design and Construction

Columbia, SC - Tuesday, April 16, 2019



Understand terminology of engineered lumber

Get tips on specifying engineered wood products (EWP)

Discuss the installation and inspection of engineered lumber floor systems

Learn how to size i-joists, structural beams, columns and walls

Examine the fire performance of engineered wood products

Explore the applications for engineered wood in multi-family construction

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