YOU ARE INVITED TO LEARN ABOUT CHANGING CODES

HUBER ENGINEERED WOODS, AMERICAN WOOD COUNCIL,
BOISE CASCADE, & SIMPSON STRONG-TIE CO.

Mass Timber and Conventional Wood Frame Construction: Building Code Update

TUESDAY SEPTEMBER 24TH, 2024
7:30am - 4:30pm // Simpson Strong-Tie
2151 SOUTH AIRPORT DRIVE // McKINNEY, TX 75069

AMERICAN WOOD COUNCIL
Boise Cascade
HUBER ENGINEERED WOODS
SIMPSON Strong-Tie

SEMINAR SPONSORS:

On behalf of the industry it represents, **The American Wood Council** is committed to ensuring a resilient, safe, and sustainable built environment. To achieve these objectives, AWC contributes to the development of sound public policies, codes, and regulations which allow for the appropriate and responsible manufacture and use of wood products. We support the utilization of wood products by developing and disseminating consensus standards, comprehensive technical guidelines, and tools for wood design and construction, as well as providing education regarding their application.

At **Boise Cascade** we make and deliver building materials for the residential and commercial construction industry. As a North American producer of engineered wood products, panels, and lumber, our customers can count on our products to build strong and environmentally friendly structures. Our wholesale distribution business delivers a broad product mix ranging from our own wood products to metal, cement, decking, and other materials. As a dedicated service partner, great products are only the beginning; our business is built on relationships.

Huber Engineered Woods LLC continually strives to create innovative products that suit their customers' needs. Each one delivers outstanding performance, easy installation and greater strength in single family, multifamily and light commercial projects. Huber Engineered Woods' ZIP System® roof and wall sheathing are structural wood panels with built-in protective barriers, eliminating the need for building wrap or felt and providing a continuous rigid moisture and air barrier that optimizes energy efficiency. Additionally, Huber's AdvanTech® subflooring product is proven to achieve a superior combination of strength and moisture resistance — for subflooring that won't swell, cup, delaminate or bounce even under the toughest conditions.

For more than 60 years, **Simpson Strong-Tie** has focused on creating structural products that help people build safer and stronger homes and buildings. A leader in structural systems research and technology, Simpson Strong-Tie is one of the largest suppliers of structural building products in the world. The Simpson Strong-Tie commitment to product development, engineering, testing, and training is evident in the consistent quality and delivery of its products and services. For more information, visit the company's website at strongtie.com.

OPENING SESSION:

7:30am - 8:30am // Registration & continental breakfast
8:30am - 8:45am // Welcome & Introductions

SESSION 1: An Introduction to Mass Timber Buildings in the IBC
8:45am - 9:45am // AWC Staff
Architects and developers are increasingly specifying buildings constructed entirely or partially of mass timber products. Code officials are likely to see these products in all types of construction as permitted by the building code. The 2021 International Building Code greatly expands the allowable height and area of Type IV construction by adding 3 new types of mass timber construction. These changes along with fire test video and examples of how mass timber can be designed to achieve a required fire resistance rating will be presented.
(1 hr. AIA LU/HSW/.10 hr CEU ICC PPP)

SESSION 2: Fire-Resistance and Sound Ratings for Wood Frame Assemblies
9:45am - 10:45am // AWC Staff
The American Wood Council's Design for Code A cceptance No. 3 Fire-Resistance-Rated Wood-Frame Wall and Floor/Ceiling Assemblies. DCA3, is commonly used as an approved source to specify rated fire resistive wood-frame assemblies. One method for determining fire resistance per section 703.2 in the International Building Code is fire-resistant designs documented in approved sources. This presentation introduces requirements for achieving the required fire resistance rating in wood frame buildings of Types III and V construction. These requirements are summarized in the 2021 Code Conforming Wood Design (CCWD), which will also be discussed.
(1 hr. AIA LU/HSW/.10 hr CEU ICC PPP)

10:45am - 11:00am // Break

SESSION 3: Specification and Inspection of Engineered Wood Products
11:00am - 12:00pm // Boise Cascade Staff
This course is designed for all participants to recognize what the code says in relation to specifying and designing Engineered Wood Products. Participants will learn proper design and installation methods so they, in turn, can properly inspect floor and roof systems built with engineered wood products. We will also discuss common field issues and proper resolutions. (1 hr. AIA LU/HSW)

12:00pm - 1:00pm // Lunch

SESSION 4: Code Compliant Exterior Systems for Wood-Framed Building Envelopes
1:00pm - 2:00pm // Huber Engineered Woods Staff
This course investigates code requirements for the building envelope. We will explore traditional and newer integrated solutions that simultaneously provide protection against moisture penetration, air leakage, and thermal bridging.

2:00pm - 2:15pm // Break

SESSION 5: Selection and Inspection of Connectors and Fasteners.
2:15pm - 3:15pm // Simpson Strong-Tie Staff
There are thousands of different connectors and fasteners available for making connections in wood-framed structures. This class will take the mystery out of how to choose the proper connector and fastener for a specific application. It will also discuss how to determine the proper installation for the selected connector or fastener.

SESSION 6: 2021 IRC Deck Codes
3:15pm - 4:15pm // AWC Staff
This presentation introduces basic design and construction methods for single-story residential wood decks focusing on the significant changes to the 2021 International Residential Code (IRC). The vertical and lateral load paths of conventional residential decks, as well as other general information about decks is also included. Specific design guidance includes convenient span tables for joists and beams and tables of post sizing limitations and connection methods. (1 hr. AIA LU/HSW/.10 hr CEU ICC PPP)

4:15pm - 4:30pm // Closing Q&A

QUESTIONS?
Call **Ken Hix** at 706.336.3041 or
email him at ken.hix@huber.com

REGISTRATION FORM

Return to Ken Hix at ken.hix@huber.com (706.336.3041) by September 13, 2024

MASS TIMBER AND CONVENTIONAL WOOD FRAME CONSTRUCTION: BUILDING CODE UPDATE

SEPTEMBER 24, 2024 // 7:30am - 4:30pm

Simpson Strong-Tie
2151 South Airport Drive // McKinney, TX 75069

Continental breakfast at 7:30am

Registration for this event is complimentary

Full Name _____

Jurisdiction / Company _____

Address _____

Telephone _____

Email Address _____

Please indicate the session(s) you plan on attending:

- ☐ **Session 1:** An Introduction to Mass Timber Buildings in the IBC
- ☐ **Session 2:** Fire-Resistance and Sound Ratings for Wood Frame Assemblies
- ☐ **Session 3:** Specification and Inspection of Engineered Wood Products
- ☐ **Session 4:** Code Compliant Exterior Systems for Wood-Framed Building Envelopes
- ☐ **Session 5:** Selection and Inspection of Connectors and Fasteners
- ☐ **Session 6:** 2021 IRC Deck Codes

Will you be joining us for complimentary lunch? Yes ☐ No ☐

Do you have any special dietary needs? Yes ☐ No ☐

If yes, please list:

_____

_____

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