



SOUTHWESTERN

**7:00 am:** Breakfast

**7:30 am — STD333 – 2015 WFCM Significant Changes and Introduction to High Wind Guides (1 Hour)**

Covering engineering concepts from the 2015 Wood Frame Construction Manual (WFCM), used to develop the 2015 WFCM High Wind Guides along with updates on changes to the 2015 WFCM. The WFCM and High Wind Guides provide designers with time-saving tools using prescriptive solutions (based on structural engineering principles) for wood structures to resist anticipated wind loads. Example problems showing how to apply tabular solutions offered in the High Wind Guide will also be presented.

**Learning Objectives:**

- Be familiar with provisions of the 2015 WFCM and High Wind Guides and relevant references in the 2015 International Residential Code (IRC) and 2015 International Building Code (IBC).
- Be familiar with changes in the 2015 WFCM and how they impact structural design.
- Understand how roof, floor, and wall assemblies and connections interact as part of a wind uplift and lateral force resisting system.
- Understand how to appropriately apply tables in both the WFCM and High Wind Guides to determine prescriptive minimums.

**8:45 am—MAT 211-Fire Performance of Engineered Wood Products (1 Hour)**

Covers engineered wood products — Types of engineered wood products commonly used, reasons for their use, practical applications, and resistance of these materials to fire; manufacturing standards, adhesives, and fire protection; and an overview of test standards and approved agencies that verify code compliance of engineered wood products.

**Learning Objectives:**

- Become familiar with the ever-growing family engineered wood products (EWP's) and their unique characteristics
- Become familiar with standards that form the basis for manufacture, development of design values, and fire resistance for each product
- Better understand the use of these products through examples of a wide range of building applications
- Be knowledgeable of resources available to obtain more information

**10:00 am — DES600 – Tall Wood Structures: Current Trends and Related Code and Standard Changes (1 & 2 Hours)**

This presentation will provide an introduction to CLT including relevant design standards and code references. Examples of various mass timber buildings around the world will be provided and potential future code provisions relating to mass timber will also be discussed. The recent introduction of CLT in the 2015 National Design Specification® for Wood Construction (NDS®) and the 2015 International Building Code has opened up an exciting new chapter in wood construction. The use of CLT alone or in combination with other mass timber elements, such as glued laminated timber (GLT) or structural composite lumber (SCL), is becoming more common in buildings complying with the current code. There is also an effort underway by the International Code Council (ICC) to recognize the use of mass timber elements in taller, combustible construction through the work of the ICC Tall Wood Ad Hoc Committee.

**Learning Objectives:**

- Be able to define cross-laminated timber
- Be aware of code updates relevant to CLT and other mass timber elements
- Learn about current tall wood building projects and resources around the globe

# Building with Wood: Meeting the Provisions of the 2015 IRC

**Date: May 24, 2017**

**Time: 7 am to 12:30 pm.**

**Location: Common Man Inn**

**21 Water St, Claremont, NH 03743**

**Woven Label Boardroom** — Room limit is 50 people. Please RSVP to reserve your seat.

**Registration: RSVP to [eo@hbraswnh.com](mailto:eo@hbraswnh.com)**

HBRASWNH Members are invited at no cost.

Join HBRASWNH at the event. *\$35/person for non-members.*

*AIA, ICC and NCSEA accredited for CEUs.*

**Our Speaker:**

**Matthew M. Hunter, BCO, SEO is the Northeast Regional Manager for the American Wood Council (AWC).**

His work experience includes all phases of commercial and residential land development, building inspection, plan review, wetland delineation, municipal engineering, and consulting. Prior to joining the AWC, Matt was a Building Code Official, Sewage Enforcement Officer, and civil engineering designer, draftsman, and field inspector with Pennoni Associates, Inc. Consulting Engineers for fifteen (15) years. Matt has served various townships and boroughs throughout eastern Pennsylvania and has also worked in the trades as a residential framing carpenter and custom deck builder. He is currently a certified Building Code Official through the Department of Labor and Industry in the Commonwealth of Pennsylvania, and is both a commercial and residential building inspector and holds a total of nine (9) International Code Council and Pennsylvania Labor and Industry certifications. He is an ICC member and is active in ICC Regions VI & VII. He is currently the Chairman of the Upper Milford Township Planning Commission in Lehigh County, Pennsylvania. He is an active duty Army veteran, Eagle Scout, and an active adult leader with the Boy Scouts of America.

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**About AWC:**

The AWC produces internationally recognized design