



## 2-day Wood Framing Workshop

May be attended as a whole or by individual sessions

Date: October 18 and 19, 2005

Location: Ramada Inn Conference Center, 1289 Rt 300, Newburgh, New York. Call for directions at (845) 564-4500  
A limited number of discounted rooms are available if overnight accommodations are needed. Call for reservations.

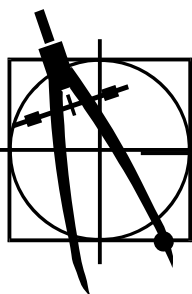
Oct. 18 AM	Building Codes and Wood Design
7:30 – 7:50 am	Registration
8:00 – 9:30 am 1.5 hrs	<b>Building Codes and Wood Design</b> Background information on the development and format of the International Building Code (IBC), including heights and area limitations, use and occupancy classifications, types of construction with a focus on the use of wood, fire resistance, fire retardant treated wood, flame spread rating, finger jointed lumber.
9:30 – 9:45 am	Break
9:45 – 11:00am 1.25 hrs	<b>Wood Structural Design in the International Building Code 2000</b> A layout of how structural wood provisions are presented in the IBC 2000; Chapter 23 in particular. Course also covers how AF&PA documents are referenced.
11:00 – 12:00 pm 1.0 hr	<b>National Design Specification® 2001 for Wood Construction (NDS)</b> Features of the 2001 NDS, including: reformat of connection provisions including block tear-out checks that is retroactive to all previous NDS editions, new notching provisions, pole design, exposed wood member fire design, shearwalls and diaphragms.
12:00 – 1:00 pm	Lunch
Oct. 18 PM	Building Codes and Wood Product Applications
1:00 – 1:45 pm 0.75 hrs	<b>ASD and LRFD with the 2005 National Design Specification for Wood Construction</b> The NDS® for Wood Construction 2005 is a dual format ASD and LRFD document with some enhancements from the 2001 version. Learn about the format of the new document and how to apply its ASD and LRFD design provisions to wood construction through worked examples.
1:45 – 2:45 pm 1.0 hr	<b>Wood as Addressed by the IRC</b> Background information on the development and format of the International Residential Code (IRC) 2000 and 2003 editions, including changes that will be evident with the 2003 edition. This session provides a discussion forum for the use of the IRC and Wood Frame Construction Manual.
2:45 – 3:00 pm	Afternoon Break
3:00 – 4:00 pm 1.0 hr	<b>Engineered Wood Products</b> Introduction to the ever-growing family of engineered wood products (EWP). The standards that form the basis for the manufacture and the development of design stresses for each product are discussed. Unique characteristics for each product are highlighted and extensive examples of the use of these products in a wide range of building applications are presented.
4:00 – 5:00pm 1.0 hr	<b>The Wood Connection Session</b> This session presents current wood connection design philosophy, behavior, serviceability issues, and connection design techniques for small and large wood members, panel products, and wood assemblies, using dowel-type and specialized components. Glued connections will also be discussed along with a brief introduction to connection design software.
Oct. 19 AM	WFCM Introduction and Lateral Load Design
7:30 – 7:50 am	Registration
8:00 – 10:00 am 2 hrs	<b>Lateral Load Resisting Systems for Wood Structures</b> Construction types and the behavior of small structures and structural elements under gravity, seismic and wind forces. Principles and typology of lateral load resistance systems will be discussed including prescriptive braced wall lines as addressed by the IBC/IRC. An introduction to engineered shear wall design, location, and inspection points will be offered.
10:00 – 10:15 am	Morning Break
10:15 – 12:00 am 1.75 hrs	<b>Wood Frame Construction Manual 2001 Edition</b> Apply provisions for designing wood frame structures for wind, snow, and seismic loads based on the <i>Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings, 2001 National Edition</i> . This edition is a dramatic enhancement of the 1995 WFCM that is applicable nation-wide.
12:00 – 1:00 pm	Lunch
Oct. 19 PM	WFCM Workbook Design Example
1:00 – 2:30 pm 1.50 hrs	<b>Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings - Roof and Top Story Design</b> This hands-on segment features by example the complete design of a two-story dwelling for wind, snow, and seismic loadings using the provisions and tables of the Wood Frame Construction Manual 2001 National Edition. General information is presented on the building description, loads on the building, WFCM applicability limitations, prescriptive design limitations, load paths, and design checklists. Students get to work beginning by designing the roof and top story of the dwelling including: wall framing and sheathing, floor framing and sheathing, connections, and details, using referenced worksheets and the WFCM 2001.
2:30 – 2:45 pm	Afternoon Break
2:45 – 5:00 pm 2.25 hrs	<b>Bottom Story Design</b> Students complete the hands-on experience with the detailed design of all bottom story wall framing and sheathing, floor framing and sheathing, connections, and details. Again, referenced worksheets and the WFCM 2001 are used. Supplemental worksheets, checklists and supporting documentation are described.

**The American Wood Council** is the industry leader in development of standards for wood design and is an accredited continuing education credit provider with **AIA, IACET, AIBD, and ICC**. In this educational event, workshop participants will be able to comprehend provisions of the *2001 NDS*<sup>®</sup>, *2005 NDS*<sup>®</sup>, and the *Wood Frame Construction Manual 2001* National Edition for wind, snow, and seismic applications for One- and Two-Family Dwellings.

A seminar information package will be provided to each attendee which includes a CD of all courses presented (fully scripted) and other useful wood design information and resources. To get the most out of the second day, particularly in the hands-on workshop session, attendees are also encouraged to bring copies of the NDS 2001 and WFCM 2001 if they have them.

The **Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings, 2001 Edition** is an ANSI approved document that provides engineered and prescriptive requirements for wood frame construction based on dead, live, snow, seismic and wind loads derived from the 2000 International Building Code (IBC). Developed over a six-year period by AF&PA's WFCM/ANSI Canvass Committee, the WFCM represents a major milestone for the wood products industry. Designers and code enforcement officials now have one comprehensive design reference to provide solutions for residential wood construction, which is increasingly being regulated, especially in higher load regions.

**Presenters:** Robert J. Taylor, PhD, P.Eng., MASCE, Assoc.AIA  
 Director, Technology Transfer  
 Sam W Francis  
 Northeast Senior Regional Manager



## Continu-Ed Seminars

GOSHEN, NEW YORK 10924 • (845) 294-1165 • e-mail: [continued@frontiernet.net](mailto:continued@frontiernet.net)

**2-day Wood Framing  
 Seminar in  
 Newburgh, NY**

Cut and return along with your check to the address above

<b>REGISTRATION FORM</b>		<b>101805 American Wood Council</b>	
Company Name			
Company Address			
Phone Number		Fax Number	E-Mail
Attendee name		AIA #	ICC #
<b>Registration postmarked before Sept 15, 2005</b>		<b>Registration postmarked on or after Sept 15, 2005</b>	
<input type="checkbox"/> Oct 18 AM \$85	<input type="checkbox"/> Oct 18 PM \$85	<input type="checkbox"/> Oct 18 full day \$150	<input type="checkbox"/> Oct 18 AM \$100
<input type="checkbox"/> Oct 19 AM \$85	<input type="checkbox"/> Oct 19 PM \$85	<input type="checkbox"/> Oct 19 full day \$150	<input type="checkbox"/> Oct 18 PM \$100
<input type="checkbox"/> 2-day seminar \$260.00	<input type="checkbox"/> 2-day seminar \$300.00	<input type="checkbox"/> Oct 18 full day \$170	<input type="checkbox"/> Oct 19 PM \$100
<input type="checkbox"/> Oct 19 full day \$170	<input type="checkbox"/> 2-day seminar \$300.00	<input type="checkbox"/> Oct 19 AM \$100	<input type="checkbox"/> Oct 19 full day \$170
Do you want confirmation by: <input type="checkbox"/> Fax <input type="checkbox"/> Mail <input type="checkbox"/> e-mail			
<b>2001 WFCM Workbook</b> (required for Oct.19 afternoon session)		<b>2001 WFCM Manual &amp; Commentary</b> (required for Oct. 19 afternoon session)	
<input type="checkbox"/> Reserve a copy \$17.50	<input type="checkbox"/> Pre-pay \$17.50	<input type="checkbox"/> Reserve a copy \$22.50 (25% off list)	<input type="checkbox"/> Pre-pay \$17.50

A continental breakfast and lunch will be served each day

**Cancellation Policy:** In the unlikely event that Contin-Ed is forced to cancel a seminar, registrants will be entitled to receive a full refund or attend another seminar. Cancellations made by the registrant more than 15 days prior to seminars are subject to a \$10 administrative fee. No refunds will be issued for cancellations made within 15 days of a seminar.