DESIGN OF WOOD FRAME BUILDINGS

DATE: THURSDAY, SEPTEMBER 13, 2007
TIME: 8:45-4:30
LOCATION: CAHABA GRAND CONFERENCE CENTER
BIRMINGHAM, ALABAMA
205-968-3775

Seminar Registration Form

(Lunch provided to all seminar registrants)

Advanced Registration:

- ☐ SEAOAL $165.00 x _____ = $ _____
- ☐ Non-Member $185.00 x _____ = $ _____

Late Registration (After September 10th):

- ☐ SEAOAL $195.00 x _____ = $ _____
- ☐ Non-Member $215.00 x _____ = $ _____

Total = $ _____

- ☐ Check
- ☐ Credit Card-VISA or MasterCard

Account Number

Expiration Date Code

Name

Address

Phone Email

Both the 2001 WFCM + Commentary, and WFCM Workbook, are required for this course – bring yours if you have them. Both these publications will be available for sale at the seminar site at discounted pricing: 2001 WFCM + Commentary ($22.50), WFCM Workbook ($17.50), and receipts will be provided.

I will need _____ 2001 WFCM(s)
I will need _____ WCFM Workbook(s)

Contact: Linda Delahay
(205)540-7197 lsdelahay@pobox.com

SEAoAL
P.O. Box 660584
Birmingham, AL 35266

SEAoAL
P.O. Box 660584
Birmingham, AL 35266

WFCM 1- Day Workshop Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings

September 13, 2007
8:00-4:30

Cahaba Grand Conference Center
1 HealthSouth Parkway
Birmingham, Alabama
205-969-5659

Design of Wood Frame Buildings Seminar

WFCM 1- Day Workshop Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings

The **American Wood Council** is the industry leader in development of standards for wood design. Participants in this seminar will be able to comprehend provisions of the *2005 NDS®*, and the *Wood Frame Construction Manual 2001* National Edition for wind, snow, and seismic applications. Attendees will learn about lateral load behavior and structural response, and also be able to apply building code and issues, connection design philosophies, detailing, and code provisions.

This 1-day workshop (7.0 teaching contact hours) combines lectures, slide presentations and interactive participation of the participants with the instructor in the use of *ANSI/AF&PA Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings*. The focus of the course is practical design using tables from the WFCM. By using an example two-story house, participants will analyze a typical wood-frame house from roof to foundation sited in Seismic Design Category D-1 and 120 mph wind speed. The participant's workbook, including design example, is the focal point of the course. After the course, this workbook will facilitate design of other buildings for high wind, seismic and snow loading. Learning how to efficiently use the WFCM will be valuable to participants as it offers a method of design for high wind with a minimum amount of time commitment by the designer.

The specific course objectives are to

- Become familiar with provisions of the WFCM and the *Commentary* to the WFCM,
- Learn how to design a typical two-story house for seismic and wind loading by a design demonstration, and
- Be able to execute similar designs through the use of the course notebook.

The course will be of benefit to three audiences: architects, engineers, and other designers of one- and two-family dwellings; building code enforcement officials; and building contractors. Designers of wood framed one- and two-family dwelling projects are the primary audience for this course since the participants learn how to design a typical two-story house for wind, seismic and snow loading by a design demonstration. In many instances, building contractors are also home designers, and thus builders should also consider attending. Building officials will also directly benefit by familiarizing themselves with the tables and specifications being used in the design of wood framed residences in high wind and seismic regions.

The registration fee includes a complete seminar kit with CD of free design information and course notes, and CEU certificate. **Both the 2001 WFCM + Commentary, and WFCM Workbook, are required for this course – bring yours if you have them.** Both these publications will be available for sale at the seminar site at discounted pricing: 2001 WFCM + Commentary ($22.50), WFCM Workbook ($17.50), and receipts will be provided. Please indicate the number of each publication you need on your registration form.

Seminar Outline

8:00-9:30 am
ASD & LFRD with the 2005 National Design Specifications for Wood Construction
9:30-10:00 am
Wood Frame Construction Manual 2001 National Edition
10:00-10:15 am
Morning Break
10:15-11:15 am
Wood Frame Construction Manual 2001 National Edition (continued)
11:15-12:00 pm
Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings
12:00-1:00 pm
Lunch
1:00-2:30 pm
Roof and Top Story Design
2:30-2:45
Afternoon Break
2:45-4:30
Bottom Story Design

Presenters

Robert J. Taylor, *PhD, P.Eng., MASCE, Assoc. AIA* ***Director, Technology Transfer***

Dr. Taylor joined the AF&PA as Director, Technology Transfer, coming from his former position as Professor of Structures at the School of Architecture, Montana State University, Bozeman. He holds degrees from Ryerson Polytechnical University, Queen's University, and the University of British Columbia, Canada, majoring in structural/civil engineering and architecture. A licensed professional engineer in his native Canada, he has accumulated over 30 years of experience in academia, industry, and government in highway and building design, consulting, forensics, research, teaching, and administrative capacities.

Dennis L. Pitts, *South Central Regional Manager*

Dennis Pitts is the South Central Regional Manager for the American Forest & Paper Association. Dennis represents the Association in the states of Texas, Louisiana, Arkansas, Oklahoma, Kansas, and Nebraska. Dennis represents the AF&PA membership in matters dealing with the regulation of the use of wood products and is responsible for activities of the International Code Council, specifically activities pertaining to the *International Residential Code.* Dennis served as an industry member of several SBCCI committees and subcommittees: General Design Subcommittee, Fire & Life Safety Subcommittee, Code Change Procedure Ad Hoc Committee, Hazardous Occupancy Ad Hoc Committee, Seismic Loads Ad Hoc Committee, Membership Committee, and Seismic Prescriptive Standards Ad Hoc Committee. He currently is a member of two National Fire Protection technical committees: NFPA 501 Manufactured Housing (Fire Safety) Technical Committee, and NFPA 5000 Building Code, Materials Technical Committee; and also serves as an alternate member of the NFPA 5000 Building Code Technical Coordinating Committee and two Life Safety Code technical committees.