President’s Message

Random end of year thoughts:

This 2008 – 2009 SEAW – SW Chapter Board year has gone by quickly, with many opportunities for learning and rubbing elbows with our friends, peers and fellow professionals:

September meeting: Joint ASCE meeting; Lincoln Avenue Grade Separation Project, Trevor Thornsely, P.E. and Chuck Spry, P.E., S.E.

October meeting: Basalite Concrete Block Manufacturing Plant Tour

November meeting: Joint CSI meeting; Permitting Made Easy - Lacey

January meeting: Seismic Rehabilitation of Existing Buildings, Cale Ash and Chad Taylor

February meeting: Snow Load revisions – John Tate, SE

March meeting: ATC – 20 Training

April meeting: Joint SEAW – Fifth & Yesler Building

      Greg Schindler, PE, SE, KPFF
      David M. Cotton, PE, Kleinfelder Inc

May meeting: Joint AIA/SEAW/AGC meeting St Anthony Hospital

Not to mention the board hours put in planning next fall’s (September 24 & 25) NW Conference which will occur here in Tacoma. Your corporate and individual participation is greatly encouraged!

A special word of thanks to the current board members for their time of service:

Andrew McEachern  AHBL  Past President

Andy Pflueger  AHBL  Treasurer

Dan Sully  City of Tacoma

Sara Imbruglio  PCS Structural Solution

Todd Phillips  Anderson-Peyton Structural Engineers

Wes Neeley  PCS Structural Solutions

An extra special mention of thanks to our departing Executive Secretary: Sarah Middleton and to our incoming Executive Secretary: Ha Pham. Sarah has done a wonderful job for many years and we thank you again Sarah!!!

In summary, many opportunities to learn and to serve our profession were available. Hopefully all of you had a chance to be involved. It only happens if you care and take the time to be involved!

FYI - Voting for next year’s officers and board members will be in May via email.

We all will get a chance to serve during the NW SEAW Conference this September 24 and 25 in Tacoma at the Murano Hotel.

I'm looking forward to another great year for SEAW - SW Chapter.

Off the grid and thanks to all,

Mark Anderson, PE, SE
Anderson-Peyton Structural Engineering Consultants
253-941-9929
manderson@anderson-peyton.com

SW Chapter Board Nominations Are Welcome. Volunteer Today!

Upcoming Events

May 6 & 7  SSTC Seminars
May 7  CSI Seminar
May 13  AIA/SEAW/AGC Joint Meeting
September  SEAW NW Conference
2009 Joint AIA/SEAW/AGC Meeting

“The Design/Construction Side of Saint Anthony Hospital”

Prior to the completion of the new St. Anthony Hospital, the Key Peninsula Region represented one of the largest population centers in the State of Washington without a central community hospital. As a result, more than 3,500 emergencies and 4,000 patients requiring overnight care had to travel outside of the area for treatment. The 350,000 SF, 112-bed Franciscan Health System campus in Gig Harbor addresses the need for critical healthcare services within this growing region, and provides quality care in a patient centered environment that celebrates the local community’s maritime history, rich natural landscape, and the connection between nature, health, and well-being. Click on the “Event Summary” for a detailed description of this joint meeting and program.

PLEASE FORWARD THIS EMAIL TO OTHERS IN YOUR OFFICE OR FIELD. ATTENDANCE IS LIMITED, PLEASE REGISTER ASAP. DUE TO LIMITATIONS YOU MUST SIGN UP AND PAY FOR ENTIRE EVENT TO GO ON TOUR. THANKS.

TWO AIA Continuing Ed Credits will be available, (1 HSW for tour, 1 HSW for program)

4pm- 5pm - Private Tour by ZGF Architects – Saint Anthony Hospital Campus
Directions to Saint Anthony Hospital Campus

5pm- 6pm - Social Hour - Hosted bar by Addison - Canterwood Golf and Country Club

6pm- 8pm - Program/Dinner - Canterwood Golf and Country Club

Tour
Saint Anthony Hospital
11567 Canterwood Blvd NW
Gig Harbor, WA 98332

MAJOR SPONSORS
AHBL, Inc.
KPFF Consulting Engineers
PCS Structural Solutions

SPONSORS
CE&C (Construction Enterprise & Contractors)
Swenson Say Faget

SUPPORTERS
IMAGINiT
Ideate, Inc.

FEE $45.00

WHEN April 13, 2009

WHERE Canterwood GCC
12606 54th Ave NW
Gig Harbor, WA 98332

View Event Summary

RSVP Monday, May 11, 2009
webinars

May 5, 2009
Code Requirements for Structural Integrity

Since the collapse of the twin World Trade Center Towers in New York, the ICC has been under pressure to adopt building code provisions to prevent disproportionate collapse or progressive collapse. In 2006, NCSEA formed a joint ad hoc industry committee to develop such provisions. The committee determined that the code and referenced standards already had substantial protection against disproportionate collapse but did put forward a proposal to make the requirements for buildings of different construction types more consistent. This proposal has now been adopted into the 2009 International Building Code. This webinar will provide an overview of the Structural Integrity criteria contained in the 2009 IBC and referenced standards, and contrast these with criteria enforced by several federal agencies.

The cost is $250 per internet connection. Several people may attend for one connection fee. The times will be 10:00 Pacific. Click here to register.

May 21, 2009
Understanding Tall Buildings Under Wind: Full-Scale Dynamic Behaviors

This webinar will address many of the unique issues associated with tall buildings and the palette of mitigative strategies currently available to reduce their motions, drawing on over five years of full-scale monitoring efforts by the speaker and her colleagues aimed at systematically validating the design of these structures in full-scale. Observations from buildings in Chicago, Boston and throughout South Korea will be used to demonstrate the role structural system classification plays in damping prediction and in the level of amplitude-dependence observed in dynamic properties. Comparisons with finite element models for a number of buildings will further underscore the implications of common modeling assumptions used in design and the mismatches in natural frequency that can occur in full-scale. The webinar will also showcase unique behaviors that can be observed in buildings with significant coupling, amplitude dependence and exposure to transient wind events like gust fronts.

This course will award 1.5 hours of continuing education.

The times will be 10:00 Pacific, 11:00 Mountain, 12:00 Central, and 1:00 Eastern. Click here to register.

June 16, 2009
Disaster Resilience as Sustainable Design

This presentation will examine the concept of disaster resilience and summarize the synergies between PBD and the sustainable design process. It will outline the developing procedures and design tools available to the structural designer as they integrate PBD into their green building projects. Lastly, it will discuss PBD within the context of the USBGC’s current and future LEED rating system, and present case studies for examples of implementation.

This course will award 1.5 hours of continuing education.

The times will be 10:00 Pacific. Click here to register.
Conferences

ATC & SEI
Applied Technology Council & Structural Engineering Institute of ASCE

Improving the Seismic Performance of Existing Buildings and Other Structures
A state-of-the-art conference organized by the Applied Technology Council and the Structural Engineering Institute of ASCE, December 9-11, 2009

This inaugural conference, organized by the Applied Technology Council and the Structural Engineering Institute of the American Society of Civil Engineers (ASCE), is dedicated solely to improving the seismic performance of existing buildings and other structures. The program is being planned to provide a forum for the presentation and exchange of new information on the seismic evaluation and seismic rehabilitation of existing buildings, including case studies, new discoveries, innovative use of new technologies and materials, implementation issues, needed improvements to existing standards and methods, and socio-economic issues. The goal is to provide an invaluable opportunity to advance your understanding of the tools, techniques and innovations available to assist you in meeting the challenges of seismic evaluation and rehabilitation. For those new to the profession, the conference will also provide an opportunity to get up to speed on core issues.

Whether you’re a practicing engineer, an architect, involved with research or teaching, make plans now to attend and participate in this premiere event. With 42 states having some degree of earthquake risk and 18 of those having areas of high or very high seismicity, meeting the needs of our clients by solving the challenges posed by existing structures is paramount to protecting the life, safety and welfare of the general public. We look forward to seeing everyone in San Francisco.

Barry Goodno, Ph.D., P.E., F.ASCE
Christopher Rojahn, P.E.
James A. Rossberg, P.E.

For additional questions please email us at: information@atc-sei.org

ASCE
American Society of Civil Engineer

Registration for these seminars is closed 3 business days prior to the seminar. If you are attempting to register within the 3 days before the seminar begins, please contact customer service at webinars@asce.org to see if space is available. Late registrations will be assessed a $25.00 late registration fee in addition to the normal registration fee.

ASCE Live Interactive Webinar schedule:
May 1 Are You Fighting Fires Instead of Managing Your employees?
May 5 Avoiding Problems in Specifying Metal Roofing
May 6 Quality: What Is It and How Do We Achieve It?
May 7 Going Green IV: Organic Waste Case Studies
May 7 Revisions to the Manual on Uniform Traffic Control Devices (MUTCD)
May 8 Preparing & Implementing Construction Site Storm Water Pollution Prevention Plans
May 12 Monitoring Project Budgets and Schedules: Introduction to the Earned Value Method
May 13 Design of Masonry Shear Walls
May 14 Strengthening Concrete Buildings
May 15 Access Management Best Practices
May 19 Structural Steel Buildings: Design Basics
May 20 Personal Time Management Achieving Life Balance
May 21 Designing Streets for Residential Subdivisions
May 26 Foundations for Metal Building Systems
May 28 Design of Wood Connections
May 29 How to Survive and Thrive in Climates of Uncertainty
May 29 Practical Design for High Performance Hot Mix Asphalt (HMA)

http://www.asce.org/webinar/list
Washington Online Interactive Maps

Two new interactive mapping applications, the Washington Interactive Geologic Map and the Earth Resource Permit Locations map, have been added to the Washington Geologic Information Portal on the Internet.

The Washington Interactive Geologic Map provides access to geologic mapping at several scales, earthquake and tsunami hazard mapping, and geothermal resource information. The Earth Resource Permit Locations map provides access to oil and gas exploration drill hole locations and surface mine reclamation permit sites.

Both applications include base information, such as shaded relief, aerial photography, quadrangle boundaries, highways, rivers, and other geographic reference features. Layers will be added to both applications periodically, as new datasets are prepared.

These applications are available here.
SSTC Seminars
Steel Structural Technology Center, Inc.

May 6 & 7, 2009
La Quinta Inn & Suites – Lakewood
11751 Pacific Hwy SW
Lakewood, WA 98499
P: 253-582-7000

There are three focus seminars. The “Structural Steel and Bolting Inspection” seminar includes International Building code (IBC) special inspection requirements, steel materials, steel fabrication and erection, and high-strength bolting. The “Structural Welding Inspection” seminar includes IBC special inspection requirements, and welding inspection under American Welding Society (AWS) Structural Welding Codes D1.1 – Steel, D1.3 – Sheet Steel, and D1.4 – Reinforcing Steel. The “Plan Reading for Steel Construction” includes structural design and shop drawings and specifications.

The seminars will be instructed by Robert Shaw, a consulting engineer with 35 years experience in steel construction and a specialist in steel construction and quality standards. He is intimately involved in steel construction standards, serving as a member of the AWS D1 Structural Welding Committee and Subcommittee D1L on Seismic Welding, the AISC Committee on Specifications and Task Committee 9 on Seismic Design, and the Research Council on Structural Connections (RCSC) Specifications Committee. He also chairs Commission XV on Design, Analysis and Fabrication of Welded Structures of the international Institute of welding. As President of the SSTC, he has conducted seminars on structural steel inspection since 1990. He is also author of the Structural Bolting Handbook, the Structural Welding Quality Handbook, the Shop Inspection Handbook for Structural Steel Buildings, and the Structural Steel Inspector’s Workbook.

For more information on seminar schedule and registration, click here.

Resources
AISC has gathered all of its free technical resources into one place - freePubs! From Specifications to Modern Steel Construction articles- if it's free, you'll find it here. Click on the logo below or here.
You are cordially invited to the Simpson Strong-Tie Deck Framing Workshop. This FREE half day workshop will focus on the structural code requirements for building an outdoor wood deck and are designed for Building Officials, Contractors, Architects and Residential Deck Designers.

**DECK FRAMING CONSTRUCTION**

**Date of half day class:**
Tuesday, May 5, 2009

Register early, space is limited

**LOCATION:**
Simpson Strong-Tie
22035 West Valley Highway
Kent, WA

**WORKSHOP HOURS:**
Registration/Check In: 7:30 AM—8:00 AM
Workshop: 8:00 AM—12:00 PM

(Coffee and breakfast pastries provided)

**TO REGISTER:**
- **BY PHONE**
  Toll free number 800-999-5099 ask for Ext. 1055
- **BY EMAIL**
dgallegos@strongtie.com
- **ONLINE**
  www.strongtie.com/workshops

**WORKSHOP DESCRIPTION**

This half day workshop is designed for building officials, home inspectors, contractors, architects and residential deck designers. The goal of this workshop is to provide attendees with a detailed review of the structural code requirements based on the International Residential Code, International Building Code and the National Design Specification (NDS) for Wood Construction guidelines, followed by an overview of Simpson Strong-Tie products, developed to satisfy those requirements and do so at the lowest installed cost.

- 4 Professional Development Hours awarded
- Continued Educational Units (CEU) for meeting the workshop completion
- AIBD-Continuing Education Credits awarded
- Simpson Strong-Tie Co. has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102.
2009 DECK FRAMING WORKSHOP

You are cordially invited to the Simpson Strong-Tie Deck Framing Workshop. This FREE half day workshop will focus on the structural code requirements for building an outdoor wood deck and are designed for Building Officials, Contractors, Architects and Residential Deck Designers.

DECK FRAMING CONSTRUCTION

Date of half day class:
Wednesday, May 6, 2009

Register early, space is limited

LOCATION:
Boise
1512 S. First St
Yakima, WA

WORKSHOP HOURS:
Registration/Check In: 7:30 AM—8:00 AM
Workshop: 8:00 AM—12:00 PM

(Coffee and breakfast pastries provided)

TO REGISTER:
♦ BY PHONE
   Toll free number 800-999-5099
ask for Ext. 1045
♦ BY EMAIL
   opsomostithis@strongtie.com
♦ ONLINE
   www.strongtie.com/workshops

WORKSHOP DESCRIPTION

This half day workshop is designed for building officials, home inspectors, contractors, architects and residential deck designers. The goal of this workshop is to provide attendees with a detailed review of the structural code requirements based on the International Residential Code, International Building Code and the National Design Specification (NDS) for Wood Construction guidelines, followed by an overview of Simpson Strong-Tie products, developed to satisfy those requirements and do so at the lowest installed cost.

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Mt. Rainier Chapter of Construction Specifications Institute www.csimtrainier.org

“Preserving Your Sanity in these Crazy Times”
Speaker: Sandra Wright, Executive & Personal Coach

Design Competition: Re-use, Recycle, Restore
Take an existing Item and make it into Something New

Thursday
May 7, 2009

Dinner Program Presentation
Awards 0.1 CEU from CSI CEN and 1.0 LU from AIA

Learn:
Do you find yourself obsessing about things over which you have no control?
Has the joy gone out of your day to day life?
Are you speaking a “doom and gloom” language?
Strategies for staying focused, healthy, and happy

Professional Development Talk :
3:00 to 4:00 pm
0.1 CEU from CSI CEN & 1.0 LU from AIA

“6 Ways Designers could Protect their Design during Construction” by Gerry Pless of TCF Architecture

Tech Talk :
4:10 to 5:10 pm
0.1 CEU from CSI CEN & 1.0 LU from AIA

“How to Select Carpet” by Kandice Coleman of Tandus

La Quinta Inn & Suites
1425 E. 27th Street
(Tacoma)

Since 1948 Advancing the Construction Industry’s Process of Creating and Sustaining the Built Environment
**Dinner Presentation:** “Preserving Your Sanity in these Crazy Times” by Sandra Wright, Executive & Personal Coach Sandra is a coach assisting people to become better in their personal life and professional careers. To discover more about Sandra and what she does please visit [www.coachsandrawright.com](http://www.coachsandrawright.com). This session awards 0.1 CEU from CSI CEN and 1.0 LU from AIA.

**Professional Development Talk:** “6 Ways Designers could Protect their Design during Construction” by Gerry Pless of TCF Architecture Gerry has many years of experience in designing and constructing projects. He will give us a few key pointers on how to get what we want. This session awards 0.1 CEU from CSI CEN and 1.0 LU from AIA.

**Tech Talk:** “How to select Carpet” by Kandice Coleman of Tandus She has been helping designers and owners select carpet that is appropriate for the intended use and budget. This session awards 0.1 CEU from CSI CEN and 1.0 LU from AIA.

**Design/Construction Talks:**
Sean Hoey of Bargreen Ellingson

**Product Displays:**

**Dinner Cost:** $35.00 Members/ $40 Non-Members

**Reservations:** Guests are always welcome

Please RSVP by 5:00 p.m. on Tuesday, 05/05/09 to Bob Kenworthy by phone or email
Phone: (253) 931-4904 Email: bkenworthy@auburn.wednet.edu
Or
Register on line at [www.csimtrainer.org](http://www.csimtrainer.org). Select “Events” or “Register”.

You Can Register On Line and Pay by Credit Card through PayPal or
You Can Register On Line and Pay by Cash or Check at the Meeting.

If you RSVP and then find that you will be unable to attend, please cancel by 5:00 p.m. on Tuesday, 05/05/09. No shows will be billed to cover charges by the restaurant.

**Meeting Schedule:**
3:00 to 4:00 pm Professional Development Talk
4:10 to 5:10 pm Tech Talk
4:30 to 6:00 pm Product Displays
5:00 to 6:00 pm Social Hour / Gathering Time
6:00 to 6:50 pm Dinner
6:50 to 7:05 pm Design/Construction Talks
7:15 to 8:15 pm Dinner Program Presentation

**Next Tacoma Chapter Meeting:** Thursday, June 4, 2009 “Clover Park Technical College’s Architectural Engineering Program” by Fred Ulrich, Evening Program Instructor

**Rainiers Family Night** Saturday, July 25, 2009 Right Field Deck

**SAVE the DATE:** Thursday, September 3, 2009 First Meeting of FY2010
Structural Masonry Design Webinar

The webinar will focus on the requirements of 2006 IBC Chapter 21 and the referenced material standard 2005 ACI 530/TMS 402/ASCE 5. Both working stress and strength design of reinforced masonry will be covered. Learn how to use and interpret the building code through masonry building element design examples. Seminar participants can earn continuing education credit.

Webinar Details:

Dates: May 14, 19, 21, 2009
Time: 4 - 6:30 pm Pacific Time
Cost: $100 per session per connection or $250 for all three sessions
Note: Up to four people can join the webinar per connection and earn continuing education credits.

Webinar Content:

May 14: Masonry Materials, Code Overview, Beam Design
May 19: Columns, Out-of-Plane Walls, Quality Assurance, Rebar Detailing
May 21: Anchor Bolts, In-Plane Walls, Parapet Design, Crack Control

Instructors:

Sue Frey, P.E., Senior Structural Engineering Designer, CH2M Hill Corvallis, OR
Tom Young, P.E., Executive Director, NWCMA Lynnwood, WA

The webinar will be conducted using Live Meeting. Each connection site will receive one workbook which includes a bound set of course notes. Additional workbooks are available for $18 each.
Please plan to participate. Seminar participants can earn continuing education credit. You can register on-line at www.nwcma.org, by calling NWCMA at 425.697.5298, or by faxing this completed form to 425.697.2679.

Name: __________________________________________________________
Company: ________________________________________________________
Address: _________________________________________________________
City/State: ___________________________ Phone: ______________________ Fax: ____________________
Email: __________________________________________________________

Register me for the sessions marked below:

☐ May 14, 2009 $ 100.00
☐ May 19, 2009 $ 100.00
☐ May 21, 2009 $ 100.00
☐ All three sessions $ 250.00
☐ _____ Extra workbooks @ $18/ea $ _______

Total Due $__________

PAYMENTS
☐ Check or Money Order (payable to Northwest Concrete Masonry Association)
☐ Credit Card (Check one) ☐ Visa ☐ Mastercard ☐ Discover ☐ American Express

Card Number______________________________________ Name on Card ________________________________________________________
Exp. Date ____________________ CCV # (last 3 digits on back of card)________________________

CONFIRMATION
You will receive confirmation of your registration, including detailed information regarding Live Meeting requirements.

Please send completed registrations and payment to:
NWCMA · 19109 36th Ave W. Ste 211 · Lynnwood, WA · 98036 or fax to 425.697.2679
Questions? 425.697.5298