



SEAC

GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

MAY GENERAL MEETING

Schedule

Mark Your Calendar
(2008)

General Membership Meetings

- (Breakfast 7:30 a.m.)
- January 17
- March 20
- May 15
- July 17
- September 18

Business Practice Committee Meetings

- (Breakfast 7:30 a.m.)
- February 14
- April 10
- June 12
- August 14
- October 9

SEAC Board of Directors Meetings

- (7:30 a.m.)
- January 10
- February 7
- April 3
- June 5
- August 7
- October 2

Annual Dinner Banquet
November 20
6 - 9 p.m.

Cold Form Metal Framing

Team Panels International is an Englewood based fabricator of pre-engineered & prefabricated cold formed steel structures. Team Panels has been fabricating Pre-engineered CFS Trusses, Wall Panels & Components since 1997 when it was started by the Denver Drywall Company. Today Team Panels operates as an independent company providing a wide range of CFS services to all facets of the construction industry.

Team Panels utilizes the Aegis truss system in the design, engineering & fabrication of their CFS trusses & Wall Solutions software to engineer & design the majority of their walls. They serve a variety of markets that include Hospitality, Institutional, Senior Living, Higher Education, Office building, Retail & any other type of construction that can benefit from the use of Cold Formed Steel framing.



Don't Miss Out - May Meeting

Date: Thurs. May 15, 2008
Speaker(s): Members of Team Panels.
Location: Renaissance Denver Hotel
3801 Quebec Street (South of the I-70
Quebec Intersection)

Please e-mail your reservation to **Caryn** at: seac@martinmartin.com.
Reservations MUST be made By 12:00 pm - Monday, May 12, 2008

Officers & Board Members



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Information for inclusion in the newsletter must

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President's Message

Is it me or did it seem like spring was a bit late this year? Warmer days are finally upon us bringing with it the multitude of outdoor activities our beautiful state has to offer. One thing I keep hearing from the members is that people remain very busy despite our current economic cycle. That being the case, I hope you all find time to balance your crazy work schedules with friends and family.

If you're like me you probably receive more trade journals and email newsletters than you can possibly keep track of (or have time to actually read). Flipping through the contents I'm struck by the constant barrage of new and ever changing technologies, materials, systems, and standards that engineers are faced with. Sustainability continues to grab center stage resulting in opportunities for engineers to creatively express and utilize the structure for enhanced building performance or repair and reuse of existing structures. Further, the rising popularity of design-build contracts and other integrated forms of project delivery are resulting in new collaborative opportunities for structural engineers, beyond their traditional client base. This month's breakfast meeting is a case in point. I hope all of you will plan to see what new and creative ideas are being brought to the light gage framing market by Team Panels (who was also our January breakfast sponsor). From my vantage point, the profession appears to be expanding its reach and looks to be healthier now than ever!

So, what's happening within your organization? The many volunteers and active committees continue to explore a number of issues to improve and expand our reach. Notably, the steel liaison committee continues their work on considerations for steel framed floors.

Past President, **Stan Neujahr** is leading efforts to establish a SEAC scholarship fund. Board Director **Jim Royston** and others spent considerable time writing and presenting their recommendations on the practice of forensic engineering to the State Board of Registration for PE & PLS (please see Jim's article summarizing that effort). In addition, SEAC has agreed to help sponsor a joint research effort through the Colorado Association of Geotechnical Engineers (CAGE) and the Colorado School of Mines investigating the issue of slurry on the lateral capacity of drilled piers. The education committee remains hard at work developing the program and solidifying speakers for the Fall Conference. This will definitely be one not to miss as they present the topic of Building Information Modeling (BIM) from many perspectives. Please watch for announcements and additional information and mark your calendars for October 16th!

You should also know that we've heard you and we've listened. Our website developer and administer **Richard Huddleston** (Zimkor) is working to enable online purchasing of the many SEAC publications, including the newly released Snow Load Report. Finally, the Board is working to round out the list of speakers for the July general membership breakfast and the annual dinner scheduled for November 20th. I cannot begin to thank the folks mentioned, as well as all of you that continue to volunteer your time and put our organization in a class by itself!

As we continue through this busy year I encourage all of you to take a few minutes and provide your feedback as to how we can improve your member organization. Good luck and continued success.

Report on the Task Force of Forensic Engineering

In early 2004, the Colorado Board of Registration for Professional Engineers and Professional Land Surveyors (Board) established a Task Force for the purpose of reviewing the practice of Forensic Engineering in the State of Colorado. Specific areas to be addressed included the standard of care and ethics used to make assessments that may result in cost and/or benefit to particular clients, either through reports or in expert testimony.

The following concerns were evaluated by the 10 member Task Force over the course of two years:

1. Practice outside area of expertise
2. Bundling of engineering reports with legal work
3. Enforcement of minimum standards in construction
4. Lack of professional courtesy

The Task Force produced its *Report on the Practice of Forensic Engineering* (Report) in April, 2006, recommending changing Rule 3.3.2, and recommending new Rules 3.1.2 and 5.4.1 through 5.4.11. The Board deliberated the suggested rule made in the Report, along with other suggested changes made by other committees over the course of the next year.

Testimony, in favor of and in opposition to, the proposed rules was heard in the October, 2007 rulemaking hearing. Subsequently, the Board voted to adopt the Board Rules with the exception of the proposed change to Board Rule 3.3.2 and the addition of proposed Board Rule 5.4. The single change adopted was:

3.1.2 – Ethical Conduct. Licensees shall conduct the practice of architecture, engineering, and land surveying in an ethical manner and shall be familiar with appropriate, recognized codes of architecture, engineering, and land surveying ethics.

The proposed rules that were not adopted by the Board addressed: Serving as an Expert or Technical Witness, Impartiality, Attorney Influence/Advocacy, Existing

Conditions, Non-Engineers, Codes and Standards, Damage Predictions, Repair Scope, Level Surveys, Use of Professional Judgement in Accepting Others' Opinions as Basis for Own, Biased Omission and Differences of Opinion.

Three areas of concern prevented the Board from adopting the suggested changes.

1. It was the consensus of the Board that the current statutes may limit the Board's authority to adopt the changes as proposed.
2. There is the possibility that portions of the proposed rules may be viewed as unconstitutional on the grounds that they impinge on the right to freedom of speech by restraining individuals' free expression as an expert witness.
3. And the proposed rules could be interpreted as violating the "separation of powers" provision of the Colorado Constitution, by infringing on the prerogative of the courts with regard to the rules of evidence.

The Board recognized Task Force members for their tireless efforts to ensure that the issue was addressed thoroughly and fairly.

Welcome

Please welcome our newest member to SEAC:

Leland Lindauer (Professional Member)
Lindauer Dunn, Inc.

In The
Spotlight

Coming Soon
SEAC Fall Seminar
October 16, 2008

Building Information Modeling (BIM)

GENERAL NOTES - ANNOUNCEMENTS

Thank You!

March Speaker



Kris Spickler, P.E.

March Sponsor



SureVoid® corrugated paper construction products create space between concrete structures and expansive soils, thereby isolating the concrete from the swelling ground. SureVoid provides a temporary support platform for concrete placement until the grade beam or structural slab sets and can support itself across drilled piers, pads, intermittent footings or other concrete work. The SureVoid material, lying under the structural concrete construction, gradually absorbs ground moisture and loses its strength after the concrete has set, creating space into which soil can expand without causing damage. With its unique design, SureVoid can be made to support nearly any concrete wall height and width, or any structural slab thickness. SureVoid products are also used in other areas of concrete forming where creating spaces is required. They are frequently utilized in areas with limited access for form removal after concrete placement. In addition, they can be used to displace concrete volume where reduction of weight or cost of the structure is a consideration.

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Simpson Strong-Tie Co. made its first product more than 50 years ago. Since then, we have worked with the engineering and building communities to develop products that have significantly improved the structural integrity of homes and building.

Anchor Systems', Scott Tomamichel will feature several new products for 2008 including the *Strong-Bolt*, designed to meet the post installed anchor performance requirements of the 2006 IRC. New and updated literature include "Cold-Formed Steel Connectors" for residential and mid-rise construction, "Anchor Tiedown System" for multi-story overturning restraint with fewer components and "*Strong-Wall* Shearwalls" for wood and steel with additional applications.

Please stop by at the May meeting and visit with Brian Gillen, Ken Ropp or Jim Feren and bring any questions you may have or pickup Simpson's latest catalogs.



GENERAL NOTES - ANNOUNCEMENTS

CALL FOR ENTRIES

Enter Now!

NCSEA is looking for regional award winners to submit entries for the 2008 Excellence in Structural Engineering Awards Program. If one of your projects has been acknowledged at a local level try our national competition!

National Recognition

Winners will be recognized in STRUCTURE magazine, which is published in cooperation with CASE and SEI, and reaches over 32,000 structural engineers.

Deadline is July 25, 2008

Submissions are accepted from a licensed Professional Engineer or Structural Engineer and will be judged based on the quality of the structural "design" portion of the project.

Categories

New projects, renovations, rehabilitation, structural upgrades and adaptive reuse of buildings, other structures, and bridges are eligible. Projects may be located anywhere in the world. Categories include: New buildings under \$30 Million, New buildings \$30 Million to \$100 Million, New buildings over \$100 Million, New bridge and transportation structures, plus other structural design projects.



Visit www.NCSEA.com for complete rules.

Call with questions.

NCSEA

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GENERAL NOTES - *Keep them CLASSIFIED!*

Structural Engineers Association of Colorado Classified Section & Other General Announcements



KPFF seeks an experienced **structural engineer** for the Denver office. Minimum requirements are six years of building design experience and professional registration in Colorado. Seismic and/or P.T. experience a plus!

We offer a unique work environment with a small office camaraderie and team work ethic, along with the stability and resources of one of the largest structural firms in the United States.

We are looking for enthusiastic and talented people to join our team. If you are interested in this exciting opportunity, please send your resume *in confidence* with a cover letter to:

KPFF Consulting Engineers, Inc.

P: 303-865-5800, F: 303-865-5810
elizabeth.jones@kpff-den.com

www.kpff.com

Classified Ad Policy

To place an ad please contact
Caryn Bauer at:
seac@martinmartin.com

Please try to keep ads to
100 words (maximum).

The cost is \$100.00.



Structural Project Engineer wanted in team oriented small firm in the Denver area. Great working environment, benefits, and flexible schedule.

Duties:

Structural design and coordination of high-end production and custom homes, multi-family housing, and miscellaneous commercial/institutional projects such as churches, schools, office buildings, storage buildings, warehouse facilities, and retail centers. Administrative duties such as marketing, promotion, participation in professional associations, plotting, filing and client development.

Requirements:

Performing field observations of foundation and framing projects under construction as necessary. Budget and invoice approval as able. PE desired or able to obtain. Five years experience in residential and commercial building design as well as renovation projects. Good client relations and communication skills a must. Experience with RISA 2D and AutoCAD a plus.

Please contact Rose Studer with your word doc resume for consideration.

RMStuder@comcast.net



Structural Engineer - Martin/Martin, Inc., Denver, CO. Work under close supervision & training of a Professional Engineer utilizing engineering principles to complete design calculations for structural engineering projects. Utilize Revit by Autodesk to develop BIM and integrate them with analysis software. Requires Master's degree in engineering. Resumes via email only to JPetersen@martinmartin.com. Visit our website at www.martinmartin.com

PUBLICATIONS FOR SALE

2007 COLORADO GROUND SNOW LOAD REPORT & MAP
Price: \$75 (members)

A GUIDE FOR CONSULTING STRUCTURAL ENGINEERING SERVICES: A RECOMMENDED STANDARD OF PRACTICE
Price: \$25 (members) and \$50 (non-members)

2006 SURVEY OF COLORADO BUILDING DEPARTMENTS
UNIT PRICE: \$50.00
CD: \$100.00



Contact Caryn Bauer at
seac@martinmartin.com for order forms.