



SEAC

GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

SEPTEMBER GENERAL MEETING

Considerations for the Preparation of Structural Steel Specifications

Schedule

Mark Your Calendar (2010)

General Membership Meetings

(Breakfast 7:30 a.m.)
January 21
March 18
May 20
July 15
September 16

Business Management Committee Meetings

(Breakfast 7:30 a.m.)
February 11
April 8
June 10
August 12
October 14

SEAC Board of Directors Meetings

(7:30 a.m.)
January 7
February 4
April 1
June 3
August 5
October 7

Fall Seminar

October 21

Annual Dinner Banquet

November 18
6 - 9 p.m.

Specifications are written instructions accompanying the Design Drawings and are an integral part of the Construction Documents. Generally, they describe material standards, choices and quality, workmanship, performance, testing, inspection and installation procedures, and other information more easily presented in written form. By convention, specifications are separately bound in book form, but not always, and issued with the Design Drawings, which together are intended to provide complimentary portions of the Construction Documents. The General Contractor, Detailer, Fabricator and Erector are sometimes faced with incomplete and conflicting Structural Steel Specifications and consequently can become confused about the designer's intent. Critical comments frequently voiced are that the specifications are "not job specific", they are "boiler plate" or "cut and pasted" from another project.

This topic will be presented by the SEAC/RMSCA Steel Liaison Committee in a panel discussion format. Hot topics such as: Prime Painting/ Galvanizing, Removal of Steel Backing, AISC Certification for Fabricators, Erectors & Shop-Painters, Shop Testing & Field Testing, and Expectations are planned to be addressed. The purpose of this presentation is to point out concerns that the structural steel industry finds with Structural Steel Specifications and to offer recommendations that can improve their preparation and effectiveness.

FALL SEMINAR

SEE REGISTRATION FORM ATTACHED TO THIS NEWSLETTER.

PLEASE NOTE THE DIFFERENT LOCATION.

September General Meeting: Thurs. Sept 16, 2010

Speaker(s): SEAC/RMSCA Steel Liaison Committee
Location: Renaissance Denver Hotel
3801 Quebec Street
(South of the I-70 Quebec Intersection)
Time: 7:30 a.m.

Please e-mail your reservation to **Caryn** at:
seac@martinmartin.com

Reservations MUST be made By Monday, Sept 13, 2010.

Officers & Board Members



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Information for inclusion in the newsletter must be received one month prior to the next general meeting.

Caryn L. Farrell
SEAC Executive Assistant
seac@martinmartin.com

President's Message

Thanks to everyone that responded to the recent online survey regarding increasing dues. Your input is important and we particularly appreciated the comments.

Our organization has been in existence since 1954 and is one of the oldest of its kind in the country. I took a minute to review the objectives of SEAC as stated in our constitution and believe that we are still managing this group as was originally intended and should be proud of the work we do.

An important aspect of our organization is the interchange that takes place at our membership meetings. When we come together six or seven times a year and share our experiences and insights with others we gain more than what the speaker has been able to share with us. I believe our meetings are important on many levels. That being said we certainly need to continue to look at the details of how we go about this and the comments we received will help.

A number of you suggested we cut back on the cost of the breakfast meetings so we wouldn't need to increase dues. We have been looking at that for as long as I've been on the board and I imagine this will be an ongoing discussion in the future. We actually get a pretty good deal at the Renaissance. We've priced alternatives the past two years and will keep doing so. We will be having our Fall Seminar at a new location and we will see how it goes and what it might lead to.

The board has also debated reducing costs by eliminating the meal. When I have heard that come up in the past, the argument against doing so is that attendance will drop off considerably. The same is said when we have suggested reducing dues but charging separately for the meal. That being said, eliminating breakfast was the most repeated comment on the survey and I'm sure we will look at this again.

We also received comments regarding having more continuing education seminars. I wouldn't disagree with this idea. I'm hoping that everyone that suggested this also gets involved with our education committee and helps make this a reality.

For those of you that asked about the SEAC website, we did launch a new and updated version this year and hope to continue to make improvements. You can purchase documents online and we hope to eventually add the ability to RSVP for meetings and pay dues online. And if you forgot or misplaced the password to the members area, it is "seacstructure".

What really struck me in the end were the responses to the question "What do you consider to be the most valuable aspect of your membership in SEAC?" On the next page (page 3) is a list of comments extracted from the survey:

President's Message Cont. - Comments From the Membership Survey

Relationships with other members

Access to NCSEA

Keeps me somewhat connected to the broader structural engineering community in Colorado

I enjoy the speakers

General Breakfast meetings

Networking with fellow engineers in a casual setting

Quality of speakers at the breakfast meetings and opportunity to network with others

Sharing information with peers

Technical Seminar and Business Practices Meetings

Staying in touch with other structural engineers in the area Knowing how other engineers deal with things

Technical Seminars, and publications

Communicating with other engineers and listening to the speakers at the breakfast meetings

Participating in committee work to network and progress development

Code development

Inexpensive CEUs

Networking with engineering community

Updates on changes in code/practice Discounts on Seminars/Workshops

Tech meetings and develop of snow load map, etc

Breakfast meeting educational content

Gathering with other structural engineers and firms for networking and learning what they are doing in their firms

Publications, seminars, association with a professional organization.

Access to a group of people with a huge amount of experience and expertise within my own profession

The committee's that work with other entities in the structural engineering community such as the steel liaison and architectural liaison groups are valuable to the promotion of structural engineers as a whole.

Regular conversations and connection with SEAC engineers and members. (Networking)

Code Information

Technical presentations applicable to engineering in Colorado

Insights gained from attendance at Business Management meetings. Also the data generated by the annual Business Practices survey.

Socializing

Publications

The technical presentations and the socializing with other engineers

Networking and roster

Business affiliation, and interaction and personal relationships with colleagues and other professional structural engineers.

The opportunity to work with other structural engineers to improve the practice of structural engineering in our state, to improve building codes, and to promote technical excellence.

Just being associated with other structural engineers.

Keeping up to date with local projects and trends, while obtaining CEU/PDH at the same time

Committee work

While reading this list, I was impressed with the number of you that valued coming together to interact and connect with each other. To me, this reinforces the value of our meetings and tells me more happens during breakfast than just education.

GENERAL NOTES - SPONSORS

JULY SPONSOR THANK YOU



July Speaker - Bil Hawkins



July Sponsor - CRSI



Through its network of region managers, CRSI supports SEAC and structural engineering associations nationwide with documents and educational programs. Publications are available through your region manager and at crsi.org. Contact your region manager to arrange a presentation in your office, tailored to meet the needs of your personnel.



CRSI Design Handbook

A design reference for cast-in-place reinforced concrete construction, the CRSI Design Handbook provides one information for design and analysis of common reinforced concrete structural elements such as, pile caps, retaining walls, columns, beams, footings, and floor systems.

CRSI Reinforcement, Anchorages and Splices

The definitive source for information on development and splicing of reinforcing bars. Features technical data on mechanical splices including load tests for Type 1 and Type 2 splices. Includes extensive tables of development and lap splice lengths for Grade 60 reinforcing bars with 3,000 to 10,000 psi concrete compressive strengths, and development and lap splice tables for epoxy-coated reinforcing bars, including development length tables. Also includes expanded information on headed bars. Based on ACI 318-08 and AASHTO bridge specifications.

CRSI Manual of Standard Practice

The Manual of Standard Practice has been presenting the standards of the reinforcing steel industry since 1927. New content is specific to ACI 318-08. Every architect, engineering firm, construction company, and inspection agency that is involved with reinforced concrete should own a copy.



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Important

Notice to Voting Members

The board would like to thank everyone that participated in the recent online survey regarding a possible increase in dues. The survey results indicated most of you consider the membership meetings to be very valuable both for education and networking. However, these meetings are our greatest expense and the cost does continue to rise. Therefore, the Board of Directors of SEAC is proposing an increase in dues. SEAC does operate as a not-for-profit and this increase is only intended to cover our operating expenses.

We have been working to reduce costs and have considered moving our meeting location and reducing the extent of or completely eliminating breakfast. For instance, the fall seminar will be held at a new location and that event will help us evaluate the possibility of moving our membership meetings in the future. We have also purchased a video projector to reduce our ongoing A/V costs. Additionally, we now charge for guests and will continue to look at other ways to control expenses.

The board proposes the following to the voting membership:

Shall dues for local professional members and for local affiliate members be increased (from \$120) to the amounts shown below?

2011 Dues \$130
2012 dues \$140

And shall student membership dues be increased (from \$30) to the amounts shown below?

2011 Dues \$60
2012 dues \$60

Non-local membership dues are not affected by this change.

We will vote on this question at our next membership meeting on September 16, 2010.

Welcome

Please welcome our newest members to SEAC:

Kristin Rowe (Student Member)

David Currie (Affiliate Member)
Merrick & Company

Pro Bono Help

BALCONY WITH SOLAR POWERED STRAIN GAUGES - BATTERY & ALARM HORN

For 7 yrs. I have let students struggling with the cost of graduate education and homeless vets live in my house, rent free to try to 'give back.' I need to build a 9' balcony attached to a spiral staircase to provide another egress for them. This might win a prize or get written up in a professional journal because of the novel alarm system. I am retired, limited income and can't afford to pay for professional services but would be willing to sign a hold harmless agreement. I need a SE's stamp for the City. Doug Kerr 720-422-7868 dougkerr9@mac.com

The Board of Directors is looking for a volunteer to chair the SEAC Wind Committee. If interested, please e-mail seacwind@jvajva.com.

GENERAL NOTES - General Announcements



Judges for National Awards of Excellence Program



Judges for National Awards of Excellence Program

In The Spotlight

SEAC HOSTS NCSEA NATIONAL AWARDS OF EXCELLENCE JUDGING

SEAC was honored by NCSEA to host judging for their annual National Awards of Excellence program. NCSEA awards committee chair Carrie Johnson (Wallace Engineering/Tulsa) and NCSEA Board member Ben Nelson organized the event on August 11. Projects were submitted for review by NCSEA members throughout the country for awards consideration. A record amount of seventy-two entries in eight categories represented projects across the USA and overseas. Seventeen SEAC members spent the morning of August 11 deliberating in teams and pouring over the awards submittals. Martin/Martin hosted the event. Awards Chair Carrie Johnson told the judges this was the most challenging year for the awards program yet due to the extraordinary level of projects submitted together with a record number of entries. She thanked SEAC for an equally extraordinary panel of judges who thoughtfully debated the merits of each project before awarding 24 projects as semi-finalists. All semi-finalists will be honored and finalists announced during the NCSEA Annual Conference Awards Dinner in New Jersey this year on October 2nd. SEAC and NCSEA thanks the following judges for contributing their time:

Alex Abel, City & County of Denver
Jonathan Akins, University of Colorado-Boulder
Paul Doak, Martin/Martin, Inc.
Paul Hause, Structural Consultants, Inc.
Bob Hunnes, JVA
Susie Jorganson, Leo Daly
Andrew Kelsey, Ascent Group, Inc.
Brant Lanher, KL&A
Rob Leberer, Anderson & Hastings
Jerry Maly, Wiss, Janney, Elstner
Brent Norris, J. R. Harris & Company
David Poe, Anchor Engineering
David Renn, S.A. Miro
JD Shafer, Stresscon
Tom Skinner, JVA
Brian Tinkey, Martin/Martin, Inc.
Bruce Wolfe, Structural Consultants, Inc.

If you have a change of address, phone, fax, or e-mail. Please e-mail Caryn Farrell at seac@martinmartin.com

SEAC 2010 FALL SEMINAR



Schedule:

7:30-8:15 – Breakfast

8:15-8:30 – Introduction

8:30-9:30 – Masonry Veneer and Cladding Systems

9:30-9:45 – Coffee/Tea Break

9:45-10:45 – Welding Knowledge for Structural Engineers

10:45-11:00 – Coffee/Tea Break

11:00-12:00 – Post-Tensioned Slab Foundations in Colorado

Masonry Veneer and Cladding Systems:

Representatives from the Masonry Institute and Atkinson-Noland & Associates will discuss what structural engineers need to know about veneer and masonry cladding. Topics include veneer support and anchors in deep wall cavities, code limitations, wind loads, height restrictions, deflection considerations and general best practices.

Welding Knowledge for Structural Engineers:

Representatives from steel erection, fabrication and inspection companies will discuss topics concerning what the structural Engineer-of-Record needs to know about welding specifications, weld types, symbols, and other key information which helps engineers achieve their design goals with efficient use of welds applied in both the shop and the field.

Post-Tensioned Slab Foundations in Colorado:

Representatives from structural and geotechnical engineering firms knowledgeable about the design of post-tensioned slab foundations will discuss the recent Colorado Association of Geotechnical Engineers recommendations on post tensioned foundations in Colorado. Presentations will provide key information on the development of Colorado practice for the use of post-tensioned slab foundations with consideration of local soil conditions, including expansive soils.

RSVP - 2010 Fall Seminar

Thursday, October 21, 2010

Denver Police Protective Association Building

2105 Decatur Street

Denver, CO 80211 (Parking is free)

(Return This Form With Your Payment)

Fall Seminar Tuition:

Students: \$50.00

SEAC Members: \$75.00 if paid by October 6, 2010.

\$100.00 after October 6, 2010 or if you pay at the door.

MAKE CHECKS PAYABLE TO **SEAC**

MAIL TO:

Attn: Caryn Farrell (same person, new last name)

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Company Name:		
Phone No:		
Names of Attendees:		Fee Amount
TOTAL		