



MAY GENERAL MEETING

Schedule

Mark Your Calendar
(2006)

General Membership Meetings

(Breakfast 7:30 a.m.)
January 26
March 16
May 18
July 27
September 21

Business Practice Committee Meetings

(Breakfast 7:30 a.m.)
February 9
April 13
June 8
August 10
October 12

SEAC Board of Directors Meetings

(7:30 a.m.)
January 5
February 2
April 6
June 1
August 3
October 5

Annual Dinner Meeting

November 2
6 - 9 p.m.

JOINT SEAC-ACI MEETING: CONCRETE

Are You Getting the Concrete You Specified ?

William (Bill) Caires, Principal of J. A. Cesare & Associates, Inc. / Construction Technical Services will address various topics of specifying and obtaining the concrete desired for your projects. From submittal reviews, to the selection of the testing laboratory, reviewing the concrete test reports, low strength investigations (testing, materials or construction problems), changes in ASTM coring procedures, industry requirements for certified technicians, ACI strength evaluations, responsibilities of providing proper on-site curing facilities, etc.

Performance Based Concrete Specifications : NRMCA's P2P

David Imse, P.E., Regional Technical Services Manager, Aggregate Industries will present the National Ready Mixed Concrete Association's effort to move from traditional, prescriptive concrete specifications to performance-based specifications. David is a member of the P2P committee and will discuss the advantages of specifying engineering properties of concrete, rather than mandating materials and methods.

Don't Miss Out - May General Meeting

Date: Thurs. May 18, 2006

Speaker(s):

Location: Renaissance Denver Hotel
3801 Quebec Street (south of the I-70
and Quebec intersection)

Please e-mail your reservations to Caryn Bauer at: cbauer@martinmartin.com.

Reservations MUST be made By 12:00 noon on Monday, May 15, 2006.

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

Caryn L. Bauer

SEAC Executive Assistant

President's Message

One of the greatest lessons I ever learned in life occurred when I finally realized that it was my job to “just listen” to the problems and concerns my spouse wanted to discuss. It was not my job to try and fix each problem as it was described to me. Talk about a difficult thing to accept. Is there any stronger personality trait we share as engineers than the one that makes us all want to “fix” every problem presented to us?

Engineering has been described by many as “the problem solving profession”. We enjoy the process of determining how to make something work or what caused it to break. For most of us it is more than a chosen profession, it defines a part of our very nature. It is this dedication to our profession that leads most of our involvements with SEAC.

As our year progresses I am very pleased with the activities of our organization. The activities of our committees and the Board should assist all of us to be more productive and better informed as we go forth solving the challenges of this very busy year. We have had very good attendances at our meetings so far this year. I know I for one have already had several discussions regarding the new wind maps that were presented at our last breakfast meeting. For those of you who have not heard, the SEAC membership voted unanimously to endorse this document. Most local jurisdictions I have talked with have very positive things to say regarding this new publication. This month we have the opportunity to share a presentation with the local chapter of

ACI. It should be very informative and a great chance to strengthen ties between our organizations. Most of our committees are very active and there is always room for additional participation. Our snow load committee is working on a project similar to the wind load presentation for presentation this fall along with our building department survey and other topics being considered. Our SEAC/AIA joint committee has also taken on a very challenging project, one we will be discussing in the upcoming months. It is very encouraging to see this much dedicated effort coming from our membership. We should all feel fortunate to be part of an organization with such dedicated members. I encourage all of us to find ways to associate in part with some aspect of SEAC or another professional organization. I believe it is through this level of involvement that our profession becomes more than just a job, it becomes an aspect of who we are and we derive more enjoyment and reward from our daily professional activities. Good luck to you all as the year continues.

J.R. Barker



The July SEAC meeting has changed to Thursday, July 27, 2006 - Please update your calendars

Questions & Answers

Q: Is AWS D1.1 the appropriate weld standard to reference for cold-formed framing such as exterior metal stud walls?

A: (response for last newsletter's question)
In its simplest form the answer to our last newsletter is no. The correct weld specification for cold-formed framing welds is AWS D1.3. We should be careful to ensure that welders be properly certified for this type of work to ensure good craftsmanship.

New Question

What is the required loading on an elevator rail support beam and where is this information found?

In The Spotlight

The SEAC Board would like to limit any project highlight articles to a brief synopsis of the project with the focus of the article being a technical challenge and its solution. All submissions will be subject to review and editing by **SEAC's Board of Directors** and the **Newsletter Editor**.

*Submit Articles to SEAC President at
jr@sci-denver.com*



GUIDE: RECOMMENDED STANDARD OF PRACTICE

Price: \$15 (members) and \$20 (non-members)

1999 Seminar Proceedings:

SUGGESTED LOCAL STANDARD OF PRACTICE IN THE PRECAST AND STEEL INDUSTRIES

Price: \$15

2001 Seminar Proceedings:

PRE-ENGINEERED TRUSSES: WHAT THE DESIGNER NEEDS TO KNOW AND SHOW

Price \$15

Contact Caryn Bauer at seac@martinmartin.com if you would like to purchase one of these publications.

GENERAL NOTES - *Keep them CLASSIFIED!*

Structural Engineers Association of Colorado Newsletter Classified Section
& Other General Announcements



Kirk and Young are seeking a structural engineer with 2-6 years of experience in the structural design of commercial buildings. Applicants must hold a BSCE or BSAE degree, with MSCE or MSAE being a plus. Strong technical and communication skills and the potential to fill the role of project engineer for building projects with a construction budget of up to \$25 million are desired.

We offer a competitive salary and benefits package, including health insurance, retirement plan and paid leave. Our offices are centrally located in the Metro Denver area.

Email your letter of interest and resume to: ss@kirk-young.com.

Classified Adds Policy Statement

Last year the SEAC board of directors approved the inclusion of classified advertisements in the SEAC newsletter. Since its approval, many firms have taken advantage of this opportunity. The adds provided in this month's newsletter are being included unedited as they have been written by the participating firms. The SEAC board of directors will be discussing this topic in the January Board of Directors meeting. We will be adopting content and size limitations for these advertisements. These limitations will be published to our membership prior to our next newsletter publication.



Fay Engineering

FORENSIC CIVIL/STRUCTURAL ENGINEER

This job involves accident reconstruction, forensic engineering and expert testimony. Applicant should be experienced in design of homes, buildings and industrial structures, foundations and timber structures. Familiar with codes, experiences in computerized structural analysis.

Good communications skills (verbal and written). Good physical condition, able to perform field assignments. Good physical appearance and assertive personality, able to present well in a legal environment. Previous experience in deposition and trial is helpful. Must be able to think on your feet.

Submit resume to Fay Engineering
Attn: Dee Murphy or Fax at 303-329-0687 or e-mail at dmm@fayengineering.com.



Become a member of SEAC
Access the Membership Application from our web site.

www.seacolorado.org or contact
Jerry Maly at 720-962-8688.

Share our newsletter with a colleague. Bring a guest to a Breakfast Meeting.

COMMITTEE REPORTS

Architectural Liaison (Chair: Julian Lineham)

The committee met in March and is working to develop new relations with the AIA by interacting with its Intern committee. Our committee has taken on the mission of forming a task force of interested groups to create a post mortem report to evaluate the performance of the structural engineer following the design and construction phases of a project.

Building Department Survey (Chair: Henry Lopez)

Data collection for the new building department survey is ongoing. The start of data entry is imminent. The committee is planning a fall 2006 publication date.

Precast Liaison (Chair: Richard Mayta)

The committee last met on April 6th. Its new topic is a review of current precast concrete master specifications in order to develop an updated precast spec section.

Snow Loads (Chair: Dick Cunningham)

Data collection and analysis is ongoing. A presentation is planned for this fall, with publication of the report to follow shortly thereafter.

Standard of Practice (Chair: Jim Ness)

The committee is planning to take up the topic of BIM modeling as it relates to standard of practice.

Steel Liaison (Chair: Bruce Wolfe)

The committee has completed its study of the steel shop drawing process and will soon be publishing a report titled, "Suggestions for Improving the Steel Shop Drawing Process." The committee met April 11th to begin work on its next topic, which is floor levelness in steel buildings.

Wind Loads (Chair: Dave Houdeshell)

Committee members Dave Houdeshell and Jeannette Torrents participated in the presentation by Jon Peterka of the Front Range Wind Gust Map Report at the March breakfast meeting.

If you would like to have news of your committee activities published in this column, please forward the information to Caryn Bauer or Street Schellhase.

Vendors Corner

For future newsletters we need the help of our engineering membership and our vendor members to provide us with additional helpful tips on products. Again we reiterate, this is not to provide a forum of advertisement, but to share new ideas or products we encounter. We encourage all of our membership to share ideas. Your ideas should be sent directly to the SEAC president at jr@sci-denver. Thank you.

