



# SEAC

## GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

### SEPTEMBER GENERAL MEETING

#### Schedule

Mark Your Calendar  
(2011)

##### General Membership Meetings

(Breakfast 7:30 a.m.)  
January 20  
March 17  
May 19  
July 21  
September 15

##### Business Management Committee Meetings

(Breakfast 7:30 a.m.)  
February 10  
April 14  
June 9  
August 11  
October 13

##### SEAC Board of Directors Meetings

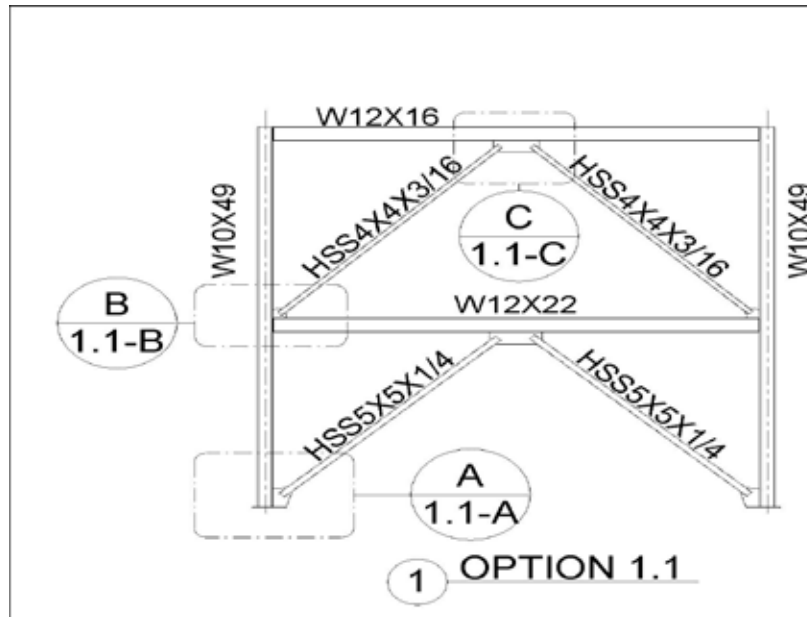
(7:30 a.m.)  
January 6  
February 3  
April 7  
June 2  
August 4  
October 6

Fall Seminar  
October 20

Annual Lunch Banquet  
November 17  
Time: TBD

### STEEL LATERAL SYSTEMS

The SEAC/ RMSCA Steel Liaison Committee will make a presentation on the topic, "Steel Lateral Systems". Our goal is to select topics we believe to be of interest to the steel construction industry. In building design, Structural Engineers are always faced with the selection of a lateral force resistive system. This important decision is usually made early in the design. There has been a trend toward using a steel system rather than concrete or masonry shear walls. Fabricators and Erectors are seeing more benefit to a steel system when considering coordination and field tolerances with other trades and a shorter schedule. The Committee, which is comprised of Detailers, Erectors, Fabricators, and Structural Engineers has selected a variety of steel lateral force resistive systems, designed them, run pricing comparisons, and determined the pros and cons for each system. The Committee was surprised at how many questions arose and decisions needed to be made for a simple one-bay, 2-story analytical design. Several members of the Committee will make the presentation. There will be a question and answer time at the end of the presentation.



#### Don't Miss Out - September General Meeting

Date: **Thurs. September 15, 2011**

Speaker(s): SEAC/RMSCA Steel Liaison Committee

Location: Renaissance Denver Hotel  
3801 Quebec Street  
(South of the I-70 Quebec Intersection)

Please Register and RSVP on the SEAC website at [www.seacolorado.org](http://www.seacolorado.org) or email your reservation to Caryn at: [seac@martinmartin.com](mailto:seac@martinmartin.com). Reservations MUST be made by: Monday, Sept. 12, 2011.

## Officers & Board Members



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### Submit comments/articles to:

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[www.seacolorado.org](http://www.seacolorado.org)

*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](mailto:seac@martinmartin.com)

## PRESIDENT'S MESSAGE

Special thanks go out to the Steel Committee and RMSCA for all their hard work this year to bring us the presentation and sponsorship for our September meeting. Without their volunteered time, effort, and expense, our association would suffer indeed.

This commentary is based upon my recent reading of the NCSEA proposed SE licensing policy. This policy will be voted on at the national conference in November. You may see the proposal at (you may need to copy the link below):

[http://www.ncsea.com/downloads/20110817\\_NCSEA\\_Proposed\\_Licensing\\_Policy.pdf](http://www.ncsea.com/downloads/20110817_NCSEA_Proposed_Licensing_Policy.pdf)

I am torn on this issue because it seems that, while having a national standard upon which life safety and engineering economics can be fairly balanced across our country is a great idea, the logistics and cost of the bureaucracy required to develop, institute, enforce and maintain it across the states, and this nation, are daunting at best. In addition, it seems that there are already standards, laws and codes that are in place but not enforced. Do we really need more? As professional engineers we are ethically bound to practice in the structural engineering arena only to the extent that we are qualified to do so. Doing anything else, for example taking on the design of a skyscraper when your experience is limited to residences, would be financial and legal suicide. Anyone who has been a practicing structural engineer for more than a few years knows the risks better than most of not keeping abreast

of model codes and standards, of not continuing ones education or staying abreast of new structural systems and products.

NCSEA, CASE, and SEI all are promoting national standards and licensure. There are varying specifics but some of the recommendations include National SE licensure through education, experience, and testing. This then branches out into possible 1 or 2 tier licensure along the lines of PE and SE requirements for project size and location. It has been suggested that a National Certification system be implemented similar to the Model Law Structural Engineer through NCEES. It seems to me that most of these suggestions are in place already.

I believe that we as Structural Engineers have a responsibility to raise the bar when ever we can, but do not need another layer of bureaucracy to do it. I encourage the SEAC membership to contact your board members ASAP to voice your opinion as the BOD must direct our NCSEA delegate on how to vote before the October conference.

Andrew C. Kelsey, PE  
President

# GENERAL NOTES - *General Announcements*

Structural Engineers Association of Colorado General Announcements



## Steel Fabrication Plant Tour

Where: Zimmerman Metals, Inc.  
When: Wednesday, September 28th  
Time: 7:30 a.m. - 9:00 a.m.

Organized by SEAC Education Committee  
For Questions: Call Elizabeth Jones  
(Martin/Martin, Inc.) at 303-431-6100

## JULY SPONSOR:

**RAMJACK**

**THANK YOU**



**RAMJACK**

**COLORADO**



## Please "REGISTER" on the SEAC Website!!!!

SEAC Members - **All** SEAC members need to "REGISTER" on the SEAC website. Once you "REGISTER", you will be able to **RSVP** for all events and **Pay** (using PayPal) for all events, such as the Fall Seminar. You will be able to **RSVP** for General Membership meetings and enter your guest names and pay for any guests attending the General Membership meetings. In addition, you will be able to update your information (such as change of company name, address, email information, etc.). Our website also includes an Employment Page. You will be able to pay your Annual Dues online by next year.

Reminder the SEAC password is: **seacstructure**  
You will need this password to **REGISTER**.

To "Register" and/or "Create an online Account"  
Please Follow the link provided below:

<http://www.seacolorado.org/become-a-member/>

Ram Jack is an industry leader in designing, manufacturing, and installing high quality steel piling products for deep foundation systems and remedial underpinning on existing residential and commercial structures. We have received 19 patents for advanced designs over the last 23 years and recently became the first and only pile manufacturer to receive an International Code Council Evaluation Service Report (ESR-1854).

Ram Jack's foundation stabilization products include a helical pile system, a hydraulically driven steel piling system and a helical tieback anchoring system. Common applications include:

- Underpinning for foundation failures
- Tiebacks and wall anchors
- New construction
- Concrete slab lifting and stabilization
- Boardwalks, bulkheads and seawalls
- Tower/guy anchors
- Light poles and sign supports

In addition to foundation stabilization, Ram Jack of Colorado offers water intrusion repair, perimeter drain installation, sump pit/pump installation, foundation crack repair, vapor barrier and crawlspace ventilation systems, wall bracing and epoxy injection.

Ram Jack of Colorado  
12540 West Cedar Drive  
Lakewood, Colorado 80228  
Phone: 303-716-7437  
Fax: 720-382-2228

# GENERAL NOTES - *General Announcements*

## Structural Engineers Association of Colorado General Announcements

### News from the SEAC Denver Building Department Liaison Committee

The SEAC Denver Building Department Liaison Committee has again worked with the Denver Building Department as they moved toward adoption of the 2009 I-Codes.

On June 17, 2011, the City and County of Denver adopted the 2011 Denver Building Code that consists of the 2009 I-Codes with the 2011 Denver Amendments. The effective date of the new building code will be October 17, 2011. During the four month transition period between June 17 and October 17, projects may be designed using the provisions of the 2008 Denver Building Code (based on the 2006 IBC) or the 2011 Denver Building Code (based on the 2009 IBC). The transition rules for the adoption of the new code are contained in the 2011 Denver Amendments, Administrative Chapter 1, Section 103.10. After October 17, 2011, the 2011 Denver Building Code will be in force.

The 2009 International Existing Building Code (IEBC) has not been adopted by the City and County of Denver. However, the Denver Building Department is developing a policy to govern the use of the IEBC. Application to use the IEBC will be made through the Administrative modification process. The SEAC Denver Building Department Liaison Committee is currently in the process of reviewing the 2009 IEBC in conjunction with this policy development. The purpose of this review is to recommend amendments to any structural provisions in the 2009 IEBC that are deemed to be in need of clarification, modification or elimination, or to incorporate physical, environmental, and customary construction practices specific to the Denver area.

Members of the SEAC Denver Building Department Liaison Committee are: *Alexander Abel, Loren Flick, Rob Jackson, Jim Harris, Paul Hause, Jerry Maly (Chair), Kevin O'Connell, Stan Welton, Jed Williamson, and Rodger Young.*

# Welcome

**Please welcome our newest members to SEAC:**

**William Bolduc** (Professional Member)  
Keymark Enterprises

**William Babbington** (Professional Member)

**Daryn Hobbs** (Student Member)

**Pdero Oronia** (Student Member)

### Did You Know....?

- SEAC's FALL SEMINAR IS COMING SOON! See the attached Flyer for more information.
- SEAC's Annual Dinner will be switched to a LUNCH this year. More Details to Come.

# GENERAL NOTES - SEAC *Scholarship Winners*

Structural Engineers Association of Colorado General Announcements

The SEAC Scholarship Fund, Inc. is pleased to introduce this year's Scholarship Winners.



Pedro Oronia is starting his master's this fall at the University of Colorado, Boulder. A first-generation college student, Pedro grew up in Denver watching his dad work construction. During the school year he works at FedEx to help pay for his studies. For the last three summers, he has had internships with Kiewit Construction. According to one of his professors, “[Pedro’s] dedication to the betterment of society and his demonstrated academic achievements epitomize the ideals [he] espouse[s] as an engineering educator.”



Daryn Hobbs is starting his senior year at the University of Colorado, Boulder. Originally from Alaska, Daryn ran his own sign-building business while still in high school. He worked as a resident advisor at CU and, like Pedro, interned for Kiewit Construction during the summers. As part of his scholarship application, Daryn states that he has been “intrigued by the capability to design and build infrastructure serving as the silent backbone of society” since elementary school.

In addition to a \$2,000 scholarship, each student received a year's membership in SEAC. Please take the time to congratulate them if you see them at a breakfast meeting. If you would like to make a contribution to the SEAC Scholarship Fund, please download a pledge from [www.seacolorado.org](http://www.seacolorado.org).

**ATTENTION:**  
**ENGINEERS & ARCHITECTS**  
**COME SHOW YOUR CREATIVITY**



**WHEN:** Friday, November 18th at 2pm  
**WHERE:** Lodo's, 1946 Market St. Denver, CO  
**COST:** \$40 per bridge

Registration required by Friday, October 28th

Entry fee payment required by Friday, November 4th

Your team will receive four commemorative pint glasses at the event!



[gingerbreadbridge.com](http://gingerbreadbridge.com)

