



SEAC

GENERAL NOTES

Structural Engineers Association of Colorado Newsletter

MAY GENERAL MEETING

Electronic Signatures - What Practicing Structural Engineers Need to Know

Schedule
 Mark Your Calendar
 (2012)

General Membership Meetings
 January 18 (Wed.)
 Lakewood Country Club

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

Business Management Committee Meetings
 (Breakfast 7:30 a.m.)
 February 9
 April 12
 June 14
 August 9
 October 11

SEAC Board of Directors Meetings
 (7:30 a.m.)
 January 5
 February 2
 April 5
 June 7
 August 2
 October 4

Fall Seminar
 October 18

Annual Banquet
 November 15
 11:30 a.m. - 1:00 p.m.

Please join us this month for a presentation and discussion on the subject of Electronic Signing of construction documents. More and more it seems our clients are asking us to provide pdfs or some other form of electronic documents with our stamp and “electronic signature”. According to the *Colorado Bylaws and Rules of The State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors*, electronic signatures are allowed, but there is more to this story. There are potential pitfalls when it comes to compliance with the board rules and not all jurisdictions even accept electronic signatures yet.

Electronic Signing of construction seems to be in its infancy and there is a lot of confusion out there. Various methods exist (both proper and improper) to apply a digital signature to construction documents and many of the proper methods are complicated and expensive to implement. The goal of this presentation is to shed some light on some of the methods that are not only compliant with board rules but are more easily and economically implemented. Our presenter aims to help us understand the important aspects

surrounding this topic.

As we anticipate a good Q/A after the presentation, **Sandra Scanlon, P.E.**, a current member of the State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors will be on hand. *We hope you can join us!*



Jack Smith is the Co-founder of Initial. AEC. Started in August of 2001, Initial. AEC has become the leader in full service I.T. solutions for the AEC industry in the state of Colorado. Jack began his professional career in Engineering as a Mechanical/Plumbing designer and made the transition to IT in the fall of 2000. He is a Microsoft Certified Professional and is a member of many industry leading organizations such as ASHRAE and ASPE. A Denver native, Jack enjoys cycling, golfing, and spending time at Grand Lake with his wife of 20 years and their two daughters.

Don't Miss Out - May General Meeting

Date: Thursday, May 17, 2012 - 7:30 a.m.

Speaker(s): Jack Smith, Initial.AEC
Q&A: Sandra Scanlon, P.E.
Location: Renaissance Denver Hotel
 3801 Quebec Street, Denver, CO 80207
 (South of the I-70 & Quebec Intersection)

Please RSVP on the SEAC website at:
www.seacolorado.org
 or email Caryn Farrell at:
seac@martinmartin.com
 Reservations MUST be made by:
 Monday, May 14, 2012.

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
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President's Message

I drove by my old office building in the "RiNo" district a couple of days ago and saw that it is now a big pile of rubble waiting to be hauled away to make way for the East Corridor commuter rail line from Union Station out to DIA. When we moved into that building I said that "it was my dream office". Although it was in an industrial area, I loved its classic construction with its exposed structure of load bearing brick walls, riveted steel trusses and timber roof framing. When people walked into it for the first time the word "wow" was usually uttered. For me, the light at the end of the tunnel was quite literally a train... or commuter rail to be specific. Changing circumstances are a part of life and I will look back on my 8 years in that building fondly and I will miss it. Being the subject of eminent domain is not something that I wish to go through again, especially in the midst of a horrible recession. I have learned to look beyond circumstances to see positives in the changes. They have brought about exciting new chapters in my life. Our new office is still very nice in different ways, is in a much nicer area of town, and looking back on this and all trials & challenges in my life I usually see how I have matured and learned a lot that I did not know before.

Big changes seem to be going on not only in my life but all around our profession and in the construction industry in general. The city of Denver is changing at its core with the Union Station redevelopment area, all of the urban infill projects going vertical, and the announcement by the mayor of the "Airport City Denver"

plan at DIA. Our profession is going through changes also; there are new codes like ASCE 7-10, BIM is being used more and more, more projects are being delivered using methods other than the traditional Design/Bid/Build, ... not to mention the Sunset Review of the Colorado Statutes governing Structural Engineers.

On the subject of BIM, a new committee has been formed within SEAC called... you guessed it, the BIM Committee. The Chair of this new committee is **Dezi Mackey** (Martin/Martin, Inc.) and the Liaison for the Board of Directors is **Stan Welton** (Thornton Tomasetti). Stay tuned for more information regarding the first meeting. If this committee interests you, please contact one of the Board members for more information.

The Education Committee continues to do good work and appears to be narrowing in on the topic of the ASCE 7-10 Wind Design Provisions for the Fall seminar. I am sure that the committee would gladly accept more help if this topic interests you.

Yes.... Changes are a part of life and SEAC is a very important voice in the changes affecting our profession.

David A. Poe, P.E., S.E.
President

GENERAL NOTES - *Keep them CLASSIFIED!*

Structural Engineers Association of Colorado Newsletter Classified Section



Jirsa Hedrick, a consulting firm specializing in building structure design, is seeking an experienced design engineer. We offer a challenging and rewarding work environment with opportunity to become proficient in the design of a variety of building types and materials.

Interested applicants must have a Master's degree in Civil Engineering with a structural emphasis, between 2 and 6 years of relevant building design experience, and a passion for designing building structures.

Please direct inquiries and resumes to: structure@jirсахedrick.com



Small "Colorado style" firm is seeking engineers with 4 to 8 years of experience in the design of commercial structures. We are a total REVIT firm, so a working knowledge and some experience with REVIT-Structures is essential. You must also be familiar with the RAM suite of programs. We are looking for a self directed individual with strong client skills. Experience with the design and detailing of structures in high seismic areas is a plus.

Please send a resume to: ry@kyse-structural.com and visit our website at www.kyse-structural.com



LPR Construction in Loveland, CO seeks Preconstruction Engineer to provide construction structural engineering for means and methods to build projects and preplanning activities for construction. The position requires working seamlessly with other departments including safety, quality control, sales, and project management. Bachelor's degree in Civil, Structural or Mechanical engineering. 2-5+ years experience as a design engineer or construction engineer for commercial structural steel projects and/or industrial construction projects. Strong understanding of the AISC Specifications and related codes/ standards. Fluent in BIM, CAD, MSWord, Excel, PowerPoint and 3D frame analysis. Apply online at: www.lprconstruction.com



Studio 8.18 Engineering is seeking a structural engineer for our Denver office. Our company expertise is in the structural design of new buildings and the evaluation, renovation and repair of existing structures. Our firm's day to day design ranges from home additions and remodels, to new multi-million dollar homes and low rise commercial developments, to structural investigations. We are growing quickly and need candidates who can make an immediate impact on project load.

Position candidates should have/be the following:

- 3+ years of experience as a structural engineer
- Self starter
- Problem solver
- Project finisher
- Personable

Please submit resume to: info@studio818engineering.com

Classified Ad Policy

To place an ad please contact

Caryn Farrell at:
seac@martinmartin.com

Ads will be placed on the SEAC Website and newsletter.

Employment Ads must be kept to 100 (maximum).

The cost is \$100.00.

GENERAL NOTES - SPONSORS/ANNOUNCEMENTS

**MAY SPONSOR:
SIMPSON STRONG-TIE
THANK YOU**



For more than 50 years, Simpson Strong-Tie has focused on creating structural products that help people build safer and stronger homes and buildings. A leader in structural systems research and technology, Simpson Strong-Tie is one of the largest suppliers of structural building products in the world. The Simpson Strong-Tie commitment to product development, engineering, testing and training is evident in the consistent quality and delivery of its products and services.

Simpson Strong-TieR product lines include:

- Structural connectors for wood and cold-formed-steel construction
- Strong-WallR prefabricated shearwalls
- Strong Frame™ ordinary moment frames
- ATS Anchor Tiedown systems for multi-story buildings
- Quik DriveR auto-feed screw driving systems
- Stainless-steel and corrosion-resistant fasteners
- Simpson Strong-Tie Anchor SystemsR anchors and fasteners for concrete and masonry

For more information, visit the company's Web site at www.strongtie.com.

**MARCH SPONSOR:
ROSBORO - XBEAM
THANK YOU**



Welcome

Please welcome our newest members to SEAC:

James Staebler (Affiliate Member)
Knott Laboratory

Michael (Mic) Baca (Professional Member)
Pattillo Associates Engineers, Inc.

Tom Vitale (Affiliate Member)
Palace Construction Co., Inc.

Matt Seewald (Affiliate Member)
Palace Construction Co., Inc.

Utkarsh Pandey (Affiliate Member)
Lyntek, Inc.



2012 Membership Directory will be on the SEAC Website SOON.
Watch your email for details.



SEAC 2012 Proposed Budget and Year over Year Comparison - 4/29/12

	2012	2011		2010		2009
	Budget	Actual	Budget	Actual	Budget	Actual
Income						
Advertising	0.00		0.00			0.00
Dues - Membership Dues						
Affiliate Members	5,420.00	5,420.00	5,300.00	4,260.00	2,500.00	2,670.00
Business Mgmt.	1,200.00	1,000.00	720.00	760.00	1,000.00	1,080.00
Professional Members	28,800.00	28,842.96	27,160.00	24,560.00	25,000.00	26,880.00
Student Members	180.00	0.00	240.00	225.00	500.00	30.00
Total Dues - Membership Dues	35,600.00	35,262.96	33,420.00	29,805.00	29,000.00	30,660.00
Annual Dinner Sponsor	1,000.00	1,000.00	0.00	0.00	0.00	0.00
Employment Advertisement	100.00	300.00	0.00	0.00	0.00	0.00
Fall Seminar	8,000.00	20,584.52	7,500.00	7,550.00	5,000.00	4,710.00
Fall Seminar Sponsor	3,000.00	3,500.00	3,000.00	3,000.00	3,000.00	3,500.00
Fees - Annual Meeting	3,000.00	2,907.18	2,000.00	1,500.00	2,200.00	2,250.00
Fees - Breakfast Guests	550.00	564.74	500.00	580.00	250.00	0.00
Interest Income	50.00	64.08	50.00	58.22	350.00	491.90
Miscellaneous Income	0.00	1.34	0.00	85.00	0.00	0.00
Sales - Breakfast Sponsors	4,000.00	4,000.00	5,000.00	4,420.00	5,000.00	4,000.00
Sales - Building Dept Survey	100.00	154.75	100.00	215.00	200.00	270.00
Sales - Snow Load Report	500.00	1,362.92	500.00	673.00	500.00	1,477.00
Sales - Std. of Practice	150.00	168.42	150.00	245.00	150.00	360.00
Total Income	56,050.00	69,870.91	52,220.00	48,131.22	45,650.00	47,718.90
Expense						
Accountant	1,170.00	1,170.00	1,170.00	1,170.00	900.00	900.00
Awards	500.00	499.85	650.00	462.76	650.00	459.09
Bank Charges	0.00	0.00	0.00	0.00	0.00	24.00
Committee Expenses	500.00	0.00	500.00	408.75	500.00	231.98
Contract Labor	9,900.00	9,900.00	9,900.00	9,000.00	9,000.00	9,000.00
Conventions	3,200.00	3,074.02	3,200.00	3,652.33	3,100.00	2,638.96
Meetings - Annual Dinner	3,500.00	3,425.47	4,000.00	3,406.36	4,000.00	3,863.41
Meetings - Business Practice	1,300.00	1,049.66	1,300.00	1,570.83	1,300.00	1,241.49
Meetings - Fall Conference	10,000.00	14,244.65	5,000.00	1,574.00	5,000.00	4,063.11
Meetings - General Membership	12,000.00	11,226.25	16,000.00	15,547.30	16,050.00	11,277.39
Messenger Services	50.00	0.00	50.00	12.32	250.00	236.09
Miscellaneous	600.00	77.00	600.00	354.95	600.00	360.00
NCSEA Committees	600.00	0.00	600.00	0.00	500.00	0.00
NCSEA Dues	4,600.00	4,520.00	4,500.00	4,240.00	4,500.00	4,480.00
Office Supplies	200.00	62.26	200.00	189.39	150.00	137.13
Postage	100.00	111.47	100.00	57.38	400.00	261.53
Print/Postage New Mmbr. Binders	300.00	300.00	300.00	0.00	225.00	0.00
Printing - Snowload						0.00
Qualifications Based Selection						0.00
Seminar						0.00
Scholarship Fund Donation	1,000.00					
Survey - Business Practice	900.00	900.00	900.00	900.00	900.00	2,000.00
Web Site	4,000.00	3,793.75	3,000.00	1,892.00	2,250.00	2,481.50
Total Expense	54,420.00	54,354.38	51,970.00	44,438.37	50,275.00	43,655.68
Net Income	1,630.00	15,516.53	250.00	3,692.85	-4,625.00	4,063.22