

January 6th Program

A Message from the President

**Tall Concrete Buildings:
State of the Art Design**

Ron Klemencic, Magnusson
Klemencic Associates

By Hamid Fatehi, Program Chair

The construction of tall concrete buildings around the world has continued over the last several years, despite the economic downturn and concerns over increased terrorist threats. Advances in concrete construction have occurred in Europe, the Middle East, North America, and Asia. The application of advanced structural systems, as well as the introduction of new construction techniques and products, have contributed to the success of these projects. This month's presentation will provide an overview of some of this new technology and the challenges that have been overcome in implementation. Specifically, the presentation will include a discussion of:

- Tuned liquid mass dampers
- Two-Day construction cycles for high rise construction
- New forming systems and their effects on speed of construction and structural performance
- In-slab air ducts
- Unique framing systems

One project that will be highlighted is the High Cliff Apartments in Hong Kong (pictured). Located on a steep, rocky slope high above Central Hong Kong, this 73 story tower soars to new heights with an amazing slenderness ratio of 20:1. A unique structural framing system, in combination with a series of tuned liquid mass dampers, ensures the safety and comfort of the buildings occupants.

As President of Magnusson Klemencic Associates, Ron Klemencic, S.E., has designed

tall concrete buildings around the world and throughout the United States. In addition, Ron currently serves as Chairman of the Council on Tall Buildings and Urban Habitat, adding further breadth to his field of vision on international construction activities. Closer to home, Magnusson Klemencic Associates has completed the structural design of many high-rise buildings in San Francisco, including the nearly completed high-rise residential towers of The Metropolitan at 333 First Street.



**Nothing Simple about
Code Simplification**

For as long as I can remember structural engineers have been complaining about the complexity of our building code in general and specifically about the seismic provisions. As one might expect, the cry for code simplification comes from engineers who are attempting to apply the code, rather than those involved in the code development process. The general idea seems to be that what's short and simple is inherently better than what's longer and more complex.

A mentor to me in the early part of my career was a well-known structural engineer named Mike Pregnoff. When I worked for him in the 1970's Mike was already in his seventies (born in Russia in 1900). Those who knew Mike knew that he did not shy away from complex formulations (slope-deflection theory was a passion); but as he got older (and was no longer involved in helping to write the code) he did like to complain about it. He said that *back in the good old days*, when he designed structures such as the San Francisco Opera House, there was one copy of the current code in the office and on the occasion when an engineer needed to look something up he needed to locate it. Must have been interesting working in an environment so relatively free of rules. However, an important distinction can be seen between Mike's complaint and that of so many engineers that are speaking out today. His concern was not necessarily that the code had too much technical content but that engineers were becoming slaves to the code.

Thinking back on this, I'm wondering if perhaps the real downside to our relatively long and complex code (compared to the good old days) is not actually its length and complexity, but its effect on the mindset of

Continued on page 2

Meeting Notice

Tuesday, January 6th, 2004

Assembly	5:45
Dinner	6:30
Program	7:30

City Club, San Francisco

155 Sansome Street, 10th Floor

Fax registration form on the back of this newsletter to the SEAONC office by 12 noon Tuesday, Dec 30th, 2003

FAX: 415-764-4915

Continued from page 1

engineers who use it. After all, none of the sciences or professions are as simple as they were 30 years ago, but people are not complaining about the advances that have made it possible to diagnose and treat illnesses or to clean our air and water - or to make buildings safer against earthquakes. It's safe to assume that the research it took to make such advances must need to be captured in some form in the implementation procedures. To me the most serious concern about complex codes is the tendency for practicing engineers to feel that the code is now the only tool needed for design. With the complete and perfect code maybe engineers could throw out their Chopra textbook or worse yet, engineering judgement.

Back in the good old days of 1959 when our SEAOC founding fathers developed the first Blue Book, things of course were simpler. The provisions in the 1959 Blue Book took up only seven pages of text and they were accompanied the following year by a 50-page commentary. One would assume that human nature being what it is, there must have been plenty of complaining about how complicated life had become. However, once engineers got accustomed to that version, one would assume the complaining stopped until the next version was introduced. In any case, given the stature of the drafters of that groundbreaking document (Blume, Degenkolb, Hammill, Kellam, Preece, Powers, Rinne and Sedgwick represented SEAONC on the first Seismology Committee) it seemed to me to be a good place to look for wisdom relative to code philosophy. Here's a paragraph taken from the 1960 Blue Book Commentary section on *Code Purpose*:

The code provides minimum design criteria in specific categories, but in broad general terms. Reliance must be placed on the experienced structural engineer to interpret and adapt the basic principles to each specific structure. Because of the great number of variables and the complexity of the problem, it is impractical and beyond the scope of this code to so detail the code as to make it cover specifically all the variations in response, the dynamic characteristics of the structure, the variables in ground motion, the intensity of the earthquake, the distance to the epicenter of the seismic disturbance, and the types of soil. It does not always follow that increasing

the design lateral forces results in a safer structure; in some instances this may do more harm than good. Thus great latitude for the exercise of analysis and judgement must be given the responsible structural engineer.

A couple of key points can be deduced from this impressive commentary: first, there were many variables that (at least at that time) could not be codified; and second, it is not possible to codify engineering judgement. However that didn't stop them from including prescriptive language in the code related to such things as the height of a building above which a complete ductile moment frame was required, or that seismic force resisting elements of masonry needed to be reinforced. Also, some of those same authors would in later versions include prescriptive requirements prohibiting cross grain ledger bending in out-of-plane anchorage and nonductile concrete frames in Zones 3 and 4. It's safe to assume that they would have tackled deformational compatibility if they had the time and steel moment frame connections if they had a crystal ball. It seems that some combination of general and prescriptive guidance has been around since the beginning.

This is not intended to be an argument for unnecessarily complex codes. But it is a recognition that with shorter and simpler provisions comes a greater responsibility on the part of the practicing engineer to read research papers and reports on historic performance of buildings in earthquakes. For example, if the code is simplified (shortened) so that the provisions for designing for near fault effects are removed, then is it safe to assume we've read the USGS research that lead to these provisions? Since this is *common* knowledge, the public (and their attorneys) will assume we have.

By the way, whether you like our current seismic provisions, or simply tolerate them, there is help on the way. The 2003 NEHRP Provisions, generally now the predecessor to our seismic codes, have a simplified analysis procedure. This will be contained in ASCE 7-05, which will be the standard for both the IBC and NFPA seismic provisions. More important, there is an effort underway to completely re-format the ASCE 7 so that, even without removing provisions, it will read more logically. Finally, there is discussion among the

code bodies that it might be worthwhile to permanently extend the traditional three-year cycle to five years, making it possible to weigh code change proposals more carefully before publishing them.

Happy New Year!

- David Bonneville, President



CALENDAR OF EVENTS



January 6

San Francisco Dinner Meeting
City Club, San Francisco

January 14

Business Forum Luncheon
City Club, San Francisco

January 15

YMF Monthly Meeting
Blue Chalk Cafe, Palo Alto

February 3

San Francisco Dinner Meeting
City Club, San Francisco

February 10

South Bay Dinner Meeting
Michael's at Shoreline,
Mountain View

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EXISTING BUILDINGS COMMITTEE

Code Retrofit Triggers in Development

by David Bonowitz, Committee Chair

If a building is damaged in an earthquake, should it just be repaired, or should the owner be required to "bring it to code"? What if it's damaged by fire instead? What if it's not damaged at all, but the owner wants to convert it from an old warehouse to new condos? And what if our dreams come true, and our clients want to *voluntarily* improve their buildings' earthquake resistance—are there guidelines that can help them without spending a fortune on the engineering? Ok, I guess our dreams *require* them to spend a fortune on the engineering, but you know what I mean. There are no uniform answers. San Francisco's policies are different from L.A.'s, Oakland's are different from Berkeley's, etc. Into the breach steps the 2003 International Existing Building Code, one of the ICC family of codes and standards.

In January, your Existing Buildings Committee will finalize recommended changes for the 2006 IEBC. In April, the State Committee will propose them formally to ICC. Now is your opportunity to be heard. EBC members are currently drafting change proposals, and SEAONC positions will be taken at a meeting in early-to-mid January. Interested SEAONC members should contact EBC chair David Bonowitz for more information.

Why is the IEBC important if it's not adopted yet in the Bay Area? Three reasons. First, it references, in various ways, two documents with strong SEAOC pedigrees: FEMA 356 and the 2000 Guidelines for Seismic Retrofit of Existing Buildings. Second, jurisdictions have learned that they need written policies on these issues, and the strong trend toward regional, if not statewide, code uniformity makes a standard like the IEBC very attractive. Third, as we know from President Bonneville's *News* article last month, the IBC is back in play as the potential model code for California. If the IBC is adopted, the IEBC is its natural complement.

CONTINUING EDUCATION

Summary of Fall 2003 Seminar

by Troy A. Morgan, Committee Chair

The SEAONC Fall 2003 Seminar was held at the PG&E auditorium on Nov. 11th and 18th, 2003. Over 250 people attended the seminar, which was entitled "Light Gauge Steel Construction" Topics included in this seminar covered a broad range of timely design and construction issues encountered in the design and construction of light-gauge steel buildings.

Mr. Hank Martin started off the seminar with an overview of light-gauge steel and discussed the various references for code provisions. He was followed by Mr. Marc Press, who presented bearing wall design examples and showed numerous photos related to construction of wall systems. Dr. Reynaud Serrette concluded the first night with a discussion on the design and performance of light gauge steel lateral systems.

For the second evening of the seminar, Mr. Ray Grage began with a presentation on the general light gauge steel detailing and construction issues. He was followed by Mr. Tom Castle, who spoke on the design and detailing of non-structural wall systems and exterior cladding. Mr. Chris Tokas concluded the seminar with a presentation on light gauge steel detailing specifically for projects requiring OSHPD approval.

Many thanks to all of the speakers for their informative presentations and special thanks to the SEAONC office and Continuing Education Committee members Julia Hunting, Jackie Bassett, Reina Farah, Taryn Williams, C.S. Hwang, Howard Zee, Marc Ramirez and Marci Uihlein for all their help. Look for an upcoming newsletter announcement regarding the Spring 2004 seminar on Design and Construction of Prestressed Concrete Structures, tentatively scheduled for the Wednesday evenings of Mar. 24th and 31st.

Thank you very much!

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Young Members Forum
Ali Afrasiabi
650/494-1600
aafraziabi@umerani.com

Call for Volunteers

2004 Student Impact Project

Join your fellow engineers and make a direct impact in local high schools by teaching basic structural engineering principles through the context of a model bridge design.

For more information or to obtain a sign-up form, please call Kate Stillwell at (415) 354-6434 or e-mail: kstillwell@degenkolb.com.

YOUNGER MEMBER FORUM

January 2004 Meeting

by Ali Afrasiabi, Committee Chair

The upcoming YMF Monthly meeting will be held in Palo Alto, California.

Please join us on Thursday, January 15th at 5:30 p.m. to play pool, drink beer and hang out with friends.

This will take place at Blue Chalk Café, located at 630 Ramona St., Palo Alto, CA 94301 Tel: (650) 326-1020.

If you have any questions or for more information, please contact Ali at (650) 494-1600 or aafraziabi@umerani.com.

Hope to see you there!

Thank you to the following members and firms who contributed to the SEAONC Scholarship Fund since last month:

\$50 and under
Russell Nygaard



Make a contribution this year when renewing your membership and join this prestigious list!

**GREEN BUILDING :
SUSTAINABLE DEVELOPMENT
WITH CONCRETE**
Thursday, February 12th, 2004
9:00 AM - 3:00 PM
Sir Francis Drake Hotel, Empire Ballroom
450 Powell St.
San Francisco, CA 94102

Presented by:
The
Pacific
Southwest



This one-day seminar features topics of interest to architects, engineers and public officials regarding the latest LEED developments. Cool Communities, design, construction and owning of LEED Buildings.

The program is co-sponsored by the Pacific Southwest Concrete Alliance and the California Council of the AIA.

To register call:
Concrete Promotion Council of
Northern California,
916-721-6307 or 888-633-0393

STRUCTURAL DRAFTING

Walton Bruce McMillan

Civil Engineer C022059

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\$30 per HOUR

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New Members

Member SE

Keith Abey
Project Engineer, GFDS
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Thomas Ewert
Chief Structural Engineer,
WRMS Engineering, Inc.
Mark Moore
Consulting Engineer, Rutherford
& Chekene

Member

Lorraine Lin
Project Manager, Hinman
Consulting Engineers
Justin Moreno
Design Engineer, Teter
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Gregory Totten
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Associate

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Field Engineer, Hilti
Nicholas Bucci
Designer, Degenkolb Engineers
Erik Kunkel
Staff Engineer, Hohbach-
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Michael Lajoie
Marc Percher
Engineer, Hinman Consulting
Engineers
Linda Stewart-Knight
Assistant Engineer, Peoples
Associates
Grace Yamamoto
Engineer, Arup

Student

Kelly Jee-Hyeon Kim
Graduate Student, San Francisco
State University

Posting for Membership

Member

Reynaud Serrette
Associate Professor of Civil
Engineering, Santa Clara University

Associate

Kwok-Wai Yu
Design Engineer, Gregory P. Luth
& Associates, Inc.



CALL FOR ABSTRACTS

Structural Engineers Association of California (SEAOC)

75th Anniversary Convention August 25-28, 2004

The Doubletree Hotel - Monterey, CA

Abstracts are requested for papers to be presented at the technical sessions of the 2004 SEAOC Convention. Papers may either focus on a recent project or a research and development effort. Emphasis will be on the following topics:

- New Seismic Systems and Components (ex. Energy Dissipation, SMRF, BRBF)
Next Generation Codes/Guidelines (ex. ASCE-7, ATC-58, NEHRP)
Improvements to Current Codes (ex. Gusset Plates, Orthogonal Effects, New Blue Book)
High Performance Materials/Smart Structures
Fire/Impact/Blast
Progressive Collapse
Foundations/Geotechnical
Non-Structural

Abstracts of not more than 250 words are due by March 1, 2004, and should be sent to the 2004 SEAOC Convention Technical Program Committee at the contact information provided below. Authors will be notified of abstract acceptance by April 1, 2004. Papers ready for publication in the proceedings are due by June 1, 2004. Authors will be provided with detailed guidelines regarding paper format after acceptance of the abstract. Papers not conforming to the guidelines will not be published and may not be eligible for presentation at the convention.

Constantine Shuhaibar, PhD, PE
Technical Program Committee Chair

T: (415) 986-8400
F: (415) 986-8402
E: constantine@shuhaibar.com

Monographs on Fundamentals of Seismic Protection for Bridges and Seismic Design with Supplemental Energy Dissipation Devices Available from EERI

The Earthquake Engineering Research Institute is pleased to announce that a 184-page hardcover monograph entitled Fundamentals of Seismic Protection for Bridges by Mark Yashinsky and M. J. Karshenas has just been published. It covers the basic aspects of the seismic performance of bridges during past earthquakes, current practices in the seismic analysis and design of new bridges, and retrofit strategies. Also included is an extensive glossary of terms pertaining to bridges and their elements. Its price is \$45.00 plus shipping and sales tax for California residents. EERI members will receive this monograph at no charge.

The monograph examines how bridge performance has been affected by construction, design details, proximity to different hazards, and the characteristics of surrounding soil. In exploring current practices for new bridges, it deals with how to design bridges for the variety of hazards that can occur during an earthquake. Also described are seismic demands on bridges and performance-based design; i.e., how to design and detail bridges and their elements to meet performance requirements.

Additionally, the monograph focuses on the steps that a comprehensive bridge retrofit program would require, including the prioritizing, screening, and selection processes, as well as the analysis needed to identify vulnerabilities and develop alternate retrofit strategies.

Its price to non-EERI members is \$45.00 plus shipping and sales tax for California residents (\$35.00 for EERI members). To place an order online, visit www.eeri.org/cds_publications/catalog/ and click on the Publications link under the "Categories" heading. This web site page also has information about other EERI publications and special deals. Orders can also be placed by phone at 510/451-0905 or by e-mailing eeri@eeri.org.

SEAONC BUSINESS FORUM JANUARY MEETING

Upcoming Opportunities at San Francisco PUC and the Department of Public Works

Wednesday, January 14, 2004
12:00 pm - 1:30 pm
City Club - San Francisco
155 Sansome Street
Game Room, 10th Floor

For our first meeting of 2004, we have invited two key individuals who are in charge of projects in the San Francisco Public Works arena. They will talk to us about the ongoing and future projects, and the issues and challenges involved with those.

Mr. Harlan Kelly, Assistant General Manager for Infrastructure at SFPUC will discuss the Hetch Hetchy water systems project, and the technical and political challenges surrounding this mammoth project. He will tell us about the current status of the project and the upcoming opportunities.

Mr. Robert Beck, Acting Deputy Director of Engineering at San Francisco Department of Public Works, will give us a snapshot of the ongoing projects at DPW, including some of the neighborhood projects, and will discuss future opportunities at DPW.

This is your chance to meet these key individuals and to learn about the outlook for San Francisco's public projects in 2004. We encourage you all to attend, and to spread the word to your colleagues about this meeting.

Cost: \$20 for Business Forum Members
\$30 for Non-Members

Meal Options: Chicken, Steak or Pasta

RSVP: Contact the SEAONC office at seaonc@ix.netcom.com or by phone at 415/974-5147

Registration Deadline is Monday, January 12th, at 12:00 p.m.
Space is limited so register early.



Forell/Elsesser Engineers, an award-winning structural/civil engineering firm, offers outstanding career opportunities to engineers and CAD drafters with all levels of experience who seek a dynamic, challenging and rewarding work environment (www.forell.com). Work on exciting projects and collaborate with innovative design engineers. We offer an unparalleled salary & benefits package, including employer matched 401(k), pension and incentive compensation plans. Contact: Jim Guthrie, 160 Pine St. #600, San Francisco, CA 94111; fax 415/837-0800 or jim@forell.com

Structural Engineer - Are you dynamic, competitive, creative? **Marr Shaffer & Miyamoto** is ready for you. Established over a half a century ago, MSM is one of the most respected engineering firms, with an office in Pasadena and Sacramento. Our projects range from complex high-rise structures to commercial buildings with expertise in seismic rehabilitation and state-of-the art design procedures. In earthquake engineering we design retrofits and new buildings with dampers, base isolators and fiber reinforced plastic. We are seeking project engineers, project managers, and CAD drafters. Communication skills and a commitment to be the best are essential. We offer a great working environment, a complete benefit package, and a chance to take a great life journey! Check out our website at www.msm1.com for more information. If you are ambitious and have a minimum 2+ years experience with a variety of building materials (steel, concrete, timber). Please submit your resume to: resume@msm1.com

Tipping Mar & Associates is an award winning structural engineering firm. We have an enthusiastic staff of 17 who work collaboratively. Our approach is innovative, and our projects are diverse. We are seeking a bright, creative, self-motivated individual for a challenging position as a structural engineer. Please send your resume with a cover letter to Tipping Mar & Associates, 1906 Shattuck Ave, Berkeley, CA 94704, fax to 510-549-1912, or e-mail steve@tippingmar.com

SOHA Engineers has openings:
 -Project Engineer with 4-7+ yrs exp. In structural/seismic analysis and design of buildings. CE license. Must have good technical skills, able to work fairly independently, team player with interest in working in a collaborative and technically challenging environment.
 -Project Manager/Principal Structural Engineer, 10-15+ yrs exp. SE license. Must have excellent technical, verbal and written communication skills. SOHA offers stability, diversity of projects, and career growth opportunities.
 Please send resume with cover letter to: SOHA Engineers, c/o Human Resources, 550 Kearny Street, Suite 200, San Francisco, CA 94108 or Fax 415-989-9909.

PEOPLES ASSOCIATES STRUCTURAL ENGINEERS, a growing Structural Engineering consulting company in the Bay Area, is looking for talented and energetic people to join our firm. We offer a competitive salary, excellent benefits and a team-oriented atmosphere that encourages professional growth. BS required (MS preferred). Experience is a plus. Mail resume & cover letter to 529 S. Main St., Milpitas, CA 95035. Fax: (408) 957-9221. Email: mail@pase.com.

DeSimone Consulting Engineers, a leading national structural engineering firm, has an immediate opening in our

growing San Francisco office for a bright, creative, self-motivated engineer with strong technical and management skills. The ideal candidate should have 2-5 years experience in new design and seismic rehabilitation, as well as excellent communication skills and a PE (preferred). We offer a very competitive benefits package, coupled with a fun and dynamic work environment. Fax your resume to 415/398-9834 or e-mail: rpolivka@de-simone.com.

OLMM (www.olmm.com) is an award-winning and reputable structural engineering firm with offices in Oakland and San Francisco. The success of our strategic plan and the diversity of our projects have contributed to continued strong business. We have immediate opening for a Project Structural Engineer in our Oakland office. The position requires PE or SE license and minimum 5 years of responsible experience in the analysis and design of major building structures. We offer excellent opportunity for growth, challenging projects, top compensation package, and a great place to work. Come join us and make a difference! E-mail resume to: Dr. Sunil Gupta: sunil@olmm.com or call (510) 433-0828 ext. 15.

Hohbach-Lewin, Inc. is currently hiring engineers for its Palo Alto and San Francisco offices. Current projects are predominantly in the commercial, educational and residential markets. For more info, visit our website at www.hohbach-lewin.com Successful candidates will be self-motivated, good communicators and have a strong technical background. Fax your resume to (650) 617-5930 or email dlewin@hohbach-lewin.com

Administrative Office of the Courts-Structural Engineer. Responsible for structural engineering planning & design for judicial branch facilities. Duties: develop structural standards and policies, implement periodic structural

Job Forum cont.

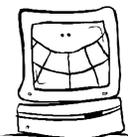
inspection program, participate in developing an emergency response program, investigate structural design concepts, and manage engineering consulting contracts. **REQUIRED** - BS + 6 yrs as a Structural Engineer preferably w/ large commercial or govt projects. To apply online, please visit us at www.courtinfo.ca.gov/jobs

Jon Brody Consulting Engineers is a small San Francisco firm with a reputation for design creativity and a high level of professional service. We work on a wide variety of project types, with a focus on the integration of structural requirements with architectural design objectives. Committed and focused engineers with strong design, analytical, interpersonal, and communications skills and a minimum of two years of design experience in California are encouraged to apply for either Project Engineer or Project Manager positions on our team. Be a key part of the growth of a highly esteemed, award winning firm. Assume a higher level of responsibility. Enjoy the atmosphere of a smaller, more flexible company. Receive a competitive salary and benefit package including paid vacation, medical and retirement plans. E-mail resume/cover letter to inquiries@jonbrody.com.

February News deadline:

Friday, Jan. 9th, 2004

Submit your articles by
e-mail to:
SEAONC@ix.netcom.com



DISPLAY ADS

Full Page	\$900/mo.
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1/2 Page	\$480/mo.
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1/4 Page	\$270/mo.
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1 sided	\$1000/mo.
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Rates are for finished camera-ready black and white ads or proofed PDF files with embedded fonts. *Full payment is required at time of insertion order.* For advertising contract, size specifications, and special rates for running an ad for multiple months, contact the SEAONC Office at by e-mail at seaonc@ix.netcom.com or phone at 415/974 -5147.

Job Forum Insertion Fees:

\$150 for up to 450
characters/spaces

\$15 for each 45
characters/spaces
thereafter

All job forum ads will
also be posted on the
SEAONC web site.

Upcoming Industry Seminars

UPDATED SEMINARS ON CONNECTIONS FOR STEEL BUILDINGS IN SEISMIC REGIONS SCHEDULED FOR CALIFORNIA

The Steel Structures Technology Center will be conducting an updated one-day seminar on **Steel Connections: seismic applications** in Buena Park on February 24 and in Fremont on March 30. The seminar will be of particular interest to structural and civil engineers, building officials, steel fabricators and erectors, testing agencies, inspectors, and others involved in steel building construction.

The seminar will focus on the design, detailing, construction and inspection of welded and bolted connections for moment frames. Discussed will be the provisions of FEMA 350, FEMA 353, and the AISC Seismic Provisions, as well as current proposals for AWS D1.8 and the AISC Connections Prequalification Review Panel standard.

In Buena Park, the seminar will be at the Holiday Inn, 7000 Beach Boulevard. In Fremont, the seminar will be held at the AmeriSuites Hotel, 3101 Warren Avenue. Each seminar will contain 6-1/2 hours of lecture and discussion, beginning at 1:00 pm and concluding at 8:30 pm. Dinner is included. Certificates awarding 0.65 CEU's or 6.5 PDH's will be provided attendees completing the course.

The seminar will be repeated in Las Vegas on May 4.

For additional information, call the SSTC at (248) 893-0132, fax (248) 893-0134, or visit www.steelstructures.com.

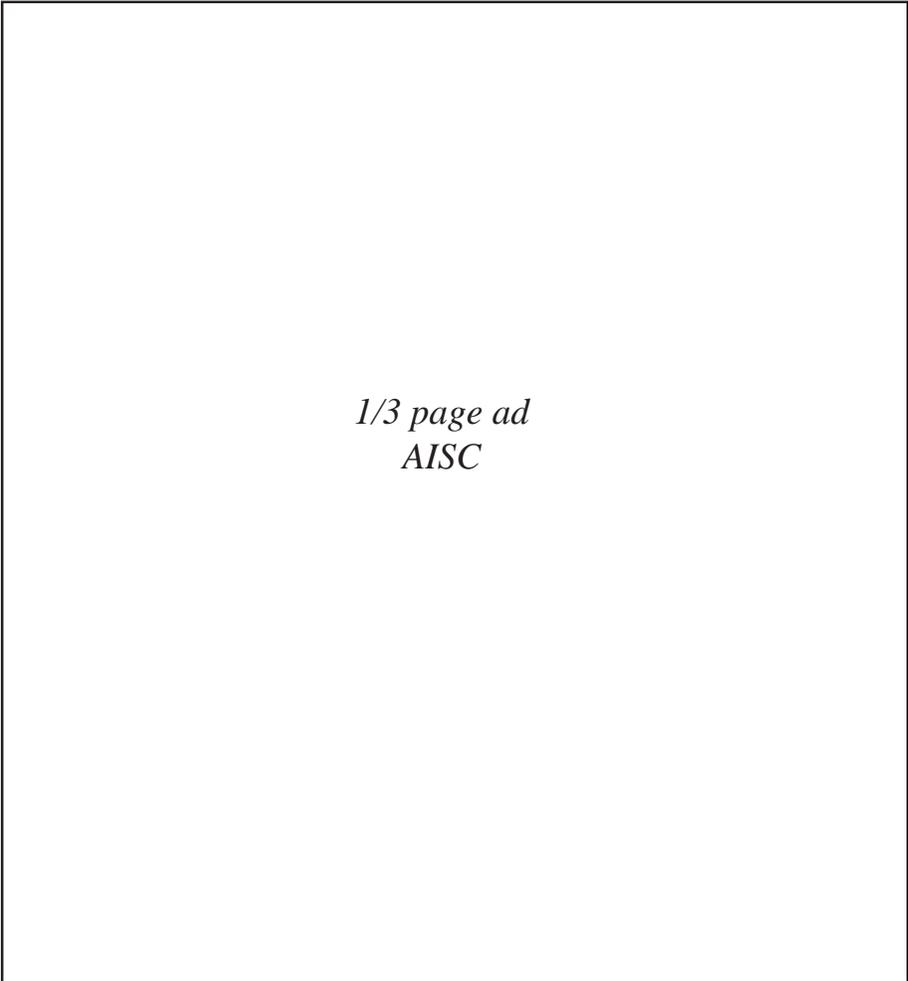


Rebuilding Together (formerly Christmas in April) is a nationwide, non-profit organization that coordinates volunteers and sponsorship in an effort to improve buildings in the community. This year, the SEAONC team are expanding our efforts to Rebuilding Together’s “Institutional” category, which includes projects such as homeless shelters, battered women’s shelters, and under-funded schools. For the past thirteen years, SEAONC has earned its status with Rebuilding Together as one of their most valuable teams on residential projects. This year, we hope to once again gather such support from within, to help the community on a grander scale.

As project sponsors, we are required to provide the funds for the work that is done on Rebuilding Together Weekend. In order to sponsor a facilities project we must raise \$7000 entirely from member donations. This is a significant increase over the \$4500 that was required for our previous sponsorship of residential projects. In addition to official sponsorship, SEAONC has traditionally provided all the volunteers for our sponsored project each year – this is not a requirement of sponsorship and is rare – a fact that shows our heart and our dedication.

In the next four months, we need to raise funds and gather volunteers. Please send volunteer information and/or your tax-deductible donation, payable to Rebuilding Together, to the address below. You will receive a receipt for your donation. For more information about Rebuilding Together, visit www.rebuildingtogethersf.org or contact Joyce Feng.

Rebuilding Together
c/o Joyce Feng
Degenkolb Engineers
300 Frank H. Ogawa Plaza
Suite 450
Oakland, California 94612
510 / 272-9040, extension 222
jfeng@degenkolb.com



*Ad for
Computers and Structures*

upcoming events

JAN

6 San Francisco Dinner Meeting
City Club, San Francisco

14 Business Forum Luncheon
City Club, San Francisco

15 YMF Monthly Meeting
Blue Chalk Cafe, Palo Alto

FEB

3 San Francisco Dinner Meeting
City Club, San Francisco

10 South Bay Dinner Meeting
Michael's at Shoreline, Mountain View

Registration

**Structural Engineers Association of Northern California
January 6th SEAONC DINNER PROGRAM, San Francisco, City Club**

5:45 pm
General Assembly

6:30 pm
Dinner

7:30 pm
Program

Location:
City Club, San Francisco
155 Sansome Street
10th Floor

BART:
Montgomery St. Station,
exit on Sansome Street

If no label is shown above, or for guests, please fill in the form below.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

RSVP by Fax: 415/ 764-4915, e-mail: seaonc@ix.netcom.com, Phone: 415/974-5147

Deadline for pre-registration: 12 noon, Tuesday, December 30th, 2004

Make check payable to SEAONC and bring with you to the door.

Register early! Dinner and program reservations are limited. No cancellations after 12 noon, Tuesday, December 30th, 2004. No-shows will be invoiced. Tickets not claimed by 6:45 p.m. on the night of the event are subject to being sold. Note: Individuals with outstanding monthly meeting balances are required to pay in advance for a meeting reservation and pay all outstanding monthly meeting invoices.

COST:	PRE-REGISTERED	LATE REGISTERED (After Deadline)
SEAONC Member	<input type="checkbox"/> \$34	<input type="checkbox"/> \$39
Junior Mbr (29 and under)	<input type="checkbox"/> \$28	<input type="checkbox"/> \$33
Non-Member	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15