

PROJECTS

Chicago Hotel to Feature City's First Staggered Truss



Staybridge Suites recently broke ground on its first downtown Chicago hotel, which will feature the city's first staggered truss structural system.

Shown in the rendering at left, the hotel, designed by architectural firm Valerio Dewalt Train Associates, is being developed as a joint venture of Dellisart Lodging, LLC, Atlanta, and Miglin Properties, LLC, Chicago. The \$52 million, 18-story luxury hotel will include studio, one-bedroom, and two-bedroom suites—209 in all. It is scheduled to open mid-2008.

Once steel erection for the project begins, we plan to broadcast images of the construction progress, via webcam, at modernsteel.com. We'll include more information in an upcoming News & Events section.

EVENTS

Getting Excited About The Steel Conference

During the past two months, we've received a lot of feedback from designers, detailers, fabricators, and erectors about NASCC: The Steel Conference. Some of them have attended the show in the past and some haven't—but most said they were excited to hear about the show and are interested in attending this year in New Orleans, April 18–21 (visit www.aisc.org/nascc for more information). Here are some of the things that have your peers excited:

The technical sessions. This year's conference offers such sessions as "Incorporating BIM and Interoperability into Your Business," "Resisting Blast Effects and Progressive Collapse in Steel Structures," and "Joist Evaluation and Modification." With more than 60 sessions, the biggest problem is picking which sessions to attend.

The exhibit hall. In addition to the practical information on bolting, welding, joists, deck, coatings, and design software, it's also a great chance to have some fun and check out the latest fabrication equipment. If you don't regularly get a chance to visit cutting-edge fabrication shops, it's fascinating to wander over to the heavy machinery area and check out the operating beam lines from such vendors as Peddinghaus, Ficep, Ocean Machinery,

Voortman, Controlled Automation, Behringer Saws, Daito, Cleveland Punch, Mazak, and Comeq.

The keynote addresses. There's a lot going on lately on the producer side. This year's keynote offers the unique



perspective of the three major domestic shape producers on the state of the industry, and offers the design community the opportunity to ask any questions they want. The featured speakers are Keith Busse from Steel Dynamics Inc., Tommy Valenta from Chaparral Steel, and John Ferriola from Nucor Corp. The Thursday keynote features Cliff Atkinson, one of the world's foremost experts on presentations. Cliff will provide simple yet powerful advice that promises to transform your next PowerPoint presentation from hum-drum to an effective communication and sales tool. Finally, the Friday keynote address features one of the steel industry's most eloquent speakers: R. Shankar Nair (who happens to be the recipient of this year's T.R. Higgins Lectureship Award).

The short courses. The Wednesday short courses offer you the alternative of learning about the design of steel plate shear walls or façade attachments or building information modeling. Good luck picking just one! And on Saturday, AISC reprises its most popular seminar of all time: "Designing Steel Your Way with the 2005 AISC Specification." And if you've already attended this amazing session, check out the Saturday short course "Structural Steel Estimating & Proposal Preparation."

Seeing New Orleans. There's a tremendous curiosity about how New Orleans is faring a year-and-a-half after Katrina. The truth of the matter is that the tourist areas are widely unaffected. But a large swath of residential real estate looks like Katrina hit yesterday. The juxtaposition is at once intriguing and maddening. The only way to truly appreciate the situation in New Orleans is to see it for yourself.

Networking. This is a great chance to talk with designers, the people who sell steel (mills and service centers), and the people who fabricate, detail, and erect steel.

For more information on The Steel Conference, or to register, please visit www.aisc.org/nascc. And if you have other questions, please contact Scott Melnick at melnick@aisc.org.

CAREER OPPORTUNITY

Nominations Now Being Accepted for the 2007 AISC Steel Sabbatical

Do you know someone who can explain—in clear and concise terms—why it's called lateral-torsional buckling? When burrs need (and don't need) to be removed in bolted connections? And what constitutes a lateral brace for a beam? Or are you the person other engineers go to for explanations and advice?

If you enjoy sharing your expertise and experience—or know someone who

does—now is the time to be nominated for the 2007 AISC Steel Sabbatical.

In addition to sharing knowledge and expertise in daily exchanges with engineers, fabricators, and others involved in the design and construction of steel buildings, the selected candidate will also: help AISC develop the next AISC *Specification and Steel Construction Manual*; meet hundreds of engineers and construction spe-

cialists involved with AISC's committees; and build knowledge—all while contributing to the profession.

This paid position will be structured to suit the specific situation of the selected candidate.

If this opportunity sounds exciting, please call Charlie Carter, AISC's chief structural engineer, at 312.670.5414, or e-mail him at carter@aisc.org.

SURVEY

Fabricator/Service Center Survey Prizes

In January AISC Marketing sent out a survey to steel fabricators and service centers in an effort to develop an improved model of how structural steel is utilized in the U.S. The responses came pouring in. As

a thank-you to those who participated, AISC gave away six iPods in a random drawing. The winners are:

- Forrest Brewton, HMB Steel Corp.
- Donald Charbonneau, Promoco Manufacturing Company
- Jerry Connell, Marbury Steel Fabricators, Inc.

- Dennis Kaiser, Professional Metal Works, LLC
- Gerald Renz, Zalk Josephs Fabricators, LLC
- Mike Hill, PDM Steel Service Centers, Inc.

If you have any questions about the results of this survey, you can contact John Cross, vice president of marketing, at cross@aisc.org.



Marketing coordinator Kelly Butler draws the winners.

Correction

In the story "Starting Over" (December 2006), Bovis Lend Lease, New York, should be included as the construction manager for New York City's new Office of Emergency Management headquarters. We apologize for any confusion caused by the omission.

EVENTS

ASCE 2007 Structures Congress

The 2007 Structures Congress, presented by the Structural Engineering Institute of the American Society of Civil Engineers, will take place May 16–19 in Long Beach, Calif.

Varied sessions are planned for the 2007 Structures Congress, targeted toward getting information to the practicing engineer. These sessions are included in multiple tracks:

- four tracks covering practical design in the following topic areas: buildings, bridges, existing structures, and non-structural/non-building structures
- one track of presentations on new codes and standards
- one track on business practices
- two tracks on research frontiers
- one track containing the 2007 Forensic Engineering Symposium

Glenn R. Bell, P.E., CEO of Simpson Gumpertz & Heger, Inc. is the plenary speaker and will be presenting on "Engineering-Driven Architecture."

For more information on the 2007 Structures Congress, visit <http://content.asce.org/conferences/structures2007>.

Footbridge 2008

Following the success of the two first International Footbridge Conferences—2002 in Paris and 2005 in Venice—the faculty of engineering of the University of Porto (Portugal), in association with the Technical Advisory Bureau for Steel Users, are pleased to announce the Third International Conference Footbridge 2008, which will be held in Porto,

Portugal, July 2–4, 2008.

Under the theme "Footbridges for Urban Renewal," Footbridge 2008 intends to bring together urban and landscape planners, designers, civil engineers, architects, researchers, contractors, and operators, providing the opportunity to review and discuss the various topics associated with the development, design, analysis, construction, and maintenance of footbridges. For more information visit www.footbridge2008.com.

WTC Performance Study Lecture

The latest installment in the Spring 2007 Khan Lecture Series will be presented by W. Gene Corley, Senior Vice President, CTLGroup, Inc., Skokie, Ill., on April 20 at Sinclair Lab Auditorium, Lehigh University, Bethlehem, Pa. The Khan Lecture Series honors Fazlur Rahman Khan, Ph.D., known for his progressive ideas on efficient high-rise construction in the 1960s and 1970s.

Corley's presentation, "Learning from the Attacks on an American Icon—World Trade Center Building Performance Study," will describe the results of an ASCE/SEI and FEMA study performed by 23 structural and fire protection engineers, following the attacks on and collapse of the World Trade Center towers. The study attempted to answer such questions as how the towers were able to withstand the enormous impact of a 767 without collapsing, and whether anything could have been done to make the buildings survive longer in the fires that followed. Contact Leslie J. Ladick at 610.758.6123 or ljl2@lehigh.edu for more information.

ENGINEERING JOURNAL

Call for *Engineering Journal* Papers



AISC is always looking for *Engineering Journal* articles on interesting topics pertinent to steel design, research, steel fabrication methods, or new products of significance to the uses of steel in construction. We are especially seeking technical articles with practical applications in the steel industry. If you have a new idea or an improvement on an old idea, please submit a paper to AISC for publication in the *Engineering Journal*. Detailed information on our review process and requirements for submittals can be found on the inside back cover of each *Engineering Journal* issue or online at www.aisc.org/ej. Please send your paper in duplicate to *Engineering Journal*, Cynthia Duncan, Editor, AISC, One East Wacker Dr., Suite 700, Chicago, IL 60601.

RESOURCES

More than 80 Years of AISC Specifications Available Electronically

Free access to all versions of the AISC *Specification for Structural Steel Buildings* that were introduced from 1923 to 2005 is now available to AISC members through AISC's ePubs at www.aisc.org/epubs.

"Some of the old publications in the AISC library are showing their age, and it was time to archive these important pieces of steel design and fabrication history. This will be a priceless resource for structural engineers and fabricators involved in repair and retrofit of old buildings, and will also complement AISC *Design Guide 15*, the rehabilitation and retrofit guide," says Cynthia Duncan, Director of Specifications.

The complete compendium is also available on CD-ROM at a cost of \$40 for members and \$80 for non-members. The CD includes an index that lists the specifications in chronological order, listing those based on allowable stress design provisions separate from those based on load and resistance factor design provisions.

The expanded index lists the date of approval, complete title of the specification, which version of the AISC manual the specification was printed in, if any, and other notes of interest. For example, AISC's first American Standard (precursor to ANSI) was published in 1952 as ASA A57.1-1952, a reprint of the June 1949 AISC specification.

"The real value in the CD-ROM for the engineer is that it permits all versions of the specifications to be electronically searched at the same time" says Louis Geschwindner, vice president of engineering and research. "With the renewed emphasis on restoration and rehabilitation of existing structures, engineers will now have direct electronic access to whatever AISC standard a building was designed to meet."

To purchase a copy of the CD, please visit www.aisc.org/bookstore. Or, to join AISC and download the information at no charge, visit www.aisc.org/membership.



Don't Forget Industrial Construction

I'm writing in regards to your January editor's note concerning the need for the industry to start going the way of BIM. It was a well-written piece with one exception:

You mentioned a sample of engineers, detailers, and fabricators that use BIM, plugging names like Mark Holland; but what about Pete Carrato from Bechtel Corporation? Bechtel is largest EPC firm in the world, and Pete is one of the most ardent advocates of BIM—and not a mention? Nothing? I guess the industrial world just can't get any respect from the commercial guys.

Robert P. Krumpen III, P.E.
Bechtel Power

Fireproofing Union Pacific's HQ

Following the publication of "Staying on Track" (February 2007), an attentive reader inquired about the method used to fireproof the exposed steel X-braces of the new Union Pacific headquarters. As with typical office building construction of this scale, the structural frame members were required to be three-hour rated. The structural frame included the columns, braces, and other members directly connected to the columns. To accommodate the three-hour rating, the braces were spray-on fireproofed, then wrapped with gypsum board.



The secondary members, including the floor slab and the floor beams, were required to be two-hour rated. In order to accommodate the fire rating, a 3½-in. lightweight slab over a 2-in. composite metal deck was used for the slab, which meets the requirements of the UL D916 assemblage and does not require the metal deck to be fireproofed. Floor beams were spray-on fireproofed.

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Do you have an opinion? We'd like to hear from you! Send your comments to Scott Melnick, Editor, at melnick@modernsteel.com.