

STANDARDS

Steel Joist Institute Standards Open for Review

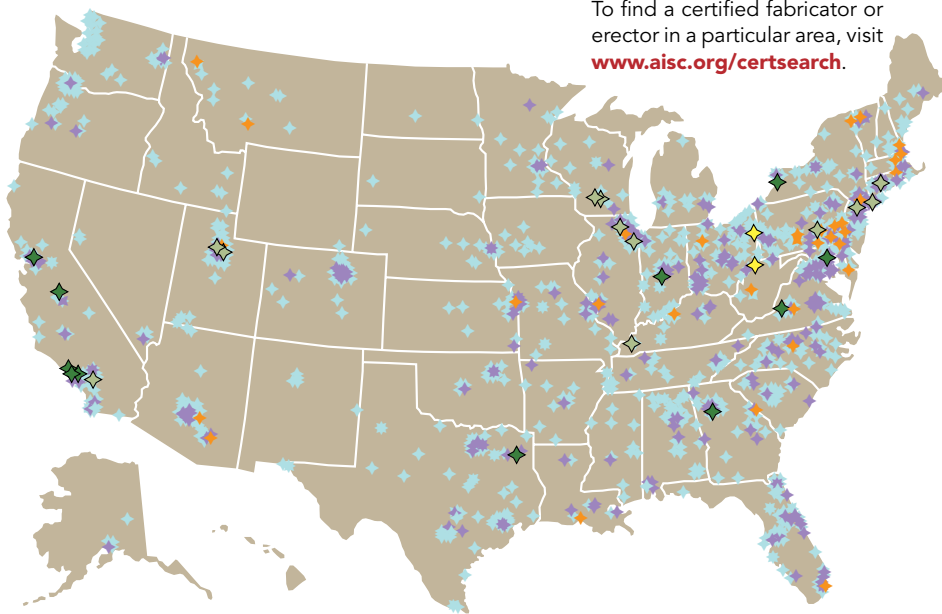
The 2010 drafts of several of the Steel Joist Institute's standards are available for public review until August 15, 2010. The documents are:

- *Standard Specification for Open Web Steel Joists, K-Series and Load Tables*
- *Standard Specification for Longspan Steel Joists, LH-Series and Deep Longspan Steel Joists, DLH-Series and Load Tables*
- *Standard Specification for Joist Girders*
- *Code of Standard Practice for Steel Joists and Joist Girders*
- *Standard Specification of Composite Steel Joists C7-Series*

- *Code of Standard Practice for Composite Steel Joists*

These specifications are available for download on the SJI website at www.steeljoist.org/ansi2010 along with the review forms. Please submit comments using the forms provided online to Robert R. Hackworth, SJI's managing director, at rhackworth@steeljoist.org by August 15, 2010, for consideration. Copies also are available on CD for \$25 by calling 434.525.7377. For more information, visit www.steeljoist.org.

Newly Certified Facilities: June 1–30, 2010



To find a certified fabricator or erector in a particular area, visit www.aisc.org/certsearch.

- Existing Certified Fabricator Facilities
- Existing Certified Erector Facilities
- Existing Certified Bridge Component Facilities

- Newly Certified Fabricator Facilities
- Newly Certified Erector Facilities
- Newly Certified Bridge Component Facilities

Newly Certified Fabricator Facilities

- Bolling Steel Co., Salem, Va.
- Century Steel Fabricating Inc., Camby, Ind.
- Cherokee Steel Fabricators, Inc., White Oak, Texas
- Clark Machine Corp., Baltimore, Md.
- Community Steel Corporation, Buffalo, N.Y.
- Hales Engineering Co., Inc., Camarillo, Calif.
- J & D Fabrication & Repair, Inc., Santa Maria, Calif.
- Midsouth Steel, Inc., Fairburn, Ga.
- Pacific Metal Fabricators, Inc., Oakland, Calif.
- Red's Iron Specialties, Saugus, Calif.
- Steelcon, Inc., Fresno, Calif.

Newly Certified Erector Facilities

- Western Steel Erector's, Inc., Salt Lake City, Utah
- Quinco Steel, Inc., Chicago Heights, Ill.
- Regal Steel Erectors, LLC, Elgin, Ill.
- Portola Constructors, Inc., Ranch Cucamonga, Calif.
- MP Associates, Inc., Sandy, Utah
- Kraemer Brothers, LLC, Plain, Wis.
- Kiewit Infrastructure Co., Woodcliff Lake, N.J.
- Jordan Contracting, LLC, New Bloomfield, Pa.
- JC Steel Corp., Bohemia, N.Y.
- J.H. Findorff & Son, Inc., Madison, Wis.
- Action Steel, LLC, Hartford, Conn.
- A & K Construction, Inc., Paducah, Ky.

Newly Certified Bridge Component Facilities

- Precision, LLC, Sistersville, W.Va.
- Precision, LLC (Ohio), Austintown, Ohio

People and Firms

- The architectural, engineering and management services company **Middough Inc.** (www.middough.com) has relocated its southeast regional office to the Cumberland area in northwest Atlanta to accommodate the company's growth. Its new office is at 180 Interstate North Parkway, Ste. 500, in Atlanta.
- **William Pedersen**, of Kohn Pedersen Fox Associates, and **Ysrael A. Seinuk, P.E.**, of Ysrael A. Seinuk, P.C., have been selected to receive lifetime achievement awards by the Council on Tall Buildings and Urban Habitat (www.ctbuh.org). The portfolios of both include many seminal, iconic skyscrapers. Pederson will receive the Lynn S. Beedle Lifetime Achievement Award and Seinuk will receive the Fazlur Khan Lifetime Achievement Medal at the CTBUH 9th Annual Awards Dinner & Ceremony. It is scheduled for October 21, 2010, in Mies van der Rohe's iconic Crown Hall on the campus of the Illinois Institute of Technology, Chicago.
- **Ashraf Habibullah**, president and CEO of Computers & Structures Inc. (CSI), has received the H.J. Brunnier Lifetime Achievement Award from the Structural Engineers Association of Northern California. The citation notes, in part, "Habibullah has changed the practice of structural engineering for the better with his development of efficient and usable structural analysis programs."



• **David L. Jeakle, P.E.**, has joined the specialty bridge engineering firm Infinity Engineering Group Ltd., North Vancouver, British Columbia, Canada, as principal. He has nearly 20 years of long-span bridge engineering

experience with URS Corporation and is the EOR for several cable stayed, segmental, composite steel bridges and high level interchanges.



• **R. John Aniol, P.E., S.E.**, has joined Thornton Tomasetti as vice president in its Dallas office. Formerly with Walter P Moore, Aniol brings more than 23 years experience in structural engineering

and project management for buildings totaling more than 23.8 million sq. ft.

IN MEMORIAM

Kurt D. Gustafson, Director of Technical Assistance



Kurt Gustafson, S.E., P.E., died suddenly on June 19, 2010, at the age of 68. He served as AISC's director of technical assistance since 2004, overseeing the response to more than 200 questions a week from engineers, architects, owners, and others with regard to the design and construction of structural steel buildings.

A graduate of the University of Illinois, Gustafson began his career in the engineering department of American Bridge Company in Chicago. As a young engineer he was involved in the fabrication and construction of the John Hancock Center, Standard Oil Building (now Aon Center), and Sears Tower (now Willis Tower), each of which became the city's tallest structure upon its completion.

In the early 1970s, Gustafson joined the architectural engineering firm of John Portman & Associates in Atlanta, which at the time was developing major urban complexes and revolutionizing the hotel industry with the inclusion of large open atriums. Several years later he returned to Chicago to work for the well-known architectural engineering firm, Skidmore Owings and Merrill.

In 1979, Gustafson joined with George Wright, under whom he had previously worked at American Bridge, and Michael Tylk, a classmate from the University of Illinois, to form Tylk, Wright and Gustafson. He ran the company's newly acquired Clearwater, Fla., office and while there provided structural engineering for many projects, including the Altamira Terrace Housing Complex in Highland Park, Fla.

In 1992 he again returned to Chicago and subsequently worked on renovations to the Fermi National Accelerator Laboratory Building in Batavia, Ill., and designed two warehouse buildings for doc-

ument storage giant Iron Mountain.

"Kurt was a very thorough and very knowledgeable engineer," said Michael Tylk. "He also was a great mentor for our younger engineers."

In 2000, he and Tylk along with three new principals formed Tylk Gustafson Reckers Wilson Andrews. In the days following the September 11, 2001, terrorist attacks on the World Trade Center, Gustafson was one of several Chicago structural engineers who drove to New York to volunteer in assisting in structural assessment of nearby buildings.

One of the TGRWA projects Gustafson worked on was the \$106-million renovation and rehabilitation of Chicago's historic Carbide and Carbon Building, now the Hard Rock Hotel. He retired from the firm in 2004.

"We had been looking for someone with a substantial amount of experience to lead the AISC Steel Solutions Center technical assistance efforts," said AISC vice president and chief structural engineer Charles Carter, "and Dave Ruby suggested that we consider Kurt." Ruby, who in 1984 established his own firm specializing in the construction aspects of structural engineering, had worked with Gustafson at American Bridge. Later, while at Portman, Ruby also had hired him to come to Atlanta.

"Kurt was just what AISC was looking for," said Ruby. "As a structural engineer, he had a very strong control of basics. He also communicated well and enjoyed mentoring younger engineers, watching them develop. He was unobtrusive, and for him, there was no such thing as a stupid question."

Gustafson joined the AISC Steel Solutions Center in August 2004 as its director of technical assistance. "He walked into that role and redefined it," said Carter. "When Kurt joined the AISC staff he immediately became a key resource to colleagues, committees,

and engineers in industry. Always unassuming, there was little Kurt had not seen before, and this made him uniquely suited as people sought and benefited from his help."

One aspect of his work that clearly crossed over into his life outside the office was the gingerbread village he created each year with his wife, Janet. The tradition began when the couple moved to Atlanta and has continued ever since. "There seemed to be no idea Kurt could not bring to life with motors, wheels, belts, and a mass of electrical wiring that lay hidden below the display," said Carter. A description and photos of one of their steel-themed annual displays appeared in the August 2007 issue of *Modern Steel Construction*.

A long-time resident of Flossmoor, Ill., Gustafson was registered as a Structural Engineer and Professional Engineer in several states. In 2008 he became a Fellow of the American Society of Civil Engineers. He is survived by his wife of 44 years, Janet; son, Keith; daughter, Laura; brother, Ken; and five grandchildren.



One of the things Kurt clearly enjoyed was helping people understand the world of structural engineering. At the AISC SteelDay event held last September in Chicago, he spent the afternoon talking with visitors about the engineering behind many of his projects, which include some of the city's best-known buildings.

MANUFACTURING

NAAMM Issues Warning on Chinese Metal Bar Grating

The National Association of Architectural Metal Manufacturers (NAAMM) is advising manufacturers, fabricators, specifiers, and end-users of metal bar grating that there is reason to believe some Chinese steel used in grating does not meet the ANSI/NAAMM standards for such products. This advisory is based on the U.S. Department of Commerce International Trade Administration's "Certain Steel Grating from the People's Republic of China: Final Determination of Sales at Less than Fair Value" and the accompanying "Certain Steel Grating from the People's Republic of China: Issues and Decision Memorandum for the Final Determination," both dated May 28, 2010.

The Commerce Department's "Issues and Decision Memorandum for the Final

Determination" states: based on the mandatory respondent's "own admission and the statement of its suppliers," its "supporting documents defining its consumption of steel inputs (i.e., hot-rolled steel strip and wire rod) for the merchandise under consideration, clearly contain false information." Further the memorandum states, "When comparing the suppliers' mill test certificates from our (U.S. Commerce Department) verification exhibits to mill test certificates we obtained from U.S. Customs and Border Patrol, we found material mismatches."

Further, in the Commerce Department's "Certain Steel Grating from the People's Republic of China: Final Determination of Sales at Less than Fair Value," it states the mandatory respondent

"creates its own mill test certificates that it admits are unreliable, and that it has no ability to determine with its own analysis the chemical properties of any steel that it purchases." Interested parties to read the Commerce Department documents to which are both available online.

To read the Issues and Decision Memorandum, visit <http://bit.ly/dnauRf>. To read the Sales at Less than Fair Value document, visit <http://bit.ly/bRbRIp>.

NAAMM issued this notice to interested parties wishing to purchase or specify grating manufactured to NAAMM standards, to make them aware that when selecting grating, they should take appropriate measures to verify the grating is manufactured to NAAMM standards.

AWARDS

"Subconscious Suspension" Wins Steel Design Competition

Winners have been announced in the tenth annual steel design student competition for the 2009-2010 academic year. Sponsored by AISC and administered by the Association of Collegiate Schools of Architecture (ACSA), the program challenges students, working individually or in teams, to explore a variety of design issues related to the use of steel in design and construction.

This year's Category I competition, entitled the Re-Ligare Institute, challenged architecture students to create a space to step back and become reconnected

with themselves, others, and nature. The building design was to provide a necessary retreat from real-world diseases, promote healing, and foster a reconnection at the individual and collective levels. To read the design requirements on the ACSA website, go to <http://bit.ly/bU8SXo>.

Will Allport, Nick Barrett and Jason Butz from Clemson University, won first place for designing "Subconscious Suspension." Their faculty sponsor was Daniel Nevin.

Category II competition was the open submission design option and permitted

the greatest amount of flexibility. Top honors in this category went to Daniel Cesarz, of the University of Wisconsin-Milwaukee, for his "Carapace: Enclosing UMW's School of Freshwater Science." His faculty sponsors were Gil Snyder and James G Dicker. A list of all the winners is available at www.acsa-arch.org.

The 2009-10 ACSA/AISC Steel Design Competition book will be published early fall 2010 and will be available online through the ACSA Publications Store at <http://bit.ly/dveson>.

Have the Rules Changed?

Crystals at CityCenter, Las Vegas was a Merit Award winner in the 2010 IDEAS² Awards program described in the May 2010 Modern Steel Construction (page 48). I started reading the description of the roof system and found that those were the things we were taught not to do. Why would a structure be considered worthy of award if each of the 19 roof pieces was, as the article says, “erected with numerous lean-

ing columns, curving trusses and straight members that do not line up with any other piece of steel”? Is the award for being the most complex structure, or most expensive structure?

Jayant Sheth, P.E., Austin, Texas

Scott Melnick replies: The AISC IDEAS² Awards program honors projects and designers who have gone beyond the typical everyday conditions and have solved a

special or unique architectural or engineering issue. While there is a special beauty in an extremely efficient design, there is something breathtaking about a truly unique one. In addition, the judges take into account the accomplishment of the designers in meeting the owner’s program for a structure—an accomplishment readily met by the project team for Crystals at CityCenter.

EVENTS

SteelDay Goes North

AISC has named the Canadian Institute of Steel Construction (CISC) an International SteelDay Partner. Scheduled this year for September 24, SteelDay has become a worldwide event that encourages architects, engineers, contractors, and specifiers to learn about steel design and construction by visiting steel facilities for free educational programs and networking activities. To read more about this partnership on the AISC website, go to <http://bit.ly/cgTuNG>.

More than two dozen Canadian SteelDay events already are planned, including facilities in every province. Visit www.steelday.ca to learn about events and how to sign up to host or attend one.