

SPECIFICATIONS

New AISC Ad Hoc Committee Formed

A new ad hoc committee has been created by the American Institute of Steel Construction under the Committee on Specifications to study and evaluate the design, fabrication, and construction of steel industrial buildings and non-building structures. The committee, chaired by John Rolfe of Computerized Structural Design, Milwaukee, includes representatives from design firms, contractors and fabricators that have significant experience in the design and construction of these types of structures,

as well as members from the Association for Iron and Steel Technology (AIST) Mill Buildings Committee. The AIST committee is responsible for the production of the AIST (formerly AISE) Technical Report No. 13, *Guide for the Design and Construction of Mill Buildings*. Due to their similar interests and goals, the AIST committee wanted to merge their efforts with AISC on this new endeavor.

The new committee had its first meeting in June in Chicago, with a second

meeting in November. The committee will work with existing standards developing bodies, such as ASCE 7 and AISC task committees to clarify these issues. The committee is working to establish a list of top priority topics regarding industrial buildings and nonbuilding structures that need to be addressed. Input from designers, fabricators and constructors is necessary and essential. Please send your ideas to Cynthia Duncan, Director of Specifications, at duncan@aisc.org.

PUBLICATIONS

Steel Deck Manual Updated

The Steel Deck Institute (SDI) recently issued the second edition of the *SDI Manual of Construction with Steel Deck*. The publication is intended to serve as a guide for the proper field installation and erection of steel deck. The manual, intended for contractors, erectors, architects, engineers, and inspectors, also covers safety and quality on the job. Visit their website at www.sdi.org for more information.

Updated Steel Joist Erection Guide Available

The Steel Joist Institute has released the updated Technical Digest No. 9, *Handling and Erection of Steel Joists and Joist Girders* containing 23 new pages of additional information about the handling and erecting of steel joists.

The 90-page digest also includes a step-by-step guide for the proper loading, shipping, receiving, unloading and storing of joists. Expanded chapters detail about field inspection, panelized erection, and a new chapter on proper bridging, which safely braces the joists against unanticipated horizontal movement during erection or when placing construction loads—a matter addressed by the latest OSHA standards.

The Steel Joist Institute is a nonprofit organization that sets industry standards regarding steel joists, and works closely with major building code regulation bodies around the country. To order a copy of Technical Digest No. 9, visit www.steel-joist.org.

OSHA Publishes First-Aid Guide

This spring, OSHA issued a new guide for employers and employees in the workplace. The publication, *Best Practices Guide: Fundamentals of a Workplace First-Aid Program*, identifies four key elements for workplace first-aid programs to be successful—management leadership and employee involvement, worksite analysis, hazard prevention, and safety and health training.

The guide urges employers to install programs that include sufficient and readily available first aid supplies, make sure first-aid providers receive proper training, and complies with OSHA first-aid requirements. The guide also includes information on available general training courses.

For more information, and to download the guide, visit www.osha.gov/Publications/OSHA3317first-aid.pdf.

UNIVERSITY RELATIONS

Seismic Teaching Aid Available at NASCC 2007

A new steel teaching aid will be introduced to educators at the North American Steel Construction Conference in April, 2007. The aid, "Teaching the Principles of Seismic-Resistant Design of Steel Buildings," will be presented to educators in two sessions on April 17 and 18, 2007 in New Orleans, La.

The aid will be presented to educators in two sessions and will cover six modules, including moment resisting frames, eccentrically braced frames, buckling restrained braced frames, and steel plate shear walls. A travel stipend will be available to qualified educators.

Please register for the educator sessions by contacting either Shanna Quinn at 312.670.5418, quinn@aisc.org; or Fromy Rosenberg at 312.670.5408, rosenberg@aisc.org. More information about NASCC: The Steel Conference can be found online at www.aisc.org/nascc.

Correction

In the article "A Sure Bet" (October 2006), we inadvertently omitted the project architect, JCJ Architecture of Hartford, Conn., from the list at the end of the article. We apologize for the omission.

AWARDS

R. Shankar Nair Wins 2007 T.R. Higgins Award

The recipient of the prestigious 2007 T.R. Higgins Lectureship Award is R. Shankar Nair, a principal and senior vice president with Teng and Associates, Inc. in Chicago. Nair is being honored for his paper on “Stability and Analysis Provisions of the 2005 AISC Specification for Steel Buildings.”

The Higgins Award is presented annually by the American Institute of Steel Construction, Inc. and recognizes an outstanding lecturer and author whose technical paper(s) are considered an outstanding contribution to the engineering literature on fabricated structural steel. The award, which includes a \$10,000 prize, will be presented at the

2007 NASCC: The Steel Conference in New Orleans, April 18-21.

Recent recipients include Ronald O. Hamburger of Simpson Gumpertz and Heger, Jerome F. Hajjar and Robert J. Dexter of the University of Minnesota, and Lawrence A. Kloiber of LeJeune Steel Co.

“[Shankar Nair’s] paper brings to the structural engineering community a clear and concise presentation of the options available for dealing with stability and second order analysis as found in the 2005 AISC *Specification for Structural Steel Buildings*,” explained Louis F. Geschwindner, vice president of engineering and research at AISC. “It highlights the relationship between the two simplified methods available in the body of the *Specification* and the detailed Direct Analysis Method presented in the *Specification* Appendix. The paper shows the logical progression of methods from the one applicable to the most general structure to those that are applicable to the more typical building structures and provides an introduction to these approaches.”

Nair joined Teng and Associates in 1995 after serving as a principal with other architecture and engineering design firms in Chicago and Baltimore. He received his Ph.D. from the University of Illinois at Urbana-Champaign in 1969 and is licensed to practice engineering in 40 states.



In a career that has focused on structural engineering for large architectural and civil engineering projects, Nair has designed many major bridges, including structures for Interstate highways over the Mississippi River, and the structural systems of many skyscrapers. The quality of engineering in this work has been recognized by numerous awards, including four American Institute of Steel Construction “Prize Bridge” awards and six of the Structural Engineers Association of Illinois’ annual “Most Innovative Structure” awards.

His building projects include the Harborside Hyatt Conference Center and Hotel in Boston, an early example of low floor-to-floor height steel construction and 900 North Michigan in Chicago, where the lower 30 levels are framed in steel and the upper 40 levels in concrete. His bridge designs included the longest tied arch in the world and the longest-span steel stringer structure in America. Active as a researcher and lecturer, Nair has published numerous technical papers and has held positions of leadership in many professional societies and committees, including the chairmanship of the Council on Tall Buildings and Urban Habitat. He is a member of the AISC Committee on Specifications, the National Academy of Engineering, and the Chicago Committee on High-Rise Buildings. He has previously received the AISC Lifetime Achievement Award, the ASCE George Winter Award, and the SEA01 John F. Parmer Award.

“Shankar is a great choice for this award,” added Scott Melnick, editor of *Modern Steel Construction* magazine. “His brilliant writing and speaking is widely applauded not just by those in the design and construction industry but also by a wider audience through his frequent commentary pieces in such publications as the *Chicago Tribune*.” To view a few recent samples of his writing, visit www.aisc.org/selectednair_msc

EVENTS

World Steel Bridge Symposium Slated

The National Steel Bridge Alliance (NSBA) has announced the dates for the World Steel Bridge 2007 symposium. The event will take place December 4-7, 2007, and will be held at the Sheraton New Orleans Hotel in New Orleans, La.

For exhibit and sponsorship information, contact Jody Lovness at 402.758.9099 or lovness@nsbaweb.org. Updates regarding workshop programming and exhibits can be found on the NSBA website at www.steelbridges.org. For general information, contact Elizabeth Purdy at 312.670.5421 or purdy@aisc.org.

IN MEMORIAM

Jack Janney, founder of Wiss, Janney, Elstner Associates

As an innovator in the understanding of structural behavior and a recognized leader in the investigation of structural collapses, Jack Raymond Janney earned a reputation as a visionary engineer with a great passion for his work. Janney passed away in Lawrence, Kansas, on October 9, 2006, at the age of 82.

Born on June 17, 1924, in Alamosa, Colorado, Janney's love of mathematics and science spurred his decision to become an engineer. After one semester at college and only a few months after the attack on Pearl Harbor, Janney left college and enlisted. He would become a top-notch Navy pilot during World War II.

After the war, Janney returned to the University of Colorado where he earned his bachelor's degree in architectural engineering in 1948 and his master's degree in structural engineering in 1950. Janney's graduate-school thesis on prestressed concrete became recognized as one of the first comprehensive papers written on the subject in the United States. Subsequently, the Portland Cement Association (PCA) hired Janney to conduct research on prestressed concrete at its newly-constructed laboratories in Skokie, Ill., where he worked from 1950 to 1956.



In May of 1956, Janney started his own consulting firm that would eventually become Wiss, Janney, Elstner Associates,

Inc. (WJE). The company today employs more than 400 people in nineteen offices nationwide. Janney's first project as a consulting engineer was on behalf of the Illinois Toll Highway Authority, overseeing the manufacture of precast, prestressed concrete bridge girders for the new tollway. Janney was also hired to consult during the construction of the project and to instrument and load test prototype bridges that were the first of their kind in Illinois.

In WJE's early years, Janney pioneered the use of three-dimensional scale models for determining the distribution of strains and stresses in structures, before the advent of computers and structural analysis programs. During his 50-plus year career, Janney investigated upwards of 500 major structural collapses and more than 4,000 cases of structural distress.

A member of numerous professional organizations, Janney served many years on the Research Council on the Performance of Structures for the American Society of Civil Engineers (ASCE). Janney was also active in the Prestressed Concrete Institute (PCI),

National Society of Professional Engineers (NSPE), the ASCE/American Concrete Institute (ACI), and the American Society for Testing and Materials (ASTM), serving as chair of a number of committees in each. He also served on the Board of Directors for both ACI and PCI.

Janney received the Distinguished Engineering Alumnus Award from the University of Colorado in 1985, the John F. Parmer Award from the Structural Engineers Association of Illinois in 2000, the Forensic Engineer of the Year Award from the Technical Council on Forensic Engineering in 1991, and Civil Engineer of the Year Award from the Illinois Section of ASCE in 1979. In 1991, Janney was also elevated to Honorary Member status in ASCE. Janney's early work in precast concrete also earned him recognition as one of 50 "Titans" of the precast/prestressed concrete industry at the 50th anniversary for PCI in 2004.

Although Janney retired as President of WJE and returned to his native Colorado in 1980, he remained on its Board of Directors and continued as an active consultant to the firm he founded until his passing this year. He will be remembered by those close to him as an engineer with the highest professional integrity, a pioneer, an innovator, and a man who embraced his work and his life with great enthusiasm. **MSC**