

news

MEMBERSHIP

AISC Proudly Welcomes New Full and Associate Members

This month, we're introducing a news segment where we recognize full and associate members who have joined forces with AISC over the past quarter. In this inaugural list, we've included firms that have joined in the first two quarters of 2017.

New Full Members

- Acadian Steel, Gaston, S.C.
- Bayou Steel Corporation, Laplace, La.
- Bradford Welding & Truck Equipment Inc., Haverhill, Mass.
- Critical Path Metal Works, Inc., Westcliffe, Colo.
- Edwards, Inc., Spring Hope, N.C.
- Gerace Construction Co., Inc., Midland, Mich.
- Iron Mechanical, Inc., DbA, TMI Contractors, Mount Vernon, Inc.
- J.M. Davidson, Inc., Aransas Pass, Texas
- Jestex, Inc., Houston
- Lexicon, Inc., Little Rock, Ark.
- Master-Weld, Inc., Chicago
- Midstate Steel, Inc., Macon, Ga.
- Precision Fabricating Group, LLC, Easton, Pa.
- Rigid Global Buildings, Houston
- S & A Trombley Corp., DbA LWI Metalworks, Morrisville, Vt.
- Shoreline Industries, Inc., Portsmouth, Va.
- Weldall Mfg., Inc., Waukesha, Wis.
- Worldwide Communications Consultants, Inc., Newburgh, Ind.
- CK Services Group, LLC, DbA CK Construction, Ogden, Utah
- Color Works Painting, Inc., New Castle, Del.
- Diseno Y Optimizacion De Almacenes Funcionales S.A. De C.V., Toluca, Mexico
- Empire Acero, Humble, Texas
- Evans Mountain Drafting, LLC, Holladay, Utah
- Ferro Products Corp., Charleston, W.V.
- Global Structural Detailing, Ltd. Edmonton, Alb., Canada
- Indes Global LLC, Chantilly, Va.
- Kobelco Welding of America, Inc., Stafford, Texas
- Lancor Structural Design, Ltd., Rogersville, N.B., Canada
- Liberty Steel, Inc., Irving, Texas
- Nenad Stanisavljevic, Ridgewood, N.Y.
- Philip's Detailing Service, Sugar Land, Texas
- Proxedge, Cape Coral, Fla.
- SD Steel Shops, Inc., Belgrade, Mont.
- Southern Steel Detailers, Inc. Lexington, S.C.
- Steel Builders Inc., Des Moines, Iowa
- Steel Concepts LLC, Ogden, Utah
- Steel Detailing Services, Inc., Sandy, Utah
- TESEM A.S., Ankara, Turkey
- Wecall, Inc., Orwell, Ohio

New Associate Members

- Advanced Draughting Services Limited, Dublin, Ireland
- Appalachian Drafting, LLC, Abingdon, Va.
- Blackstone Group Technologies, LLC, Trussville, Ala.
- Chicago Steel Construction, LLC, Merrillville, Ind.

PUBLICATIONS

Nuclear Facilities Specification Available for Public Review

The current draft of the 2017 AISC *Specification for Safety-Related Steel Structures for Nuclear Facilities* will be available on the AISC web site for public review until October 13, 2017. To access the draft and the review form, visit www.aisc.org/

AISC encourages *Modern Steel Construction* readers to use AISC member companies as resources for steel projects. For more information about AISC membership or to apply, please visit www.aisc.org/join. You can also contact us at membership@aisc.org or 312.670.2401.

publicreview. (You can also order a hard copy—for a \$35 charge—by calling Janet Cummins at 312.670.5411.) Please submit comments to Cynthia J. Duncan, director of engineering, at duncan@aisc.org by October 13 for consideration.

People and Firms

• **American Punch Company** (an AISC member) has begun construction on a major plant expansion that will nearly double the size of its production facility, located in Euclid, Ohio, and significantly increase its manufacturing capabilities. The new addition to the existing facility will add 23,000 sq. ft of plant space and 1,000 sq. ft of office space. To sustain its environmental efforts, the company has opted to install 800 solar panels on the roof of the new building that, over the next 25 years, will produce over 7 million kilowatts of electricity.

• **Falcon Steel America**, an AISC member and certified fabricator, has hired 25-year industry veteran **Alan Morris** as senior vice president of sales. Morris will lead the sales team charged with selling the company's one-stop capabilities for the electric utility, telecommunications and highway/transportation industries.



• **Alfred Benesch & Company** has merged with **Ghyabi & Associates**, a transportation planning and engineering firm based in Ormond Beach, Fla. The addition of Ghyabi & Associates expands Benesch's Southeast region, bringing additional capacity to the firm's service profile in the areas of roadway planning and design, traffic and public involvement. The combined firm will have more than 600 employees located in offices throughout 16 states.

STAFF NEWS

Matt Shergalis Promoted to NSBA Northeast Regional Director

Matt Shergalis, PE, has been promoted to northeast regional director for NSBA. He replaces Bill McEleney, who recently retired from NSBA/AISC after 30 years of service. For the last four years, McEleney also served as NSBA's managing director, helping guide the organization prior to the ap-



pointment of Danielle Kleinhans, PE, PhD, to managing director/AISC vice president.

Shergalis has served NSBA for the past three years as its marketing manager. He now assumes responsibilities for the Northeast territory, which include fostering relationships between the steel industry and the design community, promoting the use of steel in bridge construction and providing technical assistance to engineers to ensure efficient and economical steel bridge construction.

"I am excited about these changes," said Kleinhans, "and confident in Matt's ability to continue Bill's efforts with the stakeholders in the Northeast to ensure that steel remains the mate-

rial of choice in a region with such a rich steel bridge history."

Prior to joining NSBA, Shergalis worked as a structural staff engineer for TLF Engineers, Inc., in Indianapolis, where he was responsible for designing various projects, including an office building expansion, a university athletic facility expansion and renovation and customized platform systems for commercial applications. He also recently received his MBA from Butler University in Indianapolis. He holds a bachelor's degree in civil engineering from Trine University in Angola, Ind.

With Shergalis' appointment, NSBA representatives' regions have shifted slightly. To find your regional director, visit www.steelbridges.org.

SKYSCRAPERS

PEER Releases Updated Tall Building Seismic Design Guide

The Pacific Earthquake Engineering Research Center (PEER) has released the second edition of its *Tall Building Initiative Guidelines for Performance-Based Seismic Design of Tall Buildings*. Sponsored by AISC, Charles Pankow Foundation, Structural Engineering Institute of ASCE (SEI), Structural Engineers Association of California, Federal Emergency Management Agency and ACI Foundation (Concrete Research Council), it serves as an update to the first edition of the document, which was released in 2010.

PEER developed the first edition in response to the growing use of alternative seismic design approaches that go beyond the typical prescriptive requirements of building codes. The document has become a significant reference for structural engineers, and the profession has gained substantial experience in applying these alternate techniques to designing tall buildings.

The use of performance-based seismic design for tall buildings now encompasses structural systems beyond the core

wall-reinforced concrete systems (which were the focus of the first edition), irregular structures and building complexes that include multiple towers on a single podium. This second edition addresses lessons learned in application of the first edition and reflects current knowledge and state-of-practice.

"Typically, the tall buildings using these guidelines take exception to one or more code requirements and, as such, use them to justify the building's performance as being equivalent to a code-prescriptive design," said John Hooper, SE, a senior principal with Magnusson Klemencic Associates, Inc., and one of the document's authors. "Numerous updates were made to this new version, including compatibility with ASCE 7-16 and its newly rewritten Chapter 16: Nonlinear Response History Analysis, with AISC's LRFD (load and resistance factor design) approach."

"I believe that this second edition represents a significant step forward in the performance-based seismic design of tall buildings," expressed James O. Mal-

ley, SE, a senior principal with Degenkolb Engineers, Inc., and another of the document's authors. "Lessons learned from project applications and major advances in our analytical and ground motion estimation capabilities over the last decade have been incorporated. When combined with ASCE 7-16 and standards such as AISC's *Specification and Seismic Provisions*, we hope the updated version will be an important resource for engineers designing tall and other unique structures."

"This edition of the guide incorporates the most recent research in seismic design," noted Larry Kruth, PE, AISC's vice president of engineering. "This includes methods for using items such as steel plate shear walls for the lateral force resisting system. It's very comprehensive."

The new guidelines document is available at peer.berkeley.edu/tbi. AISC's *Specification for Structural Steel Buildings* (ANSI/AISC 360-16) and *Seismic Provisions for Structural Steel Buildings* (ANSI/AISC 341-16) are both available at www.aisc.org/standards.

CERTIFICATION

AISC Issues New Bridge Certification Program Requirements

AISC has issued new certification program requirements for its Bridge and Highway Metal Component Manufacturers Program and the Sophisticated Paint Endorsement, and has updated the program requirements for all other certifications.

The new program requirements provide transparency and simplicity for participants and applicants about the governing document for each certification program and endorsement. The new and updated program requirements continue to reference the same AISC certification standards as the previous versions. Additionally, the use of consistent requirements across all of AISC's certification programs provides clarity to the marketplace—owners, DOTs, architects, engineers, general contractors, etc.—who will

gain a better understanding of all of the programs, which are now similar in structure.

Mark Trimble, AISC's vice president of certification, stated, "Our program requirements are now consistent in format across all AISC certification programs and provide essential program-specific guidance for participants, AISC staff and auditors. This will improve our services by eliminating inconsistencies and streamlining all governing program requirements."

The new program requirements are available at www.aisc.org/certification. New requirements began applying to all participants and applicants as of August 1. Certification Bulletin 2017-3 provides instructions on the process and timeline for the rollout of the program requirements listed below:

- Certification Program Requirements for Fabricators of Steel Buildings (Revised)
- Certification Program Requirements for Fabricators of Steel Bridges (Revised)
- Certification Program Requirements for Manufacturers of Bridge and Highway Components (New)
- Certification Program Requirements for Fabricators of Hydraulic Steel Structures (Revised)
- Certification Program Requirements for Erectors of Structural Steel (Revised)
- Certification Program Requirements for Applicators of Complex Coatings Endorsement (New)

For questions, please contact AISC certification at certification@aisc.org or 312.670.7520.

MANUAL

15th Edition Steel Construction Manual Now Available

AISC's 15th Edition *Steel Construction Manual* is now available. This new edition of the *Manual* includes the 2016 *Specification for Structural Steel Buildings* (ANSI/AISC 360)—with improvements and revisions in the provisions for slender-element compression members, shear strength and double-angle and WT flexural strength—as well as the 2016 *Code of Standard Practice for Steel Buildings and Bridges* (ANSI/AISC 303), which clarifies the use of models, and new and enhanced architecturally exposed structural steel (AESS) standards.

"The enhancements in the 15th Edition *Manual* should be a great aid in helping structural engineers design with steel," said Larry Kruth, PE, AISC's vice president of engineering and research.

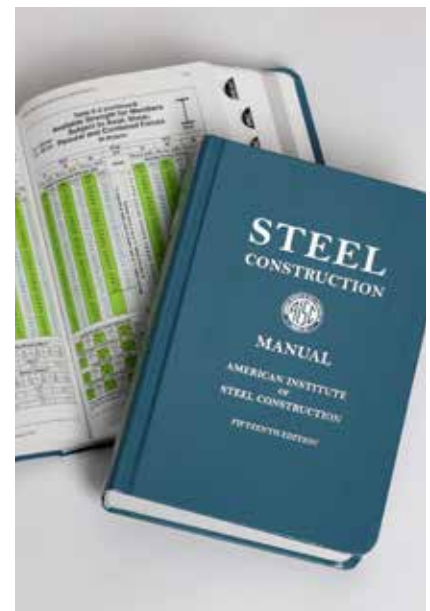
The 15th Edition *Manual* represents its 15th significant update since it was first published in 1927.

Just a few of the revisions in this edition include:

- New heavier W-shape sizes and larger HSS, pipes and angles
- A new, all-in-one, "super table" that provides the available compressive, flexural, shear and tension strengths for W-shapes
- W-shape column tables for 65- and 70-ksi steel
- HSS design tables updated to higher-strength ASTM A500 Grade C steel
- An updated coped beam strength design procedure
- The latest versions of AISC codes and standards

The 15th Edition *Manual* is available for purchase in print for \$200 for AISC members and \$400 for nonmembers for shipping in North America. Orders may be placed online at www.aisc.org/publications or by calling 800.644.2400. Professional members and full members who wish to order more than two manuals at the member price must place their orders via telephone.

For more on the 15th Edition's "super table," see "One-Stop Shop" in the July 2017 issue, available at www.modernsteel.com.



STANDARDS

Prequalified Connection Standard Supplement Available for Public Review

The first supplement to AISC's *Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications* (AISC 358-16) is available for public review until October 6, 2017. This document adds a new prequalified connection—the SSDA Slotted Web Moment Connection—and expands the

scope of prequalification for the Side-Plate moment connection in Chapter 11.

The standard supplement and review form are available at www.aisc.org/publicreview. Hard copies are also available (for \$35) by contacting AISC's Janet Cummins at 312.670.5411 or cummins@aisc.org. The current 358-16

standard is available for free at www.aisc.org/standards (if needed for reference when reviewing the public review document). Please submit comments using the online form to AISC's Margaret Matthew (matthew@aisc.org) by October 6 for consideration.