



12½ MINUTES

with AISC's Engineering & Research Department



ENHANCED A572, Gr. 50

A reminder that the structural shape producers can now provide an enhanced A572, Gr. 50 steel per AISC Technical Bulletin #3, March, 1997. The unique features in addition to the standard ASTM A572 requirements of this new product are:

- maximum yield strength of 65 ksi
- maximum yield to tensile strength ratio of 0.85
- carbon equivalent (CE) formula and limits
- controls on selected residual elements

These additional limits offer a better defined material that may be particularly useful for seismic and welding applications. For more specific availability and ordering information on this structural steel, contact your structural steel supplier or fabricator. Try it (& you'll like it).

--Nestor Iwankiw, P.E.
Vice President, E & R

ANSI ACCREDITATION OF COMMITTEE ON SPECIFICATIONS

AISC will soon formally apply to ANSI (the American National Standards Institute) for recognition of the Committee on Specifications as an Accredited Standards Committee of ANSI. The application to ANSI has been approved by the Committee and by the Board of Directors of AISC. Accreditation by ANSI will allow AISC to publish the LRF Specification and any other tech-

nical documents developed and approved by the Specifications Committee as consensus ANSI/AISC American National Standards. Currently, only the AISC Nuclear Specification (i.e., the Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities, ANSI/AISC N690-1994) has the status of an American National Standard. This was achieved through the ANSI "canvass method" with AISC as the accredited sponsor.

--Abe Rokach
Director of Building Design
and Software

NATIONAL STEEL CONSTRUCTION CONFERENCE

Mark your calendars for the 1998 National Steel Construction Conference, which will be held in New Orleans on April 1-3, 1998. An advance program will be mailed to all Modern Steel Construction subscribers at the end of November, or get the information from our web page at www.aisc.org.

There will be many technical breakout sessions covering engineering, management, fabrication, erection, and welding topics. Again there will be a full day short course on Saturday April 4 following the Conference on Low Seismicity. New to the 1998 Conference will be a ½ day short course Wednesday morning April 1 prior to the start of the Conference which will focus on Vibration. The Engineering Awards of Excellence and the T. R. Higgins Lectureship Award will be present-

ed at the National Steel Construction Conference.

Make plans to come to New Orleans next April.

--Patrick Newman, P.E.
Director, Technical
Information Services

NEW REFERENCE PUBLICATION: "A GUIDE TO ENGINEERING AND QUALITY CRITERIA FOR STEEL STRUCTURES— COMMON QUESTIONS ANSWERED"

Now in print, this publication will be featured at the 1998 NSCC in New Orleans. This reference has been prepared to: (1) familiarize engineers, architects, fabricators, erectors, inspectors, and owners with the techniques and tolerances of standard steel fabricating practice and with the economic effect of special workmanship requirements; and, (2) to provide engineering guidance in answer to common questions in steel design and construction. Some common problems and conflicts of interpretation of standards involving fabrication tolerances and procedures are discussed; the AISC recommendation for their clarification and resolution is provided. Such recommendations should be used together with the existing specifications and codes to advance the goals of achieving steel structures that are safe, economical, and serviceable.

--Charlie Carter, P.E.
Director of Manuals

INTERNATIONAL STEEL ROUNDTABLE

During the 1997 AISC Annual Convention in Banff, Alberta (Canada), a successful half-day International Steel Roundtable session was held on Sept. 10. Representatives of steel associations from Canada, Mexico, France, Austria, UK, Sweden, Finland, Australia and Korea and two major steel producers participated in this program. Keynote presentations focused on high-performance steels, steel fire resistance, new floor systems, and electronic information transfer and software. A lively general discussion followed on these and other topics related to research innovations and construction opportunities.

Because of the common mutual interest, it was agreed to further cultivate such international dialogue and information exchange by starting preparations for the next Roundtable in approximately two years.

--Nestor Iwankiw, P.E.
Vice President, E & R

LRFD AND ASD

From time to time, engineers ask about AISC plans for the next AISC Manual and about the current status of LRFD and ASD.

As announced in the June, 1995 issue of *Modern Steel Construction*, AISC continues to operate under its Board of Directors resolution, which affirms that the 1993 AISC-LRFD is the preferred Specification for the fabricated structural steel industry. The reasons cited for this decision were the technical superiority of structural limit states, loading requirements and reliability which make LRFD especially relevant for seismic applications, composite design

and partially restrained (PR) construction. The 1995 AISC Board Resolution concludes, "...LRFD is consistent with the prevailing trend toward limit-states design in all materials, both domestically and internationally."

During the ongoing transition period in U.S. steel design practice, the 1989 - ASD Specification and Manual remain available and acceptable for use as alternatives. At its recent June, 1997 leadership meeting of AISC Board and Committee on Specification representatives, it was agreed that the existing ASD Specification would be maintained in its current form for the foreseeable future subject only to changes by addendum for safety reasons or other major differences, if necessary. A Task Committee is starting to review one such possible issue. However, there are no plans to publish a complete new 10th edition of either the ASD Specification or Manual.

Active research and development continues with the AISC LRFD Specification and Manual, that will result in future editions at regular intervals.

--Nestor Iwankiw, P.E.
Vice President, E & R

SPECIAL THANKS

We would like to thank the following people for helping review Engineering Journal submittals for the Engineering Journal Review Board in 1997:

Horatio Allison; Arthur P. Arndt; Barry L. Barger; Kasi V. Bendapudi; Reidar Bjorhovde; Omer Blodgett; Del F. Boring; Aine Brazil; Michael Chajmes; W.F. Chen; David Darwin; John T. Dewolf; Robert O. Disque; Duane S. Ellifrit; Theodore V. Galambos; Dick G. Gewain; Larry G. Griffis; Jerome Hajjar; Dick Kaehler; Larry A. Kloiber; Leroy A. Lutz; Murty K.S. Madugula; William McGuire; James Milke; John P. Miller; William E. Moore II; Thomas

M. Murray; Steve Olson; Egor P. Popov; Ralph Richard; David T. Ricker; Charles G. Salmon; Donald Sherman; James E. Stallmeyer; M.C. Temple; William A. Thornton; Jules Van de Pas; C.M. Yoo; and Joseph A. Yura.

If you would like to be a part of the Engineering Journal Review Board please send you name and address along with the subjects that you would like to review to Patrick Newman at AISC or by email to newman@aiscmail.com.

--Patrick Newman, P.E.
Director, Tech. Info.

THE ERECTOR CERTIFICATION PROGRAM

After months of preparation AISC, in conjunction with the National Erector's Association and the Steel Erector's Association of America, are proud to announce that the Erector Certification Program has been completed. Let me tell you a little bit about what you can expect.

There will be two categories offered: Certified Steel Erector & Certified Advanced Steel Erector

The intent of the program is to enhance and encourage safety and quality through communication of state-of-the-art erection practices and the incentive of participating in a program which will be recognized and accepted by construction owners and specifiers.

We plan on accepting applications by the end of October 1997. We hope to have 20 erectors certified by 1998. AISC encourages you to become familiar with the program and make use of it. If you would like to know more about the program, call AISC at (312) 670-2400.

--Tom Schlafly
Director, Fabricating Operations
and Standards