



# 12<sup>1</sup>/<sub>2</sub> MINUTES

with AISC's Engineering & Research Department



## KEITH A. GRUBB – NEW STAFF ENGINEER

The E & R Department extends a warm welcome to Keith Grubb, AISC's newest engineer, who joined the Institute in May 1998. Keith has had about three years of structural design experience, most recently with Gible Norden Champion Consulting Engineers in Connecticut. He also recently passed the PE examination in Connecticut. His consulting work entailed analysis, design, and detailing of building structures for new construction and renovations, as well as some on-site field inspections and surveys. Keith has both an MS in architectural engineering (structures) from Penn State (Pennsylvania State University) and an MS in civil engineering (structures) from Virginia Tech.

By Nestor R. Iwankiw, P.E.

## 1997 AISC SEISMIC PROVISIONS

The 1997 AISC Seismic Provisions for Structural Steel Buildings is now available. To order, call 800-644-2400 and ask for AISC Publication Number S341. This document addresses the design and construction of structural steel and composite structural steel/reinforced concrete building systems in seismic regions. The Provisions are in three parts: Part I is intended for the design and construction of structural steel buildings; Part II is intended for the design and construction of composite structural steel/reinforced concrete buildings; Part III is an allowable stress

design alternative to the LRFD provisions for structural steel buildings in Part I.

The principal changes in this revision of the Seismic Provisions are: extensive modifications to Special Moment Frames (SMF), the addition of special requirements for welded and bolted connections, and expanded diversity of structural steel systems, such as Intermediate Moment Frames (IMF), Special Truss Moment Frames (STMf), and Special Concentrically Braced Frames (SCBF); the addition of Part II, which covers composite structural steel/reinforced concrete seismic systems; and, the incorporation of Appendix S with provisions for the evaluation of moment connection performance through testing.

Many recommendations of the FEMA/SAC Interim Guidelines (FEMA 267) form the basis of new requirements in the AISC Seismic Provisions. In addition, a number of other relevant research reports have been referenced. While research is ongoing, this revision of the AISC Seismic Provisions represents the best available knowledge to date. These Provisions were developed simultaneously and cooperatively with the revisions that the Building Seismic Safety Council (BSSC) provided for the 1997 NEHRP Provisions. Accordingly, this AISC document will form the basis for steel seismic design provisions in the 1997 NEHRP Provisions as well as those in the 2000 International Building Code (IBC), which is currently under development by the International Code Council (ICC).

By Charles J. Carter, P.E.

## STEEL COATINGS SEMINARS

A seminar to improve the awareness of issues in the application and inspection of sophisticated coatings on structural steel has been conducted. The seminar is sponsored by the certification department of AISC and is presented by Eric Kline and Bill Corbett of KTA Tator. To date, it has been held in four US cities with another scheduled for Las Vegas on October 13th and 14th of this year. Approximately 95 individuals have attended the seminars at the various locations, with multiple companies sending two or more individuals and at least two repeat companies. We have received many compliments on this seminar and many requests for notification of future ones. For further information, contact Diane Smith at (312) 670-5435 or by e-mail at [qualcert@aisc-mail.com](mailto:qualcert@aisc-mail.com).

By Thomas J. Schlafly

## 1999 ANNUAL STEEL SEMINAR SERIES

The AISC Steel Seminar for 1999 is entitled "Essentials of Steel Design Economy." This program has the long range goal of changing steel design practice by providing better knowledge of cost and time saving practices in fabrication and erection.

A forty-five-city schedule will begin in January and continue through the year.

By Robert F. Lorenz, P.E.

## 1999 T.R. HIGGINS AWARD

The deadline for nominations for the 28th annual T.R. Higgins Lectureship Award is November 13th, 1998. This AISC award honors an outstanding author of a structural steel technical paper published within the period of January 1, 1993 to January 1, 1998.

Nominations should be sent to:

Committee on Education  
c/o Robert Lorenz  
American Institute of Steel  
Construction  
One East Wacker Drive,  
Suite 3100  
Chicago, IL 60601-2001

By Robert F. Lorenz, P.E.

## AISC SPECIFICATIONS

Supplement No. 1 to the LRFD Specification is now available. It contains the changes and additions to the 1993 (Second Edition) LRFD Specification approved by the AISC Committee on Specifications through January 30, 1998. These include ASTM A913 steel, clarification of the provisions on fillet weld terminations, modifications to Chapter I – Composite Members, and moving of the factored-load provisions on slip-critical bolted connections to the main Chapter J and their service-load counterparts to the appendix. A free copy of Supplement No. 1 can be obtained by calling (800) 644-2400 and asking for AISC Publication No. S347L.

In June, AISC applied to ANSI (the American National Standards Institute) for accreditation of its Specifications Committee as an ANSI Standards Developer. Approval of the application will result in recognition of all AISC consensus documents pro-

duced by this Committee, including the LRFD Specification, as American National Standards.

By Abraham J. Rokach, S.E., P.E.

## AISC WEB SITE CONTINUES TO EXPAND OFFERINGS

This year, April 15th marked not just the coming of the taxman, but also a major revision of AISC's web site ([www.aisc.org](http://www.aisc.org)). In addition to a new look, the site features greatly expanded information on AISC research activities (including a list of Research Committee Members), a news & press release archive, and enhanced bridge-related information.

A number of new features will soon be inaugurated on the site. One of the most requested additions is an employment services section. This area will include job openings as well as resumes of professionals seeking new employment.

AISC is offering a banner advertising program, though at this time this service is restricted to AISC Active Fabricator Members. In addition, web development services are available to all AISC and NSBA members (Active, Associate, Professional, Affiliate).

One area that is undergoing a substantial modification is the AISC Staff & Services section. While the web site is designed to help visitors find information from AISC without having to resort to the time-consuming process of either placing a phone call or sending email, we recognize that sometimes it is necessary to contact a particular individual at AISC. To aid this effort, a new AISC Staff & Services section is being developed. This listing will provide a description of the services provided by each listed staff

person so the correct person can be contacted when necessary.

## Future Developments

While the above services are actively under development, a number of additional programs are still in the conceptual phase. Foremost among these is to make a variety of AISC publications (such as Design Guides, Manuals and Engineering Journal articles) and software available for download from the site. This service would either be offered on a fee per-use or paid subscription basis.

Similarly, AISC is considering offering an interactive freeware posting service, whereby engineers, fabricators, detailers and others could post software utilities (e.g., Excel spreadsheets, AutoLISP routines, small computer programs, etc.) for a free download.

Finally, a "Jobs Out To Bid" section may be added.

## Modern Steel Site

As of October 1, AISC inaugurated a separate site dedicated to Modern Steel Construction magazine ([www.modernsteel.com](http://www.modernsteel.com)). In addition to the current issue and selected back issues, the site will offer an on-line Q&A listing. This section will allow visitors to post questions or answer previously posted questions. The Q&A forum will be organized to make it easy to see all replies to a single question. Modern Steel Construction's web site will only be available to registered users; however, registration is free.

If you have any comments or suggestions for AISC's Web Sites, please email Steven Hamburg at [hamburg@aiscmail.com](mailto:hamburg@aiscmail.com).

Steven Hamburg, P.E.