

# SELECTING STRUCTURAL STEEL SYSTEMS

**M**ORE AND MORE, OWNERS AND CONTRACTORS are favoring fast-track construction. As a result, the pressure to use tried-and-true methods overwhelms the benefits of adopting new and innovative ideas. AISC's 1996 Steel Seminar Series, which begins this June, is designed to present some of these new ideas and to increase designer's familiarity and comfort level with innovative steel designs that can reduce costs and speed construction.

The four-part lecture includes:

- **Wind & Seismic Loads for Buildings:** Changing codes for wind and seismic design need not complicate the design of structural steel frames. This lecture focuses on simplifying the determination of seismic and wind loads in accordance with NEHRP '94 Recommendations and ASCE Standard 7-95.
- **Choosing Steel Framing Systems:** Because of its versatility, structural steel provides a wide array of framing options. This lecture will focus on innovative designs for structural utility and low-cost constructability. It will include braced, unbraced, seismic and special systems.
- **Criteria for Connection Selection:** A wide variety of factors can influence the cost and constructability of connections. This lecture will discuss many of these issues and offer guidelines for a wide variety of connection types, as well as design/detailing criteria and shop/field criteria.
- **Communicating Connection Information:** A good flow of information is

critical to a project's success. This lecture discusses different processes for communicating information on drawings & specs, standard connections, connection loads, and incomplete/changed information.

The seminar will provide a thorough review of several time-tested framing and connection systems and provide insights into the benefits of each. The seminar costs \$120 (\$90 for AISC members; \$40 for students) and has a value of 5.0 Professional Development Hours (PDH) or 0.5 CEUs.

## Middle Atlantic

D.C./Baltimore . . . . Aug. 13  
 Philadelphia . . . . . Aug. 14  
 Pittsburgh . . . . . Oct. 16  
 Charleston, WV . . . . Oct. 17  
 Cleveland . . . . . Oct. 29  
 Columbus . . . . . Oct. 30  
 Cincinnati . . . . . Oct. 31

## West

San Diego . . . . . July 9  
 Orange County . . . . July 10  
 Los Angeles . . . . . July 11  
 Portland, OR . . . . . Sept. 30  
 Seattle . . . . . Oct. 1  
 Phoenix . . . . . Oct. 22  
 Salt Lake City . . . . . Oct. 23  
 Boise . . . . . Oct. 24  
 Sacramento . . . . . Dec. 11  
 San Francisco . . . . . Dec. 12

## South

Raleigh . . . . . June 25  
 Norfolk . . . . . June 26  
 Richmond . . . . . June 27  
 Charlotte . . . . . July 30  
 Greenville . . . . . July 31  
 Atlanta . . . . . Sept. 4  
 Memphis . . . . . Sept. 24  
 Nashville . . . . . Sept. 25  
 Birmingham . . . . . Sept. 26  
 Miami . . . . . Dec. 4  
 Orlando . . . . . Dec. 5

## Midwest

St. Louis . . . . . June 18  
 Minneapolis . . . . . June 20  
 Omaha . . . . . July 18  
 Detroit . . . . . Aug. 20  
 Indianapolis . . . . . Aug. 22  
 Chicago . . . . . Nov. 20  
 Milwaukee . . . . . Nov. 21

## Southwest

New Orleans . . . . . June 11  
 Albuquerque . . . . . June 13  
 Kansas City . . . . . July 16  
 Dallas . . . . . Sept. 10  
 Houston . . . . . Sept. 12  
 Denver . . . . . Jan. 16, 1997

## Northeast

Hartford . . . . . July 23  
 Boston . . . . . July 24  
 Portland, ME . . . . . July 25  
 Rochester . . . . . Aug. 7  
 Albany . . . . . Aug. 8  
 New York City . . . . . Nov. 13  
 Edison . . . . . Nov. 14

For more information, contact: AISC Seminars, One East Wacker Dr., Suite 3100, Chicago, IL 60601-2001 or phone 312/670-5422 (fax: 312/670-5403).

## CONFERENCES & SEMINARS

- **ASCE Structures Congress**  
 Chicago, April 15-18  
 Sessions include: tall building design; bridges; structural reliability; concrete masonry structures; computer analysis; stability; and wind and earthquake



engineering. Includes sessions with: Council on Tall Buildings and Urban Habitat and Structural Stability Research Council.

Contact: 212/705-7496

• **FHWA/AASHTO National Metric Conference**

Minneapolis, April 15-18

Sessions will cover technical issues and public awareness, training & education.

Contact: Robert J. McPartlin (612/296-4337) or Bruce W. Rosand (612/582-1090)

• **AWS 1996 International Welding and Fabricating Exposition**

Chicago, April 23-25

In addition to numerous technical sessions, the show will feature more than 360 exhibitors.

Contact: 800/443-WELD

• **American Design Drafting Association Technical Conference**

Anaheim, June 20-21

Contact: Rachel H. Howard (301/460-6875)

• **Construction Specifications Institute Convention & Exhibit**

Denver, June 28-30

Contact: Lisa Derby (800/689-2900 ext. 772)

• **Fracture & Fatigue Short Course**

Lawrence, KS, September 24-26

The course will be taught by two renowned experts (John Barsom of USX and Stan Rolfe of the University of Kansas). Emphasis will be on engineering applications using actual case studies, with some theory and introductory concepts of fracture mechanics covered. Enrollment is limited to 24 participants.

Contact: Mary Heberling (913/864-3284)

• **National Steel Bridge Symposium**

Chicago, October 15-17

Program includes conference plus pre- and post-conference

workshops. On Oct. 15, the workshop is expected to cover Steel Design Using LRFD. Two workshops are scheduled for October 17, the first on Seismic Design and the Construction of Steel Bridges, and the second on Economical and Functional Steel Details. Conference sessions are expected to cover a wide variety of subjects, from cable-stayed bridges to deck replacement and from weathering steel applications to high-performance steel. Other sessions will focus on interesting bridge case studies. The conference will conclude with a panel discussion on innovative steel bridge design.

Contact: 312/670-2400

• **SSPC 96 Protective Coatings Conference**

Charlotte, November 14-21

Contact: Renee Ramo Moldovan (412/281-2331 ext. 112)

parameters of the Interim Guidelines. Other systems could also be acceptable based on the submittal of appropriate test results that validate the performance of the proposed system.

While OSHPD has worked closely with the County of Los Angeles in reviewing the details and performance of the MNH-SMRF connection, we have approved projects using cover plates, as well as reduced beam section properties. OSHPD does not judge one system to be superior to the others. Our concern is that any approved system meets or exceeds the minimum criteria set forth in the Uniform Building Code and the California Building Code for hospital buildings for that particular project.

Sincerely,

**Kurt A. Schaefer, P.E.**

**Deputy Director,**

**Office of Statewide Health Planning and Development**

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## CORRESPONDENCE

**Dear Editor:**

The State of California, Office of Statewide Health Planning and Development (OSHPD) would like to clarify a statement made in the article "Proprietary Solution" (January 1996).

With regard to the Rancho Los Amigos Medical Center, Nelson states that one of the reasons the MNH-SMRF connection was chosen is that "...it was prequalified by OSHPD." This statement is misleading. The OSHPD does not have any prequalified SMRF connections. Each healthcare facility under our jurisdiction is reviewed on a case-by-case basis using the recommendations contained in the "Interim Guidelines: Evaluation, Repair, Modification and Design of Welded Steel Moment Frame Structures" (FEMA 267) and the latest information available to us through the SAC Joint Venture. Any of the systems discussed in FEMA 267 are acceptable within the defined