

Moment End Plate Connections—AISC Design Guide 16

The newest addition to the AISC Design Guide Series is hot off the press available for purchase from the AISC Bookstore. Design Guide 16 is a comprehensive guide to address the design of flush and extended multiple row moment end-plate connections. The guide serves as an expansion of the knowledge contained in Design Guide 4 (Extended End-Plate Moment Connections) to address flush and multiple-row extended configurations.

The development of this text was masterminded by Professor Thomas M. Murray, P.E., Ph.D. from Virginia Tech and W. Lee Shoemaker, P.E., Ph.D. from MBMA. Thanks to their efforts, the book fea-



tures multiple examples of typical end-plate configurations and designs.

Handy flowcharts provide a step-by-step design sequence for these connections, once the desired geometry has been established, simply explaining the design process for these connections.

Design Guide 16 is a useful resource to aid designers in utilizing these highly versatile connections with safety, efficiency and economy. The text includes a review of the applications and classifications of moment end-plate connections, general end-plate connection design procedures and specific proce-

dures for flush end-plate design, extended end-plate design, and gable-frame panel zone design. Order your copy today by calling 800.644.2400 or by visiting www.aisc.org/bookstore.html.

13th World Conference on Earthquake Engineering

Vancouver, BC, Canada
August 1-6, 2004

Hosted by the Canadian Association for Earthquake Engineering and presented under the auspices of the International Association of Earthquake Engineering, the aim of the Conference is to enable dialogue among the leading researchers and practitioners from a broad range of disciplines working to reduce the devastating effects of earthquakes on our society and environment. For more information on this event, email congress@venuewest.com or visit www.13wcee.com.

Concrete-Filled Tube Survey

The Composite and Hybrid Structures Committee of the American Concrete Institute (ACI335) is preparing a Special Report on the current use of Concrete Filled Tube (CFT) and Steel Shape Encased by Concrete (SRC) sections. The input from those involved in the design, research, construction, and fabrication processes is needed. To this end, a short survey has been developed. The survey can be found at:

<http://www.ecs.umass.edu/cgi-bin/ACI335survey/survey.pl>

Engineers, contractors, researchers, fabricators, and any others who have considered one of these elements in a project are encouraged to provide input, regardless of whether the system was used. The goal of the survey is to obtain information on the use of these systems, problems encountered, construction methods that have been successful, concerns regarding their use, and any regional differences in survey results. This information will be in-

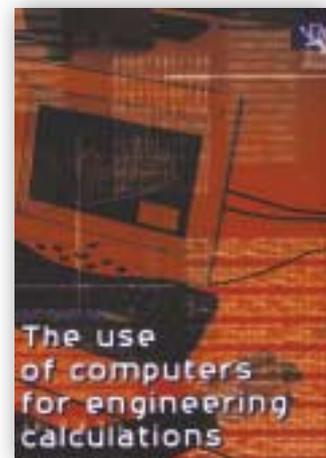
cluded in the final report, along with recommendations on future research to address industry concerns.

Please take a few minutes to complete the survey online. Alternatively, contact Scott Civjan at the University of Massachusetts at 413.545.2521 or civjan@ecs.umass.edu for an electronic or paper copy of the survey to fax or email. Additional questions should also be addressed to Civjan.

Guidelines for Using Computers in Engineering Calculations

Developments in computer have shifted the emphasis of engineering design from detailed calculations towards computer modeling. The new publication, *Guidelines for the Use of Computers for Engineering Calculations*, published by the United Kingdom's Institution of Structural Engineers, advocates a logical and disciplined approach to computer-assisted engineering based on a process of stage-by-

stage checks against pre-determined acceptance criteria. The publication examines the circumstances in which the misuse of a computer program can lead to an unsafe structure and stresses the importance of proper training and adequate supervision. Order the publication online at www.istructe.org.uk.



In Memoriam

William J. (Bill) Tangye

William J. Tangye, CEO of the Southern Building Code Congress International (SBCCI) and CEO of the International Code Council (ICC), passed away on June 1, 2002 at age 57.

Tangye joined SBCCI in 1975 as the director of engineering services and chief engineer. In 1982, he was named SBCCI's chief executive officer. Prior to joining SBCCI, Tangye was director of field engineering for BOCA International. On September 19, 2001, the ICC Board of Directors named him ICC's first Chief Executive Officer.

Robert G. (Bob) Dennis

Robert G. Dennis, founding principal of AISC-member Augusta Iron & Steel Works, Inc., passed away on May 22, 2002 at age 74. A native of Lafayette, GA Dennis was a longtime resident of Augusta. He retired from Augusta Iron & Steel Works, Inc., in 1993, and became chairman of its board of directors.

McEleney Named Interim Head of NSBA

Bill McEleney, a respected marketing engineer with nearly two decades of experience in the steel community, has been named the Interim Executive Director of the National Steel Bridge Alliance. McEleney has been a Regional Director with the NSBA since 1997 and previously spent 10 years as a Regional Engineer with AISC Marketing.

He replaces Arun Shirole, who resigned from the NSBA effective May 31. "Arun has provided key and essential leadership since the creation of the NSBA seven years ago," said Robert Insetta, NSBA Chairman. "Under his direction, it has become the focal point for the steel bridge industry."

McEleney was intimately involved in the development of the AASHTO/NSBA Steel Bridge Collaboration and currently serves on its Steering Committee. A joint effort between AASHTO and the NSBA, with representation from state DOTs, FHWA, academia and the various industries related to steel bridge design, fabrica-

tion and inspection, the Collaboration is to provide a forum where public and private professionals can work together to improve the quality and value of steel bridges. McEleney also has served as a member of the ASCE Steel Connections Committee and the AREMA Steel Bridges Committee 15.

"The NSBA is looking forward to building on the foundation established during Arun Shirole's successful tenure as Executive Director," McEleney stated. "We expect to maintain the fundamentals of NSBA's existing activities and to increase our direct interaction with members of the bridge design and development community, as well as the general public and their elected representatives."

The NSBA, a division of AISC, is a unified industry organization of businesses and agencies interested in the development, promotion and construction of cost effective steel bridges. For more information on the NSBA, please visit www.nsbaweb.org.

World Trade Center Building Performance Study-Preliminary Lessons Learned

**Baltimore, MD
Mt. Washington Conference Center
September 19, 2002**

Co-Sponsored by the Society of Fire Protection Engineers (SFPE) and ASCE's Structural Engineering Institute (SEI), this morning seminar will explore the preliminary lessons learned from the collapse of the World Trade Center on September 11, 2001.

The collapse of some buildings and the survival of other buildings affected by the events of September 11 provided new information to the fire protection and structural engineering communities about the behavior of tall buildings exposed to fires. Join three members of the FEMA sponsored study team - William Baker, P.E., Partner, Skidmore Owings and Merrill, Jonathan Barnett, Ph.D., FSFPE, Worcester Polytechnic Institute and

James Milke, P.E., Ph.D., FSFPE, University of Maryland for a review of the findings of the FEMA sponsored investigation, including both structural and fire behavior and for insights on implications for the profession. A special focus on the need for interaction between the fire protection and structural engineering professional in design will be presented.

Visit www.sfpe.org for complete registration information or contact SFPE at 301.718.2910. Advance registration rates (\$150 SFPE/ASCE member, \$195 non-member) are good through August 16, 2002. The Society of Fire Protection Engineers will award 0.40 continuing education units for attending the entire seminar.

Send press releases and other information for the **News and Events** section to Keith Grubb at grubb@modernsteel.com

Fire Protection Strategies for 21st Century Building and Fire Codes

**Baltimore, MD
Radisson Hotel at Cross Keys
September 17-18, 2002**

The Society of Fire Protection Engineers (SFPE), in cooperation with the American Institute of Architects (AIA) is presenting a two-day symposium focusing on the modern challenges facing the fire protection concepts embedded in today's building codes. Join architects, building users, code officials, engineers, fire service and manufacturers along with the code development organizations to learn how issues such as balanced design, degrees of combustibility, and defend in place evacuation will be addressed in 21st century building and fire codes.

Visit www.sfpe.org for registration information or contact SFPE at 301.718.2910. SFPE will award 1.6 continuing education units for attending the entire symposium.

Steel Business Group Members Travel to Romania to Secure Detailing Resources

Businesspeople from 18 North American steel fabrication firms travelled to Brasov to meet the Romanian engineers there who will become their new long-distance engineers and detailers in the Detailers Access project.

"Steel is a universal language, and it crosses many boundaries," said Richard Trump, of Trump Iron Works of Crown Point, IN, who made the trip to Romania to meet the two detailers his business will hire. "We were very impressed with the level of education, and the eagerness to work. We welcomed their attitude, because you just can't get young people in this country to get excited about detailing steel."

The National Institute of Steel Detailers estimates the average age of a steel detailer is 55, indicating the declining pool of trained detailers within the North American continent is a problem for the steel fabrication business.

Mr. Trump said the two new employees will be visiting the business later this year to meet fellow employees, see the end-result of current projects, and learn Trump's way of doing things. But

the program is already at work—"We left on a Tuesday, and we emailed them a job immediately and they were working on it the next day," he said.

Steel Plus Network, of which Trump Iron and the other businesses visiting Romania are members, is a group of 117 North American steel fabricators, has worked to alleviate the problem by beginning the Detailer Access program, which established detailing houses in countries where the supply of detailers and engineers is more plentiful. There are currently 140 engineers and detailers in the Brasov office, as well as a detailing shop in Kolkata, India.

"This is both a solution to a shortage in our industry in North America, and a benefit to employees in these countries where work is not so easy to find," said Pierre Arcand, general manager and president of Steel Plus Network. "It is a people-oriented strategy that will supplement the educational efforts that are going on in the industry at the same time."

Steel Plus Network first opened an office in Romania in 1998. Last year, in

a trial program, four Steel Plus Network members—including Doing Steel of St. Louis, MO and FMM Steel of Rindge, NH—hired detailers from the program. "They are our virtual detailers," said Ann Gavin, president of FMM Steel, at the Steel Plus Network Convention in January. "We have been very pleased with how well this program has worked," agreed Monte Doing, president of Doing Steel.

The firms who travelled to Brasov—eight from the United States and 10 from Canada—will spend the coming months analyzing the Detailer Access program and, if selected, their Romanian "employees" will travel to their firm to be trained.

Steel Plus Network offers North American steel fabricators and suppliers who are members a wide range of innovative solutions to increase competitiveness and sales. Created in 1995, the group aims to develop mutually profitable relationships between its members and Canam Steel.