

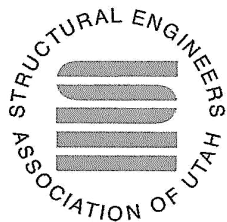


AISC Design Guides: Façade Attachments to Steel Frames & Steel Plate Shear Walls

March 20, 2008
7:30 AM – 5:00 PM

University of Utah
Warnock Engineering Building
WEB 1230
Salt Lake City, UT

Location sponsored by:
The Civil & Environmental Engineering Department



 **DIVISION OF OCCUPATIONAL AND
PROFESSIONAL LICENSING**

Façade Attachments to Steel Frames

SPEAKER:

Gabriel A. Jimenez, Ph.D., P.E.

Gabriel Jimenez is a Principal at Walter P. Moore in Houston, Texas where he has performed numerous façade assessments throughout the United States focusing on leakage, corrosion, and structural related problems of diverse cladding components. He has authored numerous articles in international journals and currently serves as an adjunct professor at the University of Houston.

Jimenez obtained his B.S. in Civil Engineering from the Instituto Tecnológico y de Estudios Superiores de Occidente in Guadalajara, México, and was awarded a graduate fellowship to attend the University of Minnesota working under the renowned Professor Theodore Galambos. Jimenez received the James F. Lincoln Arc Welding Foundation Bronze Award for his Ph.D. dissertation on Arc Welded Design Engineering and Fabrication.

PURPOSE:

Perhaps the most complicated details in a building occur where the façade and structural frame meet. The details of this interface have a significant impact on the cost of the project. The performance issues that affect the façade attachment details include: proper support of the façade elements, structural anchorage to the frame, relative movements, fire protection, waterproofing, thermal and moisture migration, air infiltration, and sound transmission.

The AISC Design Guide on façade attachments provides clear explanations of façade system fundamentals, highlights building performance issues that impact attachment design, and includes practical design examples. This short course will provide an overview of what is in the guide, highlight the key recommendations, and present many of the numerous figures and numerical examples in the guide.

HANDOUTS:

- A copy of the Seminar Course Notes
- A copy of *AISC Design Guide 22: Façade Attachments to Steel-Framed Buildings*

Steel Plate Shear Walls

SPEAKER:

Rafael Sabelli, S.E.

Rafael is Director of Seismic Design at Walter P. Moore. He is the co-recipient of the 2008 AISC T.R. Higgins Lectureship Award, and is a member of the AISC Task Committee on the Seismic Provisions for Structural Steel Buildings, the ASCE 7 Seismic subcommittee, and the NCSEA Seismic Code Advisory Committee. He is the coauthor of *AISC Design Guide 20: Steel Plate Shear Walls*, as well as of numerous research papers on conventional and buckling restrained braced frames. Rafael was the 2000 NEHRP Professional Fellow in Earthquake Hazard Reduction, and is the Past Chair of the Seismology Committee of the Structural Engineers Association of California. He is the author of two AISC Seminars and has lectured extensively for AISC throughout the country.

PURPOSE:

This short course introduces engineers to steel plate shear walls, a new system for resisting lateral forces. The system provides significant benefits over other types of shear walls, including construction speed and cost, reduced weight, and very little loss of useable floor area. The course covers the basic mechanics of the system and simple methods for its design. The course also covers the additional detailing, proportioning, and design requirements necessary for use of steel plate shear walls as a seismic system with $R > 3$. Design examples include both wind (non-seismic) and seismic design.

HANDOUTS:

- A copy of the Seminar Course Notes
- A copy of *AISC Design Guide 20: Steel Plate Shear Walls*.

SEMINAR SCHEDULE:

Thursday, March 20, 2008

7:30 AM Registration

8:00 AM Façade Attachment Seminar begins

----- Break (refreshment provided) -----

12:00 PM Lunch (provided)

1:00 PM Steel Plate Shear Wall Seminar Begins

----- Break (refreshment provided) -----

5:00 PM Seminar concludes

CONTINUING EDUCATION UNITS:

8.0 Professional Development Hours (PDHs)

PARKING:

Parking is available in the visitors lot east of the Olpin Union Building. The cost is approximately \$4 for an all-day parking pass.

REGISTRATION QUESTIONS:

Call Chandra Clyde at 801-333-7676 or send an email to seau@seau.org. Registration information cannot be taken by phone. Attendees registering within 5 days of seminar are not guaranteed handouts or lunch at the seminar. **Registration is limited to 90 people.**

CANCELLATION POLICY:

Substitutions may be made at anytime. Cancellations received 1-3 days prior to the seminar are subject to a service charge of \$25. Cancellations and "no shows" the day of the seminar will be charged the full price.

REGISTRATION FORM

DUE by 5pm on Friday 3/07/06

Name(s): _____

Company: _____

Address: _____

City: _____ ZIP _____

Phone: _____ Fax: _____

E-mail: _____

*** Note – Admittance to the seminar will be limited to the first 90 people based on receipt of paid registration. Do not procrastinate!**

REGISTRATION FEE:

		<u># Attending</u>
General	\$120	_____
Full-time Graduate Student (discount)	\$60	_____

Total Amount Enclosed: \$ _____

Partial funding has been provided by the Utah Division of Occupational & Professional Licensing from the 1% surcharge on all building permits. We wish to thank DOPL for their support!

PAYMENT:

SEAU no longer accepts credit cards. All payments must be made by check.

Please fax the registration form to 801-333-7677 attention Gloria Dearden **AND** mail a copy of the registration form along with the check (made payable to **SEAU**) to:

**SEAU Seminars
PO Box 581292
Salt Lake City, UT 84158-1292**