

DESIGN & CONSTRUCTION OF COLD-FORMED STEEL STRUCTURES

AIA REGISTERED PROVIDER: STEEL FRAMING ALLIANCE, INC



7.0

AIA/CES Program SFA 604
Learning Units/HSW*

TUESDAY, MAY 8, 2007

HOTEL PENNSYLVANIA IN NEW YORK CITY

Sponsored by SEAoNY

Structural Engineers Association of New York



Cold-formed steel construction presents a unique opportunity for multi-story structures: short to medium floor spans and repetitive room sizes are well suited to framing with cold-formed steel. Today's market for these types of structures is high, with hotels, motels, apartments, condominiums, assisted living facilities, being built at a rapid rate across the nation. With codes that provide incentives for non-combustible construction, and the quality available with steel, more and more structures are being built. How high can these structures go? What other framing members and materials work well with steel? What are some of the challenges and benefits? What are some of the mistakes that have been made, and how you can avoid them in your next project? What are some of the successes? Be armed with the resources to choose the best design and framing methods, know when to say yes and no to steel framing.

* Office of Professions of NYS recognizes AIA Registered Providers

Seminar Agenda

1.0 Load bearing wall-framing systems in multi-story construction

2.0 Lateral load resisting systems

- 2.1 X-bracing
- 2.2 Sheathing-braced shear walls
- 2.3 Proprietary systems
- 2.4 Mixed systems
- 2.5 Structural steel and concrete lateral systems

3.0 Floor systems

- 3.1 Cold-formed steel floor joists with concrete or gypsum deck
- 3.2 Composite slabs
- 3.3 Hollowcore plank floor systems
- 3.4 Wood floor systems with steel
- 3.5 Floor trusses
- 3.6 Floor diaphragms

4.0 Roof Systems

- 4.1 Roof diaphragms
- 4.2 Roof trusses
- 4.3 Aligning studs and trusses vs. load distribution members
- 4.4 Rafters and mansard trusses

5.0 Mixed systems

- 5.1 Steel framing over structural steel
- 5.2 Steel framing over concrete
- 5.3 Steel framing over post-tensioned systems
- 5.4 Floor-ceiling rating systems for mixed use
- 5.5 Party wall design and construction

6.0 Doing it right

- 6.1 Choosing the best design and framing methods
- 6.2 Know when to say yes and no to steel framing
- 6.3 Common issues in the field

About the Speakers



Don Allen, P.E.

Don Allen currently serves three active roles for the steel industry: Technical Director of the Steel Stud Manufacturers Association, Director of Engineering for the Steel Framing Alliance, and Secretary for the Cold-formed Steel Engineers Institute, a council of the Steel Framing Alliance. Mr. Allen has worked for a product manufacturer, a specialty engineer, and full-service structural engineering firm before his current affiliation with the steel industry.



**Jeffrey Klaiman, P.E.,
Principal of ADTEK Engineers**

Jeffrey Klaiman's experience includes building maintenance and engineering, on-site engineering for a concrete contractor, manager of technical services for Dale/Incor, participation in AISI's Committee of Specifications and Committee on Framing Standards. He is a member of the Board of Directors of the Cold-Formed Steel Engineers Institute of the Steel Framing Alliance (SFA) and ASTM.

Early Enrollment:

Registration fee must be paid in advance. Payment should be submitted online at www.seaony.org or in the form of a check payable to "SEAoNY." Mail registration to SEAoNY, 536 LaGuardia Place, New York, NY 10012 Attn: Cold-Formed Steel Seminar.

On Site Enrollment:

If your schedule does not permit you to register in advance, you may register on site. Although this does not guarantee that you will receive all course materials that day, they will be mailed to you 2-3 weeks after the seminar.

Location:

Hotel Pennsylvania
401 Seventh Avenue between 32nd and 33rd Street
New York, NY 10001-2062
Phone: 212.736.5000 Fax: 212.502.8712

Date and Time: Tuesday, May 8th, 2007 8:30am – 5:30pm
Registration begins at 8:00am.

A continental breakfast and lunch will be provided.

Confirmation Letter:

Registrations received at least two weeks prior to the seminar will be confirmed in writing. You should receive confirmation within 15 business days of your registration; if not, please contact: admin@seaony.org.

Continuing Education:

Earn 7 learning units/HSW

Instructor Substitution:

SEAoNY reserves the right to substitute an equally qualified instructor should an unforeseen circumstance occur.

Cancellation/Refund policy:

If you need to cancel your registration, please contact us as early as possible. There will be a charge of \$95 for cancellations within 10 business days of the seminar and no refunds for cancellations within 5 business days of the seminar. Your registration may be transferred to another individual anytime, up until the first day of the seminar. If a non-member is replacing a member's registration, the non-member is responsible for the price difference.

Dress:

Casual business attire is appropriate.

For further information, please contact us:

SEAoNY, 536 LaGuardia Place, New York, NY 10012
E-mail: admin@seaony.org

Register online at www.seaony.org or complete the form below.

(DETACH HERE)

Seminar Registration Form

Name _____
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E-mail _____

Seminar Tuition*

(check one)

- | | |
|---|-------|
| <input type="checkbox"/> SEAoNY Members before April 18: | \$225 |
| <input type="checkbox"/> SEAoNY Members after April 18: | \$245 |
| <input type="checkbox"/> Non-Members: | \$295 |
| <input type="checkbox"/> Full-time Students with valid ID | \$40 |

* Group Discount:

Three or more people from the same company attending the same seminar location and date receive a 10% discount off each enrollment fee when registering at the same time.

Mail registration with a CHECK payable to SEAoNY:

SEAoNY
536 LaGuardia Place
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Attn: Cold-Formed Steel Seminar

For further information, please contact us:

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