



Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05

COURSE DESCRIPTION:

The 2006/2009 International Building Code (IBC) and ASCE/SEI 7-05 contain detailed design requirements for wall anchorage systems to resist out-of-plane wind and seismic load effects. However, the provisions are scattered throughout the code and/or referenced standards, are material specific, and are often challenging for practicing structural engineers to apply for many practical building configurations. Using concept oriented instruction, Dr. Mays breaks down the analysis and detailing requirements separately for seismic and wind anchorage. Structural walls, nonstructural walls, parapets, and cladding are each considered separately as related to governing provisions. Solutions for high wind areas, Seismic Design Category (SDC) B, and SDC D are provided for each problem presented in the course. Example anchorage problems for connecting concrete, masonry, timber, and precast walls/panels to diaphragms composed of various materials are presented. Special provisions for subdiaphragms, continuous ties/struts, pilasters, straps, eccentric connections, and wood ledgers are included. A detailing example for economical tilt up wall anchorage using just metal decking is presented. Comprehensive examples are provided for subdiaphragms composed of wood structural panel sheathing on wood framing and metal decking on steel joists. The course is based on a new NCSEA publication titled *Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05*. All attendees will receive a special discount on *Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05* (July 15, 2010 print date).

Space is limited. Please register early.

WHAT OTHERS ARE SAYING:

"NCSEA's short course on out-of-plane load paths and detailing uses fundamental yet practical examples to illustrate the numerous code provisions dealing with wall anchorage. It is the perfect complement to *Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05*." – Clem McCarey, P.E., Engineers Design Group, Inc., and SEAMASS

WHAT DO ATTENDEES RECEIVE?

- 8.0 Professional Development Hours
- Binder of Complete Course Notes and Example Problems Worked During the Course
- Special Discount on the NCSEA Publication *Guide to the Design of Out-of-Plane Wall Anchorage: Based on the 2006/2009 IBC and ASCE/SEI 7-05* (anticipated print date July 15, 2010)
- Lunch and Morning Coffee

SCHEDULE:

7:30 – 8:00	Registration
8:00 – 8:45	Introduction
8:45 – 9:15	Wind Anchorage Demand Determination
9:15 – 9:45	Seismic Anchorage Demand Determination
9:45 – 12:00	Wind/Seismic Anchorage Demand Examples I
12:00 – 1:00	Lunch
1:00 – 2:00	Wind/Seismic Anchorage Demand Examples II
2:00 – 4:00	Wind/Seismic Detailing Examples
4:00 – 5:00	Subdiaphragms

COURSE INSTRUCTOR:

Timothy Wayne Mays, Ph.D., P.E. is President of SE/ES and an Associate Professor of Civil Engineering at The Citadel in Charleston, SC. Dr. Mays recently served as Executive Director of the Structural Engineers Associations of South Carolina and North Carolina. He currently serves as Chairman of the Structural Technical Group for ASCE SC Section and NCSEA Publications Committee Chairman. He has received two national teaching awards (ASCE and NSPE) and both national (NSF) and regional (ASEE) awards for outstanding research. He is the recipient of the 2009 NCSEA Service Award. He is a prolific speaker who sits on several code writing committees and his areas of expertise are code applications, structural design, seismic design, steel connections, structural dynamics, and civil engineering aspects of antiterrorism.

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Registration Form

DATE AND LOCATION*:

July 14, 2010 – New York City



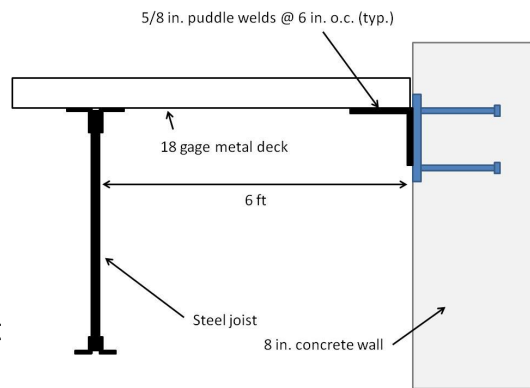
To Register, please complete the application below and fax it to SE/ES at (803) 753-9296 (or send via mail to the SE/ES address below). Confirmation packages will be delivered by E-mail. E-mail questions to SE/ES at the address listed at the bottom of this page.

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 Amount Enclosed with Check: _____
MC VISA
 Credit Card Number: _____
 Name on Card: _____
 Card Expiration Date: _____
 Signature: _____

Photo Credit: USGS (Meyer)



Photo Credit: FEMA (Pillot)



COST:
 \$299 - if received more than one week prior to event
 \$339 - if received within one week of event

\$60 discount for each additional registration from the same company (e.g., 3 people from the same company pay 1 x \$299 + 2 x \$239 = \$777)

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