



Seismology & Structural Standards Committee
Structural Engineers Association of Northern California

Time: 5:30 – 7:00 pm
Date: Tuesday, May 26, 2009
Location: *Forell/Elsesser Engineers, Inc.*
160 Pine St., 6th Floor
San Francisco, CA 94111
and on Webex

MEETING MINUTES



Chair: Nicolas Rodrigues
Vice-Chair: Geoff Bomba
Past-Chair: Andy Fennell

In Attendance:

Geoff Bomba (GB)
Tim Hart

Brian Dean (BD)
Martin Walker (MW)

Mark Gilligan (MG)
Mahmoud Talaat

via Webex

Patxi Uriz (PU)

Gary Mochizuki

Mark Sinclair

1. Vice-Chairs Announcements:

- 1.1. GB will be meeting with the Board on June 2 to discuss state of the committee.
- 1.2. New Protective Systems Subcommittee: The Protective Systems Subcommittee will be convening in the near future. The committee will continue to focus on seismic related issues and the use of high performance technology like base isolation and dampers.

2. Past Meeting Minutes

- 2.1. Meeting minutes from March approved. No meeting was held in April.

3. ICC Evaluation Committee Report – MG

- 3.1. MG Discussed the role of the ICC EC and the issue of equivalency of new systems that are going for ICC Reports. Acceptance criteria of systems was discussed at the meeting as being an issue for the subcommittee to look into.
- 3.2. Structurally Insulated Panels (SIPS) are a system that is currently under review by ICC. Structurally Insulated Panels (SIPs) which typically consist of foam insulation sandwiched between OSB sheathing have found there way into the IRC.

4. Subcommittee reports

- 4.1. Ground Motion Sub-Committee: MW stated that there was discussion on the 1%/50 year collapse potential during the design earthquake and the 10% collapse probability listed in ATC-63 during the MCE. Open discussions have occurred between SE, GE, and Seismologists. The committee has had participation from notable ground motion experts. A focus of the committee will be to create a white paper to educate practitioners on the changes with new codes and the state of the current practice.
- 4.2. Light Frame Sub-Committee: GM gave a presentation on the status of the anchor bolt testing for light-frame applications. GM will be in Japan soon to see the NEES testing of full scale building with 6 stories of wood construction. His trip is partially sponsored by SEAONC Seismology.
- 4.3. Steel Sub-Committee: GB and PU discussed a recent subcommittee meeting where a new document titled, “Recommended Design Guidelines for SMRF,” written by SEAOSC was discussed. One of the recommendations that reduces the IMF allowable drift δ_x (formally Δ_m) by one half the code allowable.
- 4.4. Performance Based Design of Tall Buildings Sub-Committee: BD shared information on the paper that the subcommittee is writing for the SEAOC convention. The paper is a survey of different firms performance based design criteria, building lateral systems, and code interpretations.

5. New Business / Open discussion

- 5.1. Next Meeting to be held on June 23 at DeSimone.

Respectfully Submitted,

Nicolas Rodrigues
Chair 2008-2009