



MINUTES

STRUCTURAL COMMITTEE MEETING

February 14, 2008

1:00 pm to 3:00 pm

Los Angeles County Building, Conference Room B
900 S. Fremont Ave., Alhambra



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STEVE LAM, S.E.
Senior Civil Engineer
County of Los Angeles, CA

Chair: Steve Lam (LA County) Secretary: Eric Browning (LA County)

Committee Members Present:

Steve Lam, Eric Browning, Mazen Dudar, Jae Lee, Karyn Beebe, Jameson Lee, Nathan Johnston, Gene Logan, Timothy Koutsouros, Eddie Yamamoto, Victor Cuevas, Philip Yin, Juliet DeMoss

ICC Board Members Present:

None

SEAOSC Committee Members Present:

James Lai (Building Code)
Richard Hess (Building Code)

DOCUMENT HANDOUTS:

- Meeting Agenda
- Structural Committee Members Contact List
- IR 16-7 Wind Load Determination – Alternate Method
- S172 – Proposed Changes to the 2006 Edition of the IBC
- Proposal to Revise the 2005 Edition of ASCE 7 on Sections 12.12.3 and 12.14.8.5

MEETING AGENDA

- 1.0 Introduction
- 2.0 Review of contact list for accuracy
- 3.0 Committee's goals and objectives - Board Directives.
 - Update structural correction sheets (residential, apartment, and commercial).
 - Code interpretation of structural issues.
 - Create bulletins and handouts
 - Means of communicating
- 4.0 Working with other SEAOSC committees
- 5.0 Volunteer/Assignment of duties.



- Electronic copies of correction sheets from various jurisdictions will be forwarded to committee members to start working.

6.0 ICC Code Hearing at Palm Spring. February 17 – March 1:

- Structural- 2/24/08 to 2/27/08.
- James Lai to present some of the proposed amendments.

7.0 Open discussions

8.0 ESTABLISH NEXT MEETING TIME AND LOCATION. To be determined.

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DISCUSSION/COMMENTS:

1. Steve began with introductions and asked for self-introduction around the table.
2. Steve passed around the contact list for all in attendance and asked members to review and update their contact information.
3. Committee's Goals and Objectives-Board Directives.
 - Steve proceeded to discuss how the committee's goals and objective should match the Board's directives.
 - Steve and others indicated that with regard to the structural correction lists, many varied versions are floating around. An attempt will be made to consolidate to a uniform correction list.
 - Mazen asked for clarification about correction lists. Steve said the idea is to create uniform correction lists to help smaller jurisdictions and also serves as a benefit to larger jurisdictions. He then proposed an idea to split the structural committee to tackle different issues simultaneously
 - Philip asked if the committee wanted to address other code provisions such as soils report requirements, special inspections, etc. and that we should come up with a list of items, prioritize them, and divide the work among sub-committee.
 - James noted that SEAOC would be happy to provide help on code interpretations.
 - Steve said he would gather all available correction sheets from southern California jurisdictions and forward electronically to everyone.

Action Item: Steve to gather all available correction sheets from Southern California jurisdictions and forward to committee members electronically.



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- Victor indicated City of LA would be willing to share their correction lists as well.

Action Item: Victor to provide City of LA’s correction sheets to Steve.

- Jameson pointed out that there are two major issues, wind loads and soils report requirements. He mentioned soils are being dealt with by city of Santa Monica and City of LA is working on developing an Information Bulletin for the soils reports. Steve noted that LA County has also created a policy regarding soils reports.
- Karyn suggested tackling the agenda by breaking up the chapters and looking at correction sheets and interpretations.
- Jameson identified some of the detailed correction lists created by City of LA such as steel and concrete moment frame, which could apply to any structure, such as multifamily, commercial or industrial.
- Jae suggested creating sub-categories in each correction list. i.e., concrete – moment frame, structural slab, etc.
- Philip agreed and mentioned that the ADA correction lists are broken down in a similar fashion.
- Steve summarized the conversation to this point and Mazen asked how the individual items will be re-integrated to create comprehensive correction sheets for certain occupancies.
- Steve responded by using wood as an example and suggested assembling them logically such as by material vs. occupancy..
- Jae directed a question to LA County and LA City about how flexible each is to use correction lists created in this committee.
- Mazen said most corrections are directly out of code and 10% maybe is interpretation and jurisdictions have authority to pass judgment based on interpretative items.
- Jameson pointed out that flexibility should not be a major concern, but rather creating the correction lists to disseminate to smaller cities.
- Jae indicated that typically smaller cities adopt LA County amendments.
- Gene agreed and reiterated that the goal of the committee is to come up with uniform corrections.
- Jameson said that an attempt to be compatible with other cities correction sheets is desirable throughout the region.



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- Steve mentioned that most items in the structural committee correction sheet would be adopted by both LA City and LA County and Mazen agreed.
- Mazen said controversial items would be decided on by cities on a case-by-case basis.
- Steve pointed out that we already have many correction sheets available to us, which is an advantage. Regarding interpretations, he thinks it is important to have a uniform interpretation from committee.

4. There was a brief discussion about the possibility of working with other committees to share information, including SEAOC. Steve indicated that there are mutual benefits for working with SEAOC committees in accomplishing our missions.

5. Volunteer/Assignment of duties.

- Steve asked for peoples' interest in chapters, and noted that 16 and 23 are the most work intensive.
- Richard asked if we could break out the non-building and non-structural from chapter 16.
- Jae said maybe people should specify what area of interest they have vs. assigning by chapter.
- Jameson asked about communication between subcommittees.
- Philip suggested the best method of communication was through emails between regular committee meetings..
- Jameson suggested meeting as a whole and breaking into sub-groups after the main committee meeting.
- Steve asked how frequently we should meet? Suggestions were 2-week and 1-month intervals.
- Karyn asked if there is a timeline to achieve goals?
- Steve responded with no set timeline, but said that the ICC LA Basin Chapter Board would expect monthly progress reports.
- Juliet suggested there should be chair of each subcommittee and the chair should attend committee meetings.
- James asked how many pages are in the structural correction lists and Jameson said that for the City of LA, all structural lists are about 30-50 pages. Jameson suggested the idea that committee checklists would be used to help designers design prior to plan check.



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- Eddie said correction sheets should be quick and dirty and interpretations should be more important and Steve agreed.

- Chapters were assigned voluntarily as follows:

Chapter 16 – Richard Hess, Juliet DeMoss, Jameson Lee, Philip Yin, Gene Logan

Chapter 17 – May be taken by Inspection Committee

Chapter 18 & 19 – James Lai, Steve Lam, Eric Browning, Philip Yin, (Henry Huang?), Nate Johnston

Chapter 21 – Victor Cuevas, Jae Lee, Steve Lam, Eric Browning

Chapter 22 – Victor Cuevas, Troung/Philip, Gene Logan

Chapter 23 (Type V Sheet) – Karyn Beebe, Eddie Yamamoto, Mazen Dudar, Tim (Tom Van Dorp)

- James said that Chapter 18 would be completely reorganized in next code
- Steve asked what we should expect, or prepare for the next meeting and said that the entire committee will meet in 1-month but the subcommittees would meet in two weeks.
- Jameson suggested Steve ask for other cities correction sheets when he sends out email with the correction sheets we already have.
- Mazen asked what progress is expected at the 1-month meeting. Steve indicated to set as a goal for all subcommittees to have all correction sheets, segregate out their topics and create a complete list in Microsoft Word format to bring to the next meeting.
- Mazen said subcommittees should meet twice before the main committee meeting, but group thought that was too much time in between.
- Richard was worried that there would not be enough time if we try to meet in 1-month.
- Steve suggested for the subcommittees to meet once before the entire committee meets again in 1 month.

Action Item: subcommittees to meet once before the committee meets again in 1 month.



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- Steve next moved on to code interpretations: Chapter 18, Soils Reports; Chapter 23, wood special inspection; ACI 318- Appx. D regarding anchor bolt strength.
- James mentioned edge distance calculations per Appendix D and indicated that it is not for seismic. He said calculated loads are really low based on edge distance.
- Tim said Tom Van Thorp is working on the above issue and will share the information with the committee.
- Steve noted that another issue is structural connection to wall based on required collapse and structural independence
- Steve mentioned Chapter 23 and noted that floor joists close to finished grade are to be treated. (2304.11.6)
- Jameson recalled a discussion from a previous committee but indicated that no determination was made.
- Philip asked about shear wall ratio 3.5:1 for narrow shear wall panels. Steve responded by stating that the concept of maximum length ratio needs to be discussed as well.

6. ICC Hearing at Palm Springs

- Steve asked James Lai to update the committee on some of the code provisions he is working on for the ICC code hearing.

• James Lai:
IR 16-7 – Alternate Wind Load – limited to simple diaphragms.
Change IR 16-7 to limit it to 75 feet.

James indicated that there is a petition from SEAOC to BSC to adopt simplified wind provisions.

Asks for Support on 84 and 85.

Item 92 Building Separation – ASCE 7-05 uses “I” in denominator, but SEAOC thinks “I” should be neutralized and should not be included. In LARUCP, we took out the “I”. Will likely be opposed by NCESA.

Item S-172 – by PCA on tilt up walls panels and intermediate pre-cast wall system. SEAOC feels that anchorage of reinforcing bars, shear strength, and boundary conditions are important. BSC endorsed ASCE and ACI, but SEAOC will present floor amendment.

- Steve thanked James and Richard stated that these problems are unique to our part of the country.

7. Open Discussion:



- Gene suggested that maybe ICC Basin Chapter Board could write a letter to LA City Mayor to let a few people from LA City to attend the Code Hearings.
- James asked committee for support at the Code Hearings.

8. **Next Meeting: March 13, 2008 2:00 PM – 4:00 PM**
Location: LA County Dept. of Public Works, Alhambra Room
9. Meeting adjourned at 3:15 PM

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