

MEETING MINUTES

Tuesday, May 29

1:00 p.m. to 4:00 p.m.

L.A. County Building, Alhambra Room, 900 S. Fremont Avenue, Alhambra

PRESENT: Tom Van Dorpe
Steve Lam
Ed Alexanian
Truong Huynh
Philip Yin
Forest Nishiyoka
James Lai
Ben Yousefi
Les Cho
William Chern
Mehran Pourzanjani

MEETING AGENDA

1. Introduce committee members not present for the first meeting.
2. Assign a lead person or group to chapters not yet selected.
3. Discuss the major changes identified by committee members.
4. Provide update on Philip's participation with SEAOSC Seismology committee meeting on May 23 and committee's initial position to Chapter 16 of LARUCP Resolution (Updated 7-11-02)
5. Evaluate LARUCP Resolution (Updated 7-11-02) for Chapter 16.
6. Establish tasks to complete for the next scheduled meeting.
7. Open discussion of any new business from committee members.
8. Determine next meeting time, location and agenda.
9. Adjourn.

DOCUMENT HANDOUTS:

- **LARUCP** resolution (Structural May 16, 2002)
- Initial responses from SEAOSC Seismology Committee regarding Chapter 16 (**LARUCP** 16-1 to 16-7) of **LARUCP** resolution
- Interpretation request from Robert Bachman (NCSEA Seismic Committee) regarding **Section 12.12.3 of ASCE 7-05** (building separation)

DISCUSSION/COMMENTS:

1. Agenda 1.
 - Self-introduction

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2. Agenda 2

- Steve Lam, Ben Yousefi and Tom VanDorpe volunteered to be the lead persons for Chap 23.
- Accordingly, all input and comments related to Chap 23 should be forwarded to any of the lead persons who will then organize and present the materials to the committee for discussion and/or review.
- Lead person(s) for Chap 16 is Philip Yin.
- Lead person for Chap 22 is Truong Huynh.
- Chap 17, 18, and 19 are still outstanding.
- See attached email distribution list for contact information of the lead person.

3. Agenda 3

- Co-Chairperson requested that this agenda be discussed towards the end of the business meeting or carried forward to the next session. The Committee Members present selected the later choice.
- Subject brought up for future discussion include but not limited to the omission of the building separation requirement, the determination of height measurement for lateral system such as steel moment frame located over podium slab (common for apartment buildings), rigid vs. flexible diaphragm, or possible alternate wind design using 1997 UBC for low-rise buildings (provided it can be justified as being more restrictive than the proposed code).
- Interpretation request from Robert Bachman regarding **Section 12.12.3 of ASCE 7-05** (building separation) was discussed at greater length. The Committee agrees with the request and recommends that an amendment to ASCE 7-05 shall be made regarding building separation.

4. Agenda 4

- Philip Yin briefed the Committee about his participation with the SEAOSC Seismology Committee meeting on May 23. The Seismology committee supports the effort and will send representatives to participate in future meetings.
- Both James Lai presented SEAOSC Seismology Committee's initial position on LARUCP amendments to Chap 16. Mehran Pourzanjani provided additional inputs and comments.

5. Agenda 5

- Seven items (LARUCP 16-1 to 16-7) were discussed and evaluated by the Committee with the following recommendations:
 - 1) LARUCP 16-1: Basic load combinations have been addressed by 2006 IBC/2007 CBC and ASCE 7-05, therefore LARUCP 16-1 is no longer relevant. The Committee will recommend to the ICC LA Board Members that LARUCP 16-1 should be removed.
 - 2) LARUCP 16-2: Near source effects are included in 2006 IBC/2007 CBC and on USGS National Seismic Hazard Maps. Model codes for steel design are referenced in 2006 IBC/2007 CBC. The Committee will recommend to the ICC LA Board Members that LARUCP 16-2 should be removed.
 - 3) LARUCP 16-3: Model codes for steel design referenced in the 2006 IBC/2007 CBC will be the AISC Seismic Provisions and AISC Structural

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Steel Specification. In the Los Angeles region, those steel detailing requirements had to be direct to the AISC Seismic Provisions and not the model codes. The Committee will recommend to the ICC LA Board Members that LARUCP 16-3 should be removed.

- 4) LARUCP 16-4: Story drift calculations and limits are updated in the 2006 IBC/2007 CBC and ASCE 7-05. While the Committee recognized the limitation created by the more restrictive drift limits will have an adverse impact on high-rise design, particularly in steel where drift is the governing design criteria, the Committee could not reach a consensus on their proposed recommendation. Further discussion will be continued during the next meeting. Tentatively, the Committee is leaning towards recommending to the ICC LA Board Members that the story drift limit stated in LARUCP 16-4 should be removed, provided however that a minimum base shear is considered when determining story drift.
- 5) LARUCP 16-5: Maximum allowable diaphragm shear for determining the depth of the sub-diaphragm is addressed by 2006 IBC/2007 CBC and ASCE 7-05. The Committee recognizes that the 300 plf limit as stated in the LARUCP 16-5 is very restrictive. Considering the increased design values in the IBC, it may be appropriate to remove the limit on the sub-diaphragm. However, a major portion of the Committee feels that there is still a need to limit the maximum spacing of the continuous ties. It was indicated that a 30 feet o.c. spacing of continuous ties is being proposed by the City of San Francisco. Furthermore, the Committee does not want to ignore the studies conducted by the LA Task Committee as a result of the 1994 Northridge EQ that made these recommendations. Jameson Lee will talk to the APA Regional Engineer regarding sub-diaphragm spacing. Tom VanDorpe and James Lai will contact SEAONC and City of San Francisco for more information. New findings to be reported back to the Committee during next meeting for further discussion.
- 6) LARUCP 16-6: This amendment provided additional limitation on the use of IMRF, OMRF and Steel Ordinary Braced Frames. However, the 2006 IBC/2007 CBC and ASCE 7-05 have addressed those provisions. The Committee will recommend to the ICC LA Board Members that LARUCP 16-6 should be removed.
- 7) LARUCP 16-17: The 2006 IBC/2007 CBC and ASCE 7-05 do not address seismic design provisions for hillside buildings. The Committee feels that there is merit for this amendment as it addresses hillside designs. The Committee will recommend to the ICC LA Board Members that LARUCP 16-7 should be kept and moved forward for adoption for those jurisdictions in need of provisions to address hillside construction.

6. Agenda 6

- All Members shall continue to review Chap 16 and forward their comments or questions to the lead person (Philip Yin).
- The lead persons will compile and consolidate all comments and present to the committee for discussion.

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7. Agenda 7

- Ben Yousefi raised questions regarding drift limits, base shear, building separation and steel MF over the podium level. Ben forwarded to the Committee zip files containing proposed amendments to the ASCE 7-05. For the next meeting, Ben will provide a summary of the major proposed changes to ASCE 7-05. Discussion to follow on whether or not the Committee should consider adopting those amendments.
- Tom Van Dorpe raised questions regarding the thickness of P.T. slab on grade and if design criteria, such as R factors, dead and live load, seismic coefficient, etc. should be shown on the construction drawings and whether or not it is considered as required information on the construction documents.

8. Agenda 8

- Next meeting time and location (confirmed by Steve Lam on May 30): June 12 (Tuesday), 1:00 PM to 4:00 PM at the Plan Check Conference Room on 3rd floor in the Building and Safety Division side (south side).

9. Adjourn

- The meeting adjourned at 4:30 PM.