



ICC LA BASIN CHAPTER STRUCTURAL CODE COMMITTEE



MEETING MINUTES

Tuesday, August 7, 2007
9:00 a.m. to 4:00 p.m.
L.A. County Annex Building
1st Floor Conference Room
900 S. Fremont Avenue, Alhambra

ATTENDEES:

Chairpersons Present:

Truong Huynh
Philip Yin

Committee Members Present:

Steve Lam, Forest Nishiyoka, Ben Yousefi,
Jameson Lee, Ed Alexanians, Ben Ling,
Mazen Dudar

ICC Board Members Present:

Steve Ikkanda

STAKEHOLDERS IN AUDIENCE:

SEAOSC Committee Members Present:

James Lai (Seismology)

Structural Engineers Present:

Mikhail Gershfeld (APA)

Other:

Ben Schmid

DOCUMENT HANDOUTS:

- LARUCP Recommendation on Existing 2002 Amendments (updated 8/06/07)
- LARUCP Recommendation on New 2007 Amendments (updated 8/06/07)
- LARUCP Tentative Meeting Schedule (updated 7/30/07)
- Proposed Drafts of 2007 LARUCP (16-01, 16-02, 16-03, 16-04, 16-05, 16-06, 16-XX-a, 22-XX-a, 22-XX-b)
- Proposed Drafts of 2007 LARUCP by James Lai (16-xx- (1613.8-rev. 2); 19-xx- (1908.1.17-rev. 1))
- Email by Ben Yousefi – Modify ACI 318 sec. 21.4.4.1 and 21.9.4; Modify ACI 318 by adding sec. 21.4.4.6 and 21.4.4.7; Delete sec. 1908.1.14, 1908.1.15 of CBC, and modify sec. 1909.
- Shear wall testing information provided by Ben Schmid

MEETING AGENDA

1. Introduce new member(s) not in attendance in previous meeting(s).
2. Approval of minutes of previous meeting.
3. Assign a lead person(s) to material chapters not yet selected.



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- Chap 20 and 21 remain unassigned
- 4. Discuss existing business from previous meeting.
 - Truong will present the tentative schedule of when certain remaining material chapters are to be discussed and reviewed.
 - Change of meeting time from 9 am to 4 pm.
 - Truong will discuss what amendments have been drafted to date.
 - Assigned lead persons for each chapter will assist in drafting up the proposed amendments.
 - Discuss remaining LARUCP 23-16 and 18.
- 5. Review existing LARUCP amendments related to Chapter 17 and 19.
- 6. Open discussion of any new business.
- 7. Establish tasks to complete for the next scheduled meeting.
- 8. Determine next meeting time and location.

DISCUSSION/COMMENTS:

1. Introduce new member(s) not in attendance in previous meeting(s).
 - Ben Schmid was introduced as a first time participant at the meeting.
2. Approval of minutes of previous meeting.
 - Approval of minutes of previous meeting was postponed to the afternoon session because some members could not attend the morning session.
 - Philip asked the members present to approve the previous meeting minutes. Mikhail requested an amendment to clarify his statement made regarding APA's shear panel testing data. Truong made a motion to approve with suggested modification by Mikhail; Ben Yousefi second the motion. Motion was approved with modification.
3. Assign a lead person(s) to material chapters not yet selected.
 - Lead persons for Chap 16 are Philip Yin and Jameson Lee.
 - Lead person for Chap 17 is Steve Lam.
 - Lead person for Chap 18 is Hassan Alameddine.
 - Lead persons for Chap 19 are Ben Yousefi and James Lai.
 - Lead person for Chap 22 is Truong Huynh.
 - Lead persons for Chap 23 are Ben Yousefi, Steve Lam and Tom VanDorpe.
 - Lead person for Chap 34 is Steve Ikkanda.
 - Chap 20 and 21 are still outstanding.
 - See attached email distribution list for contact information of the lead person(s).

Action Item 1: Any and all inputs or comments related to Chap 16, 17, 18, 19, 22, 23 and 34 should be forwarded to any of the designated lead persons who



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will then organize and present the materials to the committee members for discussion and/or review. Lead person should provide a quick bullet point summary of topics to be discussed and email them to either Philip or Truong for incorporation in the next meeting agenda.

4. Discuss existing business from previous meeting.
 - Philip presented a revised tentative schedule for certain remaining material chapters to be discussed and reviewed. The committee will meet next Tuesday (08/14) starting at 9:00 AM. Advanced distribution via e-mail of proposed amendment is encouraged.
 - Philip discussed drafted amendments on existing LARUCP items of Chapter 16 and 23, and proposed new LARUCP items of Chapter 16 and 23.
 - 2007 LARUCP 16-01: Motion made to remove “and may be taken 1.2 times....” from the proposed amendment.
 - Ben Yousefi and Steve Lam will coordinate with each other to draft up the proposed amendments of Chapter 23.
 - Discussion of LARUCP 23-16 and 23-18 was postponed to the afternoon session.
5. Review existing LARUCP amendments related to Chapter 17 and Chapter 19.
 - LARUCP 17-1, 17-2, 17-3 and 19-1 were discussed. Based on the committee’s discussion, the following recommendations are summarized:
 - LARUCP 17-1: Recommendation to remove first item: 5.2 Lateral force... and keep 2nd item: 11. Piling... and grade beam. This revision is assigned “2007 LARUCP 17-01.” Truong indicated that Steel Committee supports this recommendation. IBC Section 1708.2 and 1708.4 makes the appropriate references to AISC 341 and AWS D1.1 for non-destructive testing for welding of structural steel used as part of the lateral-force-resisting systems.
 - LARUCP 17-2: Recommendation to revise item 3 and bring this forward to the new code. The exception is to be strike out from the previous amendment. This revision is assigned “2007 LARUCP 17-02.”
 - LARUCP 17-3: No longer needed. Ben raised a concern if certain welding action would be omitted or no longer examined if removed. Truong indicated that he believes this is adequately covered under AISC 341 Appendix Q or W (quality assurance plan and welding provision). To be discussed one last time before finalizing.

Action Item 2: Truong to review and present back to committee.

- LARUCP 19-1: No longer needed. Recommend **NO**.



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6. Open discussion of any new business.
- Committee began to discuss new code amendment proposals. The following is a summary of the various discussions:
 - 2007 LARUCP 23-06. Section 2308.12.1 was discussed again. The original discussion was whether or not the committee can make a recommendation that is more restrictive than that specified by HCD. The prevailing opinion was that local jurisdictions could be more restrictive. This is true with previous amendments. Recommend striking out the exception made by HCD.
 - 2002 LARUCP 23-10. This existing LARUCP was discussed again. Ben Schmid was given the floor to discuss his overriding concerns regarding the tentative direction of the committee on this amendment. Ben, previous member of Task Force that made original recommendation, provided the committee with materials to reiterate the problems associated with wood shear panel. After Ben's presentation, the committee took their final position on 4 items related to this existing amendment.
 1. To apply the "Directly to Framing" statement or to allow the framing to occur over 1/2 or 5/8 inch plywood. Committee recommends **YES**.
 2. To apply the 25% reduction of allowable shear values. The emphasis was more towards fire-life safety as oppose to damages in building. Mikhail reiterated that APA has no position on this recommendation. Committee recommends **NO**.
 3. To apply the 200 plf limitation to 3-ply plywood. The committee reverts from its previous position and now recommends **YES**.
 4. To apply the previous footnote 4 into the new amendment. The committee recommends **YES**.
 - Stapled shear wall. The question before the committee is whether or not to apply the 25% reduction to stapled shear wall. The previous rationale for apply the 25% reduction in nailed shear wall was that there were not sufficient cyclic test data to justify the values. Staples typically are smaller than nails, may easily be subject to rust when plywood is wet, or staples lack sufficient bearing surface against plywood panel as oppose to nail. Further discussion on this subject at the next meeting.

Action Item 3: Mikhail will send any info that APA may have to committee member for review.
 - 2007 LARUCP 19-01. With the final presentation by James, the committee recommends YES on approving the proposal. James to make minor correction on equation.
 - 2007 LARUCP 19-02. ACI 318 Section 21.2.1.4 was discussed. James informed the committee that SEAOSC Seismology did not make a recommendation regarding this proposal. For the purpose of the southern CA region which is predominantly in Seismic Design Category D and above, this proposal will not



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- have any adverse impact. Philip motion to approve. Proposed language will strike out the word “intermediate.”
- 2007 LARUCP 19-03. Additional seismic provision to the concrete chapter is proposed. These recommendations are consistent with what DSA and OSPHD adopted. Committee to recommend **YES**. SEAOSC Seismology supports the recommendation.
 - 2007 LARUCP 19-04. The deletion and replacement of 1909 structural plain concrete is consistent with what DSA and OSPHD adopted. The minimum compressive strength for any structural support should be 2,500 psi. Anything less is not appropriate, particularly considering that the LA region is a higher seismic region with varying topography and soil conditions. Committee to recommend **YES**. SEAOSC Seismology supports the recommendation.
7. Establish tasks to complete for the next scheduled meeting.
- The committee will continue to discuss drafted items of LARUCP Chapter 23 at the beginning of next meeting and LARUCP Chapter 18, 21 and 22.
8. Determine next meeting time and location.
- August 14 (Tuesday), 9:00 AM to 5:00 PM at the **2nd floor** of the Annex Building.

Note: The Annex Building is a 3-story building located to the north east of the Headquarters Building within the same DPW site. Park on the east side of the parking lot and you will see it.

ACTION ITEMS (FOLLOW UP) AND RESPONSIBLES:

1. Ben/ Steven will complete drafts for new Chapter 23 amendments and email them to the committee members for review.
2. James will complete drafts for new Chapter 19 amendments and email them to the committee members for review.
3. Truong will complete drafts for new Chapter 22 amendments and email them to the committee members for review.
4. For existing 2002 LARUCP 17-3, Truong to review welding criteria and present back to committee.
5. Mikhail will send any info that APA may have to committee member for review.

NEXT MEETING:

August 7 (Tuesday), 9:00 PM to 5:00 PM at the **2nd floor** of the Annex Building.