



ICC LA BASIN CHAPTER STRUCTURAL CODE COMMITTEE



MEETING MINUTES

Tuesday, August 21, 2007
1:00 a.m. to 4:00 p.m.
L.A. County Building
3rd Floor, Plan Check Conference Room
900 S. Fremont Avenue, Alhambra

<p><u>ATTENDEES:</u></p> <p>Chairpersons Present: Truong Huynh</p> <p>Committee Members Present: Steve Lam, Forest Nishiyoka, Jameson Lee, Ed Alexanians</p> <p>ICC Board Members Present: none</p>	<p><u>STAKEHOLDERS IN AUDIENCE:</u></p> <p>SEAOSC Committee Members Present: James Lai (Seismology)</p> <p>Structural Engineers Present: none</p> <p>Other: Ben Schmid</p>
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DOCUMENT HANDOUTS:

- LARUCP Recommendation on Existing 2002 Amendments (updated 8/20/07)
- LARUCP Recommendation on New 2007 Amendments (updated 8/20/07)
- Proposed Drafts of 2007 LARUCP.
- Wind Provision Code Proposal dated 07-08 by James Lai.
- Chapter 17 Summary by Jonathan Roberson.
- Shear Walls and Diaphragms with Staples as Fastener dated 8/20/07 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. Discuss existing business from previous meeting.
 - Review and finalize all proposed drafted amendments.
 - Committee to make final recommendation on 25% reduction of staple shear wall.
 - Truong to discuss whether or not to require NDT for seismic demand critical welds in tension.
 - Any further discussion on F.E.M.A. and CALBO's position on I.E.B.C.



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4. Open discussion of any new business.
 - Any other draft proposal is open for discussion.
5. Establish tasks to complete for the next scheduled meeting.
6. Determine next meeting time and location.

DISCUSSION/COMMENTS:

1. Introduce new member(s) not in attendance in previous meeting(s).
 - No new introduction done.
2. Approval of minutes of previous meeting.
 - Approval of minutes of previous meeting dated 8/7/07 was postponed. Truong will email to the rest of the committee for approval via email instead.
3. Discuss existing business from previous meeting.
 - Recommendation on NDT: The concern with regards to NDT for possible PJP welds on tension connections such as brace to gusset plate connections are not warranted. In most cases, AISC 341 will adequately address the issue thereby negating the need to have prescriptive requirements. Should the problem actually arise and becomes a major concern, the committee will take this issue up through the form of an information bulletin.
 - Commentary on FEMA/CALBO position on I.E.B.C.: Committee agree that this should be taken up on an individual basis by each jurisdiction and will not be part of the review process of this committee.
 - Shear wall with staple fasteners: Ben Schmid gave a brief presentation on the issue of permitting the full allowable shear wall values as prescribed in the code. A demonstration was made to reflect the ease of bending a 16 gage staple fastener. Further discussion was made regarding the lack of cyclic test data to substantiate the allowable shear values. No other available data could be found to document the performance of shear walls with staple fasteners under cyclic conditions in higher seismic regions. The committee tentatively recommends that the 25% reduction in values of the shear wall with staple fasteners be applied due to the lack of data to support and justify the use under cyclic conditions. This recommendation is in keeping with the recommendations made previously by the LA City / SEAOSC Task Force during the 1994 Northridge Earthquake regarding allowable shear values for wood structural shear wall panels.
 - Review 2007 LARCUP 16-01. Remove the I-factor from the equation to be consistent with the proposed recommendation sent to ASCE 7. The I-factor in the denominator has the effect of reducing the separation distance for buildings with occupancy deemed to be important. **To be renamed as LARUCP 16-10.**



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- Review 2007 LARCUP 16-02. No further review needed. Include language on the finding to reflect conditions such as weather and erosion of soil. **To be renamed as LARUCP 16-03.**
- Review 2007 LARCUP 16-03. Code section referenced should be 12.11.2.2.3 and not 12.11.2.3. Move/relocate the “return wall” provisions to 12.12.4. **To be renamed as LARUCP 16-09.**
- Review 2007 LARCUP 16-04. No further review needed. Move into code section 12.8.1.1. **To be renamed as LARUCP 16-06.**
- Review 2007 LARCUP 16-05. No further review needed. Move into code section 12.8.7. **To be renamed as LARUCP 16-08.**
- Review 2007 LARCUP 16-06. Ed to provide additional language to further substantiate the findings needed for this amendment. **To be renamed as LARUCP 16-04.**
- Review 2007 LARCUP 16-07. Need to complete the drafting of this amendment. **To be renamed as LARUCP 16-05.**
- Review 2007 LARCUP 16-08. Minor editorial revision needed to reflect when lateral bracing design of the ceiling is required. **To be renamed as LARUCP 16-02.**
- Review 2007 LARCUP 16-XX-b. Title up panel will be dropped. Not enough support and agreement on applying this provision. If issue should arise, it will be dealt through an information bulletin process.
- Review 2007 LARCUP 17-01. Done. No further review needed. **To be renamed as LARUCP 17-03.**
- Review 2007 LARCUP 17-02. Done. No further review needed. **To be renamed as LARUCP 17-04.**
- Review 2007 LARCUP 17-03. Needed to additional language to strengthen the reasoning. **To be renamed as LARUCP 17-01.**
- Review 2007 LARCUP 17-04. Needed to additional language to strengthen the reasoning. **To be renamed as LARUCP 17-02.**
- Review 2007 LARCUP 18-01. Further review needed.
- Review 2007 LARCUP 19-01. Done. No further review needed.
- Review 2007 LARCUP 19-03. Reasoning to be added to complete this document. **To be renamed as LARUCP 19-02.**



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- Review 2007 LARCUP 19-04. Reasoning to be added to complete this document. **To be renamed as LARUCP 19-03.**
 - Review 2007 LARCUP 22-01. Done. No further review needed.
 - Review 2007 LARCUP 22-02. Done. No further review needed. **To be renamed as LARUCP 16-07.**
 - Review 2007 LARCUP 23-01. Need to adjust size of hold-down washer plate to match the 2007 CBC. **To be renamed as LARUCP 23-02.**
 - Review 2007 LARCUP 23-02. Done. No further review needed. **To be renamed as LARUCP 23-01.**
 - Review 2007 LARCUP 23-03. Revise the table to reflect the 25% reduction in allowable shear values with staple fasteners. **To be renamed as LARUCP 23-04.**
 - Review 2007 LARCUP 23-04. Done. No further review needed. **To be renamed as LARUCP 23-03.**
 - Review 2007 LARCUP 23-05. Done. No further review needed. **To be renamed as LARUCP 23-06.**
 - Review 2007 LARCUP 23-06. Need to add table to reflect reduction in values for gypsum board and stucco. **To be renamed as LARUCP 23-05.**
4. Open discussion of any new business.
- Chapter 17 Summary handout by Jonathan Roberson was discussed. Much of the information presented herein is useful. For the purpose of code adoption, items such as the structural observation is already considered for amendment. For other items, the committee has decided to take the approach of an information bulletin if certain items that need to be address due to issue of clarity or enforcement.
 - Wind Provision: James introduced a tentative draft of an alternate wind design provision that is being submitted on behalf of SEAOC Ad Hoc Wind Committee to ASCE. However, due to the fact that this may be received as a reduction in the prescriptive requirement of the CBC, the committee will not consider it at this time. The committee may consider addressing this issue as an information bulletin.
5. Establish tasks to complete for the next scheduled meeting.
- The committee will review the tentative final draft to be sent by Truong. Any editorial changes that are needed should be forwarded to either Truong or Philip. Anticipate completing the final document by mid Sept.
6. Determine next meeting time and location.



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- September 4, 2007 (Tuesday), 1:00 PM to 4:00 PM at the **3rd floor** of the main LA County Building.

ACTION ITEMS (FOLLOW UP) AND RESPONSIBLES:

1. Truong will compile all new LARUCP into one document and send to committee members for review and any last comments.
2. Mikhail will send any info that APA may have to committee member for review on staple fasteners in shear walls.

NEXT MEETING:

September 4, 2007 (Tuesday), 1:00 PM to 4:00 PM at the **3rd floor** of the main LA County Building, unless noted otherwise.