



MINUTES

STRUCTURAL COMMITTEE MEETING

May 8, 2008

9:30 pm to 11:30 pm

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



BOARD OF DIRECTORS:

PRESIDENT

CRAIG JOHNSON, C.B.O.
Building Official
Culver City, CA

VICE PRESIDENT

ROY ITANI, P.E.
District Engineer
Los Angeles County, CA

2nd VICE PRESIDENT

GEORGE CHAVEZ, C.B.O.
Assistant Director of
Community Development
City of Beverly Hills, CA

TREASURER

NEVILLE PEREIRA, P.E.
Civil Engineer
City of Glendale, CA

SECRETARY

TRUONG HUYNH, P.E.
Engineering & Development
Services Officer
City of Long Beach, CA

COMMITTEES:

ADMINISTRATION CHAIR

HENRY HUANG, P.E., C.B.O.
Building Official
City of Tustin, CA

DISABLED ACCESS CHAIR

EWA O'NEAL, P.E.
Structural Engineering
Associate IV
City of Los Angeles, CA

FIRE-LIFE SAFETY CHAIR

STUART TOM, P.E., C.B.O.
Building Official
City of Glendale, CA

INSPECTION CHAIR

DALE WIERSMA
Principle Building Inspector
City of Long Beach, CA

STRUCTURAL CODE CHAIR

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, Mazen Dudar, Jameson Lee, Gene Logan, Philip Yin, Juliet DeMoss,
Rich Geary, Jae Lee

ICC Board Members Present:

Truong Huynh

SEAOSC Committee Members Present:

None

DOCUMENT HANDOUTS:

- Meeting Agenda
- Draft meeting minutes
- Firewall Details
- City of LA's policy on manufactured narrow shear panels
- Structural correction sheets

1.0 Introduction

Committee members made a round of introduction.

Committee members also approved the meeting minutes for the April 10, 2008 meeting.

2.0 Subcommittee Reports and Discussions of Correction Sheets

2.1 Steve wanted to go over some of the correction sheet items upon further review of the final draft including the followings:

- The first item discussed was correction number A.1.a and A.1.b under CHAPTER 16 STRUCTURAL DESIGN. The question was whether floor and roof dead load should be part of this correction item. After further discussions, the committee decided to keep it.
- Correction number 9 under B VERTICAL LOADS, will be moved to A GENERAL and becomes item 5.
- Correction number 19 under C. LATERAL LOADS, will be revised to include the 0.9 factor when the alternate ASD load combination is used per CBC 1605.3.2.



BOARD OF DIRECTORS:

PRESIDENT
CRAIG JOHNSON, C.B.O.
Building Official
Culver City, CA

VICE PRESIDENT
ROY ITANI, P.E.
District Engineer
Los Angeles County, CA

2nd VICE PRESIDENT
GEORGE CHAVEZ, C.B.O.
Assistant Director of
Community Development
City of Beverly Hills, CA

TREASURER
NEVILLE PEREIRA, P.E.
Civil Engineer
City of Glendale, CA

SECRETARY
TRUONG HUYNH, P.E.
Engineering & Development
Services Officer
City of Long Beach, CA

COMMITTEES:

ADMINISTRATION CHAIR
HENRY HUANG, P.E., C.B.O.
Building Official
City of Tustin, CA

DISABLED ACCESS CHAIR
EWA O'NEAL, P.E.
Structural Engineering
Associate IV
City of Los Angeles, CA

FIRE-LIFE SAFETY CHAIR
STUART TOM, P.E., C.B.O.
Building Official
City of Glendale, CA

INSPECTION CHAIR
DALE WIERSMA
Principle Building Inspector
City of Long Beach, CA

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

- A new correction item will be added to C. LATERAL LOADS to ask for basement, foundation, and retaining walls to be designed for soil lateral pressure per IBC 1610.
- Correction number 3 under N. CANTILEVERED COLUMN will be revised to include reference to Chapter 15 of ASCE-7 and R=1-1/2 will be removed from this correction item.
- There were discussions on limiting the length ratio of wood shear wall panels to 3:1 when analysis based on rigidity of shear panels are not performed for correction item 5 under S. LATERAL DESIGN. However the committee decided that a policy need to be created first.

Action Item: Chapter 23 subcommittee to create a draft of the policy to limit the length ratio of wood shear wall panels to 3:1 similar to the old ST-12. Bring draft to the next meeting in June.

- 2.2 Mazen mentioned that the Chapter 23 subcommittee will have a draft of Type V sheet by next week and will forward to Steve. Steve will then forward to committee members to review.

Action item: Chapter 23 subcommittee to complete the draft of Type V sheet and forward to Steve.

- 2.3 Steve wanted to set a goal for completion of draft supplemental correction sheets for specialty structural systems. The committee agreed to bring a draft of the following supplemental correction sheets to the next meeting: Steel Moment Frames, Concrete Shear Walls, Masonry Shear Walls.

Action Item: Chapter 19 subcommittee to complete a draft of the Concrete Shear Walls correction sheet. Chapter 21 subcommittee to complete a draft of the Masonry Shear Wall correction sheet. Chapter 22 subcommittee to complete a draft of the Steel Moment Frames correction sheet. These draft correction sheets are to be handed out in the next meeting in June.

3.0 Code Interpretations

- 3.1 Steve passed out firewall details from Clark County and an old BOCA evaluation report showing details of a proprietary firewall system. Details from the two documents show the plywood sheathing at the floors are discontinued to allow the fire wall assembly to be continuous through the floors. These details are in conflict with SEAOSC's recommendation to have the plywood sheathing continuous across the firewall. The committee decided to allow each individual jurisdiction to create it's own policy.
- 3.2 Steve passed out City of LA's policy on manufacture narrow shear panels(MNSP). The policy basically requires designers to use a R-factor of 4.5 with a 33% reduction in capacity. Jameson mentioned that this is an interim policy since the manufacturers do not have



BOARD OF DIRECTORS:

PRESIDENT

CRAIG JOHNSON, C.B.O.
Building Official
Culver City, CA

VICE PRESIDENT

ROY ITANI, P.E.
District Engineer
Los Angeles County, CA

2nd VICE PRESIDENT

GEORGE CHAVEZ, C.B.O.
Assistant Director of
Community Development
City of Beverly Hills, CA

TREASURER

NEVILLE PEREIRA, P.E.
Civil Engineer
City of Glendale, CA

SECRETARY

TRUONG HUYNH, P.E.
Engineering & Development
Services Officer
City of Long Beach, CA

COMMITTEES:

ADMINISTRATION CHAIR

HENRY HUANG, P.E., C.B.O.
Building Official
City of Tustin, CA

DISABLED ACCESS CHAIR

EWA O'NEAL, P.E.
Structural Engineering
Associate IV
City of Los Angeles, CA

FIRE-LIFE SAFETY CHAIR

STUART TOM, P.E., C.B.O.
Building Official
City of Glendale, CA

INSPECTION CHAIR

DALE WIERSMA
Principle Building Inspector
City of Long Beach, CA

STRUCTURAL CODE CHAIR

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

updated evaluation reports from ICC. Steve said the committee also needs to tackle the use of MNSP's on second and raised floors. Philip mentioned that the existing LARUCP policy limiting the use of MNSP's to direct contact with concrete only, because tests were conducted based on direct contact with concrete. Jameson mentioned that more recent test may have included testing of panels on second floor. The committee will contact one of the manufacturers to clarify.

3.3 Limitations of wood shear wall lengths were discussed on item 2.1 above. The conclusion was for Chapter 23 subcommittee to come up with a LARUCP policy on limiting the length ratio of wood shear walls to 3 if stiffness/rigidity analysis is not done to distribute the lateral loads for walls that are in the same line of resistance.

3.4 Anchor bolts capacities were not discussed since James Lai was not present. From the last meeting, James was going to work with SEAOSC's Building Code Committee to come up with potential solutions.

4.0 Open discussions

None

5.0 ESTABLISH NEXT MEETING TIME AND LOCATION:

Next Meeting: June 12, 2008 2:00 PM – 4:00 PM

Location: LA County Dept. of Public Works, Alhambra Room

6.0 ADJOURNMENT.

Meeting adjourned at 11:25 AM