

## 318 Sub D – Flexure and Axial Loads

ACI Fall Convention  
New Orleans Marriott  
New Orleans, LA

Wednesday, Nov. 11, 2009

8:00 AM – 1:30 PM

Balcony L

### Minutes

#### 1. Call to order and welcome

Chair Frosch called the meeting to order, welcoming both members and guests.

#### 2. Introductions

The committee chair requested that each member and guest introduce themselves.

Members in attendance:

Frosch (chair), Bertero, Bommer, Garcia, Ghosh, Klemencic, Mlakar, Parra-Montesinos, Pincheira, Saiidi, Santana, Taylor, Salmon (consulting), Zeisler (ACI Staff)

Visitors in attendance:

Sungjin Bae, David Fields, Shamim Sheikh

Regrets received from Browning.

#### 3. Approval of minutes

A motion to approve the minutes of the Spring 2009 meeting was made by Klemencic and seconded by Saiidi. The minutes were approved by unanimous voice vote.

#### 4. Main Committee Ballot – LB09-2 – Resolution of Negatives

##### a. CD001 – Tank Reference (Browning)

Two negatives were provided on this proposal by Wyllie and Fiorato. The committee discussed both of the negatives and the response to the negatives. Wyllie's negative was considered nonrelated. In discussions with Fiorato prior to the meeting to provide clarification of his negative, he indicated that the commentary was more appropriate in Chapter 1 since 1.1.10 prohibits tanks. This move would satisfy his negative. It was discussed with Holland if this was acceptable since Chapter 1 is under the purview of Sub A. Holland indicated in an earlier communication that this move would be supported. Fiorato's negative was considered persuasive and the committee agreed to move the commentary to R1.1.10. Complete responses to the negatives were documented. Considering the modified wording and commentary location, the committee unanimously agreed by hand vote to the change proposal.

Garcia suggested that if the shells chapter becomes a separate document, that consideration should be made if this commentary should be added to the separate document for completeness.

**b. CD002 – Column Biaxial Reference (Taylor)**

Four comments of which two were negatives were provided on this proposal. The committee discussed the negatives and the response to the negatives. Minor editorial changes were made, and the responses to comments were documented. In response to Wyllie’s negative, the commentary addition was moved from R10.10.1 to R10.10.2. The final proposal was unanimously agreed upon by hand vote.

**c. CD006 – Removal of Appendix B (Taylor)**

Four negatives were received on the proposal along with several editorial comments. The committee discussed the responses to the comments. There was general discussion regarding the negative by Wight that removal of Appendix B and C at the same time. The committee felt that these appendixes are not linked. In addition, discussion ensued regarding the negative by French pertaining to the definition of  $\omega_p$ . The committee felt that the definition for  $\omega_p$  was not needed. The committee unanimously agreed by hand vote with the modifications and responses drafted by Taylor.

**5. Main Committee Ballot – LB09-3 – Results**

**a. CD017 – Correction of Notation Errors in Stability Equations**

An errata item regarding notation in the stability equations for the 318-08 code was discovered during the reorganizational effort by the task groups. Due to the nature of the errata, it was processed via a main committee ballot. This item was approved without any negatives. **Zeisler will check with Jessie to verify that the errata are updated.**

**6. Sub D Ballots – LB09D-01, LB09D-02, LB09D-03**

**a. Results**

The work of the task groups has been completed. All negatives and comments provided in the three ballots have been addressed, and a tracked changes version of the chapters modified as part of the Sub D balloting has been submitted to headquarters for the creation of Rev. 1.8. Chair Frosch thanked the committee members for their thorough and timely review as well as their hard work throughout this phase of the reorganizational effort.

**b. Steering Committee Items**

In going through the comments, several items were identified as being of a broad nature that impacted the entire building code. These items were compiled in a summary document and submitted to both the steering committee as well as Sub R. Sub R has been tasked by the steering committee to review these items.

Parra reported on Sub R discussions at their Tuesday meeting and in particular the work to address these comments. Several specific issues were discussed. Of particular note, there was discussion regarding the location of the strut-and-tie method in the reorganized document. In general, Sub D felt that there should be a reference in Chapter 7 (Analysis) to the method. Sub D also felt that strut and tie should be a separate chapter. As a tie-in on this discussion, Garcia provided a presentation on the progress of Sub H on Chapter 4 (Building Systems) since it provides an overview of the entire code and its flow. This chapter will be sent to the entire 318 committee to obtain further input.

**c. New Business Items**

During the reorganization, new business was identified. A summary document was also compiled of these items so that they can be considered in the future.

**7. Rev 3.0**

**a. Integration of New Business**

The plan is that new business items will be integrated into Rev 3.0. To be ready with these items, the committee needs to start processing these items now and have them ready to plug into Rev 3.0 of the reorganized code. It was suggested that Rev 2.0 be used as the basis for code change proposals. Until, Rev 2.0 becomes available in February, Rev 1.8 that Sub D created can also be used.

Currently, Sub D has two sources of new business items that have been identified. The first is the summary sheet of new business items that was created during the task group reviews and the second are the items that had previously been identified by the committee. These items are outlined in detail in the Spring 2009 minutes under Item 7 (Upcoming Ballot Items) and Item 8 (Future Ballot Items).

In discussing one of the new business items, it was discussed that several items in Rev 1.0 noted by tildes <~> are new and have not been reviewed by the subcommittee. It is the current understanding that the tildes will be present in the main committee ballot of Rev 2.0 such that these items are identified. It was suggested that a note be provided with the ballot that clearly indicates that items marked with a tilde have not been vetted by a subcommittee and deserve special attention. **Frosch will discuss this issue with the steering committee.**

**Each member is asked to review the new business summary sheet and consider the items identified with their name. In addition, the new business items identified in the Spring 2009 minutes should also be considered. Each member should compile a list of any items that they want to continue to pursue as new business for integration into Rev 3.0. It is requested that this review be completed within one month.**

**8. New Business**

Shamim Sheikh provided a presentation on multi-spiral reinforcement on behalf of the Innovative Task Group (ITG) on multi-spirals and ACI 441E. There is desire for commentary to be added to R10.9.3 that addresses multi-spirals and that this commentary be included in the 2011 supplement. Following the presentation, committee members asked several questions regarding the proposal.

The committee discussed the merits of pursuing this commentary change. There was general consensus to quickly work on a change proposal with a goal of targeting the 2011 supplement. **Saiidi agreed to lead the effort with the support of Garcia. The proposal will be balloted within one week.**

**9. Adjourn**

The meeting was adjourned at noon.