

318 Sub D – Flexure and Axial Loads

ACI 318 Summer Meeting
Westin Detroit Metropolitan Airport
Detroit, MI

Thursday, June 14, 2012

McNair

8:00 AM – 12:30 PM

Minutes

1. Call to order and welcome

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

Members in attendance:

Frosch (chair), Bertero, Bommer, Browning, Garcia, Ghosh, Mlakar, Santana, Zeisler (ACI Staff)

Members sending regrets:

Klemencic, Parra-Montesinos, Pincheira, Saiidi, Taylor

2. Approval of minutes

The minutes of the Spring 2012 meeting were approved by unanimous voice vote.

3. Resolution of comments and negatives

a. CD007 – Tension controlled requirement

This item was balloted on LB12-3 and received one negative from Seguirant. The negative was discussed by the subcommittee. Steve's position is that the current 0.004 limit should be removed and the unified theory originally proposed by Bob Mast should be allowed to work. A presentation prepared by Steve was presented to the committee by Chair Frosch outlining his arguments. The subcommittee unanimously voted to declare Steve's negative nonrelated and to consider removal of the strain limit as new business.

b. CD022 – Steel fibers for tension

This item was balloted on LB12-3 and received three negatives. Prior to the meeting, all comments were addressed and revisions to the change proposal were made. In addition, each of the negative voters had withdrawn their negatives based on the changes made. All changes were reviewed. A vote was taken to approve the final version of the proposal and the responses to comments. Sub D unanimously approved the change proposal.

c. CR253 – Chapter 25 - Plain Concrete Commentary

This chapter of the commentary was balloted for the first time on LB12-3. Prior to the meeting, all comments were addressed and revisions to the chapter were made. All outstanding negatives were discussed, and the changes made to the chapter were reviewed. A vote was taken to approve the final version of the

commentary and the responses to comments. Sub D unanimously approved the revised chapter.

4. Code chapters

a. Chapter 13 – Beams

This chapter was balloted for the second time on LB12-2. Prior to the meeting, all comments were addressed and revisions to the chapter were made. All negatives were reviewed as well as the changes made in response to comments. A vote was taken to approve the final version of the commentary and the responses to comments. Sub D unanimously approved the revised chapter.

b. Chapter 14 – Columns

This chapter was balloted for the first time on LB12-2. Progress has been made on responding to comments. In addition, the changes made to the beams chapter will be incorporated as appropriate into an updated version of the chapter. It is planned to reballot this chapter prior to the Fall 2012 meeting.

5. Commentary

a. Chapter 11 – One way slabs

A draft of the commentary for this chapter has been completed. Due to overlap with the beam chapter, it was determined that this commentary should be balloted with that of the beam chapter. The current plan is to develop the beam commentary prior to the Fall 2012 meeting. The one-way slab commentary will then be updated to coordinate. SubD will ballot both of these chapter simultaneously.

6. Future CD Items

a. CD009 – Minimum reinforcement for flexural members

Bommer has continued to work on this item and in particular the example problems. There was inadequate time to discuss.

b. CD018 – Interlocking spirals

This proposal, which was previously approved in Cincinnati, will be reformatted to be consistent with the reorganized columns chapter. This new business item will be submitted to the main committee if there is time in the reorganization schedule.

7. New business

a. Review of residential code

A request was received to assist in the review of the Committee 332 document. Chair Frosch welcomed volunteers from Sub D to assist in its review.

8. Adjourn

The meeting was adjourned at 12:30 pm.