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**ACI SUBCOMMITTEE 350-E MEETING AGENDA**

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**TO:** J. ARDAHL (VICE-CHAIR)  
S. CLOSE  
C. GENTRY  
C. HANSKAT  
K. HARVEY (SECRETARY)  
K. JACOBSON

N. LEGATOS  
S. MARQUES  
D. MCCARTHY  
S. SACHDEV

**CONSULTING MEMBERS:**

D. KOHL  
L. MRAZEK  
N. PRACHAND

**ASSOCIATE MEMBERS:**

D. ELMER  
P. GUPTA  
D. HARGER

**FROM:** RAMON LUCERO  
**DATE:** MONDAY OCTOBER 15, 2007  
**LOCATION:** HOTEL: EL CONQUISTADOR, FAJARDO, PR, ROOM: CEIBA A  
**TIME:** 1:00 PM – 6:30 PM

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1. CALL TO ORDER

- a) Subcommittee Roster and Attendance
- b) Announcements
- c) Approval of Denver Meeting Minutes

## 2. OLD BUSINESS

### Progress Report Task Force:

- a) Suggested relocation needed to incorporate shotcrete into main body of the Code.

Task Force:

Ryan Harvey and Lars Black

- b) Updates to Chapters 16 – 19 of current ACI 350.XX based on revisions done in ACI 318-05

Chapter 16 – Andrew Minogue

Chapter 18 – Steve Close & Dan McCarthy

Chapter 19 – Ryan Harvey

- c) Revise minimum thickness for monolithic concrete and shotcrete, as well as for pre-cast concrete, to be consistent with Section 19.2.7. Also, clarify whether the 2 inch thickness for the outer shell of a ribbed dome only applies to un-reinforced elements – otherwise increase this thickness.

Reason: A dome roof is a shell and should meet the code requirements already defined for shells. The code should not have inconsistencies for similar elements covered in different sections. For ribbed domes, I feel that 2 inches is too thin to provide adequate corrosion protection if the section is reinforced.

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- d) Revise required concrete cover at reinforcement in shells/domes to be consistent with Section 7.7.

Reason: A dome roof is a shell and should meet the code requirements already defined for shells. The code should not have inconsistencies for similar elements covered in different sections.

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- e) Revise minimum cover for membrane slabs to be the same as specified for slabs on grade.

Reason: In my opinion, 1” cover is too low for slabs in EECS.

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- f) In Appendix section G.3.1: Replace “4 in” with “5 ¾ in”. Concrete cast on earth requires a minimum of 3 in. of cover (7.7.1(a)) under the reinforcement and another 2 in. of cover (7.7.1(b)) over it.

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- g) In Appendix section G.3.1: Replace “5 in” with “5 ¼ in”. See section 7.7.3.1

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- h) In Appendix Section G.3.1: Replace “6 in” with “7 in”. See section 7.6.2

Task Force:

Dan McCarthy, Ryan Harvey & Sal Marques

- i) Proposal by Steve Close to revisit Section 18.2.7 addressing the use of un-bonded circular tendons in Environmental Concrete Structures.

- j) Proposal by Jon Ardahl to re-visit Section 18.16.3 addressing hydrostatic pressure requirements of un-bonded single strand tendons in Environmental Concrete Structures.

### 3. NEW BUSINESS

- a) Updates to Chapters 16 – 19 of current ACI 350.XX based on revisions done in ACI 318-08  
Chapter 18 – Steve Close & Dan McCarthy  
Chapter 19 – Ryan Harvey
- b) ACI 350M-06 equation clarifications
- a. Post-tension Jacking Force equation
  - b. Dome buckling equation

### 4. REPORTS

- a) Prepare report for Wednesday’s session of the full 350 Committee

### 5. ADJOURN