

# **ACI Committee 360**

## **Design of Slabs-on-Ground**

### **MEETING AGENDA**

**Monday, April 15, 2013**  
**Minneapolis, MN**

**2:00PM - 6:30PM**  
**Minneapolis Convention Center**  
**Room C-200 A-C**

1. Call to order

Barry Foreman – Chair

- A. Introduction of attendees.
- B. Do not forget to sign one of the attendance sheets. Indicate "voting", "associate" or "visitor".
- C. Update member contact information on ACI's web site
  - i) It is important that everyone's email address is correct with ACI because that is the email address that is used to send committee correspondence and notice for ballots.
  - ii) Go to <http://www.concrete.org> "Login" then "Members" then "Address Change" to update the information.
- D. Membership changes.

2. Comments concerning the previous meeting minutes. Vote to approve the Toronto Fall 2012 committee meeting minutes.

3. Reports from related Committees

- A. Committee 302
- B. Committee 330
- C. Committee 301

Joe Neuber  
Tim Cost/Robert Varner  
Scott Tarr

4. Next Document Revision

- A. Word document for editing is on the web site "[360R-XX All Chapters & Appendixes 26AUG10.doc](#)"
- B. Document Figures – Wayne Walker in charge. All changes to be given to Wayne.
- C. Chapter subcommittee reports.
  - a. Chapter 1 - Introduction
  - b. Chapter 2 – Notation and Definitions
  - c. Chapter 3 – Slab Types
  - d. Chapter 4 – Soil Support Systems for Slab-on-Ground
  - e. Chapter 5 - Loads
  - f. Chapter 6 - Joints
  - g. Chapter 7 – Design of Unreinforced Slabs
  - h. Chapter 8 – Design of Slabs Reinforced for Crack Width Control

- i. Chapter 9 – Design of Shrinkage-Compensating Concrete Slabs
- j. Chapter 10 – Design of Post-Tensioned Slabs-on-Ground
- k. Chapter 11 – Fiber Reinforced Concrete Slabs-on-Ground
- l. Chapter 12 – Structural Slabs on Ground Supporting Building Code Loads
- m. Chapter 13 – Design of Slabs for Refrigerated Facilities
- n. Chapter 14 – Reducing the Effects of Slab Shrinkage and Curling
- o. Chapter 15 – References

5. New Business

A. Presentations

- a. Allen Face
  - i. In-situ measurement of the elastic modulus & the bottom-to-top shrinkage difference.
- b. Wayne Walker
  - i. Design table for unreinforced slab-on-ground capacities
  - ii. Updating 360R to include discussion why slabs with reinforcements between 0.1% to 0.5% are not included as a design option.
  - iii. Updating 360R to include discussion why the subgrade drag equation was removed
  - iv. Rack loads are covered in the current Building Codes.
    - a) Should slabs supporting racks be ACI 318 compliant?
    - b) Should rack loads with significant seismic uplift be ACI 318 compliant?
    - c) Possible revisions to Chapter 12 “Structural Slabs-on-Ground Supporting Building Code Loads”
  - v. Design aids for shrinkage-compensating concrete slabs-on-ground
  - vi. Elastic-isotropic foundations, Winkler models and geotechnical discussions.

c. Others

B. Miscellaneous

6. Adjourn

## **ACI 360 - CHAPTER SUBCOMMITTEES**

### **Chapter 1 – Introduction**

Allen Face – Chair  
Nigel Parkes  
Bryan Birdwell  
Leonard Gagliardi

### **Chapter 2 - Notation and Definitions**

Barry Foreman - Chair

### **Chapter 3 - Slab Types**

(Don Ytterberg – Retired)  
John Rohrer  
Nandu Shah

### **Chapter 4 - Soil Support Systems for Slab-on-Ground**

Russell Neudeck – Chair  
Howard Allred  
Bill Brickey  
Pat Harrison

### **Chapter 5 – Loads**

Pat Harrison – Co-Chair  
Scott Tarr – Co-Chair  
Phil Kopf

### **Chapter 6 – Joints**

Nigel Parkes – Chair  
Allen Face  
Brad Fricks  
Pat Harrison  
Russell Neudeck  
David Buzzelli  
Phil Kopf  
Scott Metzger

### **Chapter 7 - Design of Unreinforced Concrete Slabs**

Allen Face – Chair  
Jim Loper  
Art McKinney  
Wayne Walker  
Bryan Birdwell  
Paul Rouis

### **Chapter 8 - Design of Slabs Reinforced For Crack Width Control**

Mike McPhee – Chair  
Joe Balik  
Joe Buongiorno  
Art McKinney

**Chapter 9 - Design of Shrinkage-Compensating Concrete Slabs**

Terry Fricks – Chair

Brad Fricks

John Rohrer

**Chapter 10 - Design of Post-Tensioned Slabs-on-Ground**

Bob Anderson – Chair

**Chapter 11 - Fiber Reinforced Concrete Slabs-on-Ground**

Mike McPhee – Chair

Joe Balik

Joe Buongiorno

Jim Loper

Russell Neudeck

Scott Niemitalo

John Rohrer

Simon Evans

**Chapter 12 - Structural Slabs on Ground Supporting Building Code Loads**

Todd Hawkinson

Allen Face

**Chapter 13 - Design of Slabs for Refrigerated Facilities**

Barry Foreman – Chair

Brad Fricks

Ed McGuire

**Chapter 14 - Reducing the Effects of Slab Shrinkage and Curling**

Pat Harrison – Chair

Joe Balik

Don Ytterberg

Todd Nelson

Paul Rouis

**Chapter 15 – References**

Barry Foreman - Chair