

**ACI Committee 360
Design of Slabs on Ground**

MEETING AGENDA

**Monday, March 27, 2006
Charlotte, NC**

2:00PM - 6:30PM – Westin Grand B

1. Call to order Wayne Walker – Chair
 - A. Introduction of members
 - B. Do not forget to sign one of the attendance sheets
 - C. Update member contact information on ACI's web site
 - i) Go to <http://www.concrete.org> "login" then "Members" then "Address Change"
2. Comments concerning previous meeting minutes
3. Report of Committee 302 Meeting Pat Harrison
4. Update on the document sent to ACI for publication and review of final editorial changes.
5. Discussions with Chapter Chairs for setting goals for incorporating new information.
 - A. Chapter 1 - Introduction John Munday
 - B. Chapter 2 - Slab types John Munday
 - i) Provide more emphasis on which slabs are designed not to crack (for example, jointed unreinforced, shrinkage compensating, post-tensioned, HVSF, etc.) and those designed to crack (for example, continuously reinforced and steel fiber slabs).
 - ii) Provide guidance for slab design information to be shown on the drawings.
 - iii) Provide design guidance for slabs in difficult environmental conditions such as low humidity.
 - C. Chapter 3 - Soil support systems for slabs-on-ground Bill Brickey
 - i) Revise Table 3.3
 - D. Chapter 4 - Loads Holland/Walker
 - E. Chapter 5 - Joints John Munday
 - i) Provide details for reinforcement at reentrant corners and at discontinuous slab joints
 - ii) Provide guidance on dowel design.
 - F. Chapter 6 - Design of unreinforced concrete slabs Eldon Tipping
 - G. Chapter 7 - Design of slabs reinforced for crack-width control Eldon Tipping
 - i) Provide guidance for designing reinforcement to control crack widths for various slab loadings and usage.

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| H. | Chapter 8 - Design of shrinkage-compensating concrete slabs | Terry Fricks |
| | i) Provide guidance for the optimization of reinforcement for slabs using shrinkage compensating cement. | |
| | ii) Provide information and an example to account for the effect of the base friction to properly determine the optimum reinforcement. | |
| I. | Chapter 9 - Design of post-tensioned slabs-on-ground | |
| J. | Chapter 10 - Fiber reinforced concrete slabs-on-ground | Rick Smith |
| | i) Provide serviceability design requirements for steel fiber slabs. Serviceability requirements to include steel fiber amounts to control crack widths, joint activation, shear transfer at joints. | |
| | ii) Provide design guidance for HVSF slabs | |
| K. | Chapter 11 - Structural Slabs-on-ground | Holland/Walker |
| L. | Chapter 12 - Design of Slabs for Refrigerated Buildings | Barry Foreman |
| M. | Chapter 13 - Reducing the Effects of Slab Shrinkage and Curling | Holland/Walker |
| N. | Chapter 14 – References | Holland/Walker |
| 6. New chapters | | |
| A. | Chapter XX – Repair and Maintenance of Slabs | Philip Brandt |
| | i) Provide guidance on Owner's responsibilities | |
| | ii) Provide guidance on acceptable joint stability. | |
| | iii) Provide guidance on acceptable crack stability and reduce the current document focus on crack width as an acceptance criterion. | |
| B. | Chapter XX – Concrete Mix Design | Pat Harrison |
| | i) Provide guidance on the "pros" and "cons" of concrete shrinkage testing in evaluating mix designs. | |
| | ii) Calcium Chloride versus Non-Chloride Accelerators | |
| 7. Adjourn | | |