



American Concrete Institute

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Meeting Agenda

ACI 302 Construction of Concrete Floors

Philadelphia, PA / Grand Ballroom Salon G

October 24, 2016 / 0830 – 1300 HRS

Mission: Develop and report information on materials and procedures for the construction of concrete floors.

Committee Members

Rick Smith – Chair	Russell Nuedeck – Secretary	Bruce Suprenant – TAC Contact
Allen Face	Jeff Miller	Phil Kopf
Barry Foreman	Jerry Holland	Rick Felder
Bill Phelan	Joe Nueber	Scott Metzger
Bryan Birdwell	John Rohrer	Scott Niemitalo
Chris Tull *	Kevin McDonald	Scott Tarr
Craig Dahlgren *	Mike McPhee	Steve Lloyd
Darryl Manuel *	Nigel Parkes	Terry Fricks
David Buzzelli *	Pat Harrison	Tim Robinson
Ed Finkel	Paul Rouis	Tommy Ruttura
Greg Fricks	Peter Craig	Warren McPherson *

Invited Guests

Tyler Ley, PE, PhD, Oklahoma State University

1. Administrative

- 1.1. Introductions
- 1.2. Please sign one of the sign in sheets and return to Russ Nuedeck
- 1.3. Confirm your E-Mail on the ACI Website (www.concrete.org)
- 1.4. Establish Quorum
- 1.5. Approval of Previous Meeting Minutes
- 1.6. Announcements

2. Presentations – 15 to 20-Minutes

- 2.1. Wayne Walker – Stay Out of the Courthouse Zone
- 2.2. Eldon Tipping – Slab on Ground Tolerances

Always advancing

2.3. Tyler Ley – Measuring Air, What We Are Learning

2.4. _____ - _____

3. Liaison Reports

3.1. 117 Tolerances - Eldon Tipping

3.2. 130 Sustainability of Concrete (Kevin MacDonald)

3.3. 223 Shrinkage Compensating Concrete (Karl Bakke)

3.4. 224 Cracking (_____)

3.5. 301 Specification for Concrete (Scott Tarr)

3.6. 310-J Polished Concrete (Pat Harrison)

3.7. 329 Performance Criteria for Ready Mixed Concrete (Jack Gibbons)

3.8. 330 Design and Construction Concrete Parking Lots (Eldon Tipping)

3.9. 360 Design of Slabs on Ground (Barry Foreman)

3.10. 544 Fiber Reinforced Concrete (Jim Milligan)

3.11. 551 Tilt-up Concrete Construction (Ed McGuire)

3.12. 640 Finisher Certification (Bryan Birdwell)

3.13. _____ (_____)

4. Old Business

4.1. ACI 302.2R

5. New Business

5.1. ACI 302.1R Revisions

5.1.1. Chap 1 Introduction - _____

5.1.2. Chap 2 Definitions - _____

➤ Define Delivery Slump

5.1.3. Chap 3 Prebid / Precon - _____

5.1.4. Chap 4 Classes of Floors - _____

➤ Floors to be Polished

➤ Limited Joint

5.1.5. Chap 5 Design Considerations - _____

➤ Polished Suspended

➤ Suspended Slab Reinforcing, Depth, Trim Bars

- Reinforcement Depth Versus Depth of Cut
- Dowel Basket Alignment, Staking, Punctures in Vapor Retarder
- Hybrid Construction Joints to Mitigate Dominant Joints

5.1.6. Chap 6 Site Preparation - _____

- Modified Proof Role

5.1.7. Chap 7 Associated Materials - _____

- Liquid Cures - What is Required, Who is Responsible for Removing

5.1.8. Chap 8 Material Proportioning - _____

- Tarantula Curve
- Setting Time

5.1.9. Chap 9 Batch, Mix, Transport - _____

- Delivery Slump, Acceptance Testing, Correlation to Slump at Hose

5.1.10. Chap 10 Place, Consolidate, Finish, Cutting - _____

- Roller Bug
- Laser Screed®
- Saw Cutting Depth, Vacuums
- F-Numbers Measured to Bulkhead

5.1.11. Chap 11 Cure, Protect, Joint Fill - _____

- Curing During the Placement (0.15-LBS/SF/HR)
- Maintenance, Joint, Spall Repairs, Stabilization

5.1.12. Chap 12 Quality Control - _____

5.1.13. Chap 13 Imperfections - _____

- Shadowing
- Sweating

6. Task Group Reports

- 6.1. Liquid Surface Treatments – Darryl Manuel
- 6.2. Curling Study Over Vapor Retarders – Bill Phelan

7. Adjournment

- 7.1. Spring 2017 — Driving Concrete Technology, March 26-30, Marriott Detroit at the Renaissance Center, Detroit, MI