

ACI COMMITTEE 551
TILT-UP CONCRETE CONSTRUCTION
C-232 – Duke Energy Convention Center, Cincinnati, Ohio

Committee Meeting Agenda

Sunday, October 20, 2019 – 9:00 am – Noon

- 9:00 Welcome and introductions McPherson
- 9:05 General Business McPherson
- a. Review minutes of Quebec (Spring 2019) meeting
 - b. Review membership roster and Voting/Associate Status – persistent inactivity will result in a downgrade of participation status.
 - c. Correspondence
 - d. Correspondence
 - i. Departures: Tony Johnson (CRSI to PTI)
 - ii. Member Requests:
 - iii. Technical Inquiry: Load Combination for Wind Serviceability
- 9:15 Mini-Session 1: Elastic Design in Tilt Application Luke Pinkerton, Helix
- 9:45 Mini-Session 2: Curing Trends for Industrial Tilt-Up Floors and Casting Slabs Craig Coppersmith, Nox-Crete
- 10:15 ACI Committee Activities
- NOTE: any members and visitors with information from other committees that impacts the work of ACI 551 are encouraged to offer a comment at this time
- a. ACI 117 Tilt-Up Tolerance update Buzzelli
 - b. ACI 301-L patching specification McPherson
 - c. ACI 347 Ruegge
 - d. ACI 302 Silicate Curing Compounds Ghandour/Linn
 - e. ACI 322 Plain Concrete Baty
 - f. ACI 360 Kopf/McGuire
 - g. ACI C-650 Tilt-Up Supervisor Certification McGuire/Olson
- 10:45 Industry Organization Updates
- a. TCA McPherson/Baty
 - i. Semi-Composite Panel Research
 - ii. Convention 2019 - Atlanta
- NOTE: any representatives of industry organizations with pertinent information to the work of ACI 551 or the practice of tilt-up construction and design are invited to update the committee at this time
- 11:00 Old Business
- a. Journal articles/white papers
 - i. Multi-story projects Braswell/McPherson
 - b. Concrete Research Council project Kramer
Check on committee/industry participation for student's thesis
 - c. Bischoff Method White Paper (TAC Status) Naegle/McPherson
Possible 551 Technical Session (after Chicago)
 - d. KSU Student Research – bracing/deadmen Kramer
 - e. Helix TSMR Research/White Paper Pinkerton

11:30 New Business

- a. Document Plans – Continual Review per Fall 2018
 - i. ACI 551.1R Guide to Tilt-Up Concrete Construction, 2014
Content Changes to TAC
 - ii. ACI 551.2R Design Guide for Tilt-Up Concrete Panels, 2015
Content Changes to TAC
 - *Lightweight – Extra rebar due to stiffness, reduced lift insert capacity, weight at time of lift.*
 - *Air entrainment – why not? Interpreting exposure category (not in saturated condition).*
 - *Fly Ash – discuss benefits and risks*
 - *Concrete Mix Decisions – Expand current discussion, lifting & strength, etc.*
 - *Bischoff Paper – How does this influence Design Guide?*
- b. Physical Testing of Tilt-Up Wall Panels (Updating 1980 research)

11:55 Next meetings

- a. 2020 - March 29-April 2, Hyatt Regency O'Hare, Chicago/Rosemont, IL
- b. 2020 - October 25-29, Raleigh Convention Center & Raleigh Marriott, Raleigh, NC

12:00 Adjourn