

ACI COMMITTEE 551
TILT-UP CONCRETE CONSTRUCTION

Room: Florence, **Hyatt Regency O'Hare Chicago Hotel**
9300 W Bryn Mawr Ave, Rosemont, IL 60018

Committee Meeting Agenda

Sunday, March 29, 2019 – 9:00 am – Noon

I. Welcome and introductions McPherson

II. General Business McPherson

- a. Review minutes of Cincinnati (Fall 2020) meeting
- b. Review membership roster and Voting/Associate Status
- c. Correspondence
 - i. Changes: James Lai > Consulting
 - ii. Member Requests: Thomas Norris, Tatum Smith Welcher Engineers Inc > Associate
 - iii. ACI Journal Request: 2019-10-28 Request for papers

III. 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 ~~380~~ Plain Concrete Baty
- f. ACI 360 Kopf/McGuire
- g. ACI C-650 Tilt-Up Supervisor Certification McGuire/Olson
- h. ACI 319 Precast Concrete Code Baty

IV. Industry Organization Updates

- a. TCA
 - i. Semi-Composite Panel Research McGuire
 - ii. Convention 2020 – St. Louis, MO Bloomquist/Baty
 - b. ASCC – Safety Summit – Houston, TX McPherson
- 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

V. Old Business

- a. Bischoff Method Tech Note (Committee Ballot) Naegle/McPherson
Possible 551 Technical Session (after Chicago)
- b. Journal articles/white papers
 - i. Multi-story projects Braswell/McPherson
- c. KSU Student Research – bracing/deadmen Kramer

- d. Physical Testing of Tilt-Up Wall Panels (Updating 1980 research) McGuire
- e. Document Plans – Work Assignments/Volunteers
- i. ACI 551.1R Guide to Tilt-Up Concrete Construction, 2014
Content Changes to TAC
 - *Fly Ash in the construction process*
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 - 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?*
 - *Helix TSMR White Paper – How does this influence Design Guide?*
 - *Elastic vs. Inelastic Region Use*
 - *Plain Structural Concrete*
 - *Impact of Yield Strength of Steel*

VI. New Business

VII. Next meetings

- a. 2020 – October 25-29, Raleigh Convention Center & Raleigh Marriott, Raleigh, NC
- b. 2021 – March 28-April 1, Hilton & Marriott Baltimore, Baltimore, MD

VIII. Adjourn