

ACI COMMITTEE 551

TILT-UP CONCRETE CONSTRUCTION

GoTo Meeting [Link Provided by Email]

Committee Meeting Agenda

Sunday, October 25, 2020 – Noon to 3:00 pm (Eastern)

- I. Welcome and introductions McPherson

- II. General Business McPherson
 - a. Review minutes of Cincinnati (Fall 2019) meeting
Due to a cancellation of the Spring 2020 Convention and subsequent virtual 551 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 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 Steinbicker/Kopf
 - ii. Convention 2020 – The Aggregate 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) Nagele/McPherson
Possible 551 Technical Session
 - b. Journal articles/white papers

- i. Multi-story projects
- c. Technical Session Development
- d. KSU Student Research – bracing/deadmen
- e. Physical Testing of Tilt-Up Wall Panels (Updating 1980 research)
- f. Document Plans – Work Assignments/Volunteers
 - i. ACI 551.1R Guide to Tilt-Up Concrete Construction, 2014
Assignment of Chapters for Review (Interest Volunteering)
Possible 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*
 - *Multi-Story Paper – How does this influence Design Guide?*

Braswell/McPherson
Baty/McPherson
Kramer

VI. New Business

- a. New 551 Workgroup for Slenderwall/Alternate Methodology

Nagele/McPherson

VII. Next meetings

- a. 2021 – March 28-April 1, Hilton & Marriott Baltimore, Baltimore, MD
Prepare for this to be virtual as well.
- b. 2021 – October 17-21, Hilton Atlanta Downtown, Atlanta, GA

VIII. Adjourn