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

II. General Business
   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
   b. ACI 301-L patching specification
   c. ACI 347
   d. ACI 302 Silicate Curing Compounds
   e. ACI 380 Plain Concrete
   f. ACI 360
   g. ACI C-650 Tilt-Up Supervisor Certification
   h. ACI 319 Precast Concrete Code

IV. Industry Organization Updates
   a. TCA
      i. Semi-Composite Panel Research
      ii. Convention 2020 – St. Louis, MO
   b. ASCC – Safety Summit – Houston, TX
   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)
      Possible 551 Technical Session (after Chicago)
   b. Journal articles/white papers
      i. Multi-story projects
   c. KSU Student Research – bracing/deadmens

McPherson  
Buzzelli  
McPherson  
Ruegge  
Ghandour/Linn  
Baty  
Kopf/McGuire  
McGuire/Olson  
Baty  
McPherson  
McPherson  
Braswell/McPherson  
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

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.
   - 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