

ACI SUBCOMMITTEE 318F – FOUNDATIONS

In-Person Committee Meeting
Tuesday, March 29, 2022
8:00 AM - 12:30 PM (EDT)
Room: C-Bonaire 3
Caribe Royale Hotel, Orlando, FL

AGENDA (Revision 2)

1. Call to Order
2. Self-Introductions
3. Announcements
 - a. No audio, photo or video recording
 - b. Confidentiality of ACI technical committee work in progress
 - c. Membership: Welcome Scott Alexander (New 318F Member)
 - d. Other
4. Approval of March 29, 2022 Meeting Agenda
5. Approval of October 19, 2021 Virtual Meeting Minutes
6. Discussion on ICC Proposals S165, S169 and S162 (Ghosh)
7. Overview of CF001d, CF002c, CF003b, CF004b and CF005b Code Change Proposals:
 1. CF001d (Minimum design requirements for cast-in-place concrete deep foundation members in SDC A and B)
 - a. Ballot Results
 - b. Resolution of Negatives (Stevenson, McFarlane, Ospina)
 - c. Definition of Auger-cast-in-place piles
 - d. Strategy for full acceptance by Main 318
 2. CF002c (Strength reduction factors ϕ for deep foundation members)
 - a. Ballot Results
 - b. Resolution of Negatives (Hartmann, Stevenson, Ospina)
 - c. Strategy for full acceptance by Main 318
 3. CF003b (Design of portions of laterally unsupported cast-in-place concrete deep foundation members using Chapter 14).
 - a. Ballot Results
 - b. Resolution of Negatives (Ospina, Schaeffer)
 - c. Strategy for full acceptance by Main 318
 4. CF004a (Refined design requirements for grade beams)
 - a. Ballot (318F) Results

- b. Resolution of Negatives (Ospina, Hartmann)
 - c. Grade beam definition
 - d. Strategy for full acceptance by Main 318
- 5. CF005b (Minimum cover requirements for reinforcement in foundation members).
 - a. Ballot Results
 - b. Resolution of Negatives (Ospina)
 - c. Strategy for full acceptance by Main 318
- 8. Impact of ACI 318-19 shear design provisions on the design of reinforced concrete cantilever retaining walls and other foundation members (Pujol, Fargier, Alexander, Ospina)
 - 1. Status of 318E/318F Task Group Work
 - 2. Interaction with US BoR, US DoD, US DoA and other institutions
 - 3. Work Ahead
- 9. New business items and answers to questions/comments received from code users at the beginning of the 2019-2025 code cycle:
 - a. Design and placement requirements for grout (shear strength, material properties, qualifications, etc...). Action: McFarlane. Coordination with Sub A.
 - b. Minimum flexural reinforcement requirements for footings. Action: Ospina, Schaeffer.
 - c. Design of pile caps including minimum reinforcement provisions. Action: TBD.
 - d. Design requirements for mat foundations. Action: TBD.
 - e. Treatment of size effect on shear strength of grade beams (See Attachment 4 of Fall 2019 meeting agenda), pile caps and other foundation elements.
 - f. Interpretation of ACI 318 code provisions in Chapters 7, 8, 9, 22 and 24 for the design of shallow concrete foundations.
 - g. Consistency between ACI 318 and PCI provisions for precast prestressed concrete pile design (See Attachm. 5, Fall 2019 meeting agenda). Coordination with Sub P.
 - h. Minimum transverse reinforcement size for precast concrete piles in SDC A and B (13.4.5.6) (See Attachm. 6, Fall 2019 meeting agenda). Coordination with Sub P.
- 10. Timeline
 - a. Subcommittee Ballots
 - b. Main Committee Ballots
- 11. Other New Business
 - a. TBD
- 12. Adjournment
- 13. Next Meeting: Oct. 25, 2022 - Fall 2022 Convention (Dallas, TX)