

AGENDA for ACI Subcommittee 445A Strut and Tie Models
Sunday, March 24-2019 - 9:30 AM to 12:30 PM C-2104 A

Shear and Torsion--Joint ACI-ASCE (445)
Monday, March 26 -2:00 PM to 6:00 PM C-206A

1. Approval of Agenda
2. Introductions
3. Review and Approval of Minutes from Fall Meeting in Las Vegas
4. 318 Main Chapter 23 – Approved

318E-19 Tasks	Lead	Change Proposal	318E Task Sheet
Curved Bar Nodes	Klein	CE010	Approved at Main Committee Fall 2016, LB16-04
Minimum Reinforcement Requirements	Klein	CE015	Approved Las Vegas October 2018, LB18-04B
Development of Tie Force within Nodal Zone	Klein	CE030	Approved, Anaheim, October 2017, LB17-03
Treatment of Prestressing Force	Klein	CE040	Approved at Main Committee Fall 2016, LB16-01
Minimum Angle in STM	Klein	CE050	Approved at Main Committee, Denver, 2015, LB15-02
Shear Friction	Klein	CE060	Approved, Anaheim, October 2017, LB17-03
Strength of Struts and Maximum Shear Stress in Discontinuity Regions	Klein	CE135	Approved, Las Vegas, October 2018, LB18-04B
STM - Model to Method	Novak	CE055	Approved at Main Committee, Denver, 2015, LB15-02
Buckling Concerns for Struts, limit on aspect ratio	Novak	CE175	Approved, Las Vegas, October 2018, LB18-03B
Impact of Seismic Loading on STM	Rodriguez	CE155	Approved, Las Vegas, October 2018, LB18-05B
Confined Nodal Zones	Sanders	CE165	Approved, Las Vegas, October 2018, LB18-03B

5. 318-19 Schedule
 - a. Quebec City - resolve public comments (ballot before Quebec)
 - b. Published Summer 2019
6. What we need to do to STM Document
 - a. Respond to comments from the original 445 comments and Document
 - b. Specifically need to address changes in the 318-19
7. Where do we stand
 - a. Chapter 3 – Design Procedure (Barnes, Bouadi, Brown Ramirez)
 - b. Chapter 4 – Design Strength of Ties, Struts and Nodes (Tuchscherer, Anderson)
 - c. Chapter 5 – Modeling and Design Consideration (Kuchma, Brena, Habel, Sanders)
 - d. Chapter 6 – Serviceability Considerations (Roberts-Wollmann, Huizinga)
 - e. Chapter 7 - Implementation of STM Design and Construction Details (Klein, Anderson, Yanez)
 - f. Chapter 8 – Other STM Design Specifications, Codes and Guide Documents (Reineck, Kuchma, Mitchell)
 - g. Chapter 1 – Introduction (Bayrak, Mitchell)
 - h. Chapter 2- Definitions and Notations (Novak, Lubell)
 - i. Status of Figures
8. How do we get this to a 445 Ballot
9. Adjournment