

MEETING AGENDA
PTI DC-20 Building Design Committee
 Tuesday, May 2, 2017
 1:00 PM - 5:30 PM
 Hyatt Regency Atlanta

Voting Members Present (XX of 13)

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|---------------------------------|-------------------------------------|
| Carol Hayek, Chair | CCL USA, Inc. |
| Martin Maingot, Secretary | SCA Consulting Engineers |
| Rashid Ahmed | Walker Parking Consultants |
| Bryan Allred | Seneca Structural Engineering, Inc. |
| Asit Baxi | Baxi Engineering Inc. |
| Martin Cuadra | Uzun & Case Engineers |
| Thomas Gillard | Ellinwood + Machado |
| Jonathan Hirsch | Bentley Systems |
| Thomas Kang | Seoul National University |
| Don Kline | Kline Engineering & Consulting, LLC |
| Cary Kopczynski, TAB Contact, V | Cary Kopczynski & Co., Inc., PS |
| Eric Ober | Simpson, Gumpertz & Heger |
| Zuming Xia | Structural Technologies |
| Miroslav Vejvoda, NV | PTI Staff |

Associate Members Present

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| Hamid Ahmady | Suncoast Post Tension, Ltd. |
| Joseph Ales | Walter P Moore & Associates, Inc. |
| Mohammed Bilbeisi | Freyssinet Middle East |
| Spencer Lee | ADAPT Corporation |
| Carine Leys | ADAPT Corporation |
| Rafael Machado | Ellinwood + Machado |
| Sivakumar Munuswamy | Thornton Tomaseti, Inc. |
| Xu Shudong | Beijing Yintaijian Prestressing Engineering Co., Ltd. |
| Otto Schwarz | Ryan Biggs Clark Davis Engineering and Surveying, P.C |
| Mark Yerges | CVM Engineers |

Visitors Present

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| Michael Hakim | PTI |
| Srini Neelamegam | CCL USA, Inc. |
| Dan Moser | Walker Restoration |

ACTION ITEMS FROM LAST / THIS MEETING

Item #	Subject	Action	Responsible	Deadline / Completed
1	Slides for Guide for Design of PT Buildings	PTI staff to complete editing and submit to committee for balloting	All	Ballots submitted March 27, 2017.

2	PTI DC20.2-88: Restraint cracks and their mitigation	Updated DC20.2 draft document requires significant rework due to amount of negative comments during first balloting process. Specific TG's formed to tackle most significant areas in need of improvement, however input from all committee members required. Communicate comments to Bijan and ask for references.	All / TG	Mid to end of November 2016 for all TG review/feedback
3	DC20.7-01, Design, Construction, and Maintenance of CIP PT Concrete Parking Structures	Editable copy of existing document to committee on 10/31/15. Document update on hold pending completion of item 2		On hold
4	ACI 318 Update	ACI cross-reference document as FAQ 'cheat sheet' to help navigate ACI 318-14 post-tension provisions	Hayek / Miroslav/Kang	Miroslav to approach ACI for approval as first step. If ok, Ballot changes to 318-11 Ch.18
5	PT Manual 7 th Edition	DC-20 will review and comment on chapters once available, however not balloted by DC-20. Five chapters to be stage released within next 6 months for review/comment by specific volunteers.	Baxi / All	No specific timeline given; will revisit once draft chapters are released.
6	Two-Way Banded	TG to start working on a draft.	Jonathan/TG	No specific timeline. Jonathan will coordinate a web meeting with TG

Agenda Item	Expected Outcome / Actions Taken
A. General	
A.1 Call to Order	A.1
A.2 Introductions	A.2
A.3 Committee Roster / Changes	A.3
A.4 PTI Antitrust Policy	A.4
A.5 Committee Annual Report	A.5
B. Agenda & Minutes	
B.1 Approval of Agenda	B.1

Agenda Item	Expected Outcome / Actions Taken
B.2 Approval of Minutes from 4/25/16 (Meeting ballot required)	B.2 Vote on Minutes approval from 4/25/16 Motion / Second: Result: X-X-X (Y-N-A)
<u>C. Actions Taken Between Meetings</u> C.1 Letter Ballots (1601) C.2 Web Meetings	C.1 Design Seminars ballot closed on March 27, 2017 C.2 Two-way banded TG meeting on Dec. 14 2016
<u>1. Action Item 1: (Design Webinar Modules)</u> 1.1 Discuss modules and ballot 1.2 Module Production	Update on ballot
<u>2. Action Item 2: (318-11 vs. 318-14 Comparison)</u> 2.1 Review Progress	2.1 Hayek - Show document prepared Miroslav: ACI has given DC20 permission to list ACI 318 provisions for comparison purposes and recommended to list PT related ACI 318-14 provisions to indicate where they were located in ACI 318-11 in lieu of starting with ACI 318-11 Chapter 18. Recommend committee to discuss comparison and ballot it after Atlanta.
<u>3. Action Item 3: (PT Manual)</u> 3.1 Review progress 3.2 Plan for review process	3.1 Asit – update progress on reviewed chapters 5 and 9 and timeline on upcoming chapters: 3.2 Update on list of volunteers for each chapter: 1) <u>Analysis and Design Fundamentals</u> ; Martin C, Jonathan, Hamid 2) <u>Detailing and Construction Procedures for Buildings</u> ; Zuming, Mark, Rashid 3) Design examples – No release date given; 4) <u>Seismic Design of PT Concrete Structures</u> ; Martin M, Bryan 5) <u>PT Concrete Floors</u> ; Rafael 6) <u>PT Parking Structures</u> ; Otto, Martin C, Bryan, and Eric 7) PT barrier cables – No release date given 8) Fire resistance – No release date given 9) Durability (buildings and bridges) – No release date given
<u>4. Action Item 4: (Parking Structures Manual)</u> 4.1 Volunteers for TG 4.2 Action items	4.1 Confirm volunteer commitments for TG and identify document champion. TG Members: Ahmed, Cuadra, Gillard, Ober 4.2 Set action items and expected completion dates.

Agenda Item	Expected Outcome / Actions Taken
<p><u>5. Action Item 5: (2-way Banded PT Technical Note)</u></p> <p>5.1 Review progress</p> <p>5.2 Action items</p>	<p>5.1 Jonathan – give feedback from web meeting</p> <p>.</p> <p>5.2 Jonathan – give a presentation showing progress.</p>
<p>10:00 a.m. break</p>	
<p><u>6. Action Item 6: (Crack Mitigation Document)</u></p> <p>6.1 TGs update</p> <p>6.2 Tech Note</p>	<p>6.1 Each TG to update on findings and be appointed a lead.</p> <p>1) Causes of cracking chapter: TG Martin C and Eric</p> <p>2) Shortening Equations, Examples and References: TG - Asit, Rashid, Carol</p> <p>3) Validate or give recommendation as to specific numbers used in document i.e. 1/4" movement. TG - Asit, Eric</p> <p>4) Connection details – all committee members to contribute details on how best to handle restraint or restraint release. TG Asit, Bryan</p> <p>5) New ideas - shrinkage compensating concrete, concrete mix, curing procedures, lockable dowels, aggregate grading, etc.. TG – Otto, Martin M</p> <p>6.2 Miroslav: It makes sense to progress on the Tech Note on this subject to get something on it published. The discussion on possible testing should not slow down the Tech Note effort. The discussion on the testing should concentrate on the technical feasibility and benefit and not on the financial aspects. The two proposals from before were simply totally out of reach and something would have to change dramatically to make it go. It is not clear how the tests would accommodate both, the steel fiber testing and the PT testing. Use of steel fiber cannot be a prerequisite for using dual banded PT.</p> <p>OK for anyone from DC-20 to contact Bijan Alami directly for questions regarding his restraint crack document</p>
<p><u>D. New Business</u></p> <p>D.1</p> <p>D.2</p>	<p>D.1</p>
<p><u>E. Next Meeting</u></p>	<p>E.</p>

Agenda Item	Expected Outcome / Actions Taken
F. <u>Adjourn</u>	F.

AGENDA / MEETING EXHIBITS

Exhibit #	Subject