



AGENDA

PTI DC-20 Building Design Committee

Tuesday, May 8, 2018

1:00 PM to 5:30 PM

Minneapolis Hilton

Voting Members Present (x of 14)

- | | |
|---------------------------|-------------------------------------|
| Carol Hayek, Chair | CCL USA, Inc. |
| Martin Maingot, Secretary | SCA Consulting Engineers |
| Hamid Ahmady | Suncoast Post Tension, Ltd. |
| Rashid Ahmed | Walker Parking Consultants |
| Bryan Allred | Seneca Structural Engineering, Inc. |
| Asit Baxi | Baxi Engineering Inc. |
| Martin Cuadra | Uzun & Case Engineers |
| Jonathan Hirsch | Bentley Systems |
| Thomas Kang | Seoul National University |
| Don Kline | Kline Engineering & Consulting, LLC |
| Bill Klorman | Klorman Construction |
| JR Mujagic | Bekaert Corporation, Inc. |
| Eric Ober | Simpson, Gumpertz & Heger |
| Zuming Xia | Structural Technologies |
| Miroslav Vejvoda, NV | PTI Staff |
| Tim Christle, NV | PTI Staff |

Associate Members Present

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|---------------------|---|
| Joseph Ales | Walter P Moore & Associates, Inc. |
| Ryan Bonniwell | Ericksen Roed & Associates |
| Kyle Boyd | S.A. Miro, Inc. |
| Michael Hopper | Leslie E. Robertson Associates |
| Spencer Lee | ADAPT Corporation |
| Ralf Leistikow | Wiss, Janney, Elstner Associates |
| Rafael Machado | Ellinwood + Machado |
| Carine Magalhaes | ADAPT Corporation |
| Sivakumar Munuswamy | Thornton Tomasetti, Inc. |
| Srini Neelamegam | CCL USA, Inc. |
| Otto Schwarz | Ryan Biggs Clark Davis Engineering and Surveying, P.C |
| Rob Suarez | Martin/Martin, Inc. |
| Todd Whisenhunt | Thornton Tomasetti |
| Mark Yerges | CVM Engineers |

Visitors Present

ACTION ITEMS FROM LAST / THIS MEETING

Item #	Subject	Action	Responsible	Deadline / Completed
1	Slides for Guide for	PTI Staff to comment on final versions	PTI Staff	

	Design of PT Buildings	of presentation modules.		
2	PTI DC20.2-88: Restraint cracks and their mitigation	Each TG to comment on progress to date	All	May 8, 2018
3	DC20.7-01, Design, Construction, and Maintenance of CIP PT Concrete Parking Structures	On Hold pending completion of item 2 above		On hold
4	ACI 318 Update	PTI Staff to comment on final version and update committee on status of publication date	PTI Staff	May 8, 2018
5	PT Manual 7 th Edition	Asit to comment on tentative Chapter release dates	Baxi / All	By Chapter release date
6	Two-Way Banded	Jonathan Hirsch, Martin Cuadra and Asit Baxi to provide updates on Tech Note and testing efforts	Dual Banded TG/All	May 8, 2018

Agenda Item	Expected Outcome / Actions Taken
A. <u>General</u> A.1 Call to Order A.2 Introductions A.3 Committee Roster / Changes A.4 PTI Antitrust Policy A.5 Annual Report	A.1 A.2 A.3 A.4 A.5
B. <u>Agenda & Minutes</u> B.1 Approval of Agenda B.2 Approval of Minutes from 10/5/18 (Meeting ballot required)	B.1 B.2 Vote on Minutes from 10/5/18 approval Motion / Second: Name / Name Result: X-X-X (Y-N-A)
C. <u>Actions Taken Between Meetings</u> C.1 Letter Ballots (none) C.2 Web Meetings (none)	C.1 C.2 Two-Way Banded Task Group Web Meetings held on 12/1/17, 12/14/17, 1/11/18, 1/19/18, 2/5/18

Agenda Item	Expected Outcome / Actions Taken
1. Action Item 1: (Design Webinar Modules) 1.1. Module production	1.1 PTI Staff to comment on status of finalized presentation modules
2. Action Item 2: (PTI DC20.2-88: Restraint cracks and their mitigation) 2.1. Review progress	2.1 Each Task Group (TG) to comment on progress to date: 1) Causes of Cracking – Martin C., Eric 2) Connection Details – Kyle, Mark Y. 3) Concrete Drying Shrinkage Mitigation Strategies – Martin M. (attached for reference) 4) Equations, ¼ inch value and examples – Asit, Rashid, Eric, Carol 5) FEM Analysis – Mike H., Mark Y. (attached for reference)
3. Action Item 3: (DC20.7-01, Design, Construction, and Maintenance of CIP PT Concrete Parking Structures) 3.1 On hold	3.1 On hold pending completion of Item 2
4. Action Item 4: (ACI 318 Update) 4.1 Review progress	4.1 Siva Munuswamy and Joe Ales completed their review and commentary of the draft comparison table. PTI Staff has taken this and is completing the final cohesive document which will be ready for publishing by the end of May.
5. Action Item 5: (PT Manual 7th Edition) 5.1 Review progress 5.2 Plan for review process	5.1 Each Chapter review lead to comment on review/progress to date with Asit to comment on future chapter release dates for those yet to be released 5.2 Asit and PTI Staff to provide update on Chapters ready for TAB balloting and Chapters still in process
6. Action Item 6: (Two-Way Banded) 6.1 Review progress of testing 6.2 Review progress of Tech Note	6.1 Martin C. (testing protocol) and Asit (T1 specimen drawing) 6.2 Jonathan Hirsch (Tech Note)
E. New Business E.1 Discuss possible Technical Session topics/presenters E.2 Structural Detailing Manual E.3 Review of documents and identification of those in need of revision	E.1 Discuss possible contributions to the Technical Sessions from the committee members or their associates for 2019 Convention E.2 PTI Staff to discuss status and plan E.3 List of documents for review: PTI DC20.1-87 Strength and Behavior of Closely Spaced Post-Tensioned Monostrand Anchorages

Agenda Item	Expected Outcome / Actions Taken
E.4 Discuss practical vs. ACI 318 provisions for column punching shear integrity reinforcement in PT slabs E.5	PTI DC20.2-88 Restraint Cracks and their Mitigation in Unbonded Post-Tensioned Building Structures PTI DC20.3-89 Structural Integrity of Building Constructed with Unbonded Tendons PTI DC20.4-90 Earthquake Performance of Unbonded Post-Tensioned Buildings PTI DC20.5-90 Evaluation of the Condition of a Post-Tensioned Concrete Parking Structure After 15 Years of Service PTI DC20.6-99 Design Fundamentals of Post-Tensioned Concrete Floors PTI DC20.7-01 Design, Construction and Maintenance of Cast-in-Place Post-Tensioned Concrete Parking Structures PTI DC20.8-04 Design of Post-Tensioned Slabs Using Unbonded Tendons PTI DC20.9-11 Guide for Design of Post-Tensioned Buildings E.4 ACI 318 provisions for integrity strands vs. additional bottom rebar when two (2) cables in each direction are not possible due to geometrical constraints E.5
F. <u>Next Meeting</u> 2018 PTI Committee Days, Colorado Springs, CO September 26-27, 2018 Web Meetings:	
G. <u>Adjourn</u>	

AGENDA / MEETING EXHIBITS

Exhibit #	Subject
Roster / A.4	Sign-In Sheet / PTI Anti-Trust Policy
B.2	Minutes from 10/5/18
2.1.2	RTS Connection Details (Draft)
2.1.3	Concrete Drying Shrinkage Mitigation Strategies (Draft)
2.1.5	FEM Analysis (Draft)

6.1	Dual Banded PT Slab Testing Protocol and T1 Specimen Drawings (Drafts)
6.2	Two-Way Banded Tech Note (Draft)