

TAB Vision: PTI as the International Technical Leader for PT



Don Kline, Kline Engineering & Consulting

What is TAB

Technical Advisory Board (TAB)

- Reports to the PTI Board
- Appoints Technical Committee Chairs
- Approves Technical Committee Members
- Reviews all Technical Documents
- Committee chairs have autonomy to create documents

TAB Vision

- PTI to be recognized as the worldwide technical leader in the area of post-tensioning technologies:
 - Slab on Ground
 - Bridges
 - Stay Cables
 - Buildings
 - Rock and Soil Anchors
 - Repair and Strengthening



TAB Goals

TAB Goals:

Set out 4 goals and objectives to achieve the vision.



PT is Re-Shaping Miami



New Miami Skyline

PT in Miami – Surf Club

Surf Club Features

- Bonded PT Skymat
- Unbonded PT Skymat
- Cantilever Roof Girders with Tension Columns

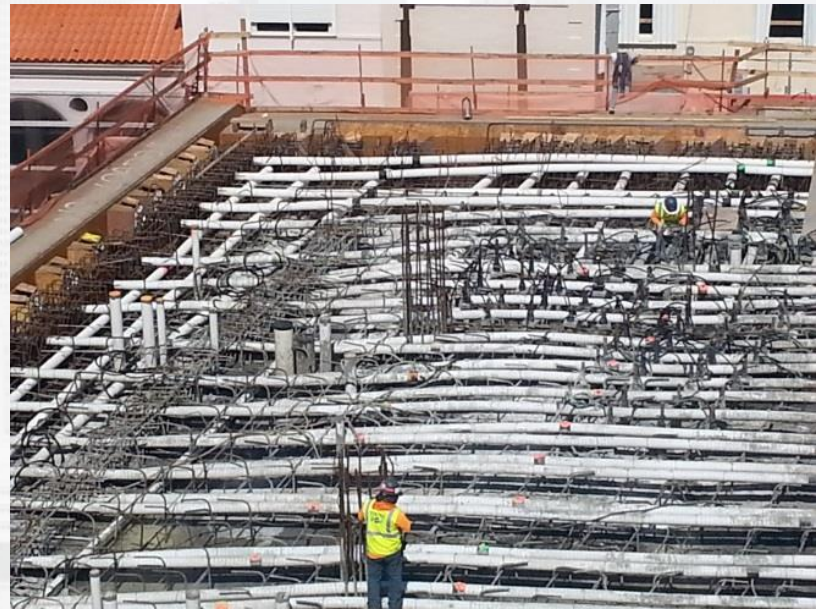


Skymat

Surf Club – Bonded PT Skymat



2-Way Bonded PT



Photos courtesy VSL

Surf Club – Bonded PT Skymat

Vertical PT Bars for Shear Reinforcement



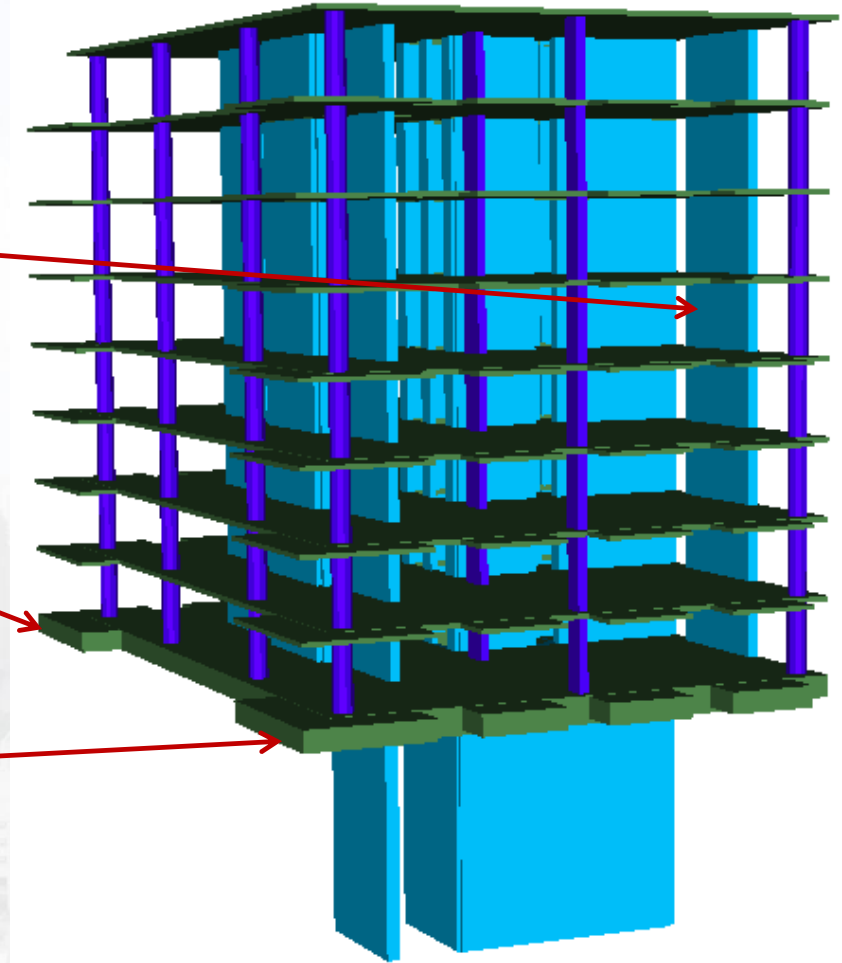
Photos courtesy VSL

Surf Club Unbonded PT Skymat

Wall / Slab frame supports
floors

6 ft thick transfer slab

45 ft cantilevers on 3 sides



Surf Club – Unbonded PT Skymat



Photos courtesy VSL



POST-TENSIONING INSTITUTE
Stressing the Stronger Concrete Solution™

Surf Club – Tension Column



Photos courtesy VSL



POST-TENSIONING INSTITUTE
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PT in Miami – Grove at Grand Bay



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Hat Truss Girders at Roof

Photos courtesy VSL

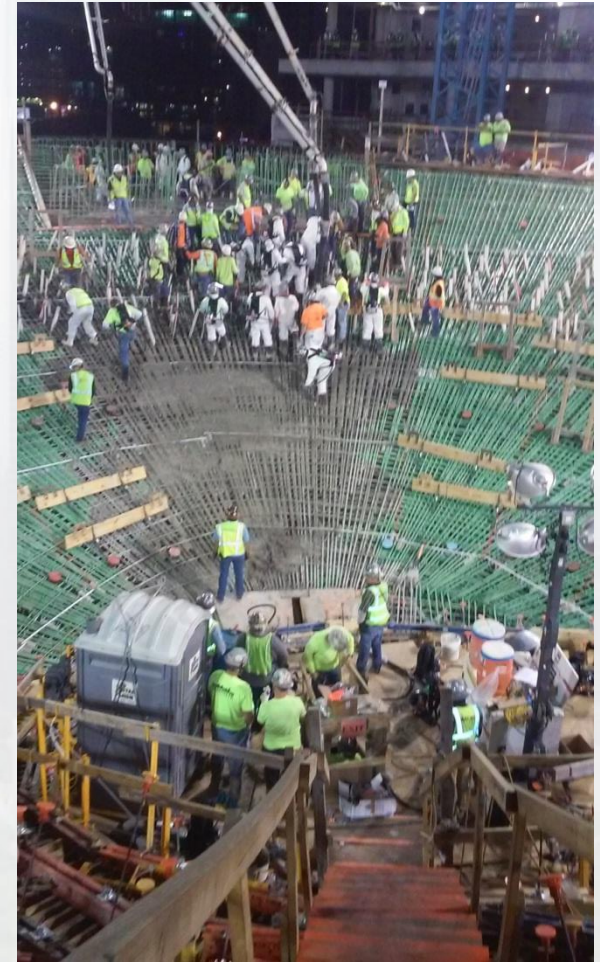


POST-TENSIONING INSTITUTE
Stressing the Stronger Concrete Solution™

Miami Science Museum



Miami Science Museum



Photos courtesy VSL

1000 Museum



TAB Goals

TAB Goals:

- Goal #1 - Commitment to Quality
- Goal #2 - Enhance PTI's Knowledge Center
- Goal #3 - Leverage Influence with Academia and Code Writing Organizations
- Goal #4 - Re-energize Technical Committee Work



Goal #1: Commitment to Quality

- This was a focus of our past president Marc Khoury, and we should not lose sight of it.
- Challenge: view every problem as an opportunity!
- We have made much progress over the past 2 decades in unbonded PT quality.
- We are at the forefront of construction technology – we should lead the industry in quality.



Goal #2: Enhanced PTI's Knowledge Center

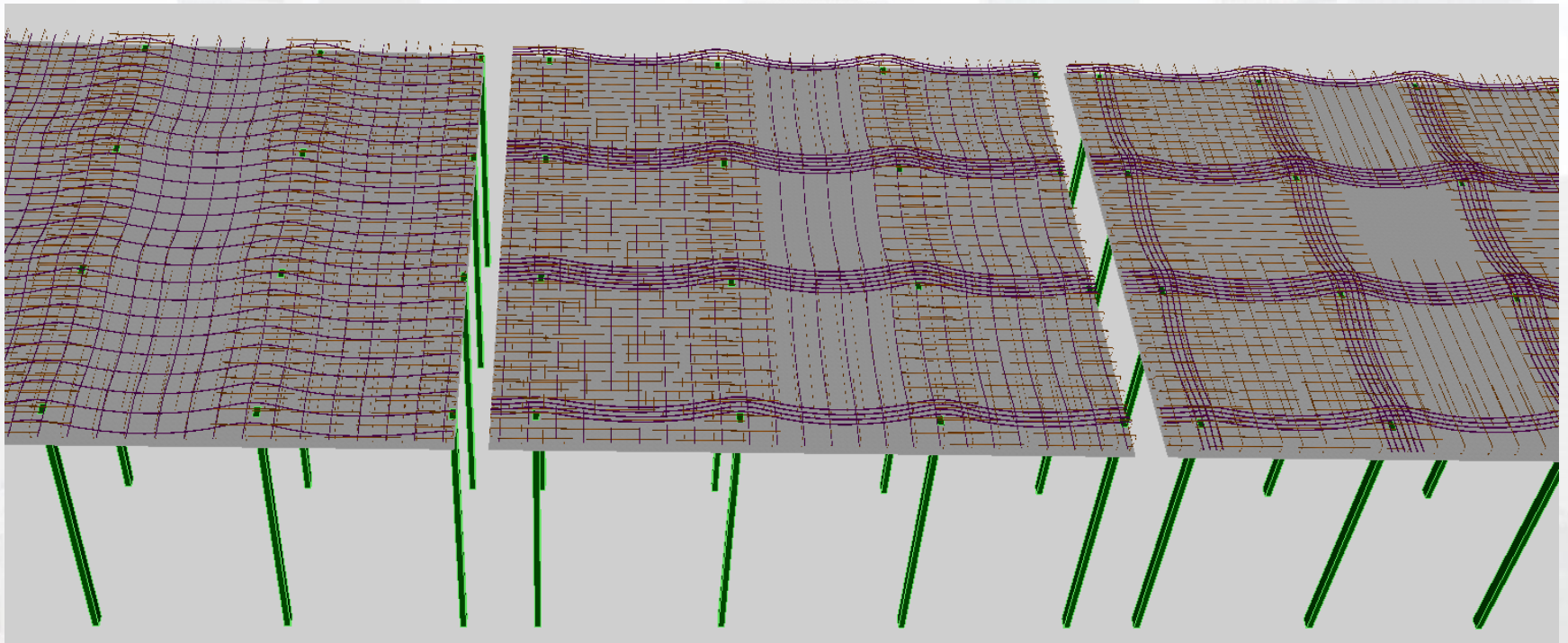
- Traditional Publications
 - Post-Tensioning Manual
 - Published Guides, Specifications, Tech Notes, etc.
- Transition Web Based Learning
 - Electronic documents
 - Webinars
 - E-Learning Modules
 - Construction Training Videos

Goal #3: Leverage Influence

- Engage Academia – invite to PTI Committees
- Teach PT to the Professors who teach prestressed concrete
- Fund research projects
- Excite Students to Enter PT Industry



Research – Dual Banded PT Slab



Goal #4: Re-Energize Technical Committees

- What committees do?
 - Guides
 - Specifications
 - Tech Notes
 - FAQ's
- Increase committee participation
 - Students
 - Professors
 - Contractors
- Look for ways to make committee work more efficient.

Conclusion

PTI as the
International
Technical Leader in PT

