

# 2011 PUBLICATIONS CATALOG



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## Coming in 2011

### **Guide for Evaluation and Repair of Unbonded Post-Tensioned Concrete Structures**

This guide is intended to provide an introduction to the evaluation and repair of existing unbonded post-tensioned concrete structures of any kind and to help familiarize owners, design professionals, contractors, suppliers, and other interested parties with the procedures, tests, equipment, and other aspects of the evaluation and repair process.

### **Guide for Practical Design of Post-Tensioned Buildings**

This guide is intended for design professionals but also for others involved with the design and construction of post-tensioned concrete building structures. It provides information on typical post-tensioned floor systems, proper design and detailing for constructibility and to minimize restraint to shortening due to stiff vertical elements, lateral load considerations, preliminary design tables for estimation of material quantities, structural observation, and field inspection.

### **Specification for Grouting of Post-Tensioned Structures**

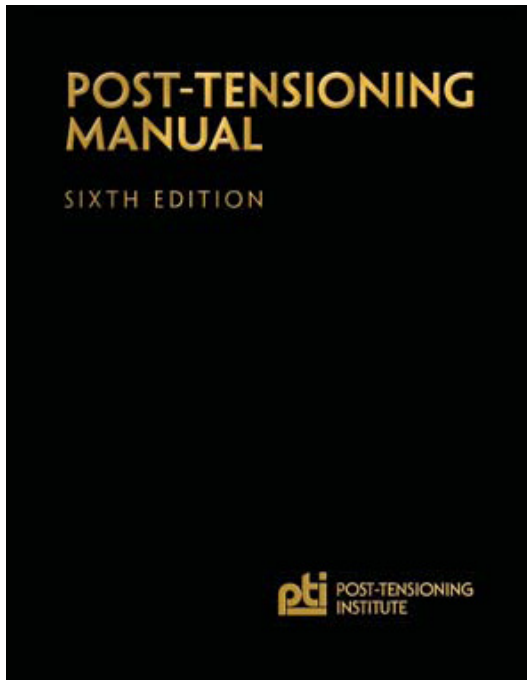
This guide specification provides minimum requirements for the selection, design, and installation of cementitious grouts and is intended for use in a wide variety of structure types, including buildings and bridges.

### **Recommendations for Stay Cable Design, Testing, and Installation – Sixth edition**

This document is a resource used worldwide for the design, testing, and installation of stay cables for bridges. The sixth edition includes several updates and additions on strength resistance factors, including extrados low fatigue systems, fire resistance qualification testing and cable loss, wind loads, HDPE pipe, etc. The sixth edition follows the load and resistance factor design format of the previous editions.

### **Specifications for Unbonded Single Strand Tendons for Slabs-on-Ground**

These specifications provide performance criteria for materials and unbonded single strand tendons, and detailed recommendations for the fabrication and installation of unbonded single strand tendons specifically used in the construction of post-tensioning slab-on-ground foundations. Specifications are presented for tendons in nonaggressive environments and for tendons in aggressive environments.



**354 pages; 9 x 12 in. (Hard cover)**  
**Public Price: \$112.50**  
**PTI Members: \$78.50**

### **Sixth edition (March 2006); PTI TAB.1-06**

The first edition of the *Post-Tensioning Manual* was published in 1972. The manual provided the industry standard for the design and construction of post-tensioned structures. Subsequent editions reflected the growing use of post-tensioning.

There have been significant advancements in post-tensioning technology in the last two decades. Post-tensioning is now used in many new areas, ranging from residential slabs-on-ground to large stay cable bridges. As a result, the sixth edition contains updated information on the current practices in the use, design, and construction of post-tensioning.

The sixth edition has been extensively rewritten and expanded from the fifth edition, which was published in 1990. The manual contains 12 new chapters that give design guidance on modern applications of post-tensioning. All of the original chapters have been completely revised and modified to reflect the current industry practices. New topics include seismic design, post-tensioned concrete floors, parking structures, slabs-on-ground, bridges, stay cables, storage structures, barrier cables, dynamic and fatigue, durability, inspection and maintenance, and field and plant certification.

This book is an invaluable resource for practicing engineers, architects, students, educators, contractors, inspectors, and building officials, providing basic information and essential principles of post-tensioning.

### **PDFs of Publications Available for Download**

The bookstore section of the PTI Web site has been updated to feature electronic PDFs of our best-selling publications. Each electronic publication is listed under its respective category (for example, Slab-on-Ground) and is available for purchase. These files are transmitted via a new file transfer system and, once the order has been processed, can be downloaded at your convenience within a 24-hour time frame.

Nearly all of our publications are available electronically as an added convenience for PTI members. Now you can quickly review our documents on-screen from the comfort of your own chair without hassle.

Check the PTI Web site for additional updates and PDF availability at [www.post-tensioning.org/bookstore.php](http://www.post-tensioning.org/bookstore.php).

Look for the PDF icon in this catalog to see which publications are available in this format. For questions about ordering, please call (248) 848-3180.

Note: PDFs are not instantly downloadable. You will receive an e-mail once your order has been processed and you will have 24 hours to download the document.



## Training and Certification of Field Personnel: Level 1 Unbonded Post-Tensioning – Field Installation (English version)

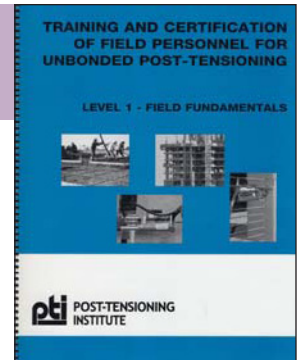
Third edition (2003)

PTI C30.1-03

This manual is used in conjunction with PTI's Level 1 Field Fundamentals training program and provides guidance for field personnel involved in inspection, installation, stressing, and finishing of unbonded single-strand tendons and barrier cables. The latest edition has been updated to include an expanded inspection checklist, information on slab-on-ground installation, and a glossary of post-tensioning terms presented in both English and Spanish.

99 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$70.00

**PTI Members: \$50.00**



## Training and Certification of Field Personnel: Level 1 Unbonded Post-Tensioning – Field Installation (Spanish version)

First edition (2006)

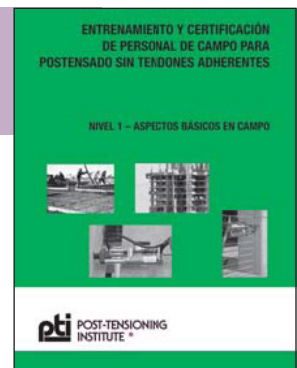
PTI C30.1S-06

*MANUAL INSTRUCTIVO PARA EL ENTRENAMIENTO Y CERTIFICACIÓN DE PERSONAL DE CAMPO PARA POSTENSADO SIN TENDONES ADHERENTES*

This manual is used in conjunction with PTI's Level 1 Field Fundamentals training program, which is now offered in both Spanish and English. This manual provides the same information as the English version, but in a modern Spanish translation.

99 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$70.00

**PTI Members: \$50.00**



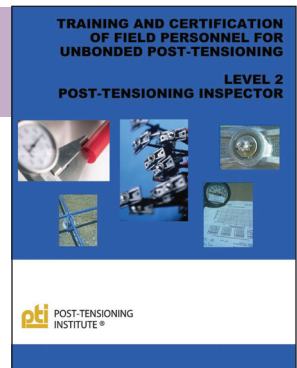
## Training and Certification of Field Personnel: Level 2 Unbonded Post-Tensioning Inspector

PTI C30.3-03

This manual is used in conjunction with PTI's Level 2 Unbonded Post-Tensioning Inspector program. The course builds on the Level 1 – Field Fundamentals course and is designed to teach an inspector about the means and methods used to install post-tensioning systems. The manual provides guidance for inspecting installation, stressing and finishing of single strand, and unbonded post-tensioning tendons. It also covers troubleshooting and inspection of repairs and barrier cable systems.

153 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$95.00

**PTI Members: \$66.50**



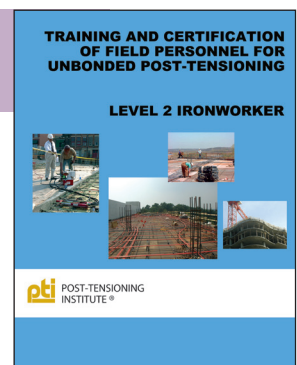
## Training and Certification of Field Personnel: Level 2 Unbonded Post-Tensioning Ironworker

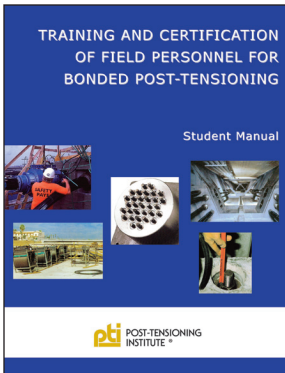
PTI C30.2-02

This course builds upon the Level 1 – Field Installation (Fundamentals) Course, and is intended to extend the knowledge and capabilities of field personnel regarding post-tensioning installation and stressing for structural concrete applications. In addition to the detailed guidance for single strand unbonded tendon installation and stressing operations, the manual also discusses encapsulation and barrier cable systems, and the reading of construction documents.

105 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$95.00

**PTI Members: \$66.50**





## Training and Certification of Field Personnel: Level 1/2 Bonded Post-Tensioning – Field Installation/Field Specialist

PTI C30.4-07

This manual is used in conjunction with PTI's Bonded Post-Tensioning – Field Installation/Field Specialist training program. The course is intended to train field personnel involved in the installation, stressing, grouting, and inspection of grouted post-tensioning systems. The manual focuses on multi-strand tendons; however, post-tensioned bar systems are also covered. It includes a discussion of post-tensioning system materials and components, materials testing, installation, stressing, grouting, corrosion protection, safety, and troubleshooting.

102 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$95.00

**PTI Members: \$66.50**



## Field Procedures Manual for Unbonded Single Strand Tendons

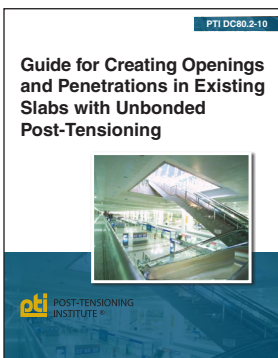
Third edition (2000)

PTI M10.3-00

This manual has been developed to provide guidance for field personnel involved in the installation, stressing, and finishing of unbonded single-strand tendons. It also provides information for the inspection of construction and the use of unbonded single-strand tendons, and contains extensive discussion of job-site troubleshooting.

61 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$23.50

**PTI Members: \$16.50**



## Guide for Creating Openings and Penetrations in Existing Slabs with Unbonded Post-Tensioning

PTI DC80.2-10

The purpose of this document is to demonstrate that making openings in existing post-tensioned slabs is not only possible but is routinely performed in retrofit projects. The document describes a comprehensive process that can be used to create openings in post-tensioned slab systems constructed with unbonded single-strand tendons. Included is a discussion of the required structural analysis as well as construction methods and procedures used to create openings. An actual project's case study illustrates the process. Many illustrations provide additional support in understanding of the subject matter.

16 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$15.00

**PTI Members: \$12.00**



## Controlled Demolition of an Unbonded Post-Tensioned Concrete Slab

Second edition (2002)

PTI DC80.1-02

This report describes the controlled demolition of 100,000 ft<sup>2</sup> of post-tensioned slab, which was necessitated by suspicion of damage due to fire. The saw-cutting procedure was used to neutralize over 900 post-tensioned tendons. The report illustrates that, if required, slabs constructed with unbonded post-tensioned tendons can safely and readily be dismantled. The report concludes with recommendations for demolition of similar projects.

30 pages; 8.5 x 11 in. (Available as a photocopy)  
Public price: \$11.00

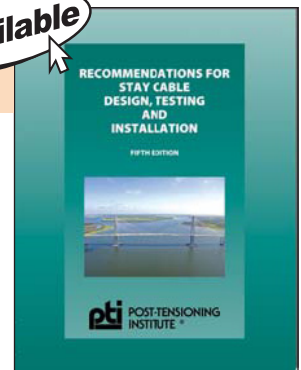
**PTI Members: \$8.00**

## Recommendations for Stay Cable Design, Testing and Installation

Fifth edition (2007)

PTI DC45.1-07

**PDF Available**



Here is the definitive resource used worldwide for the design of cable-stayed bridges. This edition includes several significant additions, including modified bending and fatigue testing provisions, new capacity reduction factors, high seismic potential and demand, and limited conditions of extrados bridges, and addresses the minimum requirements for stay anchor pipes.

The fifth edition still follows the Load and Resistance Factor Design format of the fourth edition. Updates include material supply requirements, wind provisions that explicitly address cable provisions, clarified provisions for cable loss conditions, and updates for cable installation reflecting current in-site assembly methods. Revisions in Chapter 7 incorporate the findings of a National Cooperative Highway Research Program synthesis on cable maintenance.

101 pages; 8.5 x 11 in. (Soft cover)

Public price: \$65.00

**PTI Members: \$45.50**

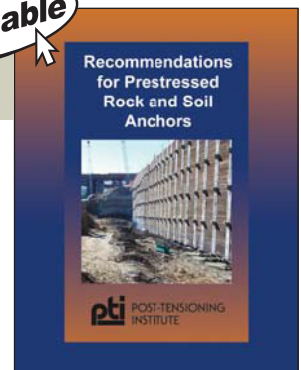
## GROUND ANCHORS

## Recommendations for Prestressed Rock and Soil Anchors

Fourth edition (2004)

PTI DC35.1-04

**PDF Available**



This manual represents the current state of practice in the application of permanent and temporary prestressed rock and soil anchors using high-strength prestressing steel. The recommendations provide practical guidance for the design, installation, and testing of grouted prestressed rock and soil anchors.

These recommendations supersede the 1996 edition and include major revisions in the requirements for:

- Corrosion protection;
- Grouts and grouting activities; and
- The use of epoxy-coated strand.

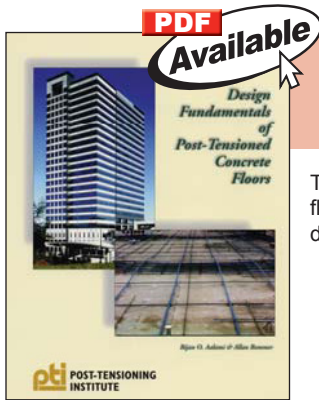
Additionally, numerous changes were made to further enhance the understanding of anchor technology.

This document is prepared by the PTI Committee for Prestressed Rock and Soil Anchors with input and review by the International Association of Foundation Drilling Anchored Earth Retention Committee.

98 pages; 8.5 x 11 in. (Soft cover)

Public price: \$49.50

**PTI Members: \$35.00**



## Design Fundamentals of Post-Tensioned Concrete Floors

First edition (1999)

PTI DC20.6-99

This book presents fundamental design concepts, methodologies, and construction practices of post-tensioned concrete floors, and brings the design concepts to the point of practical application. The presented concepts, practical hints, and detailed comparisons of computer-aided design methods provide a solid base for professional design efforts.

178 pages; 8.5 x 11 in. (Soft cover)

Public price: \$65.00

**PTI Members: \$45.50**



## Design of Post-Tensioned Slabs Using Unbonded Tendons

Third edition (2004)

PTI DC20.8-04

This edition incorporates the provisions of ACI 318-02 Building Code and ACI 423.3R-03, "Recommendations for Concrete Members Prestressed with Unbonded Tendons." This manual is updated to reflect the latest in post-tensioning industry design practices and presents the basic concepts of designing post-tensioned floor systems in a clear and concise matter.

87 pages; 8.5 x 11 in. (Soft cover)

Public price: \$42.50

**PTI Members: \$30.00**



## Design, Construction and Maintenance of Cast-in-Place Post-Tensioned Concrete Parking Structures

First edition (2001)

PTI DC20.7-01

This manual is a comprehensive reference for the design, construction, and maintenance of free-standing, cast-in-place concrete parking structures. The emphasis is on design, construction, and maintenance practices that will ensure long-term durability and minimize life cycle costs. Standard details and case histories are also provided.

159 pages; 8.5 x 11 in. (Soft cover)

Public price: \$64.50

**PTI Members: \$45.50**



## Anchorage Zone Design

First edition (2000)

PTI M50.2-00

This manual provides guidance on the comprehensive treatment of tendon anchorage zone requirements and analysis methods. There is a special emphasis on practical applications of a strut-and-tie design approach, which is recommended by AASHTO and ACI. Step-by-step design analyses for a number of typical anchorage zone conditions are included in this manual.

46 pages; 8.5 x 11 in. (Soft cover)

Public price: \$30.00

**PTI Members: \$21.00**

## Acceptance Standards for Post-Tensioning Systems

First edition (1998)

PTI M50.1-98



This publication provides specific technical requirements for the approval and acceptance of post-tensioning systems. Standards and performance requirements for prestressing materials, bearing plates, wedge plates, connections, and sheathing are discussed in detail. Qualification tests and acceptance criteria are presented for each of the individual components as well as for the complete system. A system approval summary outlines the test requirements and number of successful tests necessary for approval of a post-tensioning system. This document is not intended to cover unbonded monostrand post-tensioning systems, which have their own separate specification.

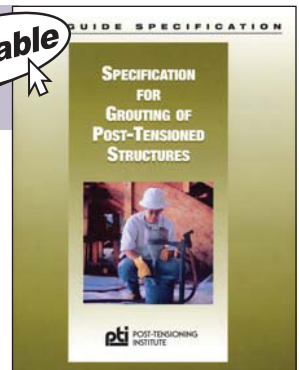
53 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$42.50

**PTI Members: \$30.00**

## Specification for Grouting of Post-Tensioned Structures

Second edition (2003)

PTI M55.1-03



This specification provides minimum requirements for the selection, design, and installation of cementitious grouts and ducts for steel post-tensioned systems used in concrete construction. It is intended for use in a wide variety of structure types, including buildings and bridges. Portions of this specification also apply to cable-stayed bridges.

60 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$30.00

**PTI Members: \$21.00**

## Specification for Unbonded Single Strand Tendons

Second edition (amended May 2003 to include Slab-on-Ground Applications)

PTI M10.2-00



This publication presents performance specifications for single-strand unbonded post-tensioning tendons in prestressed concrete structures. Specifications are given for both tendons in normal and aggressive (corrosive) environments. A commentary to each section is also provided. Revisions include clearer guidelines on defining aggressive environments, acceptance criteria for prestressing strand, compliance standards for encapsulated assemblies, and general enhanced provisions for corrosion protection of unbonded tendons.

36 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$23.00

**PTI Members: \$16.50**

## Specification for Seven-Wire Prestressing Steel Strand for Barrier Cable Applications

Second edition (2007)

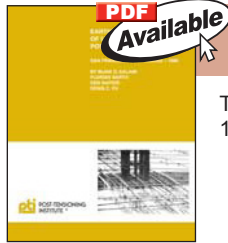
PTI M10.4-07



This updated specification provides information covering the use of seven-wire prestressing steel strand for barrier cable systems (vehicle restraint) and includes details for their installation and stressing. Information is given regarding strands with different coatings, as well as various anchorage systems. These specifications are written for parking structure applications; however, the document is intended to be used as a reference or incorporated in its entirety in the project specifications of any building project using a barrier cable system.

18 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$21.50

**PTI Members: \$15.50**



## Earthquake Performance of Unbonded Post-Tensioned Buildings

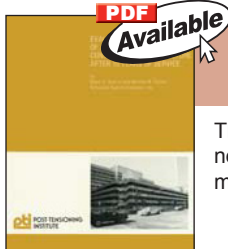
PTI DC20.4-90

This report presents the results of a survey featuring over 200 post-tensioned buildings located in the area most affected by the 1989 Loma Prieta earthquake near San Francisco, CA.

16 pages; 8.5 x 11 in. (Available as a photocopy)

Public price: \$11.00

**PTI Members: \$8.00**



## Evaluation of the Condition of a Post-Tensioned Concrete Parking Structure After 15 Years of Service

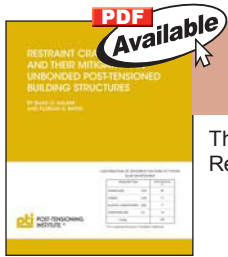
PTI DC20.5-90

This report describes the demolition of a 15-year-old parking structure in Baltimore, MD, which permitted the construction of a new building at the site. The objective was to investigate the condition of the unbonded tendons after 15 years of service in a moderately aggressive environment.

15 pages; 8.5 x 11 in. (Soft cover)

Public price: \$11.00

**PTI Members: \$8.00**



## Restraint Cracks and Their Mitigation in Unbonded Post-Tensioned Building Structures

PTI DC20.2-88

This report reviews the consequences of cracks on serviceability and the strength of post-tensioned buildings. Recommendations are made for crack mitigation and maintenance of buildings that are post-tensioned with unbonded tendons.

49 pages; 8.5 x 11 in. (Available as a photocopy)

Public price: \$20.25

**PTI Members: \$14.50**



## Strength and Behavior of Closely Spaced Post-Tensioned Monostrand Anchorages

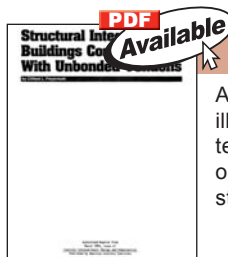
PTI DC20.1-87

This report describes results of slab specimens with groups of monostrand tendon anchorages. It also includes reinforcing details, which provide adequate anchorage zone factors of safety.

49 pages; 8.5 x 11 in. (Soft cover)

Public price: \$16.00

**PTI Members: \$11.50**



## Structural Integrity of Buildings Constructed with Unbonded Tendons

PTI DC20.3-89

An authorized reprint from *Concrete International* magazine, published by the American Concrete Institute. This article illustrates the redundancy and reserve capacity of buildings constructed with unbonded tendons. Case studies of laboratory tests and construction incidents or accidents that have demonstrated the capability of unbonded tendons to resist abnormal or catastrophic loadings are presented. Also presented are design recommendations for the enhancement of inherent structural integrity of buildings constructed with unbonded tendons.

8 pages; 8.5 x 11 in. (Soft cover)

Public price: \$5.00

**PTI Members: \$3.50**



## Ten-Year Marine Atmosphere Exposure Test of Unbonded Prestressed Concrete Prisms

PTI M10.1-88

This report describes test procedures and materials used to provide corrosion protection to unbonded tendons in concrete prisms exposed to the tidal zone at Osaka Bay for 10 years. Tests of strand samples and tendon assemblies from test prisms exceeded physical requirements after 10 years of exposure.

60 pages; 8.5 x 11 in. (Soft cover)

Public price: \$16.00

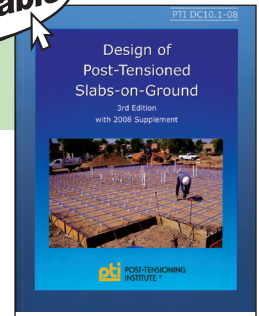
**PTI Members: \$11.50**

## Design of Post-Tensioned Slabs-on-Ground

Third edition with 2008 supplement  
Also available: 2004 edition

PTI DC10.1-08

**PDF Available**



This manual provides recommendations for economical post-tensioned slab-on-ground foundations. It presents guidelines for soil investigation, design, and construction of post-tensioned residential and light commercial slabs on expansive or compressible soils. It includes three complete design examples and information on the design of industrial floors on stable soils. The third edition provides notable revisions in several chapters, meant to clarify or guide the designer in the application of this design procedure and its limitations. In addition, it offers a design method for “uniform thickness foundations” and modifies the permissible shear stress equation.

155 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$69.50

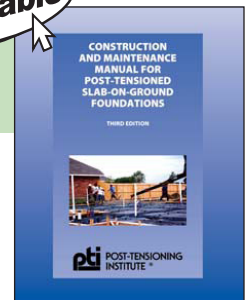
**PTI Members: \$48.50**

## Construction and Maintenance Manual for Post-Tensioned Slab-on-Ground Foundations

Third edition (2006) Also available in pocket size.

PTI DC10.2-06

**PDF Available**



The updated third edition (2006) incorporates the recommendations of the third edition of *Design of Post-Tensioned Slabs-on-Ground* (see below). This manual provides guidance for builders, subcontractors, and field personnel involved in the installation, stressing, and finishing of unbonded single-strand tendons used in the construction of light commercial and residential ground-supported foundation slabs.

64 pages; 8.5 x 11 in. (Soft cover)  
Pocket size: 116 pages; 4 x 7 in. (Soft cover)  
Public price: \$35.00

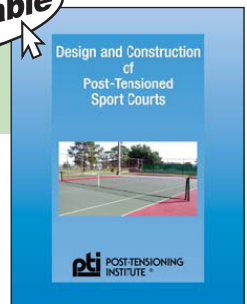
**PTI Members: \$24.50**

## Design and Construction of Post-Tensioned Sport Courts

First edition (2006)

PTI DC10.3-06

**PDF Available**



This publication presents design and construction recommendations for post-tensioned slabs intended for use as a sport court. The usage of this book is intended for designers, contractors, inspectors, and building officials. The book also covers common construction and detailing issues. Chapter highlights include general considerations, design requirements, detailing considerations, construction practices, sample specification provisions, elongation, final effective force, and conversion factor tables.

20 pages; 8.5 x 11 in. (Soft cover)  
Public price: \$27.50

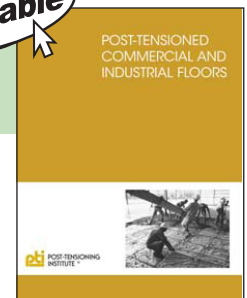
**PTI Members: \$19.25**

## Post-Tensioned Commercial and Industrial Floors

First edition (1983)

PTI DC10.7-83

**PDF Available**



This book presents an introductory discussion on the development of post-tensioned slab-on-ground applications, 10 case studies of post-tensioned commercial and industrial floor projects (including a “super-flat” floor, tennis courts, and a storage yard overlay), as well as design and construction recommendations.

35 pages; 8.5 x 11 in. (Available as a photocopy)  
Public price: \$11.00

**PTI Members: \$8.00**

## PTI Technical Conference Proceedings

Copies of abstracts, presentation slides, and papers from the Annual PTI Technical Conference & Exhibition.

Proceedings, 2002 Conference, San Antonio, TX  
 Proceedings, 2003 Conference, Huntington Beach, CA  
 Proceedings, 2004 Conference, Charlotte, NC\*  
 Proceedings, 2005 Conference, Denver, CO\*  
 Proceedings, 2006 Conference, Reno, NV\*  
 Proceedings, 2007 Conference, Miami, FL\*

\* Available on CD-ROM only.

Public price: \$42.50 each  
**PTI Members: \$30.00 each**

## PTI Technical Notes

The following brief technical documents have been developed to provide supplemental guidance of specific areas of post-tensioning design, construction, and performance. *(Please note the price difference for PTI DC10-TN-12-03.)*

PTI TAB-TN-01-93: Effective Width and Post-Tensioning  
 PTI M10-TN-02-93: Wedge Forces on Post-Tensioned Strand Anchors  
 PTI TAB-TN-03-93: One-Way and Two-Way Post-Tensioned Floor Systems  
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 PTI DC10-TN-15-05: Thicker is Weaker?

Public price: \$3.50 each  
**PTI Members: \$2.00 each**

PTI DC10-TN-12-03:  
 Public price: \$15.00  
**PTI Members: \$10.00**

PTI TAB.2-09: A complete collection of the above technical notes, together with the Frequently Asked Questions and technical update shown below, is now available.

PTI TAB.2-09:  
 Public price: \$42.50  
**PTI Members: \$30.00**

## Frequently Asked Questions/Technical Update

Six issues of Frequently Asked Questions (FAQs) and the Technical Update have been prepared by the PTI Slab-on-Ground Committee to provide guidance on various questions relating to the design and construction of post-tensioned slabs-on-ground.

PTI DC10-FAQ-01-99: Slab-on-Ground Construction  
 PTI DC10-FAQ-02-00: Slab-on-Ground Construction  
 PTI DC10-FAQ-03-01: Slab-on-Ground Construction  
 PTI DC10-FAQ-04-03: Slab-on-Ground Construction  
 PTI TAB-FAQ-05-07: Shrinkage and Temperature Reinforcement  
 PTI M10-FAQ-06-07: Field Elongation Measurements  
 PTI DC10-FAQ-07-09: Soil Suction Profiles for Slab-on-Ground Applications  
 PTI DC10-FAQ-08-09: Back-Up Bars for Slab-on-Ground Applications  
 PTI DC70-FAQ-09-10: Shrinkage and Temperature Reinforcement in Two-Way PT Slabs  
 PTI DC70-FAQ-10-10: The Use of Drop Caps to Reduce Flexural Reinforcement in Two-Way PT Slabs  
 PTI DC70-FAQ-11-10: Proper Filling of Single-Strand Tendon Stressing Pockets  
 PTI DC10-FAQ-12-10: Design of Uniform Thickness Foundations  
 Technical Update: Minimum Tendon Cover and Slab Thickness for Post-Tensioned Slabs-on-Ground

Public price: \$3.50 set  
**PTI Members: \$2.00 set**

## About PTI

Established in 1976, Post-Tensioning Institute is recognized as the worldwide authority on post-tensioning. PTI is dedicated to expanding post-tensioning applications through marketing, education, research, teamwork, and code development, while advancing the quality, safety, efficiency, profitability, and use of post-tensioning systems.

Members of the Institute include major post-tensioning material fabricators in the U.S., Canada, and Mexico, manufacturers of prestressing materials in the U.S., Canada, Mexico, Asia, and Europe, and companies supplying materials, services, and equipment used in post-tensioned construction. In addition, PTI has more than 500 Professional Members.

## PTI Professional Membership Information

### Discount on PTI Publications

Save up to 30% on PTI publications. Receive special publication offers for additional savings throughout the year.

### Complimentary Publications, Magazine, Newsletters, and Technical Journal

Professional Members receive numerous complimentary publications throughout the year. The *PTI Newsletter* is published several times per year and contains interesting information about industry developments. New FAQs, Technical Notes, and Updates are also provided to members. PTI Professional Members will receive a complimentary subscription to the *PTI JOURNAL*.

### Educational Opportunities

Members receive discounts on educational seminars and workshops. Over 20 seminars and workshops dealing with various aspects of post-tensioning design and construction are planned in 2011.

### Annual Conference & Exhibition

The Annual PTI Conference & Exhibition will be held in Kansas City, MO, on May 1-3, 2011. Technical sessions, committee meetings, certification workshop, and a trade exhibit presenting the latest post-tensioning technology will be featured. PTI members can register at a reduced member rate.

### Technical Support

The PTI staff and professional membership is available to help you with your post-tensioning questions and concerns. A discussion forum is available on the PTI Web site.

### Technical Committees

Professional Members have the opportunity to participate on PTI technical committees. This is a chance for you to influence the future of post-tensioning and learn the latest state-of-the-art developments. PTI has 13 standing technical committees: Certification, Education, Unbonded Tendons, Bonded Tendons, Building Design, Repair, Rehabilitation & Strengthening, Sustainability, Bridges, Cable-Stayed Bridges, Grouting, Slabs-on-Ground, Prestressed Rock and Soil Anchors, and Special Topics. In addition, the Technical Advisory Board reviews all technical, promotional, and research publications of the Institute.

### Future Workforce Development and Training

PTI supports the development of structural engineering students. This support includes the development of a prototype curriculum for teaching post-tensioning design. The Education Committee is the liaison with structural engineering professors and develops student support programs. As a PTI Professional Member, you will be supporting the development of qualified, future designers of post-tensioned concrete structures.

### Certification

The PTI Field Certification Program is rapidly growing and is an industry effort to ensure quality construction. Training and certification workshops are geared toward customer needs to obtain the desired level of certification and are available to members at a reduced cost. PTI Certification Level 1 Unbonded PT - Field Installation will benefit anyone involved in unbonded post-tensioning construction, including engineers, construction managers, inspectors, building code officials, contractors, ironworkers, and other installers. PTI Certifications Level 2 Unbonded PT Inspector and Level 2 Unbonded PT Ironworker will also continue this year, providing more advanced and specialized training for inspectors and ironworkers. PTI Certifications Level 1 Bonded PT - Field Installation and Level 2 Bonded PT Field Specialist are also available for all involved with the construction of bonded post-tensioned bridges or other structures.

### Directory

Professional Members are listed in the PTI Directory. All Professional Members receive a complimentary copy.

### Business Development and Networking Opportunities

As a PTI Professional Member, you are identified as an individual who has specialized expertise and interest in post-tensioning. Many people contact PTI and refer to the PTI Directory when looking for engineering or other professional services. In addition, PTI committees and other meetings are an excellent way to meet and get to know other professionals and industry representatives with an interest in post-tensioning.

# PTI Professional Membership Application

Persons qualifying for Professional Membership in accordance with the definitions below who accept and agree to be governed by the by-laws of the Post-Tensioning Institute may apply for Professional Membership by completing this form and mailing it to PTI with payment of the first year's dues. All membership applications must be approved by the PTI Board of Directors. *Note: Persons who work for companies that are eligible for one or more company-level categories of membership **may not** apply for Professional Membership unless the company is also a member.*

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