

POST-TENSIONING DESIGN FOR BUILDING STRUCTURES

THIS INTENSIVE SEMINAR will focus on post-tensioning (PT) design, analysis, and construction considerations. Durability issues and the available PT systems will also be reviewed. Presentations will include hands-on training with practical examples to illustrate the topics covered. Key design concepts, code requirements, and useful design and construction tips will also be discussed.

This seminar is designed for individuals with some experience in PT design.

A half-day seminar (4 PDH/0.4 CEU credits)

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POST-TENSIONING INSTITUTE
Stressing the Stronger Concrete Solution™

SEMINAR HIGHLIGHTS INCLUDE:

- **Post-Tensioning Technology:** Recent innovations in PT materials, fabrication, installation considerations, common systems, and applicable specifications.
- **Design & Analysis:** Key concepts such as load balancing, secondary moments and prestress losses, applicable recent building code requirements and their impact on design, hands-on preliminary design with factors affecting the selection of structural systems, detailed analysis with techniques for modeling of one- and two-way slabs, and structural drawings and detailing.
- **Applications:** Project examples to illustrate various uses of PT in buildings, tendon arrangement in common floor systems, use of external PT in the retrofit of existing structures, and facts and myths about post-tensioned structural members as compared to reinforced concrete members.
- **Construction:** Installation considerations, common design mistakes, issues related to drawing review, site inspection, interaction with other trades, various structural element interaction, and construction/coordination issues; repair of post-tensioned structures.

WHO SHOULD ATTEND:

- Engineers
- Designers / Architects
- Building Officials
- Plan Checkers
- Code Specifiers
- Project Managers
- Contractors and Installers
- Inspectors
- Students
- Others involved in PT

SCHEDULE:

Registration: 7:30 a.m.—8:00 a.m./Seminar: 8:00 a.m.—12:00 p.m.



