



Practical Design of Post-Tensioned Buildings

Tuesday, May 18, 2010

This half day seminar on the use of post-tensioning (PT) for concrete structures will focus both on the design of post-tensioning systems and on the practical considerations necessary for preventing performance deficiencies and field problems. Key concepts of post-tensioning and its advantages over mildly reinforced concrete will be discussed. A variety of topics will be covered beginning with the basics such as post-tensioning methodology, code criteria and stress losses to more advanced concepts such as load balancing, anchorage zone design and external post-tensioning. Practical considerations such as layout of restraining elements to avoid cracking, utilizing slip details to mitigate cracking and efficient placement of pour strip locations will also be addressed. Design examples will be presented as time permits. Application of post-tensioning to bridge structures will be briefly reviewed; however, the focus of this seminar will be its use in buildings.

The seminar will be presented by Ken Nizamuddin, S.E., P.E., Senior Project Manager with Halvorson and Partners in Chicago. Ken received his MSCE with a specialization in Structures from the University of California at Berkeley. He also has an MS in Transportation degree from the University of Illinois at Chicago and an MBA from DePaul University, Chicago. He is a Licensed Structural Engineer and a Professional Engineer in Illinois. Ken has more than 20 years of diversified experience in building design. His project portfolio includes high rise buildings, commercial and office buildings, industrial buildings, gymnasiums, parking garages, schools and hospitals. Over the years, he has been involved in the design, detailing and field inspections of numerous post-tensioned buildings.

This course is intended for structural engineers, architects, contractors, developers and others interested in post-tensioned structures.

This workshop will provide 4.0 hours of continuing education. Please plan to attend the entire time to receive credit.

Date: May 18, 2010
Place: UBS Tower, One North Wacker Drive, Michigan I Room
Time: 8:00 a.m. to 12:00 noon (continental breakfast available at 7:30 a.m.)
Cost: \$175 for SEAIOI members, \$250 for non-members (early registration price)

Registration Form

**Post –Tensioned Building
Design
8 am to 12pm
May 18, 2010**

Available via the Web! Check the box for Web access

Name	E-Mail Address	Daytime Phone
Company Name		Cell Phone
Mailing Address		Yes No SEAIOI Member?
City / State / Zip		
<input type="checkbox"/> Charge to Credit Card	<input type="checkbox"/> Check Enclosed (payable to SEAIOI)	
<input type="checkbox"/> Card #	Exp. Date	Amount Enclosed
Signature		

MAIL FORM AND PAYMENT TO:

SEAIOI
134 N. LaSalle St., Ste. 1910
Chicago, IL 60602

Or fax your registration form to:
312.726.4166

Cancellation Fee by May 10: \$50

No Refunds after May 10

<u>Seminar Location:</u>	<u>Seminar Fee:</u>	<u>By May 10</u>	<u>After May 10</u>
UBS Tower 1North Wacker, Michigan I Room Chicago	SEAIOI Members: Non-Members:	\$175 \$250	\$225 \$300