

Design of Low-Rise Reinforced Concrete Buildings

August 24, 2010



This full-day seminar will assist in the analysis, design, and detailing of low-rise reinforced concrete buildings in accordance with the 2009 International Building Code and the 2008 ACI Building Code Requirements for Structural Concrete.

The following topics are covered:

- Selection of economical floor system
- Selection of lateral system
- Design and detailing for SDCS A and B
- Design and detailing for SDC C
- Design and detailing for SDCS D, E, and F

Flowcharts, design aids, and worked-out examples are presented that illustrate the design and detailing of beams, slabs, columns, walls, diaphragms, and foundations for different seismic design categories. Approximate methods to determine lateral stiffness of lateral-force-resisting systems and distribution of lateral forces to the vertical resisting elements are also provided.

David A. Fanella, Ph.D., S.E., P.E., F.ASCE, is Associate Principal and Director of New Structures at Klein and Hoffman Inc., Chicago, IL. Dr. Fanella holds a Ph.D. in structural engineering from the University of Illinois at Chicago and is a licensed Structural Engineer in the State of Illinois and a licensed Professional Engineer in numerous states. He is currently President of the Structural Engineers Association of Illinois. Dr. Fanella is an active member of a number of American Concrete Institute (ACI) Committees, is an Associate Member of the ASCE 7 Committee, and serves on the board of the Applied Technology Council. He has authored or co-authored many structural publications, including a series of articles on time-saving methods for reinforced concrete design.

The seminar will provide 8.0 hours of continuing education credit. Advance reservations are required – please see instructions below. If you have questions on the seminar, please contact Elizabeth O'Connor at 312-726-4165 x301.

Registration Form				
Design of Low-Rise Reinforced Concrete Bldgs. August 24, 2010	Name	E-Mail Address		Daytime Phone
	Company Name			Cell Phone
	Address			Yes No SEAOI Member?
	City / State / Zip			
<u>MAIL FORM AND PAYMENT TO:</u> SEAOI 134 N. LaSalle Street, Ste. 1910 Chicago, IL 60602 <u>Or fax your registration form to the SEAOI office at 312.726.4166</u>	<input type="checkbox"/> Charge to Credit Card		<input type="checkbox"/> Check Enclosed (payable to SEAOI)	
	Card No.	Expiration Date	Amount Enclosed	
	Signature			
Available via the Web! Check the box for Web access <input type="checkbox"/>				
Registration Deadline: Aug. 16	<u>Seminar Location:</u>	<u>Seminar Fee:</u>	<u>By Aug. 16</u>	<u>After Aug. 16</u>
Late Registration: Aug. 16-24	UBS Tower, 1 N. Wacker Chicago, IL 60606	SEAOI Members:	\$300	\$375
Cancellation Fee by Aug. 16: \$50	Michigan I Room	Non-Members:	\$400	\$475
No Refunds after Aug. 16				