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Topics to be covered include:
- Definition of exposure categories and classes for durability
- Enhanced structural integrity reinforcement
- Headed shear stud reinforcement and headed deformed bars
- New design requirements for most Seismic Design Categories
- Expanded and enhanced Appendix D, Anchoring to Concrete
- And much more!

ACI 318-08 Building Code

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Attend this seminar to learn the new Code provisions and how to implement them correctly in your day-to-day work. Instructors will explain each change, why it was made, and what it means to you as a designer and specifier of structural concrete.

locations & dates

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There are many important changes in ACI 318-08. The licensed design professional is required to assign exposure categories and classes based on the severity of the anticipated exposure of structural members to achieve durability. Requirements are presented to select effective stiffness to determine lateral deflections. A new simple procedure helps determine if compression members are considered braced or unbraced. Provisions are introduced for the design of headed stud assemblies. Design and detailing requirements are correlated with the Seismic Design Categories in the IBC. The use of high-strength confining steel is permitted to help reduce congestion. The beneficial effect of supplementary reinforcement and anchor reinforcement on the capacity of anchors is quantified.

Some of the major topics covered in this seminar include:
- New provisions for headed shear stud reinforcement and headed deformed bars
- Licensed design professional to prescribe new exposure categories and classes for durability requirements
- Enhanced structural integrity requirements
- Modeling procedure for evaluation of lateral displacements
- Increased allowable concrete compression stress immediately after prestress transfer
- Use of supplementary reinforcement and anchor reinforcement to enhance the capacity of anchors
- Ductility requirements for anchors in seismic zones
- Reorganized and enhanced provisions for Earthquake-Resistant Structures in order of increasing Seismic Design Category
- Increased design yield strength for confinement reinforcement to help reduce congestion

Also covered in this seminar are the following topics:
- Introduction of “shear cap” and differentiation with “drop panel” for two-way slabs
- Strength test based on three 4 x 8 in. cylinders or two 6 x 12 in. cylinders
- A 12-month limit set on historical data used to qualify mixture proportions
- Modified strength reduction factors for spirally reinforced columns and plain concrete
- Simple procedure to define braced and nonbraced compression members, and reorganized column slenderness provisions
- Limits on depths of beams and hollow core units exempted from the requirement for minimum shear reinforcement
- Steel fiber-reinforced concrete as an alternative to minimum shear reinforcement
- Modified limit on shear friction strength for monolithically placed concrete and concrete placed against intentionally roughened concrete
- Modified load factors for required test load

All instructors served on the committee that approved ACI 318-08. For more detailed information on the faculty, go to www.concreteseminars.com.

ACI and PCA are not responsible for statements or opinions expressed by instructors.
who should attend ►

Engineers, architects, specifiers, building officials, and others involved with structural concrete.

seminar times ►

Registration begins at 7:45 a.m., with the seminar running from 8:00 a.m. to 5:00 p.m. Continental breakfast, lunch, coffee breaks, and free publications are included.

hosts ►

This seminar is a joint effort of the American Concrete Institute and the Portland Cement Association. ACI publishes the 318 Building Code and other concrete codes and standards. Long an active participant in ACI Committee 318, PCA has maintained the committee Secretariat for over 50 years. PCA produces the Notes on ACI 318 to assist the engineer and architect in the proper application of the ACI 318 design standard. Since 1983, PCA and ACI have presented seminars on changes introduced in each new edition of the 318 Code. The seminar is cosponsored by your local ACI Chapter and other local groups.

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- ACI 318-08: Building Code Requirements for Structural Concrete and Commentary
- PCA Notes on ACI 318-08
- Seminar lecture notes

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