

ACI 318-19: Changes to the Concrete Design Standard

In-House Seminar

ONE DAY, 7.5 HOURS (7.5 PDHs/0.75 CEUs)

Who should attend: Structural engineers, specifiers, building officials, contractors, architects, and inspectors interested in quickly understanding how the code has been reorganized and how to quickly find provisions of interest.

Program Content:

This seminar covers the major changes in the 2019 edition of ACI 318, “Building Code Requirements for Structural Concrete (ACI 318-19) and Commentary. This edition is the first edition of ACI 318 in 5 years and the first update since the reorganization of the code in the 2014 edition. All major changes in this edition of the code will be presented and discussed. This includes major changes centered around the topics of higher reinforcing steel yield strengths for many applications and the associated design provision changes; the addition of shotcrete provisions; deep foundation provisions; seismic requirements for deep foundations and other applications; vertical seismic motions; nonlinear analysis for seismic design; modification to development length equations; and updated shear design provisions and equations. The new organization of the code started in the 2014 edition and additional enhancements to the code will be presented. These assist the designer in quickly locating the provisions they need and help assure users they are meeting all of the code requirements.

Learning Objectives:

- Understand where higher grades of reinforcement are accepted and changes to the requirements for structural concrete to allow the higher reinforcement grades, including development lengths and phi factors.
- Identify the added requirements to address shotcrete as a concrete placement method.
- Explain the expanded scope of deep foundation provisions, including seismic requirements.
- Learn the new requirements for post-installed screw type anchors and shear lug design for anchoring to concrete.
- Describe the changes to shear design provisions and equations.
- Describe tension longitudinal reinforcement requirements in special structural walls.

Instructors:

Two industry experts will present this seminar.

Related Documents:

To expand attendees knowledge, ACI In-House Seminar customers may purchase multiple copies of related documents at 50% off the regular price.

- Building Code Requirements for Structural Concrete and Commentary (ACI 318-19)

Up to 40 copies of the presentation slides included. Additional copies can be purchased.

ACI is an approved education provider for AIA and ICC.



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