

## ACI releases new structural concrete specifications



The American Concrete Institute (ACI) has released two important new documents for concrete industry professionals: ACI 301-16 *Specifications for Structural Concrete* and the *ACI Field Reference Manual*.

ACI 301-16 is a reference specification that an architect or engineer can apply to any construction project involving structural concrete by citing it in the project specifications. A mandatory-requirements checklist and an optional-requirements checklist are provided. These checklists assist architects and engineers in supplementing the provisions of this specification by allowing them to designate or specify individual project requirements.

The first five sections of the specifications cover general construction requirements for cast-in-place structural concrete and slabs on ground. Provisions governing testing, evaluation, and acceptance of concrete as well as acceptance of the structures are included. The remaining sections are devoted to precast structural concrete, precast architectural concrete, posttensioned


concrete, architectural concrete, lightweight concrete, mass concrete, shrinkage-compensating concrete, industrial floor slabs, and tilt-up construction.

"There are several major updates to the 2016 document from the previous version published in 2010, including more contractor-friendly language, removal of default requirements for slump, and provisions on alkali silica reactivity," says Michelle Wilson, chair of ACI Committee 301, Specifications for Structural Concrete. "The specifications have been made clearer for the user by removing wording that is confusing or subject to interpretation."

ACI 301-16 complements the completely reorganized *Building Code Requirements for Structural Concrete (ACI 318-14)* and *Commentary (ACI 318R-14)*. The specifications are inclusive of almost all forms of structural concrete that are used in the building construction industry.

The *ACI Field Reference Manual* is a compilation of ACI 301-16 and additional ACI documents on measuring, mixing, transporting, and placing concrete; concrete pumping methods; hot- and cold-weather concreting; concrete consolidation; and concrete formwork. ACI 301-16 requires that contractors keep a copy of the *ACI Field Reference Manual* in the field office of any project where ACI 301 is specified.

ACI 301-16 is also included in the new 2016 edition of the Concrete Construction Special Inspector reference package and is covered in three on-demand courses on ACI's website, <http://www.concrete.org>. Learn more about ACI 301-16 by viewing <http://youtu.be/Kbp-StWuBS0>.

—Source: ACI 

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## INDUSTRY CALENDAR

### Events

For the most current information on events, visit <http://www.pci.org/events>.

<b>AASHTO 2016 Annual Meeting</b> Westin Boston Waterfront, Boston, Mass.	November 10–16, 2016
<b>PCA Annual Summit</b> The Breakers, Palm Beach, Fla.	November 13–15, 2016
<b>fib Symposium 2016: Performance-Based Approaches for Concrete Structures</b> Cape Town, South Africa	November 21–23, 2016
<b>TRB 96th Annual Meeting</b> Washington, D.C.	January 8–12, 2017
<b>61st BetonTage</b> Edwin-Scharff-Haus Congress Center, New Ulm, Germany	February 14–16, 2017
<b>ASCE CI Summit</b> Anaheim, Calif.	March 2–5, 2017
<b>11th High Performance Concrete and Second Concrete Innovation Conference</b> Clarion Hotel The Edge, Tromsø, Norway	March 6–8, 2017
<b>ACI Spring Convention</b> Marriott Detroit at the Renaissance Center, Detroit, Mich.	March 26–30, 2017
<b>SEI Structures Congress</b> Colorado Convention Center, Denver, Colo.	April 6–8, 2017
<b>2017 PTI Convention</b> Hyatt Regency, Atlanta, Ga.	April 30–May 3, 2017
<b>fib Symposium 2017: High Tech Concrete: Where Technology and Engineering Meet</b> Maastricht Exhibition and Conference Centre, Maastricht, Netherlands	June 12–16, 2017
<b>AASHTO 2017 Annual Meeting</b> Sheraton Grand Phoenix, Phoenix, Ariz.	September 25–28, 2017
<b>Third International Symposium on Ultra-High Performance Fibre-Reinforced Concrete</b> The Corum, Montpellier, France	October 2–4, 2017
<b>ASCE 2017 Convention</b> New Orleans, La.	October 8–11, 2017
<b>ACI Fall Convention</b> Disneyland Hotel, Anaheim, Calif.	October 15–19, 2017
<b>Greenbuild</b> Boston Convention and Exhibition Center, Boston, Mass.	November 8–10, 2017
<b>TRB 97th Annual Meeting</b> Washington, D.C.	January 7–11, 2018
<b>ACI Spring Convention</b> Grand America and Little America, Salt Lake City, Utah	March 25–29, 2018
<b>Fifth International fib Congress: Better – Smarter – Stronger</b> Melbourne Convention and Exhibition Centre, Melbourne, Australia	October 6–12, 2018