What's New from aci

TECHNICAL DOCUMENTS

ACI 131.2R-17: Guide to Use of Industry Foundation Classes in Exchange of Reinforcement Models

This guide provides a protocol for the exchange of data related to reinforcing steel between software applications. This guide presents a human-readable list of reinforcing steel entities, attributes, property sets, and relationships, with sufficient specificity so that the format and syntax for machine-readable exchanges based on Industry Foundation Classes (IFC) can be employed, enhanced, or developed.

ACI 304.2R-17: Guide to Placing Concrete by Pumping Methods

This guide discusses the use of pumps for transporting and placing concrete. Rigid and flexible pipelines, couplings and other accessories, and the various types of concrete pumps are discussed.

Recent Developments in Two-Way Slabs: Design, Analysis, Construction, and Evaluation (SP-321)

This symposium volume consists of 12 papers from two technical sessions titled, "Two-Way Slab Systems: Recent Developments and Showcases on Design, Analysis, Construction, and Evaluation Methods," organized by ACI Committee 421. The presentation topics included new design and construction methods in two-way slab systems; innovative reinforcement methods for punching shear prevention; and more.

ACI 365.1R-17: Report on Service Life Prediction

This report presents information to the owner and design professional on the service life prediction of new and existing concrete structures. Key factors controlling the service life of concrete and methodologies for evaluating the condition of the existing concrete structures, including definitions of key physical properties, are also presented.

Technician Workbook for ACI Certification of Cement Physical Tester (CP-42 1st Ed.)

A study guide for the examinee, this workbook provides information and instructional material for the Cement Physical Tester certification program. There are no ASTM Standards in this workbook.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: Failures Related to Concrete Volume Change and Restraint

Learning Objectives

1. Explain the causes of volume changes in materials particularly concrete and masonry.
2. Describe the causes of restraint in materials and structures.
3. Identify the causes of failures through case studies.
4. Summarize how to prevent failures due to volume changes from occurring.

Continuing Education Credit: 0.1 CEU (1 PDH)