

ACI Committee Document Abstracts

“Guide for Precast Concrete Wall Panels (ACI 533R-11)”

Reported by ACI Committee 533, Precast Panels

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Consulting Members: Thomas J. Grisinger and Weilan Song.

Abstract: This guide presents recommendations for precast concrete wall panels. It should be used with ACI 318-08, “Building Code Requirements for Structural Reinforced Concrete,” which is legally binding when adopted by the local authority. This guide discusses the basic principles of design, tolerances, materials, fabrication, installation, quality requirements, and testing.

“Guide for Design of Slab-Column Connections in Monolithic Concrete Structures (ACI 352.1R-11)”

Reported by Joint ACI-ASCE Committee 352, Joints and Connections in Monolithic Concrete Structures

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Document Abstracts

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Abstract: This guide provides recommendations for determining proportions and details of monolithic reinforced and post-tensioned concrete slab-column connections. Included are recommendations regarding appropriate uses of slab-column connections in structures resisting gravity and lateral forces; procedures for determination of connection load-carrying capacity; and reinforcement details to achieve adequate strength, ductility, and structural integrity. Recommendations are based on a review of the literature for ultimate and serviceability limit states. A commentary is provided to clarify the recommendations and identify reference material. Design recommendations are set in standard type. Commentary is set in italics.

“Guide to Simplified Design for Reinforced Concrete Buildings (ACI 314R-11)” (For Buildings of Limited Size and Height, based on ACI 318-11 and ACI IPS-1, “Essential Requirements for Reinforced Concrete Buildings”)

Reported by ACI Committee 314, Simplified Design of Concrete Buildings

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*Committee members responsible for the additions and revisions to ACI IPS-1.

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Abstract: This guide presents simplified methods and design techniques that facilitate and speed the engineering of low-rise buildings within certain limitations. Material is presented in an order that follows typical design process with procedures introduced as the designer will need them in the course of a building design.

“Especificaciones para Concreto Estructural (301S-10)”

Preparado por Comité ACI 301, Especificaciones para Concreto

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Prefacio: Estas Especificaciones constituyen unas Especificaciones de Referencia que el profesional facultado para diseñar puede aplicar a cualquier proyecto de construcción que involucre concreto estructural, citándolas en las Especificaciones del Proyecto. Se incluyen listados de verificación para ayudar al profesional facultado para diseñar en la redacción de los requisitos complementarios a las presentes Especificaciones de Referencia, según sea necesario, designando o especificando requisitos particulares del proyecto.