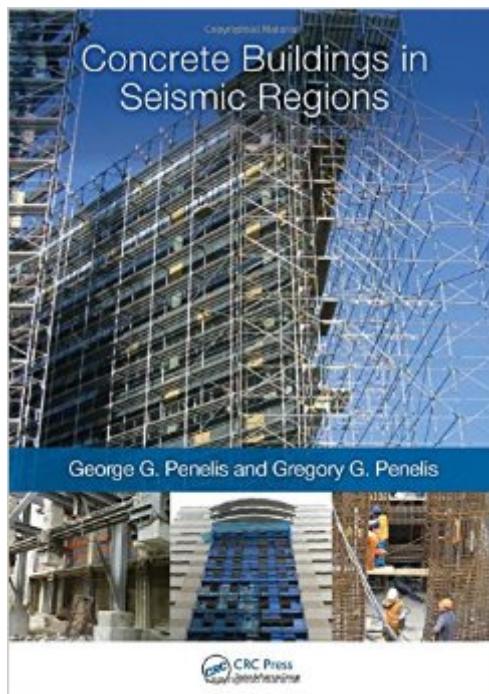


The book was found

# Concrete Buildings In Seismic Regions



## Synopsis

Bearing in mind that reinforced concrete is a key component in a majority of built environment structures, *Concrete Buildings in Seismic Regions* combines the scientific knowledge of earthquake engineering with a focus on the design of reinforced concrete buildings in seismic regions. This book addresses practical design issues, providing an integrated, comprehensible, and clear presentation that is suitable for design practice. It combines current approaches to seismic analysis and design, with a particular focus on reinforced concrete structures, and includes: an overview of structural dynamics analysis and design of new R/C buildings in seismic regions post-earthquake damage evaluation, pre earthquake assessment of buildings and retrofitting procedures seismic risk management of R/C buildings within urban nuclei extended numerical example applications *Concrete Buildings in Seismic Regions* determines guidelines for the proper structural system for many types of buildings, explores recent developments, and covers the last two decades of analysis, design, and earthquake engineering. Divided into three parts, the book specifically addresses seismic demand issues and the basic issues of structural dynamics, considers the "capacity" of structural systems to withstand seismic effects in terms of strength and deformation, and highlights existing R/C buildings under seismic action. All of the book material has been adjusted to fit a modern seismic code and offers in-depth knowledge of the background upon which the code rules are based. It complies with the last edition of European Codes of Practice for R/C buildings in seismic regions, and includes references to the American Standards in effect for seismic design.

## Book Information

Hardcover: 876 pages

Publisher: CRC Press (March 12, 2014)

Language: English

ISBN-10: 0415537630

ISBN-13: 978-0415537636

Product Dimensions: 7.2 x 2 x 10.3 inches

Shipping Weight: 3.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,963,471 in Books (See Top 100 in Books) #88 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Seismic Design #203 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #987

[Download to continue reading...](#)

Concrete Buildings in Seismic Regions 2012 IBC Structural/Seismic Design Manual Volume 3: Examples for Concrete Buildings Seismic Design of Reinforced Concrete and Masonry Buildings Seismic Design of Reinforced and Precast Concrete Buildings Seismic Design of Concrete Buildings to Eurocode 8 Seismic Design of Reinforced Concrete Buildings Ron Bacardi y Compania, S. A., Administration Building (Cuba) & Other Buildings & Projects (Cuba and Other Buildings and Projects) Cold Regions Engineering: Proceedings of the Sixth International Specialty Conference Hosted by the Us Army Cold Regions Research and Engineering LA 2012 IBC Structural/Seismic Design Manual Volume 4: Examples for Steel-Framed Buildings Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7 - 10 ASD/LRFD Wind and Seismic: Special Design Provisions for Wind and Seismic with Commentary (2008) Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7-05 Seismic Stratigraphy, Basin Analysis and Reservoir Characterisation (Handbook of Geophysical Exploration: Seismic Exploration) Seismic Design Aids for Nonlinear Pushover Analysis of Reinforced Concrete and Steel Bridges (Advances in Earthquake Engineering) Black & Decker The Complete Guide to Concrete & Masonry, 4th Edition: Build with Concrete, Brick, Block & Natural Stone (Black & Decker Complete Guide) Corrosive Signs: Essays on Experimental Poetry (Visual, Concrete, Alternative) (Visual, Concrete, Alternative) Small Buildings, Small Gardens: Creating Gardens Around Structures Floor Coverings for Historic Buildings Mechanical and Electrical Systems in Buildings (5th Edition) Mechanical & Electrical Systems in Buildings

[Dmca](#)