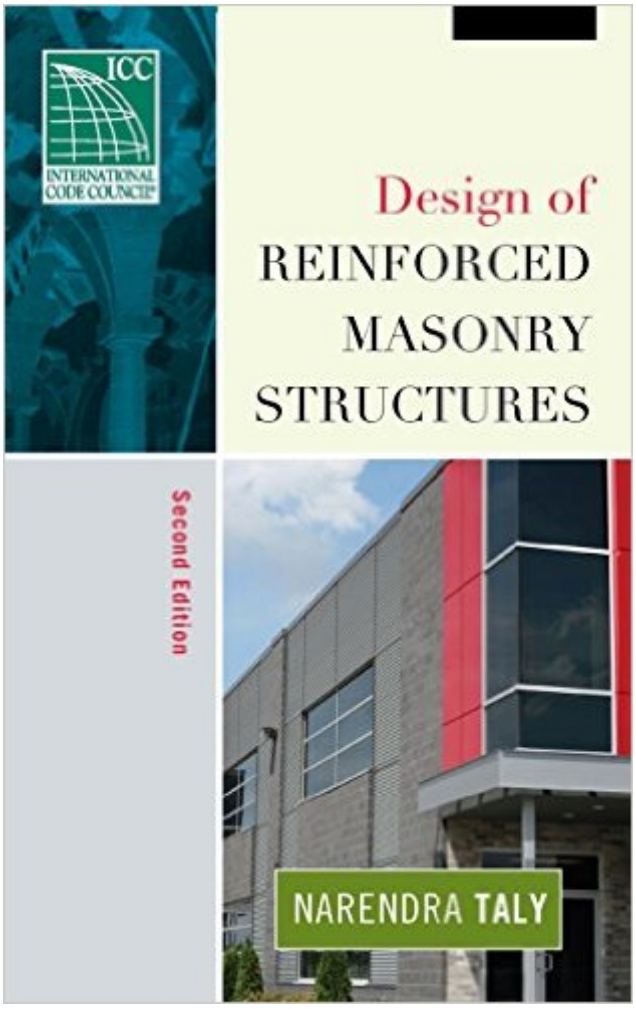
Design Of Reinforced Masonry Structures



Synopsis

The Definitive Guide to Designing Reinforced Masonry Structures Fully updated to the 2009 International Building Code (2009 IBC) and the 2008 Masonry Standards Joint Committee (MSJC-08), Design of Reinforced Masonry Structures, second edition, presents the latest methods for designing strong, safe, and economical structures with reinforced masonry. The book is packed with more than 425 illustrations and a wealth of new, detailed examples. This state-of-the-art guide features strength design philosophy for reinforced masonry structures based on ASCE 7-05 design loads for wind and seismic design. Written by an internationally acclaimed author, this essential professional tool takes you step-by-step through the art, science, and engineering of reinforced masonry structures. COVERAGE INCLUDES: Masonry units and their applications Materials of masonry construction Flexural analysis and design Columns Walls under gravity and transverse loads Shear walls Retaining and subterranean walls General design and construction considerations Anchorage to masonry Design aids and tables

Book Information

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Average Customer Review: 3.5 out of 5 starsÂ Â See all reviewsÂ (10 customer reviews)

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Customer Reviews

This is a very good book. Well organized, sufficient in depth discussion for a practical book, covers important subjects , and comes with several examples in each section along with the referred masonry code clause . While it is a good reference for practical engineers, it can also be useful for graduate students, a possibility the senior undergraduate students who are interested in this subject.Also the author provides a comprehensive coverage of required material for those engineers

who plan to pass the professional exam.The only negative points are: as a practical reference, the presentation and indeed the number of detailing is not enough. Detailing is a very important part of masonry design which is not covered sufficiently in this book.The second negative point is lack of enough explanation and design example for masonry parts which are known as architectural elements. These elements are not review well.

This book was my first experience with Masonry design. This book covers a lot of general topics as well as some engineering discussion. While there is an adequate number of worked out design/analysis examples there was not as many as I had hoped to see. This is a good book for a beginning engineer in structures (like me) but has very little to offer an engineer with masonry experience.The large appendix is very useful as a refernce for many items (i.e. Wind Load).

I am a Civil Engineer with experience in design and construction of masonry structures. This book ilustrates in a thorough way how to design with the state-limit strength method (in opposite to the traditional Allowed Stress Design).It has plenty of design examples and it illustrates the design of walls, beams, columns (masonry columns), etc.This is a must be for a structural designer.

This book can be informative as far as understanding general concepts of masonry design. HOWEVER, once you start solving problems, you wouldn't believe how many errors this book has. There are TONS of errors in almost ALL examples. I never encountered a book that has this many errors. Examples have tons of errors in notations, numbers, and equations. Some errors are so ridiculous as to question if the author even understands basic math. Some errors make me wonder if ANYONE ever proofread this book. Even my professor realizes now that the book has tons of errors. Because there were so many errors, I had no choice but to start writing in the book to correct mistakes.THIS IS THE WORST TEXTBOOK I HAVE EVER ENCOUNTERED UNDER BOTH UNDERGRADUATE AND GRADUATE STUDIES.

THIS BOOK IS VERY INFORMATIVE AND PRESENTS VERY SPECIFIC EXAMPLES FOR WIND LOADS AND SYSMIC LOADS SO FAR IS WHAT I'VE BEEN ABLE TO CHECK.

Tilt-up and Masonry Design of Reinforced Concrete, 10th Edition Reinforced Concrete Design Seismic Design of Reinforced and Precast Concrete Buildings Seismic Design Aids for Nonlinear Pushover Analysis of Reinforced Concrete and Steel Bridges (Advances in Earthquake Engineering) Reinforced Concrete: Mechanics and Design (6th Edition) Seismic Design of Reinforced Concrete Buildings Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Reinforced Concrete: Mechanics and Design Reinforced Concrete Design (8th Edition) Reinforced Concrete Design (7th Edition) Design and Analysis of Composite Structures: With Applications to Aerospace Structures Algorithms: C++: Data Structures, Automation & Problem Solving, w/ Programming & Design (app design, app development, web development, web design, jquery, ... software engineering, r programming) Ultimate Guide: Masonry & Concrete, 3rd edition: Design, Build, Maintain (Home Improvement) 2012 IBC Structural/Seismic Design Manual Volume 2: Examples for Light-Frame, Tilt-up and Masonry Effect of Chloride & Temperature on Rusting of Steel Reinforced Concrete 2nd Ed Stress Analysis of Fiber-Reinforced Composite Materials