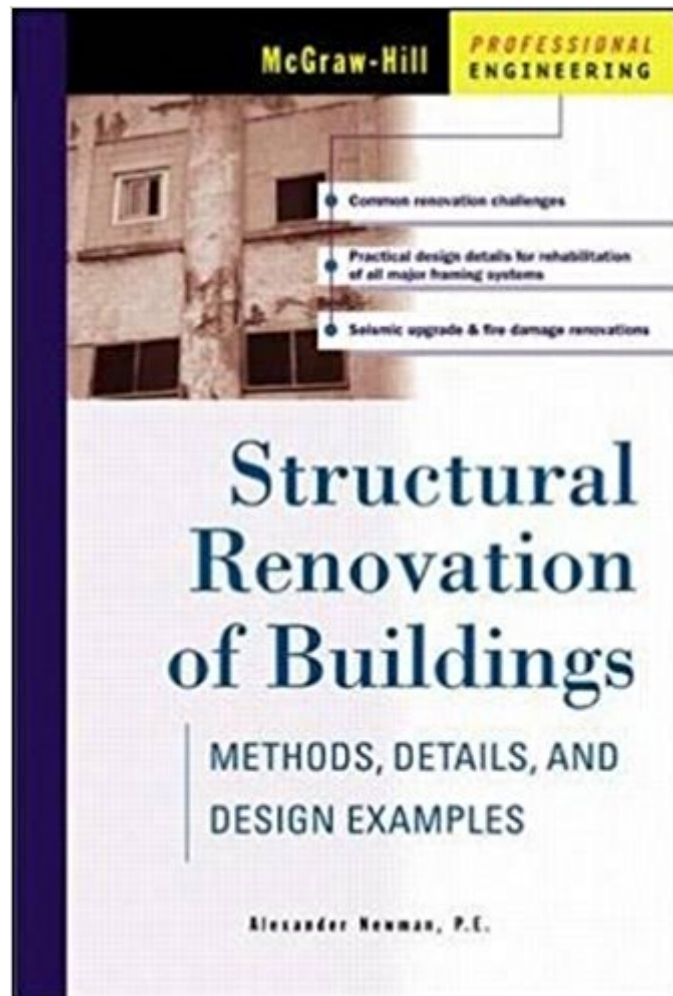




The book was found

Structural Renovation Of Buildings: Methods, Details, & Design Examples



Synopsis

Make any renovation job go smoother. Building renovation, conservation and reuse represents more than half of all construction work - and is projected to increase to 80% by 2004. Structural Renovation of Buildings, by Alexander Newman, puts a single, convenient source of information about all aspects of structural renovation and strengthening of buildings at your fingertips. While its focus is largely on low and midrise buildings, you can apply the principles it clarifies to buildings of any size - steel-framed, masonry, or wood. Whether you're repairing deteriorated concrete...rehabilitating slabs on grade...strengthening lateral-load resisting systems...renovating a building facade...handling seismic upgrades or fire damage, you'll find this time-and-trouble-saving guide loaded with practical tips, methods, and design examples. It's also heavily illustrated with autoCAD generated details, supplier illustrations of materials, procedural techniques, and much, much more.

Book Information

Series: McGraw-Hill Professional Engineering

Hardcover: 688 pages

Publisher: McGraw-Hill Education; 1 edition (September 29, 2000)

Language: English

ISBN-10: 0070471622

ISBN-13: 978-0070471627

Product Dimensions: 6.3 x 2 x 9 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 14 customer reviews

Best Sellers Rank: #515,572 in Books (See Top 100 in Books) #49 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete](#) #108 in [Books > Arts & Photography > Architecture > Historic Preservation](#) #230 in [Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials](#)

Customer Reviews

Building renovation is booming, with more than 55 percent of all construction involving renovation, conservation, or reuse. This unique, practical guide, written by renowned engineer Alexander Newman, P.E., explains how to improve the structure of any building. Up-to-date, comprehensive, and packed with illustrations, case studies, and savvy advice drawn from the author's extensive experience, Structural Renovation of Buildings makes it easier for all building professionals to plan

structural improvements, and to handle unforeseen contingencies that arise during projects.

Alexander Newman shows you how to:

- *Make accurate assessments of existing conditions
- *Compare options for cost-effective solutions
- *Renovate and strengthen buildings of all framing types—steel, concrete, post-tensioned concrete, wood, masonry, and pre-engineered metal
- *Deal with real problems most often encountered in renovation and reuse projects
- *Perform seismic upgrades of lateral-load-resisting systems, with four actual case studies
- *Restore fire-damaged buildings
- *Repair and strengthen slabs on grade
- *Renew facades with improved structural integrity

Helping you build on the past-experience—and improve your and older buildings' future--this one-of-a-kind practical guide is a resource that can provide answers for any structural improvement task.

Alexander Newman, P.E., is principal structural engineer with Maguire Group, Inc., a national architectural, engineering and planning firm, in Foxborough, Massachusetts. With two decades of engineering and management experience, he has worked as project engineer with a consulting engineering firm, design engineer with a light-gage framing panel manufacturer, and manager of fabrication for a steel fabricator. He has planned and supervised structural renovation of numerous buildings throughout the country, including a Boston Edison switching and conversion station that won the 1990 American Consulting Engineering Council of New England Award for Engineering Excellence. Mr. Newman holds an advanced degree in structural engineering from the Moscow Civil Engineering Institute in Russia, and a master's degree in business administration with high honors from Boston University. He is the author of the Bestselling Metal Building Systems, also from McGraw-Hill, and a number of award-winning articles that have appeared in leading engineering publications. Additionally, he conducts continuing-education seminars on metal building systems for design professionals sponsored by the American Society of Civil Engineers and other organizations, and teaches at Northeastern University.

This book has useful practical advice for any structural engineer involved building renovation projects. There aren't many books like this one...in fact, I can't think of one other. It contains a wealth of examples and approaches. There is also a lot of useful historical information, such as the history of cast iron making, steel fabrication, concrete, reinforcing....This is the second book by Alexander Newman that I've read. He is a unique individual in the world of structural engineering. I think this guy could have easily become an academic - but, he's down in the trenches with the rest of us working on real world projects. He can write well and obviously has a wealth of experience..

This is the best book I know of on the topic of structural renovation of buildings. Though probably no book could answer every question you might have, the 800+ pages of this book will answer most of them. The author, Alexander Newman, is clearly an experienced expert, so this book is authoritative and has a very practical orientation, with a straightforward writing style, both basic and specialized information on a wide variety of topics, and plenty of helpful illustrations of details which can be used on your projects. I should also add that much of the information in this book is directly relevant to structures other than buildings, so don't miss out on this book if you're involved in renovation of other types of structures. Highly recommended to anyone involved in structural renovation, and worth every penny.

It's a good and informative book. I think most materials are directly or indirectly related to the author experienced. But if you are looking a book which explained example thru calculation and design problems regarding renovation, this book is mostly " an explanation" book, not a design "calculation" one.

Book covers many hard to find topics related to building renovation work. I use it as a trusted resource when working on rehab projects.

This book contains some valuable advice and methods for renovating older buildings.

This book is well organized and presented. It covers a lot, and is more comprehensive than other books of its type. It has very good material on concrete design/repair, and also covers wood structures, steel, and pre-engineered buildings quite well. The material on masonry is also good, but a discussion about rusted steel lintels embedded in masonry would have helped, as this is a common source of problems in 20th century buildings. There are few handbooks that come as close as this one to a thorough treatment of the subject, and it is a useful book for architects and engineers who deal with renovation.

Good

Detailed book on many aspects of renovation. Detailed examples, well explained with solid diagrams. Has both the math to some of the more technical issues as well as good explanations of

concepts.

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

Structural Renovation of Buildings: Methods, Details, & Design Examples 2012 IBC SEAOC
Structural/Seismic Design Manual Examples for Light-Frame, Tilt up and Masonry Buildings 2012
IBC Structural/Seismic Design Manual Volume 4: Examples for Steel-Framed Buildings 2012 IBC
SEAOC Structural/Seismic Design Manual Examples for Concrete Buildings Commercial
Renovation Costs with Rsmeans Data (Means Commercial Renovation Cost Data) 2017 National
Renovation & Insurance Repair Estimator (National Renovation and Insurance Repair Estimator)
2013 RSMeans Commercial Renovation Cost Data (Means Commerical Renovation Cost Data)
Round Buildings, Square Buildings, and Buildings that Wiggle Like a Fish (A Borzoi book) Round
Buildings, Square Buildings, and Buildings that Wiggle Like a Fish 2006 International Building Code
Structural/Seismic Design Manual, Volume 2: Building Design Examples for Light-frame, Tilt-up and
Masonry Energy Conservation in the Design of Multi-Storey Buildings: Papers Presented at an
International Symposium Held at the University of Sydney from 1 to ... the Council for Tall Buildings
and Urban Hab Structural Analysis and Design of Tall Buildings: Steel and Composite Construction
2012 IBC Structural/Seismic Design Manual Volume 1: Code Application Examples Buildings of
Virginia: Tidewater and Piedmont (Buildings of the United States) (Vol 1) Tall Buildings: The
Proceedings of a Symposium on Tall Buildings with Particular Reference to Shear Wall Structures,
Held in the Department of Civil Engineering, University of Southampton, April 1966 Reference
Manual to Mitigate Potential Terrorist Attacks Against Buildings: Providing Protection to People and
Buildings (Risk Management) 1000 Facts on Buildings & Transportation (Cars, Trains, Planes,
Ships and Boats, Buildings, Great Monuments) Twenty-Five Buildings Every Architect Should
Understand: a revised and expanded edition of Twenty Buildings Every Architect Should
Understand (Volume 2) Louisiana Buildings, 1720--1940: The Historic American Buildings Survey
(Library of Southern Civilization) Chicago's famous buildings; a photographic guide to the city's
architectural landmarks and other notable buildings

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)