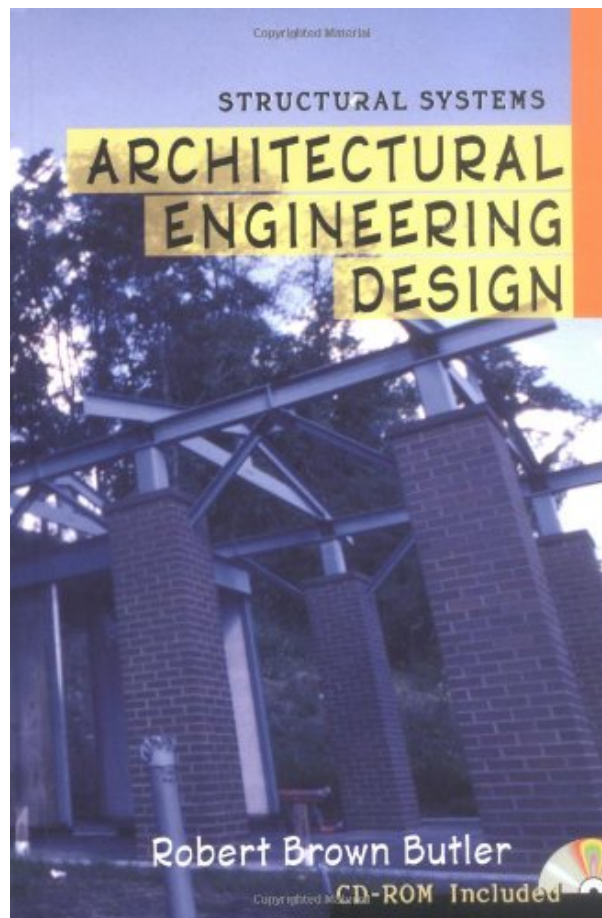
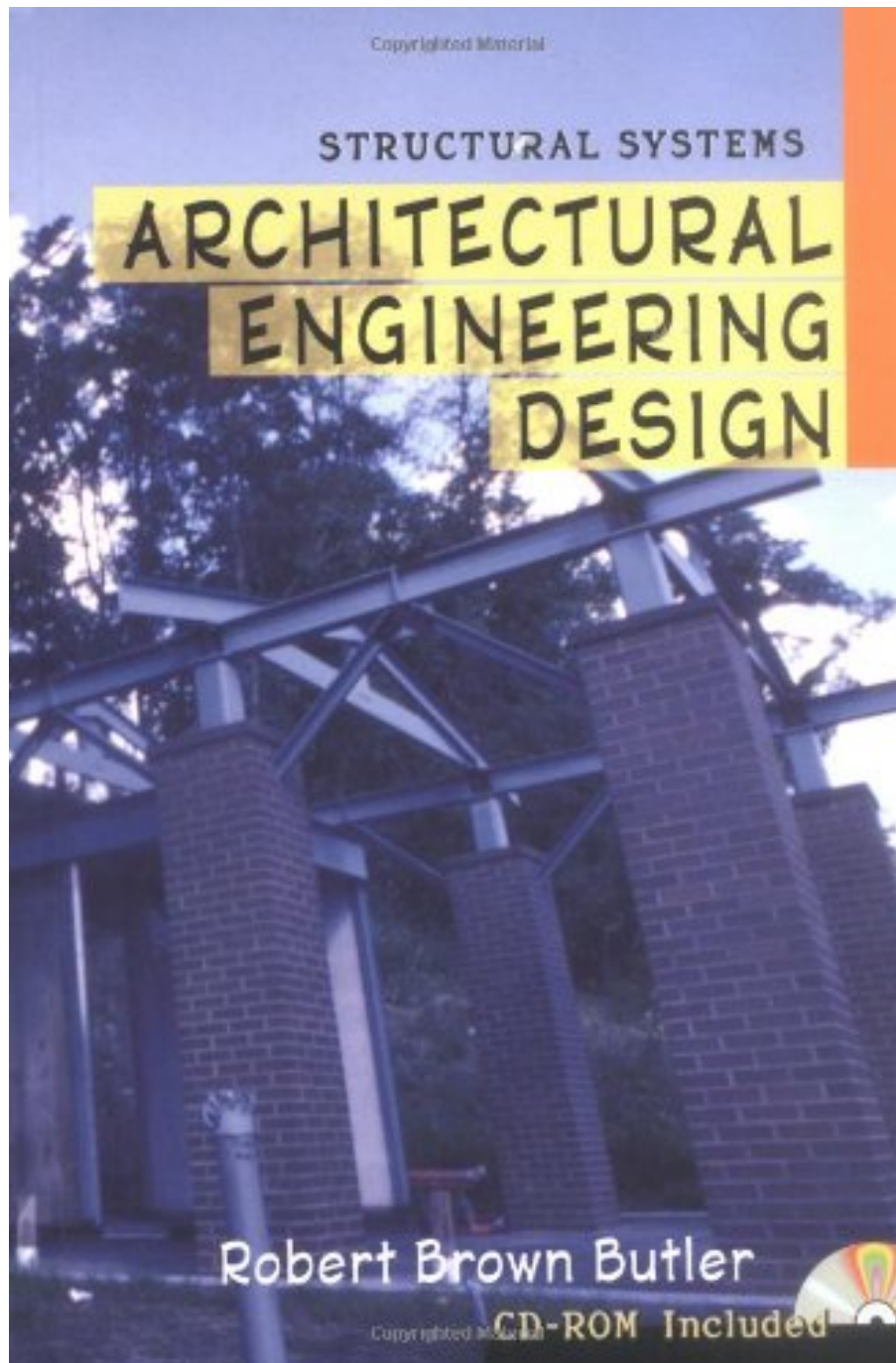


# ARCHITECTURAL ENGINEERING DESIGN: STRUCTURAL SYSTEMS BY ROBERT BROWN BUTLER



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## **NEW STRUCTURAL SYSTEM STANDARDS FOR DESIGNING MODERN BUILDINGS**

For the first time in nearly 40 years, here is a completely new professional handbook for designing structural systems in architecture. Based on a thorough reexamination of all the old formulas and guidelines in light of the latest environmental research and digital technology, this volume provides essential criteria for designing WOOD, STEEL, ALUMINUM, CONCRETE, MASONRY, even FABRIC structures for any building, from total systems to tiny details.

Best of all, this volume's interactive CD-ROM allows you to solve the most complex problems at lightning speed! It's incredibly easy. Simply access the formula you need, click on the variable you want to solve, enter numerical values for the other unknowns, click COMPUTE--and there's your answer! No math! No mistakes!

Together this thick volume and its accompanying disk offer you fingertip access to these invaluable aids and features:

- \* Text guidelines for selecting and sizing more than 220 structural system components in modern buildings
- \* New and accurate formulas for impact loads, horizontal shear, metal decking, staircases, and many more design scenarios
- \* Concise no-math menus for each formula that describes each unknown (No more rummaging through the text for the meaning of an unknown.)
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Created by an architect with more than 40 years' experience in the field, Architectural Engineering Design: Structural Systems provides you with near-instant solutions to hundreds of complex problems--leading you to less time wasted, less dependence on outside specialists, fewer change orders, faster turn-around time, less

exposure to litigation, and happier clients.

**ALL OF WHICH ADD UP TO EXTRAORDINARY BOTTOM-LINE BENEFITS!**

#### About the Author

Robert Brown Butler (Mahopac, NY) is a registered architect with more than 40 years of experience in commercial and residential design. He has worked in a wide variety of climates and is especially proficient in energy-efficient design. He is the author of Standard Handbook of Architectural Engineering and Architectural Engineering Calculations Manual.

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This book needs a proofreader!

By K. R. Weissenstein

Do not use this book without an Engineering or Architecture professor to help you through the errors within. The book is full of errors of continuity, strange/bad math, and inconsistency. The errors are so numerous, that it makes you wonder if you can trust any of the formulas to be accurate. For example: a sample problem in beam design gives the formula to use (from a table), defines the variables, gives the values for the known variables; and then in the problem-solving steps, uses different values for the known variables than what was listed in the preceding "Given" section! Furthermore, the answer arrived at cannot be made by the equation provided! There are also errors where a formula is listed in tables and that formula is referred to later and used for a problem, but the formula is not exactly the same as the table; there is no explanation for the difference.

I recommend "Simplified Engineering for Architects and Builders" (Ambrose/Tierney), instead.

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