



# Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides)

By James Ambrose, Patrick Tripenny

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**Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides)** By James Ambrose, Patrick Tripenny

**The bestselling structural design reference, fully updated and revised**

*Simplified Engineering for Architects and Builders* is the go-to reference on structural design, giving architects and designers a concise introduction to the structures commonly used for typical buildings. The clear, accessible presentation is designed to give you the essential engineering information you need without getting bogged down in excess math, making this book an ideal reference for busy design professionals. This new 12<sup>th</sup> edition has been completely revised to reflect the latest standards and practices. The instructor site includes a complete suite of teaching resources, including an instructor's manual and a PowerPoint presentation.

Structural design is an essential component of the architect's repertoire, and engineering principles are at the foundation of every sound structure. You need to know the physics, but you don't necessarily need to know all of the math. This book gives you exactly what you need without losing you in a tangle of equations, so you can quickly grasp and apply the material.

- Understand fundamental concepts like forces, loading, and reactions
- Learn how to design for wood, steel, or concrete construction
- Study structural design standards and develop sound structural systems
- Determine the best possible solutions to difficult design challenges

The industry-leading reference for over 80 years, *Simplified Engineering for Architects and Builders* is the definitive guide to practical structural design.

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### Editorial Review

From the Back Cover

#### **The classic reference for structural design and construction—completely revised and updated**

*Simplified Engineering for Architects and Builders* is the gold standard for the industry and the reference of choice for designers and constructors. The revisions and updates in this new *Twelfth Edition* reflect the most current practices for designing structures. Plus, this innovative guide goes beyond the covers to provide support for instructors and students on an accompanying website—including a complete instructor's manual and a study guide for students to reinforce complex material.

Architects and builders get the same accessible primer on investigating and designing buildings along with the clear presentation of engineering principles they've come to expect from the Parker/Ambrose brand.

*Simplified Engineering for Architects and Builders, Twelfth Edition* is the total learning solution for structural design.

About the Author

**JAMES AMBROSE** is Editor of the Parker/Ambrose Series of Simplified Design Guides. He practiced as an architect in California and Illinois, and as a structural engineer in Illinois. He was a professor of architecture at the University of Southern California. **PATRICK TRIPENY** is the Director of the Center for Teaching and Learning Excellence and is a Professor of Architecture at the University of Utah. He teaches the architectural structures sequence in the School of Architecture and the graduate design studio. He is the recipient of several teaching awards including the ACSA/AIAS New Faculty Teaching Award in 2001 and the University of Utah's Early Career Teaching Award in 2000-2001.

### Users Review

**From reader reviews:**

**Douglas Barney:**

This Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides) book is not really ordinary book, you have after that it the world is in your hands. The benefit you will get by reading this book is definitely information inside this guide incredible fresh, you will get data which is getting deeper anyone read a lot of information you will get. That Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides) without we understand teach the one who studying it become critical in pondering and analyzing. Don't possibly be worry Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides) can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it within your lovely laptop even mobile phone. This Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides) having fine arrangement in word in addition to layout, so you will not sense uninterested in reading.

**Bernice King:**

Spent a free time to be fun activity to try and do! A lot of people spent their sparetime with their family, or their particular friends. Usually they undertaking activity like watching television, likely to beach, or picnic inside park. They actually doing same task every week. Do you feel it? Do you wish to something different to fill your current free time/ holiday? Might be reading a book might be option to fill your free time/ holiday. The first thing that you ask may be what kinds of e-book that you should read. If you want to attempt look for book, may be the e-book untitled Simplified Engineering for Architects and Builders (Parker/Ambrose Series of Simplified Design Guides) can be very good book to read. May be it can be best activity to you.

**Doris Cobb:**

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