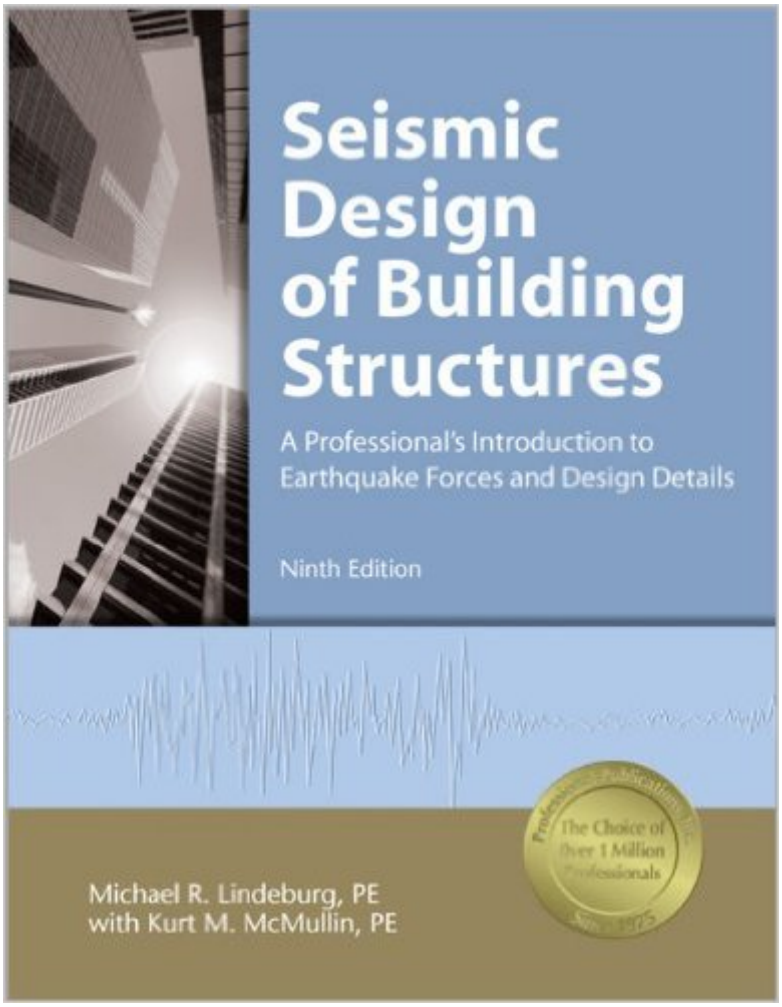
Seismic Design Of Building Structures: A Professionals Introduction To Earthquake Forces And Design Details



Synopsis

Seismic Design of Building Structures provides a comprehensive introduction to core seismic concepts and principles, and offers essential background information for seismic problems on the California Special Civil Seismic Examination as well as other professional licensing exams. With thorough coverage of seismic building codes including the 2006 International Building Code (IBC), this book prepares you for conceptual and technical questions on structural analysis and code issues by giving you an understanding of earthquakes and their effects. Comprehensive introduction to seismic design Over 30 example problems and 120 practice problems with step-by-step solutions A thorough review of Seismic Building Codes Easy-to-use formulas, figures, and tables Detailed illustrations and definitions of seismic terminology Perfect for the California Special Civil Seismic Examination NCEES Civil PE Examination NCEES Structural PE Examinations Architect Registration Examination (ARE) Topics Covered Include Basic Seismology Diaphragm Theory Earthquake Characteristics Effects of Earthquakes on Structures General Structural Design Response of Structures Seismic Building Codes Seismic-Resistant Concrete Structures Seismic-Resistant Masonry Structures Seismic-Resistant Steel Structures Seismic-Resistant Wood Structures Special Design Features Tilt-Up Construction Vibration Theory

Book Information

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Customer Reviews

I just took the last PE exam and found this book to be helpful. You'll really need to buckle down and read through it though. If you want to pass, I suggest bringing a minimum of three reference books.

This book, Hiner's book and the ASCE 7-05. I brought the IBC but didn't have to use it. This book along with Hinder's had most of the references that I needed. Some questions required the ASCE 7-05. I didn't have the ASCE 7-05 :(In any case I was able to pass by studying through this WHOLE book and Hiner's WHOLE book. I didn't take any classes.Good Luck to you all.

I used it to review seismic design for the PE exam. I've used it recently for background info on an earthquake design project.

Not very helpful for PE (Structural depth) Exam...I bought it for my PE exam but not used it. I do not recommend this to anybody.

Earthquake Engineering (2nd Edition)