



California Civil Seismic Building Design (Paperback)

By Michael R Lindeburg

Professional Publications Inc, United States, 2018. Paperback. Condition: New. 12th Twelfth Edition, 12th ed. Language: English. Brand new Book. *Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$39 at /etextbook-program.*California Civil Seismic Building Design presents the seismic design concepts most essential to engineers, architects, and students of civil and structural engineering and architecture. The book's 15 chapters provide a concise but thorough review of seismic theory, code application, design principles, and structural analysis. The 30 example problems demonstrate how to apply concepts, codes, and equations to solve realistic problems. More than 125 practice problems provide opportunities for independent problem-solving practice, and complete solutions allow you to check your solution approach. This book includes two comprehensive indexes--one of key terms and another of seismic building codes--to quickly direct you to the information you are looking for. You can also locate related support material by following references throughout the text to the 150 equations, 29 tables, 144 figures, and 21 appendices, and to relevant codes and standards. Topics Covered Basic Seismology Earthquake Characteristics Effects of Earthquakes on Structures Vibration Theory Response of Structures Seismic Building Code Diaphragm Theory General Structural Design Details of Seismic-Resistant Structures (Concrete, Masonry, Steel, Wood) Tilt-Up Construction Special Design...



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