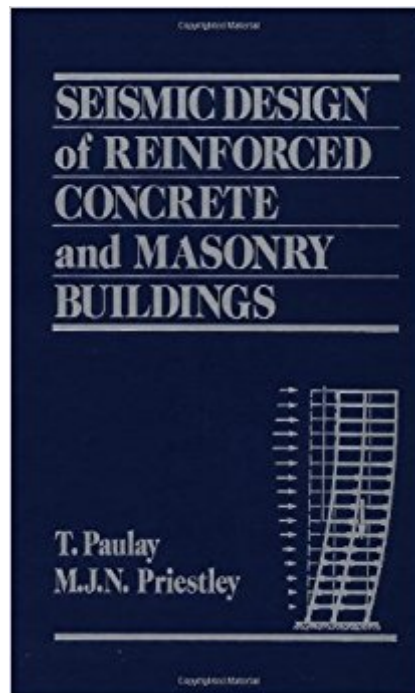




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# **Seismic Design Of Reinforced Concrete And Masonry Buildings**



## Synopsis

Emphasizes actual structural design, not analysis, of multistory buildings for seismic resistance. Strong emphasis is placed on specific detailing requirements for construction. Fundamental design principles are presented to create buildings that respond to a wide range of potential seismic forces, which are illustrated by numerous detailed examples. The discussion includes the design of reinforced concrete ductile frames, structural walls, dual systems, reinforced masonry structures, buildings with restricted ductility and foundation walls. In addition to the examples, full design calculations are given for three prototype structures.

## Book Information

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Emphasizes actual structural design, not analysis, of multistory buildings for seismic resistance. Strong emphasis is placed on specific detailing requirements for construction. Fundamental design principles are presented to create buildings that respond to a wide range of potential seismic forces, which are illustrated by numerous detailed examples. The discussion includes the design of reinforced concrete ductile frames, structural walls, dual systems, reinforced masonry structures, buildings with restricted ductility and foundation walls. In addition to the examples, full design calculations are given for three prototype structures.

As graduate student completing my Master's degree I thought this book is very useful for anyone who is doing research in the area of earthquake engineering in general. It goes in depth in many

topics covering seismic design of structural components and systems of reinforced concrete and masonry. I will consider it an advance level text book. So if you a grad student doing research in seismic design or working in a seismic design firm I recommend buying the book.

low quality of printed most words are not clear display,it is different from description,but it is a quite useful book

Superb text, even in 2006. Must-have reference for seismic design of reinforced concrete structures. Contains good depth of info on shear wall design not available in more elementary texts.If buying used, ask reseller to verify that the book has pages 713 onward (which includes, but is not limited to all references and index) before buying. Apparently, Wiley had a bad run.

A careful theoretical approach to earthquake engineering design, soon will become a standard reference book for the academic as well as the practising engineer. The part dealing with load bearing masonry construction is a classic!

A must have text/reference book for the structural engineering library. Great resources in topics ranging from concrete shear wall design to masonry shear wall design. Highly recommended.

This is an important book to all the structural engineers that will work in seismic areas.

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