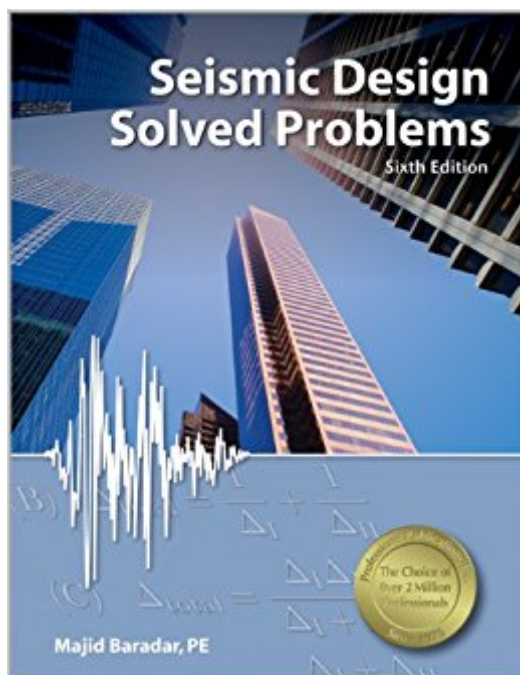


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# Seismic Design Solved Problems, 6th Ed



## Synopsis

New Edition. *Seismic Design Solved Problems* covers relevant seismic topics found on the California Special Civil Engineer Seismic Exam, the California Structural Engineer Seismic Exam, the Civil PE exam, and the Structural SE exam. It contains over 340 practice problems designed to help you recognize critical concepts and apply your knowledge of seismic topics. The qualitative short-answer problems are useful in assessing your comprehension of fundamental seismic engineering concepts. The more-complex design and analysis problems challenge your skill in identifying and applying related theories and equations. Key Features Customary U.S. and SI solution methods are both presented where applicable, to maximize comprehension. A nomenclature list is provided to ensure understanding of all terms and variables used. Relevant codes and standards are referenced to improve your familiarity with them before the exam. Referenced Design Standards Building Code Requirements and Specification for Masonry Structures (ACI 530/530.1; TMS 402/602) Building Code Requirements for Structural Concrete (ACI 318) California Building Code / International Building Code (CBC/IBC) Minimum Design Loads for Buildings and Other Structures (ASCE/SEI7) National Design Specification (NDS) Seismic Provisions for Structural Steel Buildings (ANSI/AISC 341) Special Design Provisions for Wind and Seismic (ANSI/AF&PA SDPWS) Exam Topics Covered Codes and Regulatory Provisions Design Problems Details of Structures Diaphragm Theory Referenced Design Standards Seismology Principles What's New in This Edition CBC updated from 2007 to 2010 ACI318 updated from 2005 to 2008 Various calculation and solution processes clarified

## Book Information

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## Customer Reviews

I got this despite some bad reviews on PPI materials for this exam because I didn't realize that the other review book that I bought came with practice questions and figured that one should be able to write sample problems even if one can't present a coherent review of the subject. Anyway, I have a pretty extensive background in the seismology and basic dynamics topics and I had to give up most of the way through the first section due to all of the questions that either made no sense, were ambiguous, or where the "correct" answer was wrong. Maybe the calculation-type questions are ok, but the obvious lack of understanding of the basics robbed me of all confidence in the book. I wish that I hadn't made all of those angry marks in it so I could return it. Anyway, the Hiner seismic review book has good number of sample questions which are a lot better, and pretty representative of what I found on the exam so please don't waste your time and money with this one.

The sample problems seemed pretty well aligned with what was on the test and makes for a decent reference during the exam as well. I wish it did a little better job of making clear what references (e.g. ASCE 7-10, IBC) are needed for the test and what specific sections need to be referenced. Overall, this is a must-have for taking the CA seismic exam, but plan on spending some time figuring out what references you need to include with it.

i thought it would have 345 solved problems as in design when it had about half solved questions of theory, which is still important but it wasn't what i was looking for

Having taken the exam several times, I have an idea about how the problems on the exam look. This is a good book for learning the concepts, but the problems on the exam are more difficult and trickier. Expect to see all kinds of live loads for warehouses or partition loads in the seismic load and factors from load combinations as well as problems with non-building structures and mechanical equipment. The book covers these subjects but not very thoroughly.

Great review book.

Its easy to follow the exercises.

Disappointed in the problem presentation, type of problems and amount of detail given in the solutions. I was looking for a more in depth presentation of the design procedure for shear walls.

It is on the fast delivery with safe packed items. I hope it will be great study material. Great with 5 stars.

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