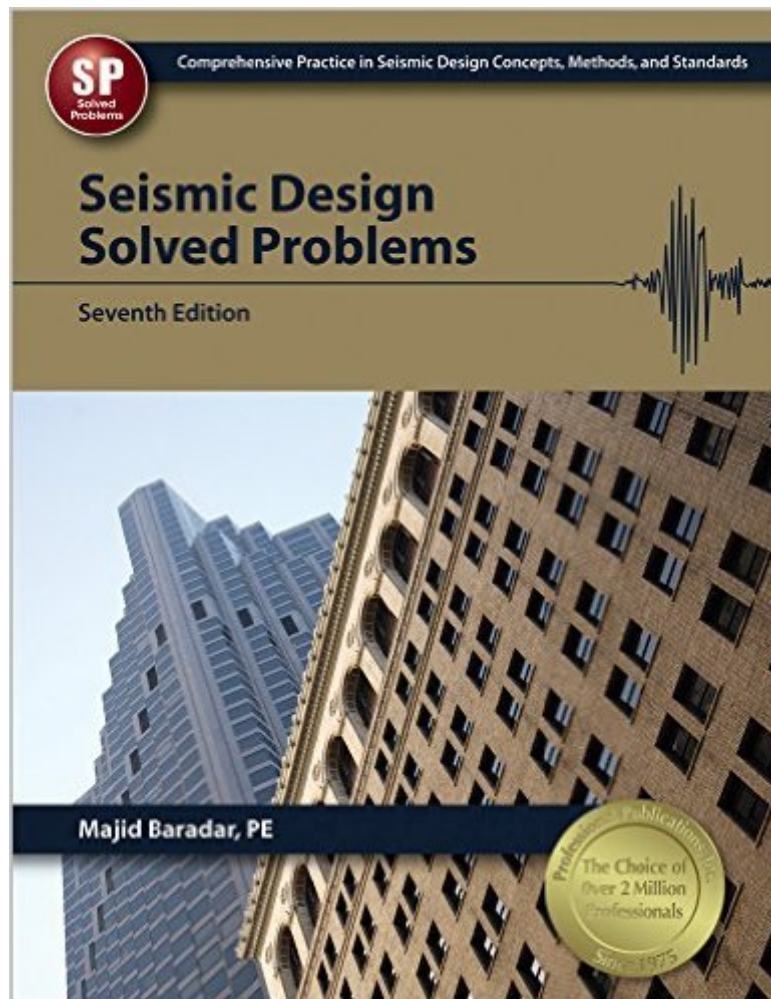


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# Seismic Design Solved Problems, 7th Ed



## Synopsis

Comprehensive Practice in Seismic Design Concepts, Methods, and Standards  
Seismic Design Solved Problems  
Seventh Edition  
Seismic Design Solved Problems provides comprehensive practice for both the California Civil Seismic Principles exam and the NCEES Structural Engineering (SE) exam. 360 multiple-choice problems cover all exam subjects, including basic seismology, applications of codes and standards, and design details. The variety of problem types, topics, and complexities is representative of the actual exam. Problems in both qualitative and quantitative formats are included, and solutions use the same codes and standards that will be needed on exam day. Step-by-step procedures are used to solve numerical problems; and, detailed explanations are given for qualitative problems. With Seismic Design Solved Problems, you will

- review seismic principles and common terminology
- navigate through the codes and standards
- apply seismic concepts to common design
- solve problems quickly and confidently

Topics Covered

Codes and Regulatory Provisions

Diaphragm Theory

Details of Structures

Seismology Principles

Referenced Codes and Standards

- Building Code Requirements and Specification for Masonry Structures (ACI 530)
- Building Code Requirements for Structural Concrete (ACI 318)
- International Building Code (IBC)
- Minimum Design Loads for Buildings and Other Structures (ASCE/SEI7)
- National Design Specification for Wood Construction ASD/LRFD (NDS)
- Seismic Provisions for Structural Steel Buildings (AISC 341)
- Special Design Provisions for Wind and Seismic (SDPWD)

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Average Customer Review: 3.0 out of 5 stars • See all reviews • (1 customer review)

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## Customer Reviews

Bought this for practice problems to check my seismic design competency and prepare for SE exam, and not completely satisfied. I felt like the problems were very elementary, not indicative of what I should expect on the SE exam. Each problem seems to test only one concept at a time, does not tie multiple code requirements and theory together for you to arrive at an answer. If you have never taken a formal course in seismic design (like me) I suspect that this is a good way to ensure you understand the basics of horizontal and lateral force distribution/ code requirements for the equivalent lateral force procedure and wall anchorage. But I stress, the basics only. It will help you prepare primarily for the SE Exam specs section I. Analysis of Structures, but on a basic level. It is severely lacking in questions pertaining to section II Design and Detailing of Structures. If it does seem heavy on any material specific type of question, it does emphasize wood diaphragm and shear wall design/ details the most. Overall, 3 star. It definitely helped me, but I recognize that being able to complete these problems is only a foundation for what I will need to be able to perform come October.

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