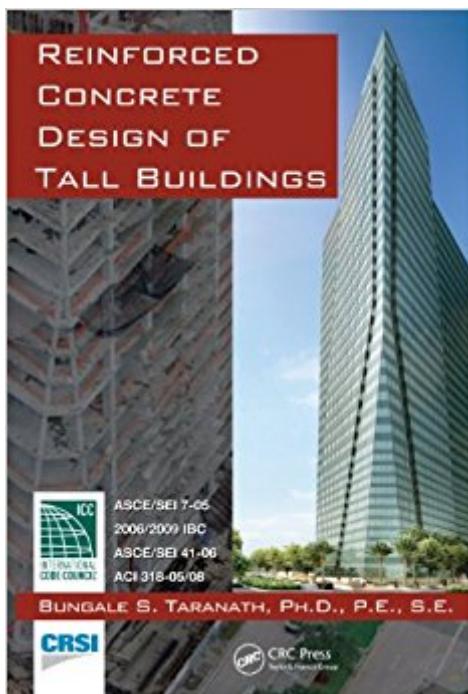


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# Reinforced Concrete Design Of Tall Buildings



## Synopsis

An exploration of the world of concrete as it applies to the construction of buildings, Reinforced Concrete Design of Tall Buildings provides a practical perspective on all aspects of reinforced concrete used in the design of structures, with particular focus on tall and ultra-tall buildings. Written by Dr. Bungale S. Taranath, this work explains the fundamental principles and state-of-the-art technologies required to build vertical structures as sound as they are eloquent. Dozens of cases studies of tall buildings throughout the world, many designed by Dr. Taranath, provide in-depth insight on why and how specific structural system choices are made. The book bridges the gap between two approaches: one based on intuitive skills and experience and the other based on computer skills and analytical techniques. Examining the results when experiential intuition marries unfathomable precision, this book discusses: The latest building codes, including ASCE/SEI 7-05, IBC-06/09, ACI 318-05/08, and ASCE/SEI 41-06. Recent developments in studies of seismic vulnerability and retrofit design. Earthquake hazard mitigation technology, including seismic base isolation, passive energy dissipation, and damping systems. Lateral bracing concepts and gravity-resisting systems. Performance based design trends. Dynamic response spectrum and equivalent lateral load procedures. Using realistic examples throughout, Dr. Taranath shows how to create sound, cost-efficient high rise structures. His lucid and thorough explanations provide the tools required to derive systems that gracefully resist the battering forces of nature while addressing the specific needs of building owners, developers, and architects. The book is packed with broad-ranging material from fundamental principles to the state-of-the-art technologies and includes techniques thoroughly developed to be highly adaptable. Offering complete guidance, instructive examples, and color illustrations, the author develops several approaches for designing tall buildings. He demonstrates the benefits of blending imaginative problem solving and rational analysis for creating better structural systems.

## Book Information

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## **Customer Reviews**

This is a good general reference book. The author explains several different practical cases, architectural concepts, basic lateral load selection, and some good structural examples. I have heard that the author passed away. With respect to him, however, this book has several issues, incompletely completed sections, and lack of coherence in many topics. There are so many typos and errors in text and calculations. Some important aspects such as structural related fire resistance, effect and loadings from mechanical and hvac systems and how they must be applied to a high rise structure are not covered or mentioned very low. Effect of vertical shortening of shear walls and columns (usually very insignificant for low rise concrete structures but important for high rise buildings) is not discussed. Some other important structural aspects such as foundation for high rise structures are not appropriately covered.

Good book, Mr. Taranath is a well-known writer in structural Analysis. You can find everything in it on concrete design. It has updated and most important information in the topics.

EXCELENTE

Excellent

Excellent service and the product arrived in time in very good conditions. I'm satisfied and recommended this customer. Thank's. Have a nice day

So far one of the best Reinforced Concrete Design about Tall Building I ever read

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