



# Seismic Design of Reinforced and Precast Concrete Buildings

By Robert E. Englekirk

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**Seismic Design of Reinforced and Precast Concrete Buildings** By Robert E. Englekirk

- \* Presents the basics of seismic-resistant design of concrete structures.
- \* Provides a major focus on the seismic design of precast bracing systems.

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### **Editorial Review**

#### **From the Back Cover**

Cutting-edge coverage of the seismic-resistant technologies used in concrete structures

Seismic Design of Reinforced and Precast Concrete Buildings explores a comprehensive body of experimentally developed conclusions, extending this base to design-relevant relationships and limit states that are reduced to usable forms. Focus throughout the book is given to developing a potent integration of knowledge and imagination to create the highest quality structural systems capable of attaining performance objectives in design-level earthquakes.

This powerful reference tool is packed with broad-ranging material—from fundamental principles to state-of-the-art, seismic-resistant technologies, as well as algorithms that are thoroughly developed to be highly adaptable—offering the most complete guidance to precast bracing systems. Through illustrative examples, the author develops several imaginative approaches used to design constructed buildings. These concepts are detailed to demonstrate the benefits of imaginative problem solving for creating better structural systems based on rational analysis and experimental evidence.

Visually enhanced with hundreds of informative drawings, Seismic Design of Reinforced and Precast Concrete Buildings is the resource engineers, contractors, building code officials, and architects need at their fingertips.

#### **About the Author**

ROBERT E. ENGLEKIRK is Adjunct Professor of Structural Engineering at the University of California, San Diego, and is registered in twenty states. A noted structural engineer who has been practicing for more than thirty-five years, he is the former president and founder of Robert Englekirk Consulting Engineers (now Englekirk Partners), author of Steel Structures (Wiley) and more than 100 papers, and the recipient of numerous awards.

### **Users Review**

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##### **Jose Campbell:**

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