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a step-by-step approach to applying the structural provisions of the 2018 International Building Code® and referenced standards. Volume 4 contains code application examples of steel construction. Moment frames and braced frames are analyzed.



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how the provisions of the code are used.

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support of discontinuous systems, and analysis of seismic forces applied to equipment, non-structural elements and non-building structures. Volume 2 contains code application examples of light-frame, tilt-up and masonry construction. Diaphragm flexibility, center of mass, collectors and chords, deflection and anchorage are

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discussed through examples. In and out-of-plane seismic loads are analyzed. Volume 3 contains code application examples of concrete construction. Moment frames, braced frames and shear wall construction are analyzed. Volume 4 contains code application examples of steel construction. Moment frames and braced frames are

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publication of the SEAOC Seismology Committee. The name Blue Book is renowned worldwide among engineers, researchers, and building officials. Since 1959, the SEAOC Blue Book, previously titled Recommended Lateral Force Requirements and Commentary, has been a prescient publication of earthquake

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and practical guidance on design  
implementation.

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Volume 3 provides examples that illustrate the seismic design of structures using concrete and steel.

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This handbook contains up-to-date existing structures, computer applications, and information on planning, analysis, and design seismic design of wood structures. A new and very useful feature of this edition of earthquake-resistant building structures. Its intention is to provide engineers, architects,

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persisting gap between I. UBC-IBC  
(1997-2000) Structural advances in the  
theories and concepts of Comparisons and  
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implementation in seismic design practice.

2. NEHRP Guidelines for the Seismic The  
distinguished panel of contributors is

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Rehabilitation of Buildings, FEMA-273,  
Federal Emergency Management Agency,  
composed of 22 experts from industry and  
universities, recognized for their knowledge  
and 1997. extensive practical experience in  
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Buildings, FEMA-274, Federal Emergency  
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practice. Where applicable, the provisions of  
Older Structures, Part 1 - Provisions, various  
seismic design standards such as mc  
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UBC-97, FEMA-273/274 and ATC-40  
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This is arguably the most comprehensive

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the intersection between the architecture  
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earthquake engineering. The main aim of  
this unique book, written by renowned  
engineer M.Llunji, is to explain in the

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simplest terms, the architecture and structure of earthquake-resistant buildings, using many practical examples and case studies to demonstrate the fact that structures and buildings react to earthquake forces mainly according to their form, configuration and material. The purpose of this book is to introduce a new perspective

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on seismic design, a more visual, conceptual and architectural one, to both architects and engineers. In a word, it is to introduce architectural opportunities for earthquake resistant- buildings, treating seismic design as a central architectural issue. A non-mathematical and practical approach emphasizing graphical presentation of

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Authors Coulbourne and Stafford provide a comprehensive overview of the wind load provisions in Minimum Design Loads and Associated Criteria for Buildings and Other Structures, ASCE/SEI 7-16, focusing on the provisions that affect the planning, design,

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