

Caltrans Seismic Design Manual

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

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the 2012 ibc structural seismic design manual provides a step by step approach to applying the structural provisions of the 2012 international building code and referenced standards volume 1 contains code application examples based on the ibc and asce 7 10 including determination of seismic irregularities combinations of structural systems determination of drift 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 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 analyzed volume 5 contains examples of seismically isolated buildings and buildings with supplemental damping

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