



Synopsis

This 6-page laminated reference guide provides an easy-to-follow 11-step procedure for seismic design in accordance with the 2012 IBC and ASCE 7-10, with emphasis on the seismic design of a typical one-to-three story building. Illustrations are provided for many of the difficult to understand requirements. Subjects addressed include determination of mapped spectral response accelerations; consideration of exceptions to the seismic code requirements; Seismic Design Category determination; consideration of plan and vertical structural irregularities; determination of seismic base shear, redundancy coefficient and seismic load effects; and compliance with drift control requirements.

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in Geology) Minimum Design Loads for Buildings and Other Structures, 3rd Printing (Standard
ASCE/SEI 7-10) Flood Resistant Design and Construction ASCE/SEI 24-05 Minimum Design Loads
and Associated Criteria for Buildings and Other Structures (Standards ASCE/SEI 7-16) Prestressed
Concrete Transmission Pole Structures: Recommended Practice for Design and Installation (Asce
Manual and Reports on Engineering Practice) 2006 International Building Code Structural/Seismic
Design Manual, Volume 2: Building Design Examples for Light-frame, Tilt-up and Masonry Seismic
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