

SEISMIC DESIGN



MANUAL

AMERICAN INSTITUTE
OF
STEEL CONSTRUCTION
INC.
AND THE
STRUCTURAL STEEL
EDUCATIONAL COUNCIL

AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

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2000 IBC Structural/seismic Design Manual, 2001 *Seismic Design Manual, 3rd Edition*, 2018-07 *Seismic Design Manual: Building design examples: steel, concrete, and cladding*, 1999 **PPI PE Structural Reference Manual, 10th Edition - Complete Review for the NCEES PE Structural Engineering (SE) Exam** Alan Williams, 2021-08-27

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under design loads Design of steel structures under design loads Design of steel beams in flexure Design of steel beams for shear and torsion Design of compression members Stability of frames Design by inelastic analysis Design of tension members Design of bolted and welded connections Plate girders Composite construction *Recommended Seismic Design Criteria for New Steel Moment-frame Buildings* SAC Joint Venture. Guidelines Development Committee,2000 Seismic Design for Buildings ,1993 **Elementary Structural Analysis and Design of Buildings** Dominick Pilla,2017-09-19 This overview of the analysis and design of buildings runs from basic principles and elementary structural analysis to the selection of structural systems and materials and on to foundations and retaining structures It presents a variety of approaches and methodologies while featuring realistic design examples As a comprehensive guide and desk reference for practicing structural and civil engineers and for engineering students it draws on the author s teaching experience at The City College of New York and his work as a design engineer and architect It is especially useful for those taking the National Council of Examiners for Engineering and Surveying SE exam *Principles of Structural Design* Ram S. Gupta,2019-06-17 Timber steel and concrete are common engineering materials used in structural design Material choice depends upon the type of structure availability of material and the preference of the designer The design practices the code requirements of each material are very different In this updated edition the elemental designs of individual components of each material are presented together with theory of structures essential for the design Numerous examples of complete structural designs have been included A comprehensive database comprising materials properties section properties specifications and design aids has been included to make this essential reading

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