



Structural Loads: 2012 IBC And ASCE/SEI 7-10

By David A., Ph.d. Fanella



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This publication has been developed to assist designers in the proper understanding and determination of structural loads in accordance with the 2012 edition of the International Building Code® (IBC®) and ASCE/SEI 7-10, including dead load, occupancy live load, roof live load and environmental loads such as rain, snow, ice, flood, wind and seismic loads. This updated edition includes a new chapter on load path, a new section on atmospheric ice loads and completely updated discussion of the new wind design procedures in ASCE/SEI 7-10. The new edition also includes problems at the end of each chapter along with an online solutions manual. The load requirements in the 2012 IBC and ASCE/SEI 7-10 are presented in a straightforward manner with emphasis placed on the proper application of the provisions in everyday practice. The structural load provisions are organized in comprehensive flowcharts that provide a road map to guide the reader through the requirements. Included in the flowcharts are the applicable sections numbers and equation numbers from the IBC and ASCE/SEI 7 that pertain to specific requirements. Features: Numerous completely worked-out design examples are included in the chapters that clearly illustrate proper application of the code requirements Problems are solved in a straight forward step-by-step fashion with extensive use of flowcharts and load diagrams The design examples follow the steps provided in the referenced flowcharts The new edition includes problems at the end of each chapter along with an online solutions manual that provides complete solutions to each problem



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