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ASCE STANDARD

American Society of Civil Engineers

Seismic Evaluation of Existing Buildings



ASCE/SEI 31-03

American Society of Civil Engineers

Seismic Evaluation of Existing Buildings

This document uses both the International System of Units (SI) and customary units.



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STANDARDS

In April 1980, the Board of Direction approved ASCE Rules for Standards Committees to govern the writing and maintenance of standards developed by the Society. All such standards are developed by a consensus standards process managed by the Codes and Standards Activities Committee. The consensus process includes balloting by the balanced standards committee, which is composed of Society members and nonmembers, balloting by the membership of ASCE as a whole, and balloting by the public. All standards are updated or reaffirmed by the same process at intervals not exceeding 5 years.

The following standards have been issued:

ANSI/ASCE 1-82 N-725	Guideline for Design and Analysis of Nuclear Safety Related Earth Structures
ANSI/ASCE 2-91	Measurement of Oxygen Transfer in Clean Water
ANSI/ASCE 3-91	Standard for the Structural Design of Composite Slabs and ANSI/ASCE 9-91 Standard Practice for the Construction and Inspection of Composite Slabs
ASCE 4-98	Seismic Analysis of Safety-Related Nuclear Structures
Building Code Requirements for Masonry Structures (ACI 530-02/ASCE 5-02/TMS 402-02) and Specifications for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02)	
SEI/ASCE 7-02	Minimum Design Loads for Buildings and Other Structures
ASCE 8-02	Standard Specification for the Design of Cold-Formed Stainless Steel Structural Members
ANSI/ASCE 9-91	Listed with ASCE 3-91
ASCE 10-97	Design of Latticed Steel Transmission Structures
SEI/ASCE 11-99	Guideline for Structural Condition Assessment of Existing Buildings
ANSI/ASCE 12-91	Guideline for the Design of Urban Subsurface Drainage
ASCE 13-93	Standard Guidelines for Installation of Urban Subsurface Drainage
ASCE 14-93	Standard Guidelines for Operation and Maintenance of Urban Subsurface Drainage
ASCE 15-98	Standard Practice for Direct Design of Buried Precast Concrete Pipe Using Standard Installations (SIDD)
ASCE 16-95	Standard for Load and Resistance Factor Design (LRFD) of Engineered Wood Construction
ASCE 17-96	Air-Supported Structures
ASCE 18-96	Standard Guidelines for In-Process Oxygen Transfer Testing
ASCE 19-96	Structural Applications of Steel Cables for Buildings
ASCE 20-96	Standard Guidelines for the Design and Installation of Pile Foundations
ASCE 21-96	Automated People Mover Standards—Part 1
ASCE 21-98	Automated People Moves Standards—Part 2
ASCE 21-00	Automated People Mover Standards—Part 3
SEI/ASCE 23-97	Specification for Structural Steel Beams with Web Openings
SEI/ASCE 24-98	Flood Resistant Design and Construction

ASCE 25-97	Earthquake-Actuated Automatic Gas Shut-Off Devices
ASCE 26-97	Standard Practice for Design of Buried Precast Concrete Box Sections
ASCE 27-00	Standard Practice for Direct Design of Precast Concrete Pipe for Jacking in Trenchless Construction
ASCE 28-00	Standard Practice for Direct Design of Precast Concrete Box Sections for Jacking in Trenchless Construction
SEI/ASCE/SFPE 29-99	Standard Calculation Methods for Structural Fire Protection
SEI/ASCE 30-00	Guideline for Condition Assessment of the Building Envelope
ASCE/SEI 31-03	Seismic Evaluation of Existing Buildings
SEI/ASCE 32-01	Design and Construction of Frost-Protected Shallow Foundations
EWRI/ASCE 33-01	Comprehensive Transboundary International Water Quality Management Agreement
EWRI/ASCE 34-01	Standard Guidelines for Artificial Recharge of Ground Water
EWRI/ASCE 35-01	Guidelines for Quality Assurance of Installed Fine-Pore Aeration Equipment
CI/ASCE 36-01	Standard Construction Guidelines for Microtunneling
SEI/ASCE 37-02	Design Loads on Structures During Construction
CI/ASCE 38-02	Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data
EWRI/ASCE 39-03	Standard Practice for the Design and Operation of Hail Suppression Projects

FOREWORD

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