

Minimum Design Loads for Buildings and Other Structures

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

American Society of Civil Engineers

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The following standards have been issued:

- ANSI/ASCE 1-82 N-725 Guideline for Design and Analysis of Nuclear Safety Related Earth Structures
- ASCE/EWRI 2-06 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)
- ASCE/SEI 7-10 Minimum Design Loads for Buildings and Other Structures
- SEI/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
- ASCE/EWRI 12-05 Guideline for the Design of Urban Subsurface Drainage
- ASCE/EWRI 13-05 Standard Guidelines for Installation of Urban Subsurface Drainage
- ASCE/EWRI 14-05 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 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
- ANSI/ASCE/T&DI 21-05 Automated People Mover Standards—Part 1
- ANSI/ASCE/T&DI 21.2-08 Automated People Mover Standards—Part 2
- ANSI/ASCE/T&DI 21.3-08 Automated People Mover Standards—Part 3
- ANSI/ASCE/T&DI 21.4-08 Automated People Mover Standards—Part 4
- SEI/ASCE 23-97 Specification for Structural Steel Beams with Web Openings
- ASCE/SEI 24-05 Flood Resistant Design and Construction
- ASCE/SEI 25-06 Earthquake-Actuated Automatic Gas Shutoff 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
- ASCE/SEI/SFPE 29-05 Standard Calculation Methods for Structural Fire Protection
- SEI/ASCE 30-00 Guideline for Condition Assessment of the Building Envelope
- SEI/ASCE 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

STANDARDS

- 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
- ASCE/EWRI 40-03 Regulated Riparian Model Water Code
- ASCE/SEI 41-06 Seismic Rehabilitation of Existing Buildings
- ASCE/EWRI 42-04 Standard Practice for the Design and Operation of Precipitation Enhancement Projects
- ASCE/SEI 43-05 Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities
- ASCE/EWRI 44-05 Standard Practice for the Design and Operation of Supercooled Fog Dispersal Projects
- ASCE/EWRI 45-05 Standard Guidelines for the Design of Urban Stormwater Systems
- ASCE/EWRI 46-05 Standard Guidelines for the Installation of Urban Stormwater Systems
- ASCE/EWRI 47-05 Standard Guidelines for the Operation and Maintenance of Urban Stormwater Systems
- ASCE/SEI 48-05 Design of Steel Transmission Pole Structures
- ASCE/EWRI 50-08 Standard Guideline for Fitting Saturated Hydraulic Conductivity Using Probability Density Functions
- ASCE/EWRI 51-08 Standard Guideline for Calculating the Effective Saturated Hydraulic Conductivity
- ASCE/SEI 52-10 Design of Fiberglass-Reinforced Plastic (FRP) Stacks
- ASCE/G-I 53-10 Compaction Grouting Consensus Guide

FOREWORD

The material presented in this standard has been prepared in accordance with recognized engineering principles. This standard should not be used without first securing competent advice with respect to its suitability for any given application. The publication of the material contained herein is not intended as a representation or warranty on the part of the American Society of Civil Engineers, or of any other person named herein, that this information is suitable for any general or particular use or promises freedom from

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In the margin of Chapters 1 through 23, a bar has been placed to indicate a substantial technical revision in the standard from the 2005 edition. Because of the reorganization of the wind provisions, these bars are not used in Chapters 26 through 31. Likewise, bars are not used to indicate changes in any parts of the Commentary.

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DEDICATION



Thomas R. Tyson, P.E., S.E.

The members of the Minimum Design Loads for Buildings and Other Structures Standards Committee of the Structural Engineering Institute respectfully dedicate this Standard in the memory of Thomas R. Tyson, P.E., S.E., who passed away on December 19, 2009.

His structural engineering expertise complemented his dedication to our profession, and these qualities guided the members of the Live Load Subcommittee, which he chaired during the preparation of this Standard. His practical advice, quick smile, and good nature will be greatly missed.

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CONTENTS

Standards	iii
Foreword	v
Acknowledgments	vii
Dedication	xiii
1 General	1
1.1 Scope	1
1.2 Definitions and Notations	1
1.2.1 Definitions	1
1.1.2 Symbols and Notations	2
1.3 Basic Requirements	2
1.3.1 Strength and Stiffness	2
1.3.1.1 Strength Procedures	3
1.3.1.2 Allowable Stress Procedures	3
1.3.1.3 Performance-Based Procedures	3
1.3.2 Serviceability	3
1.3.3 Self-Straining Forces	4
1.3.4 Analysis	4
1.3.5 Counteracting Structural Actions	4
1.4 General Structural Integrity	4
1.4.1 Load Combinations of Integrity Loads	4
1.4.1.1 Strength Design Notional Load Combinations	4
1.4.1.2 Allowable Stress Design Notional Load Combinations	4
1.4.2 Load Path Connections	4
1.4.3 Lateral Forces	4
1.4.4 Connection to Supports	4
1.4.5 Anchorage of Structural Walls	5
1.4.6 Extraordinary Loads and Events	5
1.5 Classification of Buildings and Other Structures	5
1.5.1 Risk Categorization	5
1.5.2 Multiple Risk Categories	5
1.5.3 Toxic, Highly Toxic, and Explosive Substances	5
1.6 Additions and Alterations to Existing Structures	6
1.7 Load Tests	6
1.8 Consensus Standards and Other Referenced Documents	6
2 Combinations of Loads	7
2.1 General	7
2.2 Symbols	7
2.3 Combining Factored Loads Using Strength Design	7
2.3.1 Applicability	7
2.3.2 Basic Combinations	7
2.3.3 Load Combinations Including Flood Load	7
2.3.4 Load Combinations Including Atmospheric Ice Loads	8
2.3.5 Load Combinations Including Self-Straining Loads	8
2.3.6 Load Combinations for Nonspecified Loads	8

CONTENTS

2.4	Combining Nominal Loads Using Allowable Stress Design	8
2.4.1	Basic Combinations	8
2.4.2	Load Combinations Including Flood Load	9
2.4.3	Load Combinations Including Atmospheric Ice Loads	9
2.4.4	Load Combinations Including Self-Straining Loads	9
2.5	Load Combinations for Extraordinary Events	9
2.5.1	Applicability	9
2.5.2	Load Combinations	9
2.5.2.1	Capacity	9
2.5.2.2	Residual Capacity	9
2.5.3	Stability Requirements	9
3	Dead Loads, Soil Loads, and Hydrostatic Pressure	11
3.1	Dead Loads	11
3.1.1	Definition	11
3.1.2	Weights of Materials and Constructions	11
3.1.3	Weight of Fixed Service Equipment	11
3.2	Soil Loads and Hydrostatic Pressure	11
3.2.1	Lateral Pressures	11
3.2.2	Uplift on Floors and Foundations	12
4	Live Loads	13
4.1	Definitions	13
4.2	Loads Not Specified	13
4.3	Uniformly Distributed Live Loads	13
4.3.1	Required Live Loads	13
4.3.2	Provision for Partitions	13
4.3.3	Partial Loading	13
4.4	Concentrated Live Loads	13
4.5	Loads on Handrail, Guardrail, Grab Bar, Vehicle Barrier Systems, and Fixed Ladders	14
4.5.1	Loads on Handrail and Guardrail Systems	14
4.5.2	Loads on Grab Bar Systems	14
4.5.3	Loads on Vehicle Barrier Systems	14
4.5.4	Loads on Fixed Ladders	14
4.6	Impact Loads	14
4.6.1	General	14
4.6.2	Elevators	14
4.6.3	Machinery	14
4.7	Reduction in Live Loads	14
4.7.1	General	14
4.7.2	Reduction in Uniform Live Loads	15
4.7.3	Heavy Live Loads	15
4.7.4	Passenger Vehicle Garages	15
4.7.5	Assembly Uses	15
4.7.6	Limitations on One-Way Slabs	15
4.8	Reduction in Roof Live Loads	15
4.8.1	General	15
4.8.2	Flat, Pitched, and Curved Roofs	15
4.8.3	Special Purpose Roofs	16
4.9	Crane Loads	16
4.9.1	General	16
4.9.2	Maximum Wheel Load	16