

Part IX—Referenced Standards

CHAPTER 12 REFERENCED STANDARDS

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.4.

Standard reference number	Title	Referenced
		in code section number
870—09	Direct Georexchange Heat Pumps	Table 607.2.2.1, Table 613.4.2.3

AHRI Air Conditioning, Heating and Refrigeration Institute
2111 Wilson Blvd, Suite 500
Arlington, VA 22201

Standard reference number	Title	Referenced
		in code section number
Z21.50/CSA 2.22—03	Vented Gas Fireplaces . . . . .	.804.1.3
Z21.88a/CSA 2.33a	ANSI/CSA Standard for Vented Gas Fireplace Heaters . . . . .	.804.1.3

ANSI American National Standards Institute
25 West 43rd Street, Fourth Floor
New York, NY 10036

Standard reference number	Title	Referenced
		in code section number
2005	Standard Methods for Examination of Water and Waste Water-21st Edition. . . . .	.707.16.1.1

APHA American Public Health Association
801 I Street NW
Washington, DC 20001

Standard reference number	Title	Referenced
		in code section number
February 1, 2008	California Air Resources Board, Architectural Coatings Suggested Control Measures	Table 806.3(1)

ARB California Air Resource Board
1001 "I" Street, P. O. Box 2815
Sacramento, CA 9512

Standard reference number	Title	Referenced
		in code section number
ANSI/ASA S12.2-2008	Criteria for Evaluating Room Noise	Table 903.1
ANSI/ASA S12.60-2010/Pt.1	Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools, Part 1: Permanent Schools	Table 807.4.3
ANSI/ASA S12.60-2009/Pt.2	Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools, Part 2; Relocatable Classroom Factors.	Table 807.4.3

ASA Acoustical Society of America
2 Huntington Quadrangle, Suite 1N01
Melville, NY 11747-4502

REFERENCED STANDARDS

ASME

American Society of Mechanical Engineers
 Three Park Avenue
 New York, NY 10016-5990

Standard reference number	Title	Referenced in code section number
A112.18.1/CSA B125.1—2010	Plumbing Supply Fittings	Table 702.1, Table 702.1.1(2), 702.2

ASHRAE

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
 1791 Tullie Circle
 Atlanta, GA 30329-2305

Standard reference number	Title	Referenced in code section number
55—2004	Thermal Environmental Conditions on Human Occupancy	607.6.1, 803.2, C102.6.1
62.1—2010	Ventilation for Acceptable Indoor Air Quality	605.3, 607.3, C102.6.1
90.1—2010	Energy Standard for Buildings Except Low-rise Residential Buildings (ANSI/ASHRAE/IESNA 90.1-2007)	613.4.2.1, 613.4.2.2, 613.4.5, 613.5.3
140—2010	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	602.3.2
189.1—2009	Standard for the Design of High Performance Green Buildings, Except Low-rise Residential Buildings	302.1, Table 302.1

ASSE

American Society of Mechanical Engineers
 Three Park Avenue
 New York, NY 10016-5990

Standard reference number	Title	Referenced in code section number
1016—2010	Performance Requirements for Automatic Compensating, Valves for Individual Showers and Tub/Shower Combinations.	Table 702.1, Table 702.1.1(2)

ASTM

ASTM International
 100 Barr Harbor Drive
 West Conshohocken, PA 19428

Standard reference number	Title	Referenced in code section number
C 5—10	Standard Specification for Quicklime for Structural Purpose	507.5.10
C 206—03(2009)	Standard Specification for Finishing Hydrated Lime	507.5.10
C 1371—04a	Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emmissometers	404.3.1.1
C 1549—09	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer	404.3.1.1
D 2974—07a	Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and other Organic Soils	406.5.2.1
D 3385—09	Standard Test Method for Infiltration Rate of Soils in Field Using Double-ring Infiltrometer	406.5.2.2
D 3960—05	Standard Practice of Determining Volatile Organic Compound (VOC) Content of Paints & Related Coatings	806.2, 806.3
D 5093—02(2008)	Standard Test Method for Field Measurement of Infiltration Rate Using Double-ring Infiltrometer with Sealed-Inner Ring	406.5.2.2
D 5055—10	Standard Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists	Table 806.1
D 5456—10	Standard Specification for Evaluation of Structural Composite Lumber Products	Table 806.1
D 6886—03	Standard Test Method for Specification of the Volatile Organic Compounds (VOCs) in Low VOC Content Waterborne Air-dry Coatings by Gas Chromatography	503.2.4
D 7612—10	Standard Practice in Categorizing Wood and Wood-based Products according to their Fiber Sources	202
E 90—04	Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	807.2, 807.3 807.4.1, 809.2, 809.3
E 96/E96M—05	Standard Test Method for Water Vapor Transmission of Materials	507.6
E 408—71(2008)	Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques	404.3.1.1
E 413—10	Classification for Rating Sound Insulation	807.4.1
E 779—10	Standard Test Method for Determining Air Leakage Rate by Ton Pressurization	606.1.4.2
E 1332—90 (2003)	Standard Classification for the Determination of Outdoor-Indoor Transmission Class	807.2
E 1368—05e1	Standard Practice for Visual Inspection of Asbestos Abatement Projects	1003.3.10

ASTM—continued

E 1509—04	Standard Specification for Room Heaters, Pellet Fuel-burning Type	804.1.6
E 1643—10	Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granules Fill Under Concrete Slabs	804.2.2
E 1918—06	Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-sloped Surfaces in the Field	404.3.1.1
E 1980—01	Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces	202, 404.1.1, 404.2.1, 404.3.1.2
E 2112—07	Standard Practice for Installation of Exterior Windows, Doors and Skylights	504.3.3
E 2356—09	Standard Practice for Comprehensive Building Asbestos Surveys	1003.3.10
E 2396—11	Standard Test Method for Saturated Water Permeability of Granular Drainage Media (Falling-head Method) for Vegetative (Green) Roof Systems	405.6
E 2397—06	Standard Practice for Determination of Dead Loads and Live Loads Associated with Green Roof Systems	405.6
E 2398—05	Standard Test Method for Water Capture and Media Retention of Geocomposite Drain Layers For Green Roof Systems	406.6
E 2400—2000	Standard Guide for Selection, Installation and Maintenance of Plants for Green Roof Systems	405.6
F 1639—05	Standard Test Method for Performance of Combination Ovens	705.1.3
C 920—05	Standard Specification for Elastomeric Joint Sealants	R406.4.1
C 926—98a (2005)	Specification for Application of Portland Cement-based Plaster	R702.2.2, R703.6, R703.6.2, R703.6.4
C 931/C 931M—04	Specification for Exterior Gypsum Soffit Board	R702.3.1
C 933—05	Specification for Welded Wire Lath	R702.2.1, R702.2.2.2
D 1863—05	Specification for Mineral Aggregate Used in Built-up Roofs	Table R905.9.2
D 1970—01	Specification for Self-adhering Polymer Modified Bitumen Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection	R905.2.3, R905.2.8, R905.4.3
D 2126—04	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging	Table R613.3.1
D 2178—04	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing	Table R905.9.2

California Code of Regulations
 Department of Industrial Relations
 Office of the Director
 455 Golden Gate Avenue
 San Francisco, CA 94102

CCR

Standard reference number	Title	Referenced in code section number
Section 93120-Title 17	California Code Regulations, Airborne Toxic Control Measure to Reduce Formaldehyde Emissions	806.1

California Department of Public Health
 1615 Capitol Avenue
 Sacramento, CA 95814

CDPH

Standard reference number	Title	Referenced in code section number
CDPH Section 01350	EHLB Standard Method for Testing VOC Emissions from Indoor Sources	806.1

Cool Roof Rating Council
 1610 Harrison Street
 Oakland, CA 94612

CRRC

Standard reference number	Title	Referenced in code section number
CRRC-1	Cool Roof Rating Council Standard	404.3.1.1, 404.3.1.2

REFERENCED STANDARDS

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario, Canada L4N 5N6

Standard reference number	Title	Referenced in code section number
CAN/CSA B366.1-2009	Solid-fuel-fired Central Heating Appliances	804.1.6
CSA Z21.50/CSA 2.22-2003	Vented Gas Fireplaces	804.1.3
CSA Z21.88a/CSA 2.33a	ANSI/CSA Standard for Vented Gas Fireplace Heaters	804.1.3

DCHS

California Department of Health Services
Office of Regulations
P.O. Box 997413, MS 0015
Sacramento, CA 95899-7413

Standard reference number	Title	Referenced in code section number
CA/DHS/EHLB/R-174-2010	Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers, Version 1.1 February 2010.	2004-1, 806.2, Table 806.2(2), 806.3, Table 806.2(2), 806.5, 806.6, 809.2.4

DOC

United States Department of Commerce
National Institute of Standards and Technology
1401 Constitution Avenue, NW
Washington, DC 20230

Standard reference number	Title	Referenced in code section number
NOAA	National Oceanic and Atmospheric Administration Annual Mean Sunshine Percentage Table	Table 609.5
PS1—09	Structural Plywood	Table 806.1
PS2—10	Performance Standard for Wood-based Structural-use Panels	Table 806.1

DOE

U.S. Department of Energy
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard reference number	Title	Referenced in code section number
10 CFR Part 431	Sub-Part K, Appendix A	Table 609.8.1.1(1), Table 609.8.1.1(2), Table 609.8.1.1(3)
DOE/CH/10093-4-10/86	Appendix C of NREL “Wind Energy Resource Atlas of United States”	611.3
NREL, 2003	Photovoltaic Resource Map.	Figure 611.4

EPA

Federal Emergency Management Agency
500 C Street, SW
Washington, DC 20472

Standard reference number	Title	Referenced in code section number
40 CFR, Part 60 Subpart AAA	EPA Standards of Performance for New Residential Wood Heaters.	804.1.5
40 CFR 300	Small Business Liability Relief and Brownfield Revitalization Act-Public Law 107-118	202
EPAct 2005	Energy Act 2005	609.8.1.1
EPA eGRID 2007	Version 1.1; 2005 data; EPA eGrid Data.	Table 603.1.1(1); Table 603.1.1(2), Table 603.1.3
ENERGY STAR	Energy Star	404.3.1, 607.2.2.3, 607.2.3.1, 610.2.3, 610.3.1, 610.3.2, 613.4.2.1, 613.4.2.2, 613.4.5, 613.5.3, 613.5.1.1, 613.5.1.2, 609.2, Table 702.1, Table 702.1.1(2), 702.6.1, 702.6.2, 702.6.4, C102.2
Montreal Protocol-1992	The Montreal Protocol on Substances that Deplete the Ozone Layer- http://www.epa.gov/Ozone/title6/phaseout/22phaseout.html	C103
	Radon Manual for Large Bldgs; Radon Manual for Large Bldgs; Radon Manual Schools & Large Buildings	40 CFR part 61 subpart 61.145, 61.150, 61.154 , Chapter 2 & EPA 625-R-016.

EPA—continued

US EPA Method 24	Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings . . . . .	.806.2
Water Sense Feb-2007	High Efficiency Toilet Specification	Table 702.1, Table 702.1.1(3)
Water Sense October-2007	Lavatory Faucet Specification	Table 702.1
Water Sense October-2009	Flushing Urinal Specification	Table 702.1
Water Sense March 2010	Showerhead Specification	Table 702.1

FSC Forest Stewardship Council
212 Third Avenue, North, Suite 504
Minneapolis, MN 55401

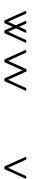
Standard reference number	Title	Referenced in code section number
V.1-7/2010	Forest Management Initiative Version 1.0 – 7/2010 . . . . .	.503.2.4

IAPMO International Association of Plumbing and Mechanical Officials
5001 E. Philadelphia Street
Ontario, CA 91761

Standard reference number	Title	Referenced in code section number
IAPMO GPMCS—2010	Green Plumbing and Mechanical Code	Chapter 7

ICC International Code Council, Inc.
500 New Jersey Ave, NW, 6th Floor
Washington, DC 20001

Standard reference number	Title	Referenced in code section number
IBC—12	International Building Code®	102.3.4, 201.3, 608, 610.2, Table 702.2.2(1), Table 702.1.1(2), 201.3, 202, 304.1, 403.3.2, 403.4, 406.3.1, 606.1.1.1, 609.3, 610.2, 703.7.1, 707.12.7.3, 708.12.6.4, 710.6.1, 710.7, 803.1.2.1, 804.1.7, 1002.1, 1003.3.4, 1004.1, 1104.1
IFGC—12	International Fuel Gas Code®	102.4.2, 201.3, 604.4.1, 610.2, 804.1.2
IMC—12	International Mechanical Code®	102.4.3, 201.3, 202, 604.4.2, 605.3, 607.3, 607.9.1, 610.2, 612.1.2.1, 703.7, 803.1.2.1, 803.3, 804.1.2
IPC—12	International Plumbing Code®	102.3.4, 201.3, 608, 610.2, Table 702.2.2(1), Table 702.1.1(2), 704.1.3, 704.2, 707.5, 707.6, 707.11, 705.2, 707.3, 707.12.3.2, 707.12.4.1, 707.12.4.2, 707.12.4.3, 707.12.7.2, 707.12.7.4, 707.12.7.5, 707.12.7.6, 707.12.10, 707.12.7.11, 707.12.11, 707.12.11.3, 707.12.12.1; 707.12.12.2, 707.12.12.3, 707.13.1, 707.13.2, 707.13.3, 707.13.4, 708.3, 708.5, 708.10, 708.12.1.1, 708.12.2, 708.12.3.1, 708.12.3.2, 708.12.3.3, 708.12.6.5, 708.12.6.6, 708.12.6.8, 708.12.6.11, 708.12.8, 708.12.9, 708.12.9.3, 708.12.10.1, 708.12.10.2, 708.12.10.3, 708.13.1, 708.13.2, 708.13.3, 708.13.4, 709.3, 709.4, 709.7, 709.8, 707.9.1.1, 709.9.1.2, 709.9.1.3, 709.10.1, 709.10.2, C102.5.1
IPMC—12	International Property Maintenance Code®	102.4.6, 102.6
IFC—12	International Fire Code®	102.4.6, 102.6, 201.3
IECC—12	International Energy Conservation Code®	102.4.8, 201.3, 202, 404.2, 404.3, 407.4.1, 407.4.2, 407.4.3, 407.4.4, 601.3, 602.2.2.1, 602.3.2.2, 603.1.2, 603.2, 603.2.1, 603.3, Table 603.3(1), Table 603.3(2), 603.4, 606.1, 606.1.1, 606.1.4.3, 607.1, 607.2.1, 607.2.3, 607.4, 607.6, 607.8, 607.9, 607.9.1, 608.1, 608.2.1, 608.3, 608.4, 609.1, 609.7, 609.9, 609.11, 610.2, 612.1, 612.3, 612.3.2, 612.3.3.1, 612.3.3.3, 612.4, 612.4.2, 613.4.2.1, 613.4.2.2, 613.4.4, 613.4.5, 613.5.3, 613.6.2, 613.6.3, Table 903.1, 1003.3.5, 1104.1
IWUIC—12	International Wildland-Urban Interface Code™	102.4.9
ICC-PC—12	International Performance Code®	102.4.10
IEBC—12	International Existing Building Code®	102.4.11, 102.6
IRC—12	International Residential Code®	202, 804.2
IZC—12	International Zoning Code®	102.4.12



REFERENCED STANDARDS

IEC	The International Electrotechnical Commission Central Office 3, rue de Varembe' P. O. Box 131 Ch-1211 Geneva 20, Switzerland	
	Standard reference number	Referenced in code section number
	Title	
IEC, 60034-30—09	Standard on Efficiency Classes for Low Voltage AC motors	610.2.1.1, 610.2.2.2

IESNA	Illuminating Engineering Society of North America 120 Wall Street, 17th Floor New York, NY 10005-4001	
	Standard reference number	Referenced in code section number
	Title	
TM-15-07	Luminaire Classification System for Outdoor Luminaires	Table 405.2, Table 405.3(1), Table 405.3(2)

ISEA	International Safety Equipment Association 1901 N. Moore Street, Suite 808 Arlington, VA 22209	
	Standard reference number	Referenced in code section number
	Title	
Z358.1	Emergency Eyewash and Shower Equipment	702.1.3

ISO	International Organization for Standardization ISO Central Secretariat 1, ch. de la Voie - Creuse, Case postale 56 CH-1211 Geneva 20, Switzerland	
	Standard reference number	Referenced in code section number
	Title	
13256-1—98	Water to Air Closed Loop	Table 607.2.2.1, Table 613.5.1.3
13256-1—98	Water to Air Open Loop	Table 607.2.2.1, Table 613.5.1.3
13256-2—98	Water to Water Closed Loop	Table 607.2.2.1, Table 613.5.1.3
13256-2—98	Water to Water Open Loop	Table 607.2.2.1, Table 613.5.1.3
14044—06	Environmental management – Lifecycle Assessment-requirements and Guidelines	304
ISO/IEC 17025—05	General Requirements for the Competence of Testing and Calibration Laboratories.	806.2, Table 806.2(2), 806.3, 806.4, 806.5, 806.6, 809.2.4, 2004

NFPA	National Fire Protection Association 1 Batterymarch Park Quincy, MA 02269	
	Standard reference number	Referenced in code section number
	Title	
NFPA 70—11	National Electrical Code	507.1, 507.10, 507.12, 604.4.4, 611.2.3.2, 611.3.3.1
NFPA 72—10	National Alarm and Signaling Code	710.6.2

NREL	National Renewable Energy Laboratory 1617 Cole Boulevard Golden, CO 80401-3305	
	Standard reference number	Referenced in code section number
	Title	
SERI TR-642-761	Simplified Clear Sky Model for Direct and Diffuse Insolation on Horizontal Surfaces	611.2

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105

Standard reference number	Title	Referenced in code section number
NSF/ANSI 44—09	Residential Cation Exchange Water . . . . .	.704.1.2, 704.1.4
NSF/ANSI 50—09	Equipment for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities	708.12.7.1
NSF/ANSI 58—09	Reverse Osmosis Drinking Water Treatment Systems . . . . .	.704.2
NSF/ANSI 61—09	Drinking Water Systems Components – Health Effects . . . . .	.707.16
NSF/P151—95	Health Effects from Rain Water Catchment Systems Components . . . . .	.707.12.1.1

SCAQMD

South Coast Air Quality Management District
21865 Capley Drive
Diamond Bar, CA 91765

Standard reference number	Title	Referenced in code section number
SCAQMD Method 302-91 (Revised 1993)	Distillation of Solvents from Paints, Coatings and Inks, South Coast Air Quality Management District	803.2
SCAQMD Method 303-91 (Revised 1993)	Determination of Exempt Compounds, South Coast Air Quality Management District	803.2
SCAQMD Method 304-91 (Revised February 1996)	Determination of Volatile Organic Compounds (VOC) in Various Materials, South Coast Air Quality Management District	803.2
SCAQMD Method 316A-92	Determination of Volatile Organic Compounds (VOC) in Materials Used for Pipes and Fittings.	803.2
SCAQMD Method 316B-92	Determination of Volatile Organic Compounds (VOC) In Adhesives containing Cyanoacrylates	803.2
SCAQMD Rule 1168	Adhesives and Sealant Applications . . . . .	.806.2

SFI

Sustainable Forest Initiative, Inc.
900 17th Street, NW, Suite 700
Washington, DC 20006

Standard reference number	Title	Referenced in code section number
SFI-2010-2014	Sustainable Forest Initiative 2010-2014. . . . .	.503.2.4

SMACNA

Sheet Metal & Air Conditioning Contractors National Assoc. Inc.
4021 Lafayette Center Road
Chantilly, VA 22021

Standard reference number	Title	Referenced in code section number
2010	SMACNA HVAC Air Duct Leakage Test Manual (1st Edition) . . . . .	.607.4.1, 613.4.4

TCIA

Tree Care Industry Association
136 Harvey Road, Suite 101
Londonderry, NH 03053

Standard reference number	Title	Referenced in code section number
ANSI A300 Part 5 2005	Tree Shrub and Other Woody Plt Mgmt-Management of Trees and Shrubs During Site Planning, Site Development, and Construction . . . . .	.406.4.1

REFERENCED STANDARDS

TMS

The Masonry Society
3970 Broadway, Suite 201-D
Boulder, CO 80304

Standard reference number	Title	Referenced in code section number
0302—2011	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	809.3, 809.5.1

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
UL 181—2005	Factory-Made Air Ducts & Air Connectors	802.5
UL 1703—2002	Standard for Flat-plate Photovoltaic Modules & Panels	611.3.1.3
UL 1741—2010	Standard for Invertors, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources	611.3.1.4
UL 1482—2011	Room Heaters, Solid Fuel Type	804.1.5

USCC

US Composting Council
1 Comac Loop 14 B1
Rokonkoma, NY 11779

Standard reference number	Title	Referenced in code section number
TMECC 05.7a	Test Method for the Examination of Composting and Compost	406.4.2.1

USDA

United States Department of Agriculture
Office of Energy Policy and New Uses
Room 361, Reporters Bldg.
300 Seventh Street, SW
Washington, DC 20024

Standard reference number	Title	Referenced in code section number
7 CFR Part 2902-Rev. 1/1/06	Guidelines for Designating Bio-based Products for Federal Procurement	503.2.4

WQA

Water Quality Association
International Headquarters and Laboratory
4151 Naperville Road
Lisle, IL 60532

Standard reference number	Title	Referenced in code section number
WQA—2000	Voluntary Industry Standard for Point-of-use Low-pressure Reverse Osmosis Drinking Water Systems	704.3