

CHAPTER 6

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 106.

Standard reference number	Title	Referenced in code section number
<p>AABC Associated Air Balance Council 1518 K Street, Suite 503 Washington, DC 20005</p>		
AABC, 1989	Associated Air Balance Council National Standard . . . . .	.503.2.9.1

Standard reference number	Title	Referenced in code section number
<p>AAMA American Architectural Manufacturers Association 1827 Walden Office Square Suite 550 Schaumburg, IL 60173-4268</p>		
AAMA/WDMA/CSA 101/I.S.2/A c440—05	Specifications for Windows, Doors and Unit Skylights.	402.4.4, 502.3.1

Standard reference number	Title	Referenced in code section number
<p>ACCA Air Conditioning Contractors of America 2800 Shirlington Road, Suite 300 Arlington, VA 22206</p>		
ACCA Manual D—1995	Residential Duct Systems . . . . .	.403.2.5, 503.2.7.5
ACCA Manual J—2003	Residential Load Calculation, Eighth Edition with posted updates/errata.	403.6.1
ACCA Manual N—2005	Commercial Load Calculation. . . . .	.503.2.1
ACCA Manual S—2004	Equipment Selection Procedure . . . . .	.403.6.1
ASHRAE/ACCA 183—2007	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings . . . . .	.503.2.1

Standard reference number	Title	Referenced in code section number
<p>ADC Air Diffusion Council 1000 E. Woodfield Rd., Suite 102 Schaumburg, IL 60173-5921</p>		
ADC 2003	Flexible Duct Performance & Installation Standards, Fourth Edition.	Table 503.2.7.2

Standard reference number	Title	Referenced in code section number
<p>AHAM Association of Home Appliance Manufacturers 20 North Wacker Dr. Chicago, IL 60606</p>		
ANSI/AHAM RAC1—03	Room Air Conditioners.Table 503.2.3(3)

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AHRI

Air Conditioning, Heating, and Refrigeration Institute
 4100 North Fairfax Drive
 Suite 200
 Arlington, VA 22203

Standard reference number	Title	Referenced in code section number
210/240—03	Unitary Air-Conditioning and Air-Source Heat Pump Equipment	Table 503.2.3(1), Table 503.2.3(2)
310/380—93	Standard for Packaged Terminal Air-conditioners and Heat Pumps	Table 503.2.3(3)
340/360—07	Commercial and Industrial Unitary Air-conditioning and Heat Pump Equipment	Table 503.2.3(1), Table 503.2.3(2)
365—02	Commercial and Industrial Unitary Air-conditioning Condensing Units	Table 503.2.3(6)
390—03	Performance Rating of Single Packaged Vertical Air Conditioners and Heat Pumps	Table 503.2.3(3)
440—05	Room Fan-coil	503.2.8
470—06	Performance Rating of Desuperheater/Water Heaters	405.6.6, Appendix C Form 400D
550/590—98	Water Chilling Packages Using the Vapor Compression Cycle—with Addenda	Table 503.2.3(7)
560—00	Absorption Water Chilling and Water Heating Packages	Table 503.2.3(7)
840—1998	Unit Ventilators	503.2.8
13256-1 (2004)	Water-source Heat Pumps—Testing and Rating for Performance—Part 1: Water-to-air and Brine-to-air Heat Pumps	Table 503.2.3(2)
1160—2004	Performance Rating of Heat Pump Pool Heaters	403.9.1.2, Table 504.2

AMCA

Air Movement and Control Association International
 30 West University Drive
 Arlington Heights, IL 60004-1806

Standard reference number	Title	Referenced in code section number
500D—07	Laboratory Methods for Testing Dampers for Rating	503.2.5.4.1

ANSI

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

Standard reference number	Title	Referenced in code section number
A 112.18.1M—1999	Finished and Rough Brass Plumbing Fixture Fittings	504.8.1
Z21.10.3—04	Gas Water Heaters, Volume III - Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating Tank and Instantaneous Water Heaters	202, Table 504.2
Z21.13—04	Gas-fired Low Pressure Steam and Hot Water Boilers	Table 503.2.3(5)
Z21.47a—04	Gas-fired Central Furnaces	Table 503.2.3(4)
Z21.56—2006	Gas-Fired Pool Heaters	403.9.1.1
Z83.8/CGA—06	Gas Unit Heaters and Gas-Fired Duct Furnaces	Table 503.2.3(4)

APSP

Association of Pool & Spa Professionals
 2211 Eisenhower Ave
 Alexandria, VA 22314

Standard referenced number	Title	Referenced in code section number
ANSI/APSP-14—11	Portable Electric Spa Energy Efficiency Standard	403.9, 403.9.5
ANSI/APSP-15—11	Residential Swimming Pool and Spa Energy Efficiency Standard	403.9

ARDM

Association of Refrigerant Desuperheater Manufacturers, Inc.
 c/o Doucette Industries
 4151 112 Terrace N
 Clearwater, FL 33762

Standard reference number	Title	Referenced in code section number
ARDM—88	Residential Heat Recovery Installation Guide, First Edition.	405.6.6

ASHRAE

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

Standard reference number	Title	Referenced in code section number
ANSI/ASHRAE Std. 55—1992	Thermal Environmental Conditions for Human Occupancy.	503.4.8
ANSI/ASHRAE Std. 62.1—2004	Ventilation for Acceptable Indoor Air Quality	403.5.1, 503.2.10.5, 503.4.5, 503.4.5.5
AHRI/ASHRAE 13256-1 (2005)	Water-source Heat Pumps—Testing and Rating for Performance—Part 1: Water-to-air and Brine-to-air Heat Pumps	Table 503.2.3(2)
ANSI/ASHRAE/IESNA 90.1—2004, 2007	Energy Standard for Buildings Except Low-rise Residential Buildings.	201.4, 304.1.1, 304.3.1.4, 304.3.2.1, 304.3.2.2, 402.2.5, 505.7.1, Appendix B, B-2.2
119—88 (RA 2004)	Air Leakage Performance for Detached Single-family Residential Buildings	Appendix B, Table B 1.1.2
ANSI/ASHRAE 124—1991	Methods of Testing for Rating Combination Space-Heating and Water-Heating Appliances	403.4.3.2.2.2
146—1998	Testing and Rating Pool Heaters	Table 504.2
ANSI/ASHRAE/ACCA Standard 183—2007	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings	503.2.1
13256-1 (2005)	Water-source Heat Pumps—Testing and Rating for Performance—Part 1: Water-to-air and Brine-to-air Heat Pumps (ANSI/ASHRAE/IESNA 90.1-2004)	Table 503.2.3(2)
ASHRAE 152—2004	Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems	403.2.2.1, Appendix B Table B 1.1.2
ASHRAE—2001, 2005	ASHRAE Handbook of Fundamentals	202, 402.1.1.3, Appendix B Table B 1.1.2
ASHRAE—2008	ASHRAE HVAC Systems and Equipment Handbook.	503.2.1

ASME

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

Standard reference number	Title	Referenced in code section number
PTC 4.1 - 1964 (Reaffirmed 1991)	Steam Generating Units.	Table 503.2.3(5)

ASTM

ASTM International
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2859

Standard reference number	Title	Referenced in code section number
C36/C36M—03	Standard Specification for Gypsum Wallboard	202
C 90—06b	Specification for Load-bearing Concrete Masonry Units.	304.1.1, Table 502.2(1)
C 177—04	Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus	304.2
C236—89 (1993 ^{el})	Test Method for Steady State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box.	304.2.1
C272—01	Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions.	303.2.4
C 516—02	Vermiculite Loose Fill Thermal Insulation	Table 303.2
C 518—04	Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	304.2.1
C 549—06	Perlite Loose Fill Insulation	Table 303.2
C 578—06	Rigid, Cellular Polystyrene Thermal Insulation.	Table 303.2
C 665—06	Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing	Table 303.2
C 727—01	Standard Practice for Installation and Use of Reflective Insulation in Building Constructions.	Table 303.2

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ASTM—continued

C 739—05b	Cellulosic Fiber Loose-Fill Thermal Insulation	Table 303.2
C 764—06a	Mineral Fiber Loose-Fill Thermal Insulation	Table 303.2
C 1015—06	Standard Practice for Installation of Cellulosic and Mineral Fiber Loose-Fill Thermal Insulation.	Table 303.2
C 1029—05a	Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation	Table 303.2
C 1158—05	Standard Practice for Use and Installation of Radiant Barrier Systems (RBS) in Building Construction	Table 303.2, 405.6.1
C 1224—03	Reflective Insulation for Building Applications	Table 303.2
C 1289—06	Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	Table 303.2
C 1313—05	Sheet Radiant Barriers for Building Construction Applications.	Table 303.2, 405.6.1
C 1320—05	Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light-Frame Construction	Table 303.2
C 1321—04	Standard Practice for Installation and Use of Interior Radiation Control Coating Systems (IRCC) in Building Construction	Table 303.2, 405.6.1
C1363—05	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	304.2.2
C 1371—04a	Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers.	405.6.1, 405.6.2
C 1549—04	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflector	405.6.2
E 84—06a	Test Method for Surface Burning Characteristics of Building Materials	503.2.7.3.7
E 283—04	Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen	402.4.5, 502.3.2, 502.3.8
E 903—96	Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres	405.6.2
E 1918—06	Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field	405.6.2

CRRC

Cool Roof Rating Council
1738 Excelsior Avenue
Oakland, CA 94602

Standard reference number	Title	Referenced in code section number
CRRC-1—2006	CRRC-1 Product Rating Program	405.6.2

CSA

Canadian Standards Association
5060 Spectrum Way
Mississauga, Ontario, Canada L4W 5N6

Standard reference number	Title	Referenced in code section number
101/I.S.2/A440—08	Specifications for Windows, Doors and Unit Skylights.	402.4.4, 502.3.1

CTI

Cooling Technology Tower Institute
2611 FM 1960 West, Suite H-200
Houston, TX 77068-3730.

Standard reference number	Title	Referenced in code section number
CTI ATC-105—00	Acceptance Test Code for Water Cooling Towers.	Table 503.2.3(8)
CTI ATC-105S—96	Acceptance Test Code for Closed Circuit Cooling Towers.	Table 503.2.3(8)
CTI Std. 201—04	Certification Standard for Water Cooling Tower Thermal Performance.	Table 503.2.3(8)

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 430, Subpart B, Appendix E (1998)	Uniform Test Method for Measuring the Energy Consumption of Water Heaters	403.4.3.2.1, 403.4.3.2.2, 403.4.3.2.2.1, 403.4.3.2.2.2, Table 504.2
10 CFR Part 430, Subpart B, Appendix N (1998)	Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers	Table 503.2.3(4), Table 503.2.3(5)
10 CFR Part 431, Subpart E 2004	Test Procedures and Efficiency Standards for Commercial Packaged Boilers	Table 503.2.3(6)
EPACT, 92 42 USC 6831, et seq Public Law 102-486	Energy Policy Act of 1992	403.6.2.1.1, 505.7.5
NAECA, 1987	National Appliance Energy Conservation Act of 1987	403.6.2.1, Tables 503.2.3(1), (2), (4)

Florida Code

Building Codes and Standards Office
 Florida Department of Community Affairs
 2555 Shumard Oak Blvd.
 Tallahassee, FL 32399-2100

Standard reference number	Title	Referenced in code section number
FBC-B 2010	Florida Building Code, Building	201.3, 202, Table 402.1.1, 402.2.9
FBC-M 2010	Florida Building Code, Mechanical	201.3, 503.2.5, 503.2.5.1, 503.2.6, 503.2.7.2, Table 503.2.7.2, 503.4.5
FBC-R 2010	Florida Building Code, Residential	103.1, 201.3, 202, Table 402.1.1, 405.6.1, 405.6.3
FS 2010	Florida Statutes	101.4.2, 103.1, 103.2.3.1.2, 103.2.3.2, 103.2.3.1.2, 103.2.3.2, 401.3

FSEC

Florida Solar Energy Center
 1679 Clearlake Road
 Cocoa, FL 32922-5703

Standard reference number	Title	Referenced in code section number
FSEC-RR-54—00	“The HERS Rating Method and the Derivation of the Normalized Modified Loads Method,” October 11, 2000, Fairey, P., J. Tait, D. Goldstein, D. Tracey, M. Holtz, and R. Judkoff. Available online at: http://www2.fsec.ucf.edu/en/publications/html/FSEC-RR-54-00/index.htm	Appendix B: B-1.1.3

GAMA

Gas Appliance Manufacturers Association
 PO Box 9245
 Arlington, VA 22209

Standard reference number	Title	Referenced in code section number
GAMA	Consumers’ Directory of Certified Efficiency Ratings for Water Heating Equipment	403.4.3.2.2.2, 504.2.1

IESNA

Illuminating Engineering Society of North America
 120 Wall Street, 17th Floor
 New York, NY 10005-4001

Standard reference number	Title	Referenced in code section number
90.1—2007	Energy Standard for Buildings Except Low-rise Residential Buildings	505.7, Appendix B B-2.2

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ISO

International Standards Organization
1, rue de Varembe, Case postale 56,
CH-1211 Geneve 20, Switzerland

Standard reference number	Title	Referenced in code section number
ISO 13256-1 (1998)	Part 1: Thermal Performance of glazed liquid heating collectors including pressure drop, December 1, 1994	
	Part 2: Qualification test procedures", August 15, 1995.	
	Part 3: Thermal performance of unglazed liquid heating collectors (sensible heat transfer only) including pressure drop", December 15, 1995.	403.4.3.2.3
	Water-Source Heat Pumps—Testing and Rating for Performance— Part 1 Water-to-Air and Brine-to-Air Heat Pumps.	Table 503.2.3(2)

NAIMA

North American Insulation Manufacturers Association
44 Canal Center Plaza, Suite 310,
Alexandria, VA 22314

Standard reference number	Title	Referenced in code section number
NAIMA 2002	Fibrous Glass Duct Construction Standards, Fifth Edition.	Table 503.2.7.2

NEBB

National Environmental Balancing Bureau
8575 Grovemont Circle
Gaithersburg, MD 20877-4121

Standard reference number	Title	Referenced in code section number
NEBB, 2005	Procedural Standards For Testing Adjusting Balancing of Environmental Systems, Seventh Edition	503.2.9.1

NEMA

National Electrical Manufacturers Association
1300 N 17th Street, Suite 1847
Rosslyn, VA 22209

Standard reference number	Title	Referenced in code section number
NEMA MG 1—2004	Motors and Generators.	Table 505.7.5

NFPA

National Fire Prevention Assoc.
Batterymarch Park
Quincy, MA 02269

Standard reference number	Title	Referenced in code section number
NFPA 96—2004	Ventilation Control and Fire Protection of Commercial Cooking Operations.. . . .	503.2.5.2.2.1

NFRC

National Fenestration Rating Council, Inc.
6305 Ivy Lane, Suite 140
Greenbelt, MD 20770

Standard reference number	Title	Referenced in code section number
100—10	Procedure for Determining Fenestration Product U-factors—Second Edition	303.1.3
200—10	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence—Second Edition	303.1.3
400—10	Procedure for Determining Fenestration Product Air Leakage—Second Edition.	402.4.4, 502.3.1

SMACNA

Sheet Metal and Air Conditioning Contractors National Association, Inc.
4021 Lafayette Center Drive
Chantilly, VA 20151-1209

Standard reference number	Title	Referenced in code section number
SMACNA—85	HVAC Air Duct Leakage Test Manual	Table 503.2.7.2

SPRI

Single Ply Roofing Industry
411 Waverley Oaks Road, Ste 331
Waltham, MA 02452

Standard reference number	Title	Referenced in code section number
ANSI/SPRI VF—1 2010	External Fire Design Standard for Vegetative Roofs . . . . .	.506.3.3.1

SRCC

Solar Rating and Certification Corporation
c/o Florida Solar Energy Center
1679 Clearlake Road
Cocoa, FL 32922-5703

Standard reference number	Title	Referenced in code section number
FSEC	Directory of Certified Solar Systems . . . . .	.403.4.3.2.3
SRCC TM-1	Solar Domestic Hot Water System and Component Test Protocol, December 6, 2002. . . . .	.403.4.3.2.3

UL

Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard reference number	Title	Referenced in code section number
181—05	Standard for Factory-Made Air Ducts and Air Connectors with revisions through December 1998.	Table 503.2.7.2
181A—05	Closure Systems for Use With Rigid Air Ducts and Air Connectors, with revisions through December 1998. . . . .	.503.2.7.3.7, Table 503.2.7.2
181B—05	Closure Systems for Use With Flexible Air Ducts and Air Connectors with revisions through May 2000. . . . .	.503.2.7.3.7, Table 503.2.7.2
723—03	Standard for Test for Surface Burning Characteristics of Building Materials. . . . .	.503.2.7.3.7
727—06	Oil-fired Central Furnaces	Table 503.2.3(4)
731—95	Oil-fired Unit Heaters—with Revisions through February 2006	Table 503.2.3(4)

US—FTC

United States - Federal Trade Commission
600 Pennsylvania Avenue NW
Washington, DC 20580

Standard reference number	Title	Referenced in code section number
CFR Title 16, Part 460	R-value Rule . . . . .	.202, 303.1.4, 304.1.2, 304.1.2.1

WDMA

Window and Door Manufacturers Association
401 N. Michigan Ave.
Chicago, IL 60611

Standard reference number	Title	Referenced in code section number
AAMA/WDMA/CSA 101/LS.2/A440—08	Specifications for Windows, Doors and Unit Skylights. . . . .	.402.4.4, 502.3.1

