

**WAC 51-11C-600000 Chapter 6 [CE]—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 C106.

<b>AAMA</b>	American Architectural Manufacturers Association 1827 Walden Office Square Suite 550 Schaumburg, IL 60173-4268		
Standard reference number	Title		Referenced in code section number
AAMA/WDMA/CSA 101/I.S.2/A C440—11	North American Fenestration Standard/ Specifications for Windows, Doors and Unit Skylights	.....	Table C402.4.2
<b>AHAM</b>	Association of Home Appliance Manufacturers 1111 19th Street, N.W., Suite 402 Washington, D.C. 20036		
Standard reference number	Title		Referenced in code section number
ANSI/AHAM RAC-1—2008	Room Air Conditioners	.....	Table C403.2.3(3)
AHAM HRF-1-2007	Energy, Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers	.....	Table C410.1(1)
<b>AHRI</b>	Air Conditioning, Heating, and Refrigeration Institute 4100 North Fairfax Drive, Suite 200 Arlington, VA 22203		
Standard reference number	Title		Referenced in code section number
ISO/AHRI/ASHRAE 13256-1 (2011)	Water-source Heat Pumps - Testing and Rating for Performance - Part 1: Water-to-air and Brine-to-air Heat Pumps	.....	Table C403.2.3(2)
ISO/AHRI/ASHRAE 13256-2 (2011)	Water-source Heat Pumps - Testing and Rating for Performance - Part 2: Water-to-water and Brine-to-water Heat Pumps	.....	Table C403.2.3(2)
210/240—08 with Addenda 1 and 2	Unitary Air Conditioning and Air-source Heat Pump Equipment	.....	Table C403.2.3(1), Table C403.2.3(2)
310/380—04	Standard for Packaged Terminal Air Conditioners and Heat Pumps	.....	Table C403.2.3(3)
340/360—2007 with Addendum 2	Commercial and Industrial Unitary Air-conditioning and Heat Pump Equipment	.....	Table C403.2.3(1), Table C403.2.3(2)
365—09	Commercial and Industrial Unitary Air-conditioning Condensing Units	.....	Table C403.2.3(1), Table C403.2.3(6)
390—03	Performance Rating of Single Package Vertical Air Conditioners and Heat Pumps	.....	Table C403.2.3(3)
400—01	Liquid to Liquid Heat Exchangers with Addendum 2	.....	Table C403.2.3(9)
440—08	Room Fan Coil	.....	C403.2.8

460—05	Performance Rating Remote Mechanical Draft Air-cooled Refrigerant Condensers	.....	Table C403.2.3(8)
550/590—2011 with Addendum 1	Water Chilling Packages Using the Vapor Compression Cycle—with Addenda	.....	C403.2.3.1, Table C403.2.3(7), Table C406.2(6)
560—00	Absorption Water Chilling and Water-heating Packages	.....	Table C403.2.3(7)
1160—08	Performance Rating of Heat Pump Pool Heaters	.....	Table C404.2
1200-2010	Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets	.....	C410.1, Table C410.1(1), Table C410.1(2)
<b>AMCA</b>	Air Movement and Control Association International 30 West University Drive Arlington Heights, IL 60004-1806		
Standard reference number	Title		Referenced in code section number
205-12	Energy Efficiency Classification for Fans	.....	C403.2.11.3
220-8 (2012)	Laboratory Methods for Testing Air Curtain Units for Aerodynamic Performance Rating	.....	C402.5.7
500D—12	Laboratory Methods for Testing Dampers for Rating	.....	C402.4.5.1, C402.4.5.2
<b>ANSI</b>	American National Standards Institute 25 West 43rd Street Fourth Floor New York, NY 10036		
Standard reference number	Title		Referenced in code section number
ANSI/ASME A17.1-2010	Safety code for elevators and escalators	.....	C405.12.1
Z21.10.3/CSA 4.3—11	Gas Water Heaters, Volume III—Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating Tank and Instantaneous	.....	Table C404.2
Z21.47/CSA 2.3—12	Gas-fired Central Furnaces	.....	Table C403.2.3(4)
Z83.8/CSA 2.6—09	Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters and Gas-fired Duct Furnaces	.....	Table C403.2.3(4)
<b>APSP</b>	The Association of Pool and Spa Professionals 2111 Eisenhower Avenue Alexandria, VA 22314		
Standard reference number	Title		Referenced in code section number
14-11	American National Standards for Portable Electric Spa Efficiency	.....	C404.12
<b>ASHRAE</b>	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, N.E. Atlanta, GA 30329-2305		
Standard reference number	Title		Referenced in code section number
ANSI/ASHRAE/ACCA			

Standard 127-2007	Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners	.....	Table C403.2.3(9)
Standard 183—2007	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	.....	C403.2.1
ASHRAE—2012	ASHRAE HVAC Systems and Equipment Handbook—2012	.....	C403.2.1
ISO/AHRI/ASHRAE 13256-1 (2011)	Water-source Heat Pumps—Testing and Rating for Performance— Part 1: Water-to-air and Brine-to-air Heat Pumps	.....	Table C403.2.3(2)
ISO/AHRI/ASHRAE 13256-2 (2011)	Water-source Heat Pumps—Testing and Rating for Performance—Part 2: Water-to-water and Brine-to-water Heat Pumps	.....	Table C403.2.3(2)
90.1—2013	Energy Standard for Buildings Except Low-rise Residential Buildings (ANSI/ASHRAE/IESNA 90.1—2010)	.....	Table C402.1.3, Table C402.1.4, C406.2 Table C407.6.1
140—2011	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	.....	C407.6.1
146—2011	Testing and Rating Pool Heaters	.....	Table C404.2
<b>ASME</b>	American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990		
Standard reference number	Title		Referenced in code section number
ASME A17.1/CSA B44-2013	Safety Code for Elevators and Escalators	.....	C405.9.2
<b>ASTM</b>	ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2859		
Standard reference number	Title		Referenced in code section number
C 90—13	Specification for Load-bearing Concrete Masonry Units	.....	Table C402.1.3
C1363-11	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	.....	C303.1.4.1, Table C402.1.4
C 1371—04a(2010)e1	Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emisometers	.....	Table C402.4
C 1549—09	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using A Portable Solar Reflectometer	.....	Table C402.4
D 1003—11e1	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	.....	C402.4.2.2
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	.....	C402.5.1.2.2

E 408—71 (2008)	Test Methods for Total Normal Emittance of Surfaces Using Inspection-meter Techniques	.....	Table C402.4
E 779—10	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	.....	C402.5.1.2.3
E 903—96	Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)	.....	Table C402.4
E 1677—11	Standard Specification for an Air-retarder (AR) Material or System for Low-rise Framed Building Walls	.....	C402.5.1.2.2
E 1918—06	Standard Test Method for Measuring Solar Reflectance of Horizontal or Low-sloped Surfaces in the Field	.....	Table C402.4
E 1980—11	Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces	.....	Table C402.2.1.1
E 2178—13	Standard Test Method for Air Permanence of Building Materials	.....	C402.4
E 2357—11	Standard Test Method for Determining Air Leakage of Air Barrier Assemblies	.....	C402.5.1.2.2
<b>CSA</b>	Canadian Standards Association 5060 Spectrum Way Mississauga, Ontario, Canada L4W 5N6		
Standard reference number	Title		Referenced in code section number
AAMA/WDMA/CSA 101/I.S.2/A440—11	North American Fenestration Standard/ Specification for Windows, Doors and Unit Skylights	.....	Table C402.4.2
<b>CTI</b>	Cooling Technology Institute 2611 FM 1960 West, Suite A-101 Houston, TX 77068		
Standard reference number	Title		Referenced in code section number
ATC 105 (00)	Acceptance Test Code for Water Cooling Tower	.....	Table C403.2.3(8)
ATC 105S—11	Acceptance Test Code for Closed Circuit Cooling Towers	.....	Table C403.2.3(8)
ATC 106—11	Acceptance Test Code for Mechanical Draft Evaporative Vapor Condensers	.....	Table C403.2.3(8)
STD 201—11	Standard for Certification of Water Cooling Towers Thermal Performances	.....	Table C403.2.3(8)
<b>DASMA</b>	Door and Access Systems Manufacturers Association 1300 Sumner Avenue Cleveland, OH 44115-2851		
Standard reference number	Title		Referenced in code section number
105—92 (R2004)—13	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors	.....	Table C402.4.2
<b>DOE</b>	U.S. Department of Energy c/o Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402-9325		
Standard reference number	Title		Referenced in code section number

10 C.F.R., Part 430—1998	Energy Conservation Program for Consumer Products: Test Procedures and Certification and Enforcement Requirement for Plumbing Products; and Certification and Enforcement Requirements for Residential Appliances; Final Rule	.....	Table C403.2.3(4), Table C403.2.3(5), Table C404.2
10 C.F.R., Part 430, Subpart B, Appendix N—1998	Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers	.....	C202
10 C.F.R., Part 431—2004	Energy Efficiency Program for Certain Commercial and Industrial Equipment: Test Procedures and Efficiency Standards; Final Rules	.....	Table C403.2.3(5), Table C406.2(5)
NAECA 87—(88)	National Appliance Energy Conservation Act 1987 [(Public Law 100-12 (with Amendments of 1988-P.L. 100-357)]	.....	Tables C403.2.3 (1), (2), (4)
<b>IAPMO</b>	International Association of Plumbing and Mechanical Officials 4755 E. Philadelphia Street Ontario, CA 91761		
Standard reference number	Title		Referenced in code section number
UPC—2015	Uniform Plumbing Code	.....	C201.3, C501.4
<b>ICC</b>	International Code Council, Inc. 500 New Jersey Avenue, N.W., 6th Floor Washington, D.C. 20001		
Standard reference number	Title		Referenced in code section number
IBC—15	International Building Code	.....	C201.3, C303.2, C402.4.3
IFC—15	International Fire Code	.....	C201.3, C501.4
IFGC—15	International Fuel Gas Code	.....	C201.3, C501.4
IMC—15	International Mechanical Code	.....	C106.3, C201.3, C402.5.3, C403.2.4.3, C403.2.6, C403.2.6.2, C403.2.6.4, C403.2.6.4.1, C403.2.8.2, C403.2.8.3, C403.2.8.3.1, C403.2.8.3.2, C403.2.11.4, C403.2.11.5, C403.4.4, C403.4.4.3, C403.5.1, C408.2.2.1, C501.4
<b>IEEE</b>	The Institute of Electrical and Electronic Engineers, Inc. 3 Park Avenue New York, NY 10016		
Standard reference number	Title		Referenced in code section number
IEEE 515.1—2012	IEEE Standard for the Testing, Design, Installation and Maintenance of Electrical Resistance Trace Heating for Commercial Applications	.....	C404.6.2
<b>IESNA</b>	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
ANSI/ASHRAE/IESNA 90.1—2013	Energy Standard for Buildings Except Low-rise Residential Buildings .....	Table C402.1.3, Table C402.1.4, Table C407.5.1
<b>ISO</b>	International Organization for Standardization 1, rue de Varembe, Case postale 56, CH-1211 Geneva, Switzerland	
Standard reference number	Title	Referenced in code section number
ISO/AHRI/ASHRAE 13256-1 (2011)	Water-source Heat Pumps—Testing and Rating for Performance—Part 1: Water-to-air and Brine-to-air Heat Pumps .....	C403.2.3(2)
ISO/AHRI/ASHRAE 13256-2 (2011)	Water-Source Heat Pumps—Testing and Rating for Performance—Part 2: Water-to-water and Brine-to-water Heat Pumps .....	C403.2.3(2)
<b>NEMA</b>	National Electric Manufacturers Association 1300 North 17th Street Suite 1752 Rosslyn, VA 22209	
Standard reference number	Title	Referenced in code section number
TP-1-2002	Guide for Determining Energy Efficiency for Distribution Transformers .....	C405.9
MGI—1993	Motors and Generators .....	C202
<b>NFRC</b>	National Fenestration Rating Council, Inc. 6305 Ivy Lane, Suite 140 Greenbelt, MD 20770	
Standard reference number	Title	Referenced in code section number
100—2009	Procedure for Determining Fenestration Product U-factors .....	C303.1.2, C402.2.2
200—2009	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence .....	C303.1.3, C402.4.1.1
400—2009	Procedure for Determining Fenestration Product Air Leakage .....	Table C402.4.2
<b>SMACNA</b>	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—2012	HVAC Air Duct Leakage Test Manual .....	C403.2.8.1.3
<b>UL</b>	Underwriters Laboratories 333 Pfingsten Road Northbrook, IL 60062-2096	
Standard reference number	Title	Referenced in code section number
710—12	Exhaust Hoods for Commercial Cooking Equipment .....	C403.2.8
727—06	Oil-fired Central Furnaces—with Revisions through April 2010 .....	Table C403.2.3(4)

731—95	Oil-fired Unit Heaters—with Revisions through April 2010	.....	Table C403.2.3(4)
<b>US-FTC</b>	United States-Federal Trade Commission 600 Pennsylvania Avenue N.W. Washington, D.C. 20580		
Standard reference number	Title		Referenced in code section number
C.F.R. Title 16 (May 31, 2005)	R-value Rule	.....	C303.1.4
<b>WDMA</b>	Window and Door Manufacturers Association 1400 East Touhy Avenue, Suite 470 Des Plaines, IL 60018		
Standard reference number	Title		Referenced in code section number
AAMA/WDMA/CSA 101/I.S.2/A440—11	North American Fenestration Standard/ Specification for Windows, Doors and Unit Skylights	.....	Table C402.4.2

[Statutory Authority: RCW 19.27A.025, 19.27A.160, and 19.27.074. WSR 16-03-072, § 51-11C-600000, filed 1/19/16, effective 7/1/16.]

**Reviser's note:** The brackets and enclosed material in the text of the above section occurred in the copy filed by the agency.