

CHAPTER 5 [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.

AABC

Associated Air Balance Council,
1518 K Street, Suite 503,
Washington, DC 20005

Standard reference number	Title	Referenced in code section number
AABC—1989	Associated Air Balance Council National Standard	C408.2.2.1

AAMA

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 C402.4.3

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington, VA 22206

Standard reference number	Title	Referenced in code section number
ACCA Manual D—1995	Residential Duct Systems	C403.2.7.5
ACCA Manual N—2005	Commercial Load Calculation	C403.2.1
ANSI/ASHRAE/ ACCA 183—2007	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings	C403.2.1

ADC

Air Diffusion Council
1000 E. Woodfield Rd., Suite 102
Schaumburg, IL 60173-5921

Standard reference number	Title	Referenced in code section number
ADC 2003	Flexible Duct Performance & Installation Standards, Fourth Edition	Table C403.2.7.2

REFERENCED STANDARDS

AHAM

Association of Home Appliance Manufacturers
 1111 19th Street, NW, Suite 402
 Washington, DC 20036

Standard reference number	Title	Referenced in code section number
ANSI/AHAM RAC-1—2008	Room Air Conditioners	Table C403.2.3(3)

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
■ AHRI 1230—2010	Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment With Addendum 1	Table C403.2.3(11)
■ ISO/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 C403.2.3(2)
ISO/AHRI/ASHRAE 13256-2 (1998)	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	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	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—03	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), Table C406.2(6)
■ 840—1998	Unit Ventilators	C403.2.8
1160—08	Performance Rating of Heat Pump Pool Heaters	Table C404.2

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—10	Laboratory Methods for Testing Dampers for Rating	C402.4.5.1, C402.4.5.2

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	C404.8.1
Z21.10.3/CSA 4.3—04	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—06	Gas-fired Central Furnaces	Table C403.2.3(4), Table C406.2.(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), Table C406.2.(4)

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/ACCA Standard 183—2007	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	C403.2.1
ASHRAE—2008	ASHRAE HVAC Systems and Equipment Handbook—2008	C403.2.1
ISO/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 C403.2.3(2)
ANSI/ASHRAE Std. 55—1992	Thermal Environmental Conditions for Human Occupancy	C403.4.8
ISO/AHRI/ASHRAE 13256-2 (1998)	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)
ANSI/ASHRAE/90.1—2010 90.1—2010	Energy Standard for Buildings Except Low-rise Residential Buildings	C304.1.1, C304.3.1.4, C304.3.2.1, C304.3.2.2, C401.2, C401.2.1, C402.1.1, Table C402.1.2, Table C402.2, C405.7.1, Table C407.6.1
119—88 (RA 2004)	Air Leakage Performance for Detached Single-family Residential Buildings	Table C405.5.2(1)
127—07	Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners	Table C403.2.3(10)
140—2010	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	C407.6.1
146—2006	Testing and Rating Pool Heaters	Table C404.2

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—08	Specification for Load-bearing Concrete Masonry Units	C304.1.1, Table C402.2
C 177—04	Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus	C304.2.1
C236—89 (1993e1)	Test Method for Steady State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box	C304.2.1
C 518—04	Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	C304.2.1
C1363—05	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	C304.2.2
C 1371—04	Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers	Table C402.2.1.1

REFERENCED STANDARDS

ASTM—continued

C 1549—04	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using A Portable Solar Reflectometer	Table C402.2.1.1
D 1003—07e1	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	C402.3.2.2
D2412—02(2008)	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel Pipe Loading	Table C403.2.7.2
E 84-09	Test Method for Surface Burning Characteristics of Building Materials	C403.2.7.3.7
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	C402.4.1.2.2, Table C402.4.3, C402.4.8
E 408—71(2002)	Test Methods for Total Normal Emittance of Surfaces Using Inspection-meter Techniques	Table C402.2.1.1
E 779—03	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	C402.4.1.2.3
E 903—96	Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)	Table C402.2.1.1
E 1677—05	Standard Specification for an Air-retarder (AR) Material or System for Low-rise Framed Building Walls	C402.4.1.2.2
E 1918—97	Standard Test Method for Measuring Solar Reflectance of Horizontal or Low-sloped Surfaces in the Field	Table C402.2.1.1
E 1980—(2001)	Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces	Table C402.2.1.1
E 2178—03	Standard Test Method for Air Permanence of Building Materials	C402.4.1.2.1
E 2357—05	Standard Test Method for Determining Air Leakage of Air Barriers Assemblies	C402.4.1.2.2

CSA

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 C402.4.3

CTI

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)
STD 201—09	Standard for Certification of Water Cooling Towers Thermal Performances	Table C403.2.3(8)

DASMA

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)	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors	Table C402.4.3

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—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, Table C406.2(4), Table C406.2(5)
10 CFR, Part 430, Subpart B, Appendix N—1998	Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers	C202
10 CFR, 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)

Florida Codes

Building Codes and Standards Office
 Florida Department of Business and Professional Regulation
 1940 N Monroe Street, Suite 90A
 Tallahassee, FL 32399-0772

Standard reference number	Title	Referenced in code section number
FBC-B—Fifth Edition (2014)	Florida Building Code, Building	C201.3, C202, C303.2, C402.4.4
FBC-M—Fifth Edition (2014)	Florida Building Code, Mechanical	C201.3, C403.2.5, C403.2.5.1, C403.2.6, C403.2.7.2, Table C403.2.7.2, C403.4.5
FBC-FG—Fifth Edition (2014)	Florida Building Code, Fuel Gas	C201.3
FBC-P—Fifth Edition (2014)	Florida Building Code, Plumbing	C201.3
FBC-R—Fifth Edition (2014)	Florida Building Code, Residential	C201.3, C202
FFPC—Fifth Edition (2014)	Florida Fire Prevention Code	C201.3
FS—2013	Florida Statutes	C103.1.1.1.2, C103.1.1.2

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
ANSI/ASHRAE/IESNA 90.1—2010	Energy Standard for Buildings, Except Low-rise Residential Buildings	C401.2, C401.2.1, C402.1.1, Table C402.1.2, Table C402.2

REFERENCED STANDARDS

ISO

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 (2005)	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 (1998)	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)

NAIMA

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

Standard referenced number	Title	Reference in code section number
NAIMA—2002	Fibrous Glass Duct Construction Standards, Fifth Edition.	Table C403.2.7.2

NEBB

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

Standard referenced number	Title	Reference in code section number
NEBB—2005	Procedural Standards For Testing Adjusting Balancing of Environmental Systems, Seventh Edition.	C408.2.2.1

NFRC

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

Standard reference number	Title	Referenced in code section number
100—2010	Procedure for Determining Fenestration Products <i>U</i> -factors	C303.1.3, C402.2.1
200—2010	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence.	C303.1.3, C402.3.1.1
400—2010	Procedure for Determining Fenestration Product Air Leakage	Table C402.4.3

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 C403.2.7.2, C403.2.7.3.7

SPRI

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

Standard referenced number	Title	Reference in code section number
ANSI/SPRI VF-1 2010	External Fire Design Standard for Vegetative Roofs.	C407.5.2.4.1

UL

Underwriters Laboratories
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 C403.2.7.2
181A—05	Closure Systems for Use With Rigid Air Ducts and Air Connectors, with revisions through December 1998.	C403.2.7.3.7, Table C403.2.7.2
181B—05	Closure Systems for Use With Flexible Air Ducts and Air Connectors with revisions through May 2000.	C403.2.7.3.7, Table C403.2.7.2
723—03	Standard for Test for Surface Burning Characteristics of Building Materials.	C403.2.7.3.7
727—06	Oil-fired Central Furnaces—with Revisions through April 2010	Table C403.2.3(4), Table C406.2(4)
731—95	Oil-fired Unit Heaters—with Revisions through April 2010.	Table C403.2.3(4), Table C406.2(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 (May 31, 2005)	R-value Rule	C303.1.4

WDMA

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 C402.4.3