

CHAPTER C6

NYC

REFERENCED STANDARDS

This chapter lists the standards that are referenced in various sections of the commercial provisions of this code. 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 ECC 105. Refer to the rules of the department for any subsequent additions, modifications or deletions that may have been made to the referenced standards set forth herein in accordance with Section 28-103.19 of the Administrative Code.

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AAMA

American Architectural Manufacturers Association
1827 Walden Office Square
Suite 550
Schaumburg, IL 60173-4268

AAMA/WDMA/CSA 101/IS.2/A C440—17: North American Fenestration Standard/Specifications for Windows, Doors and Unit Skylights

Table C402.5.2

ACCA

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

ANSI/ASHRAE/ACCA Standard 183—2007 (RA2014): Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings

C403.1.1

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AHAM

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

AHAM HRF-1—2016: Energy, Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers

Table C403.10.1(1)

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AHRI

Air-Conditioning, Heating, & Refrigeration Institute
2111 Wilson Blvd, Suite 500
Arlington, VA 22201

ISO/AHRI/ASHRAE 13256-1 (1998 RA2014): Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for Performance

Table C403.3.2(2)

ISO/AHRI/ASHRAE 13256-2 (1998 RA2014): Water-to-Water and Brine-to-Water Heat Pumps —Testing and Rating for Performance

Table C403.3.2(2)

210/240—2016: Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment

Table C403.3.2(1), Table C403.3.2(2)

310/380—2014 (CSA-C744-04): Standard for Packaged Terminal Air Conditioners and Heat Pumps

Table C403.3.2(3)

340/360—2015: Performance Rating of Commercial and Industrial Unitary Air-conditioning and Heat Pump Equipment

Table C403.3.2(1), Table C403.3.2(2)

365 (I-P)—2009: Commercial and Industrial Unitary Air-conditioning Condensing Units

Table C403.3.2(1)

390 (I-P)—2015: Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps

Table C403.3.2(3)

400 (I-P)—2015: Performance Rating of Liquid to Liquid Heat Exchangers

Table C403.3.2(9)

440—2008: Performance Rating of Room Fan Coils—with Addendum 1

C403.11.3

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REFERENCED STANDARDS

AHRI—continued

	460—2005: Performance Rating of Remote Mechanical-draft Air-cooled Refrigerant Condensers
NYC	Table C403.3.2(7)
	550/590 (I-P)—2015: Performance Rating of Water-chilling and Heat Pump Water-heating Packages Using the Vapor Compression Cycle
NYC	C403.3.2.1, Table C403.3.2(6)
	560—00: Absorption Water Chilling and Water Heating Packages
NYC	Table C403.3.2(6)
NYC	
NYC	840—15: Performance Rating of Unit Ventilators
NYC	C403.11.3
NYC	
NYC	910—2014: Performance Rating of Indoor Pool Dehumidifiers
NYC	Table C403.3.2(12)
NYC	
NYC	920—2015: Performance Rating of DX-Dedicated Outdoor Air System Units
NYC	C202, Table C403.3.2(13), Table C403.3.2(14)
	1160 (I-P) —2014: Performance Rating of Heat Pump Pool Heaters
	Table C404.2
	1200 (I-P)—2013: Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets
	C403.10, Table C403.10.1(1), Table C403.10.1(2)
NYC	ANSI/AHRI 1230—10 with Addendum 1: Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment
NYC	Table C403.3.2(10), Table C403.3.2(11)
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AMCA

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

	205—12: Energy Efficiency Classification for Fans
	C403.8.3
⇒	500D—12: Laboratory Methods for Testing Dampers for Rating
	C403.7.7

ANSI

American National Standards Institute
25 West 43rd Street, 4th Floor
New York, NY 10036

NYC	ANSI/ASHRAE/ACCA Standard 183—2007 (RA2014): Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings
NYC	C403.1.1
NYC	
NYC	ANSI/AHRI 1230—10 with Addendum 1: Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment
NYC	Table C403.3.2(10), Table C403.3.2(11)
NYC	
NYC	ANSI/ASHRAE/IESNA 90.1—2016: Energy Standard for Buildings Except Low-rise Residential Buildings
NYC	CH 1 (Intro Statement), 101.1.1, C202
NYC	
NYC	ANSI/ASHRAE/IES 90.1—2016 (AS AMENDED) with revisions as set forth in Appendix CA of this code
NYC	101.1.1, 101.5.1.1, 105.1, C202, C401.2, Table C402.1.3, Table C402.1.4, C402.6.1, Table C403.3.2(1), Table C403.3.2(2), C407.1, C501.7, C502.1, C503.1, C504.1
NYC	
NYC	ANSI/CRRC-S100—2016: Standard Test Methods for Determining Radiative Properties of Materials
NYC	Table C402.3, C402.3.1
NYC	
NYC	ANSI/DASMA 105—2016: Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors
NYC	C303.1.3, Table C402.5.2

ANSI—continued

- 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 C403.3.2(4)
- Z83.8/CSA 2.6—09: Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters and Gas-fired Duct Furnaces**
Table C403.3.2(4)

APSP

The Association of Pool & Spa Professionals
2111 Eisenhower Avenue, Suite 580
Alexandria, VA 22314

- 14—2014: American National Standard for Portable Electric Spa Energy Efficiency**
C404.10

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ASHRAE

ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

- ANSI/ASHRAE/IESNA 90.1—2016: Standard for Buildings Except Low-rise Residential Buildings**
CH 1 (Intro Statement), 101.1.1, C202
- ANSI/ASHRAE /IES 90.1—2016 (AS AMENDED) with revisions as set forth in Appendix CA of this code**
101.1.1, 101.5.1.1, 105.1, C202, C401.2, Table C402.1.3, Table C402.1.4, C402.6.1, Table C403.3.2(1), Table C403.3.2(2), C407.1, C501.7, C502.1, C503.1, C504.1
- ASHRAE 111—2008: Testing, Adjusting, and Balancing of Building HVAC Systems**
C408.2.2
- ASHRAE 127—2007: Method of Testing for Rating Computer**
Table C403.3.2(8)
- ASHRAE Standard 170—2013:**
C403.7.4
- ANSI/ASHRAE/ACCA Standard 183—2007 (RA2014): Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings**
C403.1.1
- ASHRAE—2016: ASHRAE HVAC Systems and Equipment Handbook**
C403.1.1
- ISO/AHRI/ASHRAE 13256-1 (1998 RA2014): Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for Performance**
Table C403.3.2(2)
- ISO/AHRI/ASHRAE 13256-2 (1998 RA2014): Water-to-Water and Brine-to-Water Heat Pumps—Testing and Rating for Performance**
Table C403.3.2(2)
- ASHRAE 62.1—2013:**
C403.7.4
- 146—2011: Testing and Rating Pool Heaters**
Table C404.2

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ASME

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

- ASME A17.1—2016/CSA B44—16: Safety Code for Elevators and Escalators**
C405.8.2

REFERENCED STANDARDS

ASTM

ASTM International
 100 Barr Harbor Drive, P.O. Box C700
 West Conshohocken, PA 19428-2959

- ⇒ C1363—11: Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
- NYC C303.1.4.1, Table C402.1.4, Table C402.1.4.2, C402.2.7
- C1371—15: Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers
- Table C402.3
- C1549—09(2014): Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer
- Table C402.3
- D1003—13: Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
- C402.4.2.2
- E283—04(2012): Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
- NYC C402.5.1.2.2, Table C402.5.2, C402.5.8
- E408—13: Test Methods for Total Normal Emittance of Surfaces Using Inspection-meter Techniques
- Table C402.3
- E779—10: Standard Test Method for Determining Air Leakage Rate by Fan Pressurization
- NYC C402.5, C402.5.1.3, C406.8
- E903—12: Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)
- Table C402.3
- E1677—11: Specification for Air Barrier (AB) Material or Systems for Low-rise Framed Building Walls
- C402.5.1.2.2
- E1827—11: Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door
- NYC C406.8
- E1918—06(2015): Standard Test Method for Measuring Solar Reflectance of Horizontal or Low-sloped Surfaces in the Field
- Table C402.3
- E1980—11: Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces
- Table C402.3
- E2178—13: Standard Test Method for Air Permanence of Building Materials
- C402.5.1.2.1
- E2357—11: Standard Test Method for Determining Air Leakage of Air Barriers Assemblies
- C402.5.1.2.2
- NYC F1361—17: Standard Test Method for Performance of Open Deep Fat Fryers
- NYC Table C405.10(1)
- NYC F1484—18: Standard Test Methods for Performance of Steam Cookers
- NYC Table C405.10(3)
- NYC F1495—05: Standard Specification for Combination Oven Electric or Gas Fired
- NYC Table C405.10(5)
- NYC F1496—13: Standard Test Method for Performance of Convection Ovens
- NYC Table C405.10(5)
- NYC F1696—18: Standard Test Method for Energy Performance of Stationary-Rack, Door-Type Commercial Dishwashing Machines
- NYC Table C405.10(4)
- NYC F1920—15: Standard Test Method for Performance of Rack Conveyor Commercial Dishwashing Machines
- NYC Table C405.10(4)
- NYC F2093—18: Standard Test Method for Performance of Rack
- NYC Table C405.10(5)
- NYC F2140—11: Standard Test Method for Performance of Hot Food Holding Cabinets
- NYC Table C405.10(2)

ASTM—continued

F2144—17: Standard Test Method for Performance of Large Open Vat Fryers	NYC
Table C405.10(1)	NYC
F2861—17: Standard Test Method for Enhanced Performance of Combination Oven in Various Modes	NYC
Table C405.10(5)	NYC

BC HYDRO

BC Hydro Power Smart
333 Dunsmuir Street
Vancouver, BC
V6B 5R

Building Envelope Thermal Bridging Guide Version 1.2—18:	NYC
Table C402.6	NYC

CRRC

Cool Roof Rating Council
449 15th Street, Suite 400
Oakland, CA 94612

ANSI/CRRC-S100—2016: Standard Test Methods for Determining Radiative Properties of Materials	NYC
Table C402.3, C402.3.1	NYC

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

AAMA/WDMA/CSA 101/IS.2/A440—17: North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights	NYC
Table C402.5.2	NYC
ASME A17.1—2016/CSA B44—16: Safety Code for Elevators and Escalators	NYC
C405.8.2	NYC
CSA B55.1—2015: Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units	NYC
C404.8	NYC
CSA B55.2—2015: Drain Water Heat Recovery Units	NYC
C404.8	NYC
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	NYC
Table C404.2	NYC
Z21.47/CSA 2.3—12: Gas-fired Central Furnaces	NYC
Table C403.3.2(4)	NYC
Z83.8/CSA 2.6—09: Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters and Gas-fired Duct Furnaces	NYC
Table C403.3.2(4)	NYC

CTI

Cooling Technology Institute
P. O. Box 681807
Houston, TX 77268

ATC 105 (00): Acceptance Test Code for Water Cooling Tower	NYC
Table C403.3.2(7)	NYC
ATC 105S—11: Acceptance Test Code for Closed Circuit Cooling Towers	NYC
Table C403.3.2(7)	NYC
ATC 106—11: Acceptance Test for Mechanical Draft Evaporative Vapor Condensers	NYC
Table C403.3.2(7)	NYC
STD 201—11: Standard for Certification of Water Cooling Towers Thermal Performances	NYC
Table C403.3.2(7)	NYC

REFERENCED STANDARDS

CTI—continued

CTI STD 201 RS(15): Performance Rating of Evaporative Heat Rejection Equipment

Table C403.3.2(7)

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DASMA

Door & Access Systems Manufacturers Association, International
1300 Sumner Avenue
Cleveland, OH 44115-2851

105—2016: Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors

C303.1.3, Table C402.5.2

DOE

U.S. Department of Energy
c/o Superintendent of Documents
1000 Independence Avenue SW
Washington, DC 20585

10 CFR, Part 430—2015: 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 C403.3.2(1), Table C403.3.2(2), Table C403.3.2(4), Table C403.3.2(5), Table C404.2

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10 CFR, Part 430, Subpart B, Appendix F—(2015): Uniform Test Method for Measuring the Energy Consumption of Room Air Conditioners

Table C403.3.2(3)

10 CFR, Part 430, Subpart B, Appendix N—(2015): Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers

C202

10 CFR, Part 431—2015: Energy Efficiency Program for Certain Commercial and Industrial Equipment: Test Procedures and Efficiency Standards; Final Rules

Table C403.3.2(5), C405.6, Table C405.6, C405.7

10 CFR 431 Subpart B App B: Uniform Test Method for Measuring Nominal Full Load Efficiency of Electric Motors

C403.8.4, Table C405.7(1), Table C405.7(2), Table C405.7(3), C405.7(4)

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ICC

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

IECC—18: International Energy Conservation Code

CH 1 (Intro Statement), 101.1.1

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IEC

International Electrotechnical Commission
IEC Regional Centre for North America
446 Main Street 16th Floor
Worcester, MA 01608 U.S.A.

IEC EN 60034-30-1—2014: Efficiency classes of line operated AC motors

C405.8.1.1.1

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IEEE

Institute of Electrical and Electronic Engineers
3 Park Avenue, 17th Floor
New York, NY 10016

IEEE 515.1—2012: IEE Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications

C404.6.2

IES

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

- ANSI/ASHRAE/IESNA 90.1—2016: Energy Standard for Buildings, Except Low-rise Residential Buildings**
CH 1 (Intro Statement), 101.1.1, C202 NYC
- ANSI / ASHRAE / IES 90.1—2016 (AS AMENDED) with revisions as set forth in Appendix CA of this code** NYC
101.1.1, 101.5.1.1, 105.1, C202, C401.2, Table C402.1.3, Table C402.1.4, C402.6.1,
Table C403.3.2(1), Table C403.3.2(2), C407.1, C501.7, C502.1, C503.1, C504.1 NYC

ISO

International Organization for Standardization
Chemin de Blandonnet 8, CP 401, 1214 Vernier
Geneva, Switzerland

- ISO/AHRI/ASHRAE 13256-1(1998 RA2014): Water-to-Air and Brine-to-Air Heat Pumps -Testing and Rating for Performance**
Table C403.3.2(2)
- ISO/AHRI/ASHRAE 13256-2(1998 RA2014): Water-to-Water and Brine-to-Water Heat Pumps -Testing and Rating for Performance** NYC
Table C403.3.2(2)

NEMA

National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209

- MG1—2014: Motors and Generators**
C202



NFRC

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

- 100—2017: Procedure for Determining Fenestration Products *U*-factors** NYC
C303.1.3, Table C402.1.4.2, C402.2.1.1, Table C402.4
- 200—2017: Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence** NYC
C303.1.3, Table C402.4, C402.4.1.1
- 400—2017: Procedure for Determining Fenestration Product Air Leakage**
Table C402.5.2

NYC

New York City Department of Buildings
280 Broadway
New York, NY 10007

- 1968 Building Code** NYC
101.2.1 NYC
- NYCAC—14: New York City Administrative Code** NYC
CH 1 (Intro Statement), 101.1, 101.2.1, 101.5.2.2, 101.5.2.3, 102.1, 103.1, 103.2.1, 103.3, 103.4,
104.1, 104.1.1, 104.3, 105.1, C202, C405.5.2 NYC
- NYCBC—14: New York City Building Code** NYC
101.2.1, 101.2.2, 103.2.1, C202, C303.1.1, C402.5.3, C402.5.4, C405.2, C405.2.1.4 NYC
- NYCCC—14: New York City Construction Codes** NYC
101.2.1, 102.1, 103.1, 104.2.3, C201.3, C201.4, C303.2, C402.2.8, C501.4 NYC
- NYCEC—11: New York City Electrical Code** NYC
101.2.1, C201.3, C201.4, C501.4 NYC
- NYCFC—14: New York City Fire Code** NYC
101.2.1, C201.3, C201.4, C501.4 NYC

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NYC—continued

NYC NYCMC—14: New York City Mechanical Code
NYC 101.2.1, C402.5.3, C403.2.2, C403.6.1, C403.6.6, C403.7.1, C403.7.2, C403.7.4, C403.7.7,
NYC C403.8.5.1, C403.11.1, C403.11.2, C403.11.2.1, C403.11.2.2, C406.5, C408.2.2.1

NYC NYS

New York Department of State
One Commerce Plaza, 99 Washington Ave
Albany, NY 12231-0001

NYC BCNYS—20: Building Code of New York State
NYC C202

NYC ECCCNYS—20: Energy Conservation Construction Code of New York State
NYC CH 1 (Intro Statement), 101.1.1, 101.2.3, 101.3

SMACNA

Sheet Metal and Air Conditioning Contractors' National Association, Inc.
4021 Lafayette Center Drive
Chantilly, VA 20151-1219

NYC SMACNA—2012: HVAC Air Duct Leakage Test Manual Second Edition
NYC C403.11.2.3

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062-2096

NYC 127—11: Standard for Factory-Built Fireplaces
NYC C402.2.8

710—12: Exhaust Hoods for Commercial Cooking Equipment—with Revisions through November 2013
C403.7.5

727—06: Oil-fired Central Furnaces—with Revisions through October 2013
Table C403.3.2(4)

731—95: Oil-fired Unit Heaters—with Revisions through October 2013
Table C403.3.2(4)

NYC 1784—01: Air Leakage Tests of Door Assemblies—with Revisions through February 2015
NYC C402.5.4

US-FTC

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

CFR Title 16 (2015): R-value Rule
C303.1.4

WDMA

Window and Door Manufacturers Association
2025 M Street NW, Suite 800
Washington, DC 20036-3309

AAMA/WDMA/CSA 101/LS.2/A440—17: North American Fenestration Standard/Specification for Windows, Doors and Unit Skylights
Table C402.5.2

