

# CHAPTER R6

## REFERENCED STANDARDS

### **ACCA** *Air Conditioning Contractors of America, 1330 Braddock Place, Suite 350, Alexandria, VA 22314*

**\*ANSI/ACCA 1 Manual D—2016: Residential Duct Systems**

R403.3.1

**\*ANSI/ACCA 2 Manual J—2016: Residential Load Calculation**

R403.7

**\*ANSI/ACCA 3 Manual S—2023: Residential Equipment Selection**

R403.7

**ANSI/ACCA 5 QI—2010: HVAC Quality Installation Specification**

R408.2.4

### **AHRI** *Air-Conditioning, Heating, and Refrigeration Institute, 2311 Wilson Blvd, Suite 400, Arlington, VA 22201*

**1380(I-P)—2019: Demand Response through Variable Capacity HVAC Systems in Residential and Small Commercial Applications**

R408.2.8.2

### **AIISI** *American Iron and Steel Institute, 25 Massachusetts Avenue, NW, Suite 800, Washington, DC 20001*

**\*AIISI S250—22: North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing, with Supplement 1, Dated 2022**

R402.2.7

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

**\*ANSI Z21.20—2005 (R2016): Automatic Gas Ignition Systems and Components**

R403.13, R404.1.5

**ANSI/AMCA Standard 210-ANSI/ASHRAE 51—16: Laboratory Methods of Testing Fans for Aerodynamic Performance Rating**

Table R403.6.2

**ANSI/ASHRAE Standard 140—2020: Method of Test for the Evaluation of Building Energy Analysis Computer Programs**

R405.5.2, R406.7.1

**ANSI/CTA 2045-B—February 2021: Modular Communications Interface for Energy Management**

R408.2.8.1

**CSA/ANSI Z21.88—19/CSA 2.33—19: Vented Gas Fireplace Heaters**

R403.13.1

**Z21.50-19/CSA 2.22—2019: Vented Decorative Gas Appliances**

R403.13.1

### **ASHRAE** *ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092*

**\*NYS ASHRAE 90.1—2025: New York State version of the Energy Standard for Buildings Except Low-Rise Residential Buildings**

R402.1.5, R402.2.10.2, R402.2.11.2, R405.2

**ASHRAE 193—2010(RA 2014): Method of Test for Determining the Airtightness of HVAC Equipment**

R403.3.6.1

**\*ASHRAE—2021: 2021 ASHRAE Handbook of Fundamentals**

Table R405.4.2(1)

**\*ASHRAE—2017: 2017 ASHRAE Handbook of Fundamentals**

R402.1.5, R403.3.1, R405.4.2

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

### **C1313/C1313M—13(2019): Standard Specification for Sheet Radiant Barriers for Building Construction Applications**

R303.2.2, R402.3.5

### **\*C1363—19: Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus**

R303.1.4.1

### **C1371—15(2022): Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers**

Table R407.2, R408.2.1.3

### **C1549—16(2022): Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer**

Table R407.2, R408.2.1.3, R408.2.1.3.1

### **\*C1743—19: Standard Practice for Installation and Use of Radiant Barrier Systems (RBS) in Residential Building Construction**

R303.2.2, R402.3

### **E283/E283M—19: Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen**

R402.5.4

### **E408—13(2019): Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques**

Table R407.2, R408.2.1.3

### **\*E779—19: Standard Test Method for Determining Air Leakage Rate by Fan Pressurization**

R402.5.1.2, R402.5.1.3

### **E903—20: Standard Test Method for Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres**

Table R407.2, R408.2.1.3, R408.2.1.3.1

### **E1554/E1554M—13(2018): Standard Test Methods for Determining Air Leakage of Air Distribution Systems by Fan Pressurization**

R403.3.7, R403.3.8, Table R405.4.2(1)

### **\*E1827—22: Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door**

R402.5.1.2

### **E1918—21: Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field**

Table R407.2, R408.2.1.3, R408.2.1.3.1

### **E1980—11(2019): Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces**

Table R407.2, R408.2.1.3

### **E2178—21a: Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permanence of Building Materials**

R303.1.5

### **\*E3158—18: Standard Test Method for Measuring the Air Leakage Rate of a Large or Multizone Building**

R402.5.1.2

### **F1281—2017(2021)e1: Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing**

Table R408.2.3.1

## CRRC *Cool Roof Rating Council, 2435 North Lombard Street, Portland, OR 97217*

### **ANSI/CRRC S100—2021: Standard Test Methods for Determining Radiative Properties of Materials**

Table R407.2, R408.2.1.3, R408.2.1.3.1

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

### **AAMA/WDMA/CSA 101/I.S.2/A440—22: North American Fenestration Standard/Specification for Windows, Doors, and Skylights**

R402.5.3

### **CAN/CSA C439—18: Laboratory Methods of Test for Rating the Performance of Heat/Energy-Recovery Ventilators**

Table R403.6.2

### **CSA B55.1—20: Test Method for Measuring Efficiency and Pressure Loss of Drain Water Heat Recovery Units**

R403.5.3

### **CSA B55.2—20: Drain Water Heat Recovery Units**

R403.5.3

### **CSA P.4.1—21: Testing Method for Measuring Fireplace Efficiency**

R403.13.1

## REFERENCED STANDARDS

**CTA** *Consumer Technology Association, Technology & Standards Department; 1919 S Eads Street, Arlington, VA 22202*

**ANSI/CTA-2045-A—2018: Modular Communications Interface for Energy Management**

R408.2.8.1

**ANSI/CTA-2045-B—2018: Modular Communications Interface for Energy Management**

R408.2.8.1

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

**ANSI/DASMA 105—2020: Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors**

R303.1.3

**DOE** *US Department of Energy, 1000 Independence Avenue SW, Washington, DC 20585*

**10 CFR, Part 430—2021: Energy Conservation Program for Consumer Products: Energy and Water Conservation Standards and Their Compliance Dates**

Table R403.6.2, R404.1, Table R405.4.2(1), Table R408.2.6

**FGIA** *Fenestration & Glazing Industry Alliance (formerly American Architectural Manufacturers Association), 1900 E Golf Road, Suite 250, Schaumburg, IL 60173-4268*

**AAMA/WDMA/CSA 101/I.S.2/A440—22: North American Fenestration Standard/Specification for Windows, Doors, and Skylights**

R402.5.3

**ICC** *International Code Council, Inc., 200 Massachusetts Avenue, NW, Suite 250, Washington, DC 20001*

**ANSI/APSP/ICC 14—2019: American National Standard for Portable Electric Spa Energy Efficiency**

R403.11

**ANSI/PHTA/ICC 15—2021: American National Standard for Residential Swimming Pool and Spa Energy Efficiency**

R403.12

**\*ANSI/RESNET/ICC 301—2022: Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units Using an Energy Rating Index—includes Addendum A, Approved July 28, 2022, and Addendum B, Approved October 12, 2022**

R405.5.3, R406.4, R406.5, R406.7.1, R406.7.6,

**\*ANSI/RESNET/ICC 380—2022: Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems**

R402.5.1.2, R403.3.7, R403.3.8, R403.6.3, Table R405.4.2(1)

**\*BCNYS—25: Building Code of New York State®**

R201.3, R202, R303.1.1, R303.1.2, R303.2, R402.1.1, R402.2.11.1, R404.1.2, R501.2, R501.4, R503.1.1.3

**\*EBCNYS—25: Existing Building Code of New York State®**

R501.2

**\*FCNYS—25: Fire Code of New York State®**

R201.3, R501.2

**\*FGCNYS—25: Fuel Gas Code of New York State®**

R201.3, R501.2

**ICC 400—22: Standard on the Design and Construction of Log Structures**

R402.1, Table R402.5.1.1

**ICC/NSSA 500—2023: ICC/NSSA Standard for the Design and Construction of Storm Shelters**

R402.6

**IECC—06: 2006 International Energy Conservation Code®**

R202

**\*MCNYS—25: Mechanical Code of New York State®**

R201.3, R403.3.5, R403.3.6, R403.6, R501.2

**\*NYS ASHRAE 90.1—2025: New York State version of the Energy Standard for Buildings Except Low-Rise Residential Buildings**

R402.1.5, R402.2.10.2, R402.2.11.2, R405.2

**\*PCNYS—25: Plumbing Code of New York State®**

R201.3, R501.2

**\*PMCNY—25: Property Maintenance Code of New York State®**

R501.2

**\*RCNYS—25: Residential Code of New York State®**

R201.3, R303.1.1, R303.1.2, R303.1.6, R303.2, R402.1.1, Table R402.1.2, Table R402.1.3, R402.1.6, R402.2.10.1, R402.2.11.1, R402.2.11.1, Table R402.5.1.1, R403.3.5, R403.3.6, R403.6, R501.2, R501.4, R503.1.1.3

**IEC** *IEC Regional Centre for North America, 446 Main Street, 16th Floor, Worcester, MA 01608***IEC 62746-10-1—2018: Systems interface between customer energy management system and the power management system – Part 10-1: Open automated demand response**

R408.2.8.1

**IEEE** *Institute of Electrical and Electronics Engineers, Inc., 3 Park Avenue, 17th Floor, New York, NY 10016-5997***515.1—2012: IEEE Standard for the Testing, Design, Installation and Maintenance of Electrical Resistance Trace Heating for Commercial Applications**

R403.5.1.2

**NEMA** *National Electrical Manufacturers Association, 1300 17th Street N #900, Arlington, VA 22209***OS 4—2016: Requirements for Air-Sealed Boxes for Electrical and Communication Applications**

R402.5.5

**NFPA** *National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471***\*70—23: National Electrical Code**

R501.2

**NFRC** *National Fenestration Rating Council, Inc., 6305 Ivy Lane, Suite 140, Greenbelt, MD 20770***100—2023: Procedure for Determining Fenestration Products U-Factors**

R303.1.3

**200—2023: Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence**

R303.1.3

**400—2023: Procedure for Determining Fenestration Product Air Leakage**

R402.5.3

**OpenADR** *OpenADR Alliance, 111 Deerwood Road, Suite 200, San Ramon, CA 94583***OpenADR 2.0a and 2.0b—2019: Profile Specification Distributed Energy Resources**

R408.2.8.1

**PHTA** *Pool & Tub Alliance (formerly the APSP), 1650 King Street, Suite 602, Alexandria, VA 22314***ANSI/APSP/ICC 14—2019: American National Standard for Portable Electric Spa Energy Efficiency**

R403.11

**ANSI/PHTA/ICC 15—2021: American National Standard for Residential Swimming Pool and Spa Energy Efficiency**

R403.12

**RESNET** *Residential Energy Services Network, Inc., P.O. Box 4561, Oceanside, CA 92052-4561***\*ANSI/RESNET/ICC 301—2022: Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index—includes Addendum A, Approved July 28, 2022, and Addendum B, Approved October 12, 2022**

R405.5.3, R406.4, R406.5, R406.7.1, R406.7.6

**\*ANSI/RESNET/ICC 380—2022: Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems**

R402.5.1.2, R403.3.7, R403.3.8, R403.6.3, Table R405.4.2(1)

## REFERENCED STANDARDS

**UL** *UL LLC, 333 Pfingsten Road, Northbrook, IL 60062*

**127—2011: Standard for Factory-Built Fireplaces—with Revisions through February 2020**

R402.5.2

**515—2015: Electrical Resistance Trace Heating for Commercial Applications**

R403.5.1.2

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

**CFR Title 16 (2015): R-Value Rule**

R303.1.4

**WDMA** *Window & Door Manufacturers Association, 2001 K Street NW, 3rd Floor North, Washington, DC 20006*

**AAMA/WDMA/CSA 101/I.S.2/A440—22: North American Fenestration Standard/Specification for windows, doors, and skylights**

R402.5.3