

## CHAPTER 10

# 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 107.

| <b>AAMA</b>               |   | American Architectural Manufacturers Association<br>1827 Walden Office Square<br>Suite 104<br>Schaumburg, IL 60173-4268 |
|---------------------------|---|---|
| Standard reference number | Title   | Referenced in code section number   |
| 101/I.S.2-97              | Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors . . . . . | .802.3.1  |
| 101/I.S.2/NAFS-02         | Voluntary Performance Specifications for Windows, Skylights and Glass Doors . . . . .         | .802.3.1  |

| <b>AMCA</b>               |   | Air Movement and Control Association International<br>30 West University Drive<br>Arlington Heights, IL 60004-1806 |
|---------------------------|---|--|
| Standard reference number | Title   | Referenced in code section number  |
| 500-D-98                  | Laboratory Methods for Testing Dampers for Rating . . . . . | .802.3.4   |

| <b>ANSI</b>               |  | American National Standards Institute<br>25 West 43rd Street – 4th Floor<br>New York, NY 10036 |
|---------------------------|--|--|
| Standard reference number | Title  | Referenced in code section number  |
| Z21.10.3-01               | Gas Water Heaters—Volume III—Storage Water Heaters with Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous - with Addenda Z21.10.3a-2003 and Z21.10.3b-2004. . . . . | Table 804.2  |
| Z21.13-04                 | Gas-Fired Low Pressure Steam and Hot Water Boilers . . . . .   | Table 803.2.2(5)   |
| Z21.47-03                 | Gas-Fired Central Furnaces . . . . .   | Table 803.2.2(4)   |
| Z83.8-02                  | Gas Unit Heaters and Gas-Fired Duct Furnaces—with Addenda Z83.8a-2003 . . . . .  | Table 803.2.2(4)   |

| <b>ARI</b>                |  | Air Conditioning Refrigeration Institute<br>4100 North Fairfax Drive<br>Suite 200<br>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 803.2.2(1), Table 803.2.2(2)   |
| 310/380-93                | Standard for Packaged Terminal Air-Conditioning and Heat Pumps . . . . .             | Table 803.2.2(3)   |
| 340/360-2000              | Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment . . . . . | Table 803.2.2(1), Table 803.2.2(2)   |
| 365-02                    | Commercial and Industrial Unitary Air-Conditioning Condensing Units . . . . .        | Table 803.3.2(1)   |
| 460-00                    | Remote Mechanical-Draft Air-Cooled Refrigerant Condensers . . . . .                  | Table 803.3.2(6)   |

**REFERENCED STANDARDS**

**ARI—Continued**

|            |   |                  |
|------------|---|------------------|
| 550/590-98 | Water Chilling Packages Using the Vapor Compression Cycle w/Addenda . . . . .   | Table 803.3.2(2) |
| 560-00     | Absorption Water Chilling Packages . . . . .  | Table 803.3.2(2) |
| 13256-1-98 | Water-source Heat Pumps—Testing and Rating for Performance—<br>Part 1: Water-to-Air and Brine-to-Air Heat Pumps . . . . . | Table 803.2.2(2) |

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

| Standard<br>reference<br>number | Title  | Referenced<br>in code<br>section number  |
|---------------------------------|--|--|
| 146-98                          | Testing and Rating Pool Heaters . . . . .  | Table 804.2  |
| 13256-1 2004                    | Water-Source Heat Pumps—Testing and Rating for Performance—<br>Part 1: Water-to-Air and Brine-to-Air Heat Pumps—(ANSI/ARI/ASHRAE/ISO 13256-1: 2004 . . . . . | Table 803.2.2(2)   |
| 90.1-2004                       | Energy Standard for Buildings Except Low-Rise Residential Buildings<br>(ANSI/ASHRAE/IESNA 90.1-2004) . . . . .   | 301.2, 801.1, 801.2, 801.2.1, 802.1, 802.2,<br>Table 802.2(1), Table 802.2(3), Table 805.5.3 |
| ASHRAE-2001                     | ASHRAE Handbook of Fundamentals - 2001 . . . . .   | 803.2.1  |
| ASHRAE-2004                     | ASHRAE HVAC Systems and Equipment Handbook - 2004 . . . . .  | 803.2.1  |

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

| Standard<br>reference<br>number | Title                            | Referenced<br>in code<br>section number |
|---------------------------------|----------------------------------|---|
| PTC 4.1 - 1964                  | Steam Generating Units . . . . . | Table 803.2.2(5)                        |

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

| Standard<br>reference<br>number | Title  | Referenced<br>in code<br>section number |
|---------------------------------|--|---|
| C90-01A                         | Specification for Loadbearing Concrete Masonry Units . . . . .   | Table 802.2(1)                          |
| E 96-00e01                      | Standard Test Method for Water Vapor Transmission of Materials . . . . .   | 202, 802.1.2                            |
| E 283-04                        | Test Method for Determining the Rate of Air Leakage Through Exterior Windows,<br>Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen. . . . . | 802.3.2, 802.3.7                        |

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

| Standard<br>reference<br>number | Title  | Referenced<br>in code<br>section number |
|---------------------------------|--|---|
| ATC-105 (2000)                  | Acceptance Test Code . . . . .                                       | Table 803.3.2(6)                        |
| STD-201 (2002)                  | Certification Standard for Commercial Water Cooling Towers . . . . . | Table 803.3.2(6)                        |

**DOE**  
U.S. Department of Energy  
c/o Superintendent of Documents  
U.S. Government Printing Office  
Washington, DC 20402-9325

| Standard<br>reference<br>number                  | Title   | Referenced<br>in code<br>section number |
|--|---|---|
| 10 CFR Part 430, Subpart B,<br>Appendix E (1998) | Uniform Test Method for Measuring the Energy Consumption of Water Heaters . . . . . | Table 804.2                             |

DOE—Continued

10 CFR Part 430, Subpart B,  
Appendix N (1998)

Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers . . . Table 803.2.2(4), Table 803.2.2(5)

**HI**

Hydronics Institute, Division of the  
Gas Appliance Manufacturers Association  
P.O. Box 218  
Berkeley Heights, NJ 07054

| Standard reference number | Title   | Referenced in code section number |
|---------------------------|---|-----------------------------------|
| HBS                       | I=B=R - Testing and Rating Standard for Heating Boilers, 1989 Ed. . . . . | Table 803.2.2(5)                  |

**ICC**

International Code Council, Inc.  
5203 Leesburg Pike, Suite 600  
Falls Church, VA 22041-3401

| Standard reference number | Title                                     | Referenced in code section number   |
|---------------------------|---|---|
| IBC-03                    | International Building Code® . . . . .    | 201.3   |
| ICC EC-03                 | ICC Electrical Code® . . . . .            | 201.3   |
| IFC-03                    | International Fire Code® . . . . .        | 201.3   |
| IFGC-03                   | International Fuel Gas Code® . . . . .    | 201.3   |
| IMC-03                    | International Mechanical Code® . . . . .  | 201.3, 803.2.5, 803.2.5.1, 803.2.6, 803.2.8.1, 803.2.8.1.1, 803.2.8.1.2, 803.3.4, 803.3.8.1, 803.3.10 |
| IPC-03                    | International Plumbing Code® . . . . .    | 201.3   |
| IRC-03                    | International Residential Code® . . . . . | 201.3   |

**IESNA**

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

| Standard reference number | Title   | Referenced in code section number   |
|---------------------------|---|---|
| 90.1-2004                 | Energy Standard for Buildings Except Low-Rise Residential Buildings . . . . . | 301.2, 801.1, 801.2, 801.2.1, 802.1, 802.2, Table 802.2(1), Table 802.2(3), Table 805.5.3 |

**NFRC**

National Fenestration Rating Council, Inc.  
8484 Georgia Avenue, Suite 320  
Silver Spring, MD 20910

| Standard reference number | Title  | Referenced in code section number |
|---------------------------|--|-----------------------------------|
| 100-01                    | Procedure for Determining Fenestration Product <i>U</i> -factors—Second Edition . . . . .  | 102.1.3                           |
| 200-01                    | Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence—Second Edition . . . . . | 102.1.3                           |
| 400-01                    | Procedure for Determining Fenestration Product Air Leakage—Second Edition . . . . .  | 802.3.1                           |

**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 . . . . . | 803.3.6                           |

**REFERENCED STANDARDS**

**UL**

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

| Standard reference number | Title  | Referenced in code section number |
|---------------------------|--|-----------------------------------|
| 181A—98                   | Closure Systems for Use with Rigid Air Ducts and Air Connectors<br>—with Revisions through December 1998 . . . . . | .803.2.8                          |
| 181B—95                   | Closure Systems for Use with Flexible Air Ducts and Air Connectors<br>—with Revisions through May 2000. . . . .    | .803.2.8                          |
| 727—98                    | Oil-fired Central Furnaces —with Revisions through January 1999 . . . . .  | Table 803.2.2(4)                  |
| 731—95                    | Oil-fired Unit Heaters —with Revisions through January 1999 . . . . .  | Table 803.2.2(4)                  |

**WDMA**

Window and Door Manufacturers Association  
1400 East Touchy Avenue, Suite 470  
Des Plaines, IL 60018

| Standard reference number | Title  | Referenced in code section number |
|---------------------------|--|-----------------------------------|
| 101/I.S.2—97              | Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows<br>and Glass Doors . . . . . | .802.3.1                          |
| 101/I.S.2/NAFS—02         | Voluntary Specifications for Windows, Skylights and Glass Doors . . . . .                        | .802.3.1                          |