

knowledge of the mathematical, physical and engineering sciences in such professional or creative work as consultation, investigation, evaluation, planning or design and supervision of construction for the purpose of securing compliance with specifications and design for any such work.

Secretary means the Secretary of Housing and Urban Development, or an official of the Department delegated the authority of the Secretary with respect to title VI of Pub. L. 93–383.

State includes each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Virgin Islands, the Canal Zone, and American Samoa.

Width of a manufactured home means its largest overall width in the traveling mode, including cabinets and other projections which contain interior space. Width does not include bay windows, roof projections, overhangs, or eaves under which there is no interior space.

[40 FR 58752, Dec. 18, 1975, as amended at 42 FR 960, Jan. 4, 1977. Redesignated at 44 FR 20679, Apr. 6, 1979, as amended at 47 FR 28092, June 29, 1982; 58 FR 55002, Oct. 25, 1993; 61 FR 5216, Feb. 9, 1996; 72 FR 27228, May 14, 2007; 86 FR 2516, Jan. 12, 2021]

§ 3280.3 Manufactured home procedural and enforcement regulations, and consumer manual requirements.

(a) A manufacturer must comply with the requirements of this part, part 3282 of this chapter, and 42 U.S.C. 5416.

(b) Consumer manuals must be in accordance with § 3282.207 of this chapter.

[86 FR 2516, Jan. 12, 2021]

§ 3280.4 Incorporation by reference.

(a) The specifications, standards, and codes of the following organizations are incorporated by reference in 24 CFR part 3280 (this Standard) pursuant to 5 U.S.C. 552(a) and 1 CFR part 51 as though set forth in full. The incorporation by reference of these standards has been approved by the Director of the Federal Register. If a later edition is to be enforced, the Department will publish a notification of change in the FEDERAL REGISTER. These incorporated standards are available for purchase

from the organization that developed the standard at the corresponding addresses noted below. Incorporated standards are available for inspection at the Office of Manufactured Housing Program, Manufactured Housing and Construction Standards Division, U.S. Department of Housing and Urban Development, 451 Seventh Street SW, Room B-133, Washington, DC 20410, email mhs@hud.gov. Copies of incorporated standards that are not available from their producer organizations may be obtained from the Office of Manufactured Housing Programs. These standards are also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fedreg.legal@nara.gov or go to www.archives.gov/federal-register/cfr/ibr-locations.html.

(b) Air Conditioning & Refrigeration Institute (ARI), 4100 North Fairfax Drive, Suite 200, Arlington, VA 22203, telephone number 703–524–8800, fax number 703–528–3816, Web site: <http://www.lightindustries.com/ARI/>.

(1) ANSI/ARI Standard 210/240–89, Unitary Air-Conditioning and Air-Source Heat Pump Equipment, IBR approved for §§ 3280.511(b), 3280.703, and 3280.714(a),

(2) [Reserved]

(c) Aluminum Association (AA), 1525 Wilson Blvd., Suite 600, Arlington, VA 22209; telephone number 703–358–2960, fax number 703–358–3921; Web site: <http://www.aluminum.org>.

(1) Aluminum Design Manual, Specifications and Guidelines for Aluminum Structures, Part 1–A, Sixth Edition, October 1994, IBR approved for § 3280.304(b).

(2) Aluminum Design Manual, Specifications and Guidelines for Aluminum Structures, Part 1–B, First Edition, October 1994, IBR approved for § 3280.304(b).

(d) American Architectural Manufacturers Association (AAMA), 1827 Walden Office Square, Suite 550, Schaumburg, IL 60173, telephone number 847–303–5664, fax number 847–303–5774, Web site: <http://www.aamanet.org>.

(1) AAMA 1503.1–88, Voluntary Test Method for Thermal Transmittance

and Condensation Resistance of Windows, Doors, and Glazed Wall Sections, IBR approved for § 3280.508(e).

(2) AAMA 1600/I.S.7-00, Voluntary Specification for Skylights, 2003 IBR approved for § 3280.305(c).

(3) AAMA 1701.2-95, Voluntary Standard Primary Window and Sliding Glass Door for Utilization in Manufactured Housing, IBR approved for §§ 3280.403(e) and 3280.404(b).

(4) AAMA 1702.2-95, Voluntary Standard Swinging Exterior Passage Door for Utilization in Manufactured Housing, IBR approved for § 3280.405(b) and (e).

(5) AAMA Standard 1704-1985, Voluntary Standard Egress Window Systems for Utilization in Manufactured Housing, IBR approved for § 3280.404(b).

(6) AAMA/WDMA/CSA/101/I.S.2/A440-08 North American Fenestration Standard/Specification for Windows, Doors and Skylights, January 2008, IBR approved for § 3280.403(b) and (e).

(7) ANSI/AAMA/NWDA 101/I.S.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors, IBR approved for § 3280.304(b).

(e) American Forest and Paper Association (AFPA), 1111 Nineteenth Street, Suite 800, Washington, DC 20036 (previously named National Forest Products Association (NFPA), telephone number 1-800-878-8878, Web site: <http://www.afandpa.org>).

(1) AFPA, Design Values for Joists and Rafters 1992, IBR approved for § 3280.304(b).

(2) AFPA PS-20-70, Span Tables for Joists and Rafters, 1993, IBR approved for § 3280.304(b).

(3) ANSI/AFPA NDS-2001, National Design Specifications for Wood Construction, 2001 Edition, with Supplement, Design Values for Wood Construction, November 30, 2001, IBR approved for § 3280.304(b).

(4) AFPA, Wood Structural Design Data, 1986 Edition with 1992 Revisions, IBR approved for § 3280.304(b).

(f) American Gas Association (AGA), 400 North Capitol Street NW., Washington, DC 20001, telephone number 202-824-7000, Web site: <http://www.aga.org/Pages/default.aspx>.

(1) AGA No. 3-87, Requirements for Gas Connectors for Connection of Fixed

Appliances for Outdoor Installation, Park Trailers, and Manufactured (Mobile) Homes to the Gas Supply, IBR approved for § 3280.703.

(2) [Reserved]

(g) American Hardboard Association (AHA), 1210 West NW Highway, Palatine, IL 60067, Web site: <http://hardboard.org>.

(1) ANSI/AHA A135.4-1995, Basic Hardboard, IBR approved for § 3280.304(b).

(2) ANSI/AHA A135.5-1995, Prefinished Hardboard Paneling, IBR approved for § 3280.304(b).

(3) ANSI/AHA A135.6-1998, Hardboard Siding, IBR approved for § 3280.304(b).

(h) American Institute of Steel Construction (AISC), One East Wacker Drive, Chicago, IL 60601, telephone number 312-670-2400, fax number 312-670-5403, Web site: <http://www.aisc.org/>.

(1) AISC-S335, 1989, Specification for Structural Steel Buildings—Allowable Stress Design and Plastic Design (except for the following parts of this standard which are not incorporated by reference: 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.4.6, 1.5.1.5, 1.5.5, 1.6, 1.7, 1.8, 1.9, 1.10.4 through 1.10.7, 1.10.9, 1.11, 1.13, 1.14.5, 1.17.7 through 1.17.9, 1.19.1, 1.19.3, 1.20, 1.21, 1.23.7, 1.24, 1.25.1 through 1.25.5, 1.26.4, 2.3, 2.4, 2.8 through 2.10), June 1, 1989, IBR approved for §§ 3280.304(b) and 3280.305(j).

(2) [Reserved]

(i) American Iron and Steel Institute (AISI), 25 Massachusetts Ave., NW., Suite 800, Washington, DC 20001, telephone number 202-452-7100, Web site: <http://www.steel.org>.

(1) AISI, Specification for the Design of Cold-Formed Steel Structural Members, 1996, IBR approved for §§ 3280.304(b) and 3280.305(j).

(2) [Reserved]

(j) American National Standards Institute (ANSI), 25 West 43rd Street, 4th floor, New York, NY 10018, telephone number 212-642-4900, fax number 212-398-0023, Web site: <http://www.ansi.org>.

(1) ANSI A112.14.1-1975, Backflow Valves, IBR approved for § 3280.604(b).

(2) ANSI A112.19.5-1979, Trim for Water Closet, Bowls, Tanks, and Urinals, IBR approved for § 3280.604(b).

(3) ANSI/AITC A190.1-1992, For wood products—Structural Glued Laminated Timber, IBR approved for § 3280.304(b).

§ 3280.4

24 CFR Ch. XX (4–1–23 Edition)

(4) ANSI A208.1–1999, Particleboard, IBR approved for § 3280.304(b).

(5) ANSI A208.2–2002, Medium Density Fiberboard (MDF) For Interior Applications, approved May 13, 2002, IBR approved for § 3280.304(b).

(6) ANSI B16.18–1984, Cast Copper Alloy Solder-Joint Pressure Fittings, IBR approved for § 3280.604(b).

(7) ANSI C72.1–1972, section 4.3.1, Household Automatic Electric Storage Type Water Heaters, IBR approved for § 3280.707(d).

(8) ANSI/IAS LC 1–1997, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST), approved October 28, 1996, IBR approved for § 3280.705(b).

(9) ANSI Z21.1–2000, Household Cooking Gas Appliances, IBR approved for § 3280.703.

(10) ANSI Z21.5.1–1999, Gas Clothes Dryers Volume 1, Type 1 Clothes Dryers, with Addendum Z21.5.1a–1999, IBR approved for § 3280.703.

(11) ANSI Z21.10.1–1998, Gas Water Heaters—Volume 1, Storage Water Heaters with Input Ratings of 75,000 BTU per hour or Less, with Addendum Z21.10.1a–2000, IBR approved for §§ 3280.703 and 3280.707(d).

(12) ANSI Z21.15–1997, Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves, IBR approved for §§ 3280.703 and 3280.705(c).

(13) ANSI Z21.19–1990, with Addendum ANSI Z21.19a–1992 and Z21.19b–1995, Refrigerators Using Gas Fuel, IBR approved for § 3280.703.

(14) ANSI Z21.20 with Addendum Z21.20a–2000, Automatic Gas Ignition Systems and Components, IBR approved for § 3280.703.

(15) ANSI Z21.21–2000, Automatic Valves for Gas Appliances, IBR approved for § 3280.703.

(16) ANSI Z21.22–1999, Relief Valves for Hot Water Supply Systems, IBR approved for §§ 3280.604(b) and 3280.703.

(17) ANSI Z21.23–1993, Gas Appliance Thermostats, approved August 10, 1993, IBR approved for § 3280.703.

(18) ANSI Z21.24–1997/CGA 6.10–M97, Connectors for Gas Appliances, IBR approved for § 3280.703.

(19) ANSI Z21.40.1–1996/CGA 2.91–M96, Gas-Fired, Heat Activated Air Conditioning and Heat Pump Appliances,

IBR approved for §§ 3280.703 and 3280.714(a).

(20) ANSI Z21.47–1990 with Addendum Z21.47a–1990 and Z21.47b–1992, Gas-Fired Central Furnaces (Except Direct Vent System Central Furnaces), IBR approved for § 3280.703.

(21) ANSI Z34.1–1993, Third-Party Certification Programs for Products, Processes, and Services, IBR approved for §§ 3280.403(e) and 3280.405(e).

(22) ANSI Z97.1–2004, Standard for Safety Glazing Materials used in Buildings—Safety Performance Specifications and Methods of Test, copyright 2004, IBR approved for §§ 3280.113(c), 3280.304(b), 3280.403(d)(1), 3280.604(b), and 3280.607(b).

(23) ANSI Z124.1–1987, Plastic Bathtub Units with Addendum Z124.1a–1990 and Z124.1b–1991, IBR approved for § 3280.604(b).

(24) ANSI Z124.2–1987, Plastic Shower Receptors and Shower Stalls with Addendum Z124.2a–1990, IBR approved for § 3280.604(b).

(25) ANSI Z124.3–1986, Plastic Lavatories with Addendum Z124.3a–1990, IBR approved for § 3280.604(b).

(26) ANSI Z124.4–1986, Plastic Water Closets, Bowls, and Tanks with Addenda Z124.4a–1990, IBR approved for § 3280.604(b).

(27) ANSI Z124.5–1997, Plastic Toilet (Water Closets) Seats, IBR approved for § 3280.604(b).

(28) ANSI Z124.7–1997, Prefabricated Plastic Spa Shells, IBR approved for § 3280.604(b).

(29) ANSI Z–124.9–1994, Plastic Urinal Fixtures, IBR approved for § 3280.604(b).

(k) The Engineered Wood Association (APA) (formerly the American Plywood Association), 7011 South 19th Street, Tacoma, WA 98411, telephone number 253–565–6600, fax number 253–565–7265, Web site: <http://www.apawood.org>.

(1) APA D410A–2004, Panel Design Specification, IBR approved for § 3280.304(b).

(2) APA E30P–1996, APA Design/Construction Guide, Residential and Commercial Structures, IBR approved for § 3280.304(b).

(3) APA E30R, Engineered Wood Construction Guide, revised January 2001, IBR approved for § 3280.304(b).

(4) APA H815E-1995 (PDS Supplement #5), Design and Fabrication of All-Plywood Beams, IBR approved for § 3280.304(b).

(5) APA S 811M-1990 (PDS Supplement 1), Design and Fabrication of Plywood Curved Panels, IBR approved for § 3280.304(b).

(6) APA S 812R, Design and Fabrication of Glued Plywood-Lumber Beams, revised November 1998, Supplement #2, July 1992 IBR approved for § 3280.304.

(7) APA U 813L, Design and Fabrication of Plywood Stressed-Skin Panels, revised April 1996, Supplement # 3, August 1992, IBR approved for § 3280.304(b).

(8) APA U 814H, Design and Fabrication of Plywood, Sandwiched Panels, revised September 1993, Supplement #4, March 1990, IBR approved for § 3280.304(b).

(1) American Society of Civil Engineers (ASCE), 1801 Alexander Bell Drive, Reston, VA 20191, telephone number 800-548-2723, Web site: <http://www.asce.org>.

(1) ANSI/ASCE 7-88, Minimum Design Loads for Buildings and Other Structures, IBR approved for §§ 3280.5(f), 3280.304(b), and 3280.305(c).

(2) SEI/ASCE 8-02, Specification for the Design of Cold-Formed Stainless Steel Structural Members, 2002, IBR approved for §§ 3280.304(b) and 3280.305(j).

(3) ASCE 19-96, Structural Applications of Steel Cables for Buildings, IBR approved for § 3280.304(b).

(m) American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), 1791 Tullie Circle NE., Atlanta, GA 30329, telephone number 404-636-8400, fax number 404-321-5478, Web site: <https://www.ashrae.org/home/>.

(1) 1997 ASHRAE Handbook of Fundamentals, Inch-Pound Edition (1997), chapters 22 through 27, (except for the following parts of this standard that are not incorporated by reference: 23.1 Steel Frame Construction; 23.2 Masonry Construction; 23.3 Foundations and Floor Systems; 23.15 Pipes; 23.17 Tanks, Vessels, and Equipment; 23.18 Refrigerated Rooms and Buildings; 24.18 Mechanical and Industrial Systems; 25.19 Commercial Building Envelope Leakage; 27.9 Calculation of Heat Loss from Crawl Spaces). IBR approved

for §§ 3280.508(a), 3280.508(e), and 3280.511(a).

(2) ANSI/ASHRAE 62.2-2010, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings, copyright 2010 IBR approved for § 3280.103(d).

(n) ASME (formerly the American Society of Mechanical Engineers), Two Park Avenue, New York, NY 10016-5990, telephone number 800-843-2763, Web site: <http://www.asme.org/>.

(1) ASME A112.1.2-1991, Air Gaps in Plumbing Systems, IBR approved for § 3280.604(b).

(2) ANSI/ASME A112.4.1-1993, Water Heater Relief Valve Drain Tubes, IBR approved for § 3280.604(b).

(3) ANSI/ASME A112.4.3-1999, Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System, IBR approved for § 3280.604(b).

(4) ASME/ANSI A112.18.1M-1989, Plumbing Fixture Fittings, IBR approved for § 3280.604(b).

(5) ASME A112.18.3M-1996, Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings, IBR approved for § 3280.604(b).

(6) ASME A112.18.6-1999, Flexible Water Connectors, IBR approved for § 3280.604(b).

(7) ASME A112.18.7-1999, Deck Mounted Bath/Shower Transfer Valves with Integral Backflow Protection, IBR approved for § 3280.604(b).

(8) ANSI/ASME A112.19.1M-1987, Enameled Cast Iron Plumbing Fixtures, IBR approved for § 3280.604(b).

(9) ANSI/ASME A112.19.2(M)-1990, Vitreous China Plumbing Fixtures, IBR approved for § 3280.604(b).

(10) ANSI/ASME A112.19.3M-1987, Stainless Steel Plumbing Fixtures (Designed for Residential Use), IBR approved for § 3280.604(b).

(11) ANSI/ASME A112.19.4(M)-1984, Porcelain Enameled Formed Steel Plumbing Fixtures, IBR approved for § 3280.604(b).

(12) ASME A112.19.6-1995, Hydraulic Performance Requirements for Water Closets and Urinals, IBR approved for § 3280.604(b).

(13) ASME/ANSI A112.19.7M-1987, Whirlpool Bathtub Appliances, IBR approved for § 3280.604(b).

§ 3280.4

24 CFR Ch. XX (4–1–23 Edition)

(14) ASME/ANSI A112.19.8M–1989, Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Whirlpool Bathtub Appliances, IBR approved for § 3280.604(b).

(15) ASME A112.19.9M–1991, Non-Vitreous Ceramic Plumbing Fixtures, IBR approved for § 3280.604(b).

(16) ASME A112.19.10–1994, Dual Flush Devices for Water Closets, IBR approved for § 3280.604(b).

(17) ANSI/ASME A112.21.3M–1985, Hydrants for Utility and Maintenance Use, IBR approved for § 3280.604(b).

(18) ANSI/ASME B1.20.1–1983, Pipe Threads, General Purpose (Inch), IBR approved for §§ 3280.604(b), 3280.703, 3280.705(e), and 3280.706(d).

(19) ANSI/ASME B16.3–1992, Malleable Iron Threaded Fittings, IBR approved for § 3280.604(b).

(20) ANSI/ASME B16.4–1992, Gray Iron Threaded Fittings, IBR approved for § 3280.604(b).

(21) ANSI/ASME B16.15–1985, Cast Bronze Threaded Fittings, Classes 125 and 250, IBR approved for § 3280.604(b).

(22) ASME/ANSI B16.22–1989, Wrought-Copper and Copper Alloy Solder-Joint Pressure Fitting, IBR approved for § 3280.604(b).

(23) ASME B16.23–1992, Cast Copper Alloy Solder-Joint Drainage Fittings-DWV, IBR approved for § 3280.604(b).

(24) ASME/ANSI B16.26–1988, Cast Copper Alloy Fittings for Flared Copper Tubes, IBR approved for § 3280.604(b).

(25) ASME/ANSI B16.29–1986, Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings-DWV, IBR approved for § 3280.604(b).

(26) ANSI/ASME B36.10–1979, Welding and Seamless Wrought Steel Pipe, IBR approved for §§ 3280.604(b), 3280.703, 3280.705(b), and 3280.706(b).

(o) American Society of Sanitary Engineering (ASSE), 901 Canterbury, Suite A, Westlake, OH 44145, phone number 440–835–3040, fax number 440–835–3488, Web site: <http://www.asse-plumbing.org>.

(1) ASSE 1001 (ANSI Approved 1990), Performance Requirements for Pipe Applied Atmospheric Type Vacuum Breakers, IBR approved for § 3280.604(b).

(2) ASSE 1002 Revision 5–1986 (ANSI/ASSE–1979), Performance Requirements for Water Closet Flush Tank Fill

Valves (Ballcocks), IBR approved for § 3280.604(b).

(3) ASSE 1006 (ASSE/ANSI–1986), Plumbing Requirements for Residential Use (Household) Dishwashers, IBR approved for § 3280.604(b).

(4) ASSE 1007–1986, Performance Requirements for Home Laundry Equipment, IBR approved for § 3280.604(b).

(5) ASSE 1008–1986, Performance Requirements for Household Food Waste Disposer Units, IBR approved for § 3280.604(b).

(6) ASSE 1011–1981 (ANSI–1982), Performance Requirements for Hose Connection Vacuum Breakers, IBR approved for § 3280.604(b).

(7) ASSE 1014–1989 (ANSI–1990), Performance Requirements for Hand-held Showers, IBR approved for § 3280.604(b).

(8) ASSE 1016–2005, Performance Requirements for Automatic Compensating Valves for Individual Shower and Tub/Shower Combinations, approved January 2005, IBR approved for §§ 3280.604(b) and 3280.607(b).

(9) ASSE 1017–1986, Performance Requirements for Temperature Activated Mixing Valves for Primary Domestic Use, IBR approved for § 3280.604(b).

(10) ANSI/ASSE 1019–1978, Performance Requirements for Wall Hydrants, Frost Proof Automatic Draining, Anti-Backflow Types, IBR approved for § 3280.604(b).

(11) ASSE 1023 (ANSI/ASSE–1979), Performance Requirements for Hot Water Dispensers, Household Storage Type Electrical, IBR approved for § 3280.604(b).

(12) ASSE 1025 (ANSI/ASSE–1978), Performance Requirements for Diverters for Plumbing Faucets with Hose Spray, Anti-Siphon Type, Residential Applications, IBR approved for § 3280.604(b).

(13) ASSE 1037–1990 (ANSI–1990), Performance Requirements for Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures, IBR approved for § 3280.604(b).

(14) ASSE 1051 Revised 1996 (ANSI 1998), Performance Requirements for Air Admittance Valves for Plumbing Drainage Systems—Fixture and Branch Devices, IBR approved for § 3280.604(b).

(15) ASSE 1070–2004, Performance Requirements for Water Temperature

Limiting Devices, IBR approved for §§ 3280.604(b) and 3280.607(b).

(p) ASTM, International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, (610) 832-9500, fax number 610-832-9555, Web site: <http://www.astm.org>.

(1) ASTM A53-93, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, IBR approved for §§ 3280.604(b) and 3280.703.

(2) ASTM A74-92, Standard Specification for Cast Iron Soil Pipe and Fittings, IBR approved for § 3280.604(b).

(3) ASTM A539-99, Standard Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines, IBR approved for §§ 3280.703, 3280.705(b), and § 3280.706(b).

(4) ASTM B42-93, Standard Specification for Seamless Copper Pipe, Standard Sizes, IBR approved for §§ 3280.604 and 3280.703.

(5) ASTM B43-91, Standard Specification for Seamless Red Brass Pipe, Standard Sizes, IBR approved for §§ 3280.604(b) and 3280.705(b).

(6) ASTM B88-93, Standard Specification for Seamless Copper Water Tube, IBR approved for §§ 3280.604, 3280.703, 3280.705(b), and 3280.706(b).

(7) ASTM B251-93, Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube, IBR approved for §§ 3280.604 and 3280.703.

(8) ASTM B280-95a, Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, IBR approved for §§ 3280.703, 3280.705(b), and 3280.706(b).

(9) ASTM B306-92, Standard Specification for Copper Drainage Tube (DWV), IBR approved for § 3280.604(b).

(10) ASTM C 36/C 36M-99, Standard Specification for Gypsum Wallboard, 1999, IBR approved for § 3280.304.

(11) ASTM C564-97, Standard Specification for Rubber Gaskets for Case Iron Soil Pipe and Fittings, approved December 10, 1997, IBR approved for §§ 3280.604(b) and 3280.611(d).

(12) ASTM C920-02, Standard Specification for Elastomeric Joint Sealants, approved January 10, 2002, IBR approved for § 3280.611(d).

(13) ASTM D781-68 (Reapproved 1973), Standard Test Methods for Puncture and Stiffness of Paperboard, and Cor-

rugated and Solid Fiberboard, IBR approved for §§ 3280.304(b), and 3280.305(g).

(14) ASTM D2235-88, Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings, IBR approved for § 3280.604(b).

(15) ASTM D2564-91a, Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems, IBR approved for § 3280.604(b).

(16) ASTM D2661-91, Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings, IBR approved for § 3280.604(b).

(17) ASTM D2665-91b, Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, IBR approved for § 3280.604(b).

(18) ASTM D2846-92, Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems, IBR approved for § 3280.604(b).

(19) ASTM D3309-92a, Standard Specification for Polybutylene (PB) Plastic Hot- and Cold-Water Distribution Systems, IBR approved for § 3280.604(b).

(20) ASTM D3311-92, Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns, IBR approved for § 3280.604(b).

(21) ASTM D3953-97, Standard Specification for Strapping, Flat Steel, and Seals, approved April 10, 1997, IBR approved for §§ 3280.306(b) and 3280.306(g).

(22) ASTM D4442-92 (Reapproved 1997), Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials, IBR approved for § 3280.304(b).

(23) ASTM D4444-92, Standard Test Methods for Use and Calibration of Hand-Held Moisture Meters, IBR approved for § 3280.304(b).

(24) ASTM D4635-01, Standard Specification for Polyethylene Films Made from Low-Density Polyethylene for General Use and Packaging Applications, approved June 10, 2001, IBR approved for § 3280.611(d).

(25) ASTM D6007-14, Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small Air Chamber, approved October 1, 2014; IBR approved for § 3280.406(b).

§ 3280.4

24 CFR Ch. XX (4–1–23 Edition)

(26) ASTM E84–01, Standard Test Method for Surface Burning Characteristics of Building Materials, 2001, IBR approved for § 3280.203(a).

(27) ASTM E 119–05, Standard Test Methods for Fire Tests of Building Construction and Materials, approved September 15, 2005, IBR approved for § 3280.1003(a).

(28) ASTM E 96–95 Standard Test Methods for Water Vapor Transmission of Materials, IBR approved for § 3280.504(a).

(29) ASTM E 162–94, Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source, IBR approved for § 3280.203(a).

(30) ASTM E 773–97, Standard Test Methods for Accelerated Weathering of Sealed Insulating Glass Units, IBR approved for § 3280.403(d).

(31) ASTM E 774–97, Standard Specification for the Classification of the Durability of Sealed Insulating Glass Units, IBR approved for § 3280.403(d).

(32) ASTM E1333–14, Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products Using a Large Air Chamber, approved October 1, 2014; IBR approved for § 3280.406(b).

(33) ASTM F628–91, Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40, Plastic Drain, Waste, and Vent Pipe with a Cellular Core, IBR approved for § 3280.604(b).

(34) ASTM F876–10, Standard Specification for Crosslinked Polyethylene (PEX) Tubing, approved February 10, 2010, IBR approved for § 3280.604(b).

(35) ASTM F877–07, Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems, approved February 1, 2007, IBR approved for § 3280.604(b).

(q) Cast Iron Soil Pipe Institute (CISPI), 1064 Delaware Avenue SE, Atlanta, GA 30316, telephone number 404–622–0073, fax number 404–973–2845, Web site: <http://www.cispi.org/>.

(1) CISPI–301–90, Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, IBR approved for § 3280.604(b).

(2) CISPI–HSN–85, Specification for Neoprene Rubber Gaskets for HUB and Spigot Cast Iron Soil Pipe and Fit-

tings, IBR approved for §§ 3280.604, 3280.611(d).

(r) FS—Federal Specifications, General Services Administration, Specifications Branch, Room 6039, GSA Building, 7th and D Streets, SW., Washington, DC 20407.

(1) FS WW–P–541E/GEN–1980, Plumbing Fixtures (General Specifications), IBR approved for § 3280.604(b).

(2) FS ZZ–R–765B–1970, Silicone Rubber, (with 1971 Amendment), IBR approved for § 3280.611(d).

(s) HPVA (previously HPMA)—Hardwood Plywood and Veneer Association (HPVA) (previously named Hardwood Plywood Manufacturers Association (HPMA), 1825 Michael Faraday Drive, Reston, VA 22090, telephone number 703–435–2900, fax number 703–435–2537, Web site: <http://www.hpva.org/>.

(1) ANSI/HPVA HP–1–1994 (Approved 1995), American National Standard for Hardwood and Decorative Plywood, IBR approved for § 3280.304(b).

(2) HP–SG–96, Structural Design Guide for Hardwood Plywood Wall Panels, revised 1996, IBR approved for § 3280.304(b).

(t) HUD User, 11491 Sunset Hills Road, Reston, VA 20190–5254.

(1) HUD User No. 0005945, Overall U-values and Heating/Cooling Loads—Manufactured Homes, February 1992, IBR approved for § 3280.508(b).

(2) [Reserved]

(u) IIT Research Institute (IITRI), 10 West 35th Street, Chicago, IL 60616, telephone number 312–567–4000, Web site: <http://www.iitri.org/>.

(1) IITRI Fire and Safety Research Project J–6461 “Development of Mobile Home Fire Test Methods to Judge the Fire-Safe Performance of Foam Plastic Sheathing and Cavity Insulation”, 1979, IBR approved for § 3280.207(a).

(2) [Reserved]

(v) International Association of Plumbing and Mechanical Officials (IAPMO), 4755 East Philadelphia Street, Ontario, CA 91716, telephone number 909–472–4100, fax number 909–472–4150, Web site: <http://www.iapmo.org/>.

(1) IAPMO PS 2–89, Material and Property Standard for Cast Brass and Tubing P-Traps, IBR approved for § 3280.604(b).

Office of Asst. Sec. for Housing, HUD

§ 3280.4

(2) IAPMO PS 4-90, Material and Property Standard for Drains for Prefabricated and Precast Showers, IBR approved for § 3280.604(b).

(3) IAPMO PS 5-84, Material and Property Standard for Special Cast Iron Fittings, IBR approved for § 3280.604(b).

(4) IAPMO PS 9-84, Material and Property Standard for Diversion Tees and Twin Waste Elbow, IBR approved for § 3280.604(b).

(5) IAPMO PS 14-89, Material and Property Standard for Flexible Metallic Water Connectors, IBR approved for § 3280.604(b).

(6) IAPMO PS 23-89, Material and Property Standard for Dishwasher Drain Airgaps, IBR approved for § 3280.604(b).

(7) IAPMO PS 31-91, Material and Property Standards for Backflow Prevention Assemblies, IBR approved for § 3280.604(b).

(8) IAPMO TSC 9-97, Standard for Gas Supply Connectors for Manufactured Homes, IBR approved for § 3280.703.

(9) IAPMO TSC 22-85, Standard for Porcelain Enameled Formed Steel Plumbing Fixtures, IBR approved for § 3280.604(b).

(w) Military Specifications and Standards, Naval Publications and Forms Center (MIL), 5801 Tabor Avenue, Philadelphia, PA 19120.

(1) MIL-L-10547E-1975, Liners, Case, and Sheet, Overwrap; Water-Vapor Proof or Waterproof, Flexible, IBR approved for § 3280.611(d).

(2) [Reserved]

(x) National Electrical Manufacturers Association (NEMA), 1300 North 17th Street, Suite 1752, Arlington, VA 22209, telephone number 703-841-3200, fax number 703-841-5900, Web site: <http://www.nema.org/Pages/default.aspx>.

(1) ANSI/NEMA WD-6-1997 Wiring Devices—Dimensional Specifications, IBR approved for § 3280.803(f).

(2) [Reserved]

(y) International Code Council Evaluation Service (NER), (previously known as National Evaluation Service), 5360 Workman Mill Road, Whittier, CA 90601-0543, telephone number 1-800-423-6587, ext. 66546, fax number 562-695-4694, Web site: <http://www.icc-es.org>.

(1) NER-272, National Evaluation Report, Power Driven Staples, Nails, and Allied Fasteners for Use in All Types of Building Construction, Reissued September 1, 1997, IBR approved for § 3280.304(b).

(2) [Reserved]

(z) National Fenestration Rating Council (NFRC), 6305 Ivy Lane, Suite 140, Greenbelt, MD 20770, telephone number 301-589-1776, fax number 301-589-3884, Web site: <http://www.nfrc.org>.

(1) NFRC 100, Procedure for Determining Fenestration Product U-factors, 1997 Edition, IBR approved for § 3280.508(e).

(2) [Reserved]

(aa) National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02269, phone number 617-770-3000, fax number 617-770-0700, Web site: <http://www.nfpa.org>.

(1) NFPA 31, Standard for the Installation of Oil Burning Equipment, 2001, IBR approved for §§ 3280.703 and 3280.707(f).

(2) NFPA 54-2002, National Fuel Gas Code, IBR approved for § 3280.703.

(3) NFPA 58, Liquefied Petroleum Gas Code, 2001 Edition, IBR approved for §§ 3280.703 and 3280.704(b).

(4) NFPA No. 70-2005, National Electrical Code, IBR approved as follows:

(i) Article 110.22, IBR approved for §§ 3280.803(k) and 3280.804(k).

(ii) Article 210.12(A) and (B), IBR approved for § 3280.801(b).

(iii) Article 220.61, IBR approved for § 3280.811(b).

(iv) Article 230, IBR approved for §§ 3280.803(k) and 3280.804(k).

(v) Article 250.24, IBR approved for §§ 3280.803(k) and 3280.804(k).

(vi) Article 250.26, IBR approved for §§ 3280.803(k) and 3280.804(k).

(vii) Article 250.28, IBR approved for §§ 3280.803(k) and 3280.804(k).

(viii) Article 312.2(A), IBR approved for §§ 3280.803(k) and 3280.804(k).

(ix) Table 314.16(A), IBR approved for §§ 3280.808(m) and 3280.808(q).

(x) Article 314.23(B), IBR approved for §§ 3280.808(m) and 3280.808(q).

(xi) Article 406.3, IBR approved for § 3280.807(d).

(xii) Article 410.4(D), IBR approved for § 3280.805(a).

(xiii) Article 440, IBR approved for § 3280.805(a).

§ 3280.4

24 CFR Ch. XX (4–1–23 Edition)

(xiv) Article 440.65, IBR approved for § 3280.801(b).

(xv) Part II of Article 550, IBR approved for §§ 3280.801(a) and 3280.801(b).

(xvi) Article 550.17, IBR approved for § 3280.810(b).

(xvii) Article 550.25(a), IBR approved for § 3280.801(b).

(xviii) Article 680.70, IBR approved for §§ 3280.607(c) and 3280.801(a).

(xix) Article 680.71, IBR approved for §§ 3280.607(c) and 3280.801(a).

(xx) Articles 680.72, IBR approved for §§ 3280.607(c) and 3280.801(a).

(5) NFPA 90B, Warm Air Heating and Air Conditioning Systems, 1996 Edition, IBR approved for § 3280.703.

(6) NFPA 220, Standard on Types of Building Construction, Chapter 2: definitions of “limited combustible” and “noncombustible material”, 1995 Edition, IBR approved for § 3280.202.

(7) NFPA 253, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source, 2000, IBR approved for § 3280.207(c).

(8) NFPA 255, Standard Method of Test of Surface Burning Characteristics of Building Materials, 1996, IBR approved for §§ 3280.203(a) and 3280.207(a).

(9) NFPA 720, Standard for Installation of Carbon Monoxide (CO) Detection and Warning Equipment, 2015 Edition, Copyright 2014, IBR approved for § 3280.211(b).

(bb) U.S. Department of Commerce, National Institute of Standards and Technology (NIST), Office of Engineering Standards, Room A-166, Technical Building, Washington, DC 20234 and Voluntary Product Division, 100 Bureau Drive, Stop 2100, Gaithersburg, MD 20899-2100, telephone number 301-975-4000, fax number 301-975-4715, Web site: <http://www.nist.gov>.

(1) PS 1-95, Construction and Industrial Plywood (With Typical APA Trademarks), IBR approved for § 3280.304(b).

(2) Voluntary Product Standard PS 2-04, Performance Standard for Wood-Based Structural-Use Panels, December 2004, IBR approval for § 3280.304(b).

(cc) National Sanitation Foundation (NSF), 789 North Dixboro Road, Ann Arbor, MI 48105, telephone number 734-769-8010, fax number 734-769-0109, Web site: <http://www.nsf.org>.

(1) ANSI/NSF 14-1990, Plastic Piping Components and Related Materials, IBR approved for § 3280.604(b).

(2) ANSI/NSF 24-1988, Plumbing System Components for Manufactured Homes and Recreational Vehicles, IBR approved for § 3280.604(b).

(3) ANSI/NSF 61-2001, Drinking Water System Components-Health Effects, IBR approved for § 3280.604(b).

(dd) Resources, Applications, Designs, & Controls (RADCO), 3220 East 59th Street, Long Beach, CA 90805, telephone number 562-272-7231, fax number 562-529-7513, Web site: <http://www.radcoinc.com>.

(1) RADCO DS-010-91, Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces, May 1991, IBR approved for § 3280.703.

(2) [Reserved]

(ee) Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096, telephone number 724-776-0790, Web site: <http://www.sae.org/>.

(1) SAE-J533b-1992, Flares for Tubing, IBR approved for §§ 3280.703 and 3280.705(f).

(2) [Reserved]

(ff) Steel Joist Institute (SJI), 234 West Cheves Street, Florence, SC 29501, telephone number 843-407-4091, Web site: <http://steeljoist.org>.

(1) Standard Specifications Load Tables and Weight Tables for Steel Joists and Joist Girders, SJI 1994, Fortieth Edition, IBR approved for § 3280.304(b).

(2) [Reserved]

(gg) Truss Plate Institute (TPI), 218 North Lee Street, Suite 312, Alexandria, VA 22314, telephone number 703-683-1010, fax number 866-501-4012, Web site: <http://www.tpinst.org/index.html>.

(1) TPI-85, Design Specifications for Metal Plate and Wood Connected Trusses, IBR approved for § 3280.304(b).

(2) [Reserved]

(hh) Underwriters' Laboratories, Inc. (UL), 333 Pfingsten Road, Northbrook, IL 60062, telephone number 847-272-8800, fax number 847-509-6257, Web site: <http://www.ul.com>.

(1) UL 94-1996, with 2001 revisions, Test for Flammability of Plastic Materials for Parts in Devices and Appliances, Fifth Edition, IBR approved for § 3280.715(e).

(2) UL 103-1995, with 1999 revisions, Factory-Built Chimneys for Residential Type and Building Heating Appliances, Ninth Edition, IBR approved for § 3280.703.

(3) UL 109-1997, with 2001 revisions, Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use, Sixth Edition, IBR approved for § 3280.703.

(4) UL 127-1996, with 1999 revisions, Factory-Built Fireplaces, Seventh Edition, IBR approved for § 3280.703.

(5) UL 174-1996, with 1997 revisions, Household Electric Storage Tank Water Heaters, Tenth Edition, IBR approved for § 3280.703.

(6) UL 181 Factory-Made Air Ducts and Air Connectors, Ninth Edition, April 4, 1996, with revisions through May 15, 2003, IBR approved for §§ 3280.702, 3280.703 and 3280.715(a).

(7) UL 181A, 1994, with 1998 revisions, Standard for Safety Closure Systems for use with Rigid Air Ducts and Air Connectors, Second Edition, IBR approved for §§ 3280.703 and 3280.715(c).

(8) UL 181B, 1995, with 1998 revisions, Standard for Safety Closure Systems for use with Flexible Air Ducts and Air Connectors, First Edition, IBR approved for §§ 3280.703 and 3280.715(c).

(9) UL 217, Single and Multiple Station Smoke Alarms, Fifth Edition, dated January 4, 1999, IBR approved for §§ 3280.208(a) and 3280.211(a).

(10) UL 268, Smoke Detectors for Fire Protective Signaling Systems, Fourth Edition, dated January 4, 1999, IBR approved for § 3280.208(a).

(11) UL 307A-1995, Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles, Seventh Edition, with 1997 revisions, IBR approved for §§ 3280.703 and 3280.707(f).

(12) UL 307B-1995, Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles, Fourth Edition, with 1998 revisions, IBR approved for § 3280.703.

(13) UL 311, 1994, with 1998 revisions, Roof Jacks for Manufactured Homes and Recreational Vehicles, Eighth Edition, IBR approved for § 3280.703.

(14) UL 441, 1996 with 1999 revisions, Gas Vents, Ninth Edition, IBR approved for § 3280.703.

(15) UL 569, 1995 with 2001 revisions, Pigtailed and Flexible Hose Connectors for LP-Gas, Seventh Edition, IBR approved for §§ 3280.703 and 3280.705(k).

(16) UL 737, 1996, Fireplace Stoves, Eighth Edition, with 2000 revisions, IBR approved for § 3280.703.

(17) UL 923 Microwave Cooking Appliances, Fifth Edition, May 23, 2002, IBR approved for § 3280.204(c).

(18) UL 1042-1994, Electric Baseboard Heating Equipment, Fourth Edition, with 1998 revisions, IBR approved for § 3280.703.

(19) UL 1096, 1986, Electric Central Air Heating Equipment, Fourth Edition with revisions July 16, 1986, and January 30, 1988, IBR approved for § 3280.703.

(20) UL 1482, 1996, with 2000 revisions, Solid-Fuel Type Room Heaters, Fifth Edition, IBR approved for § 3280.703.

(21) UL 1995, 1995, Heating and Cooling Equipment, Second Edition, with 1999 revisions, IBR approved for § 3280.703.

(22) UL 2021-1997, Fixed and Location-Dedicated Electric Room Heaters, Second Edition, with 1998 revisions, IBR approved for § 3280.703.

(23) ANSI/UL 2034-2016, Standard for Single and Multiple Station Carbon Monoxide Alarms, Third Edition, dated February 28, 2008 (including revisions through May 11, 2016), IBR approved for § 3280.211(a).

(ii) Underwriters' Laboratories of Canada (ULC), 7 Underwriters Road, Toronto, Ontario, Canada M1 R 3A9, telephone number 866-937-3852, fax number 416-757-8727, Web site: <http://www.ul.com/canada/eng/pages/>.

(1) CAN/ULC S102.2-M88, Standard Method of Test for Surface Burning Characteristics of Floor Coverings and Miscellaneous Materials and Assemblies, Fourth Edition, April 1988, IBR approved for § 3280.207(b).

(2) [Reserved]

(jj) Window and Door Manufacturers Association (WDMA) (Previously known as the National Wood Window and Door Association, (NWWDA)), 2025 M Street, NW., Suite 800, Washington, DC 20036-3309, telephone number 202-367-1157, Web site: <https://www.wdma.com>.

(1) NWWDA I.S.4-81, Water Repellent Preservative Non-Pressure Treatment

§ 3280.5

24 CFR Ch. XX (4–1–23 Edition)

for Millwork, IBR approved for § 3280.405(b).

(2) [Reserved]

[78 FR 73976, Dec. 9, 2013, as amended at 79 FR 31863, June 3, 2014; 85 FR 5566, Jan. 31, 2020; 86 FR 2516, Jan. 12, 2021]

§ 3280.5 Data plate.

Each manufactured home shall bear a data plate affixed in a permanent manner near the main electrical panel or other readily accessible and visible location. Each data plate shall be made of material what will receive typed information as well as preprinted information, and which can be cleaned of ordinary smudges or household dirt without removing information contained on the data plate; or the data plate shall be covered in a permanent manner with materials that will make it possible to clean the data plate of ordinary dirt and smudges without obscuring the information. Each data plate shall contain not less than the following information:

(a) The name and address of the manufacturing plant in which the manufactured home was manufactured.

(b) The serial number and model designation of the unit, and the date the unit was manufactured.

(c) The applicable statement:

This manufactured home is designed to comply with the Federal Manufactured Home Construction and Safety Standards in force at the time of manufacture.

This manufactured home has been substantially completed in accordance with an approved design and has been inspected (except for the components specifically identified in the instructions for completion on-site) in accordance with the Federal Manufactured Home Construction and Safety Standards and the requirements of the Department of Housing and Urban Development (HUD) in effect on the date of manufacture.

(d) The applicable statement:

This manufactured home IS designed to accommodate the additional loads imposed by the attachment of an attached accessory building or structure in accordance with the manufacturer installation instructions. The additional loads are in accordance with the design load(s) identified on this Data Plate; or

This manufactured home IS NOT designed to accommodate the additional loads imposed by the attachment of an

attached accessory building or structure in accordance with the manufacturer installation instructions.

(e) A list of the certification label(s) number(s) that are affixed to each transportable manufactured section under § 3280.8.

(f) A list of major factory-installed equipment, including the manufacturer's name and the model designation of each appliance.

(g) Reference to the roof load zone and wind load zone for which the home is designed and duplicates of the maps as set forth in § 3280.305(c). This information may be combined with the heating/cooling certificate and insulation zone map required by §§ 3280.510 and 3280.511. The Wind Zone Map on the Data Plate shall also contain the statement:

This home has not been designed for the higher wind pressures and anchoring provisions required for ocean/coastal areas and should not be located within 1500' of the coastline in Wind Zones II and III, unless the home and its anchoring and foundation system have been designed for the increased requirements specified for Exposure D in ANSI/ASCE 7-88.

(h) The statement:

This home has—has not—(appropriate blank to be checked by manufacturer) been equipped with storm shutters or other protective coverings for windows and exterior door openings. For homes designed to be located in Wind Zones II and III, which have not been provided with shutters or equivalent covering devices, it is strongly recommended that the home be made ready to be equipped with these devices in accordance with the method recommended in the manufacturers printed instructions.

(i) The statement: “Design Approval by”, followed by the name of the agency that approved the design.

(j) The statement: The manufacturer certifies this home is compliant with the Title VI, Toxic Substances Control Act.

[59 FR 2469, Jan. 14, 1994, as amended at 80 FR 53727, Sept. 8, 2015; 85 FR 5566, Jan. 31, 2020; 86 FR 2516, Jan. 12, 2021]

§ 3280.6 Serial number.

(a) A manufactured home serial number which will identify the manufacturer and the state in which the manufactured home is manufactured, must