

APPENDIX A—STANDARDS FOR WEATHERIZATION  
MATERIALS

If the standards listed in this appendix conflict with those required by current local codes, the local code shall have precedence and a copy of the applicable section will be retained with procurement records.

The following Government standards are produced by the Consumer Product Safety Commission and are published in title 16, Code of Federal Regulations:

Thermal Insulating Materials for Building Elements Including Walls, Floors, Ceilings, Attics, and Roofs Insulation—organic fiber—conformance to Interim Safety Standard in 16 CFR part 1209;

Fire Safety Requirements for Thermal Insulating Materials According to Insulation Use—Attic Floor—insulation materials intended for exposed use in attic floors shall be capable of meeting the same flammability requirements given for cellulose insulation in 16 CFR part 1209;

Enclosed spaces—insulation materials intended for use within enclosed stud or joist spaces shall be capable of meeting smoldering combustion requirements in 16 CFR part 1209.

The following standards which are not otherwise set forth in part 440 are incorporated by reference and made part of part 440. The following standards have been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. These materials are incorporated as they exist on January 3, 2002 and a notice of any change in these materials will be published in the FEDERAL REGISTER. The standards incorporated by reference are available for inspection at the Office of the Federal Register Information Center, 800 North Capitol Street, Suite 700, Washington, DC 20001.

The standards incorporated by reference in part 440 can be obtained from the following sources:

Air Conditioning and Refrigeration Institute, 4301 N. Fairfax Drive, Suite 425, Arlington, VA 22203; (703) 524-8800.  
American Architectural Manufacturers Association, 1827 Walden Office Square, Suite 104, Schaumburg, Illinois 60173-4268; (847) 303-5664.  
American Gas Association, 400 N. Capitol Street, NW, Washington, DC 20001; (202) 824-7000.  
American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036; (212) 642-4900.  
American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990; (212) 591-7722.

American Society for Testing and Materials, 100 Bar Harbor Drive, West Conshohocken, PA 19428-2959; (610) 832-9585.

Association of Home Appliance Manufacturers, 1111 19th Street, NW, Suite 402, Washington DC, 20036; (202) 872-5955.

Federal Specifications, General Services Administration, General Services Administration, Federal Supply Service, Office of the CIO and Marketing Division, Room 800, 1941 Jefferson Davis Hwy., Arlington, VA 22202; (703) 305-6288.

Gas Appliance Manufacturers Association, 2107 Wilson Boulevard, Suite 600, Arlington, Virginia 22201; (703) 525-7060.

National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209; (703) 841-3200.

National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101; (617) 770-3000.

Sheet Metal and Air Conditioning Contractors Association, 4201 Lafayette Center Drive, Chantilly, Virginia 20151-1209; (703) 803-2980.

Solar Rating and Certification Corporation, c/o FSEC, 1679 Clearlake Road, Cocoa, FL 32922-5703; (321) 638-1537.

Steel Door Institute, 30200 Detroit Road, Cleveland, OH 44145-1967; (440) 899-0010.

Steel Window Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851; (216) 241-7333.

Tubular Exchanger Manufacturers Association, 25 North Broadway, Tarrytown, NY 10591; (914) 322-0040.

Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096; (847) 272-8800.

Window & Door Manufacturers Association, 1400 East Touhy Avenue, Suite 470, Des Plaines, IL 60018; (800) 223-2301.

More information regarding the standards in this reference can be obtained from the following sources:  
Environmental Protection Agency, 401 M Street, NW, Washington, DC 20006; (202) 554-1080.

National Institute of Standards and Technology, U.S. Department of Commerce, Gaithersburg, MD 20899; (301) 975-2000.

Weatherization Assistance Program, Office of Building Technology Assistance, Energy Efficiency and Renewable Energy, 1000 Independence Avenue, SW, EE-42, Washington, DC 20585-0121; (202) 586-4074.

THERMAL INSULATING MATERIALS FOR BUILDING ELEMENTS INCLUDING WALLS, FLOORS, CEILINGS, ATTICS, AND ROOFS

[Standards for conformance]

Insulation--mineral fiber:	
Blanket insulation . . . . .	ASTM <sup>1</sup> C665-98.
Roof insulation board . . . .	ASTM C726-00a.
Loose-fill insulation . . . . .	ASTM C764-99.
Insulation--mineral cellular:	
Vermiculite loose-fill insulation	ASTM C516-80 (1996)e1.
Perlite loose-fill insulation .	ASTM C549-81 (1995)e1.
Cellular glass insulation block	ASTM C552-00.
Perlite insulation board . . .	ASTM C728-97.
Insulation--organic fiber:	
Cellulosic fiber insulating board	ASTM C208-95.
Cellulose loose-fill insulation	ASTM C739-00.
Cellulose wet-spray insulation	ASTM C1149-97.
Insulation--organic cellular:	
Preformed block-type polystyrene insulation	ASTM C578-95.
Rigid preformed polyurethane insulation board	ASTM C591-00.
Polyurethane or polyisocyanurate insulation board face with aluminum foil on both sides	FS <sup>2</sup> HH-I-1972/1 (1981).
Polyurethane or polyisocyanurate insulation board face with felt on both sides	FS HH-I-1972/2 (1981) and Amendment 1, October 3, 1985).
Insulation--composite boards:	
Mineral fiber insulation board	ASTM C726-00a.
Perlite board	ASTM C728-97.
Gypsum board and polyurethane or polyisocyanurate composite board	FS HH-I-1972/4 (1981).

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

<sup>2</sup> FS indicates Federal Specifications.

THERMAL INSULATING MATERIALS FOR BUILDING ELEMENTS INCLUDING WALLS, FLOORS, CEILINGS, ATTICS, AND ROOFS--Continued

[Standards for conformance]

Materials used as a patch to reduce infiltration through the building envelope	Commercially available.
THERMAL INSULATING MATERIALS FOR PIPES, DUCTS, AND EQUIPMENT SUCH AS BOILERS AND FURNACES	
[Standards for conformance]	
Insulation--mineral fiber:	
Preformed pipe insulation .	ASTM <sup>1</sup> C547-00.
Blanket and felt insulation (industrial type)	ASTM C553-00.
Blanket insulation and blanket type pipe insulation (metal-mesh covered, industrial type)	ASTM C592-00.
Block and board insulation	ASTM C612-00.
Spray applied mineral fiber thermal and sound absorbing insulation	ASTM C1014-99ae1.
High-temperature fiber blanket insulation	ASTM C892-00.
Duct work insulation . . . . .	ASTM C1290-00.
Insulation--mineral cellular:	
Calcium silicate block and pipe insulation	ASTM C533-95.
Cellular glass insulation . .	ASTM C552-00.
Expanded perlite block and pipe insulation	ASTM C610-99.
Insulation--organic cellular:	
Preformed flexible elastomeric cellular insulation in sheet and tubular form	ASTM C534-99.
Unfaced preformed rigid cellular polyurethane insulation	ASTM C591-00.
Insulation skirting . . . . .	Commercially available.

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

FIRE SAFETY REQUIREMENTS FOR INSULATING MATERIALS ACCORDING TO INSULATION USE

[Standards for conformance]

Attic floor . . . .	Insulation materials intended for exposed use in attic floors shall be capable of meeting the same smoldering combustion requirements given for cellulose insulation in ASTM <sup>1</sup> C739-00.
Enclosed space	Insulation materials intended for use within enclosed stud or joist spaces shall be capable of meeting the same smoldering combustion requirements given for cellulose insulation in ASTM C739-00.
Exposed interior walls and ceilings	Insulation materials, including those with combustible facings, which remain exposed and serve as wall or ceiling interior finish, shall have a flame spread classification not to exceed 150 (per ASTM E84-00a).
Exterior envelope walls and roofs	Exterior envelope walls and roofs containing thermal insulation shall meet applicable local government building code requirements for the complete wall or roof assembly.
Pipes, ducts, and equipment	Insulation materials intended for use on pipes, ducts, and equipment shall be capable of meeting a flame spread classification not to exceed 150 (per ASTM E84-00a).

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

STORM WINDOWS

[Standards for conformance]

Storm windows:	
All storm windows . .	AAMA/NWWDA <sup>1</sup> 101/I.S. 2-97.
Aluminum frame storm windows	AAMA <sup>2</sup> 1002.10-93.
Rigid vinyl frame storm windows	ASTM <sup>3</sup> D4726-00.
Frameless plastic glazing storm	Required minimum thickness for windows is 6 mil (0.006 inches). Commercially available.
Movable insulation systems for windows	

<sup>1</sup> AAMA/NWWDA indicates American Architectural Manufacturers Association/National Wood Window & Door Association (now the Window & Door Manufacturers Association).

<sup>2</sup> AAMA indicates American Architectural Manufacturers Association.

<sup>3</sup> ASTM indicates American Society for Testing and Materials.

REPLACEMENT WINDOWS

[Standards for conformance]

Replacement windows:	
All windows . . . . .	AAMA/NWWDA <sup>1</sup> 101/I.S. 2-97.
Steel frame windows	Steel Window Institute recommended specifications for steel windows, 1990.
Rigid vinyl frame windows	ASTM <sup>2</sup> D4726-00.

<sup>1</sup> AAMA/NWWDA indicates American Architectural Manufacturers Association/National Wood Window & Door Association (now the Window & Door Manufacturers Association).

<sup>2</sup> ASTM indicates American Society for Testing and Materials.

STORM DOORS

[Standards for conformance]

Storm doors:	
All storm (glass) doors	AAMA/NWWDA <sup>1</sup> 101/I.S. 2-97.
Aluminum frame storm doors	AAMA <sup>2</sup> 1102.7-89.
Sliding glass storm doors	AAMA 1002.10-93.
Rigid vinyl storm doors .	ASTM <sup>3</sup> D3678-97 and D4726-00..
Vestibules:	
Materials to construct vestibules	Commercially available.

<sup>1</sup> AAMA/NWWDA indicates American Architectural Manufacturers Association/National Wood Window & Door Association (now the Window & Door Manufacturers Association).

<sup>2</sup> AAMA indicates American Architectural Manufacturers Association.

<sup>3</sup> ASTM indicates American Society for Testing and Materials.

REPLACEMENT DOORS

[Standards for conformance]

Replacement doors:	
All replacement doors	AAMA/NWWDA <sup>1</sup> 101/I.S. 2-97.
Steel doors . . . . .	ANSI <sup>2</sup> A250.8-98.
Wood doors:	
Flush doors . . . .	ANSI/NWWDA <sup>3</sup> I.S. 1-97 (Amendment, exterior door provisions).
Stile and rail doors	NWWDA <sup>4</sup> I.S. 6-97.

<sup>1</sup> AAMA/NWWDA indicates American Architectural Manufacturers Association/National Wood Window & Door Association (now the Window & Door Manufacturers Association).

<sup>2</sup> ANSI indicates American National Standards Institute.

<sup>3</sup> ANSI/NWWDA indicates American National Standards Institute/National Wood Window & Door Association (now the Window & Door Manufacturers Association).

<sup>4</sup> NWWDA indicates National Wood Window & Door Association (now the Window & Door Manufacturers Association).

CAULKS AND SEALANTS

[Standards for conformance]

Caulks and sealants:	
Glazing compounds for metal sash	ASTM <sup>1</sup> C669-00.
Oil and resin base caulks	ASTM C570-00.
Acrylic (solvent types) sealants	ASTM C920-98e1.
Butyl rubber sealants	FS <sup>2</sup> Commercial Item Description A-A-272 (6/7/95).
Chlorosulfonated polyethylene sealants	ASTM C920-98e1.
Latex sealing compounds	ASTM C834-00e1.
Elastomeric joint sealants (normally considered to include polysulfide, polyurethane, and silicone)	ASTM C920-98e1.
Preformed gaskets and sealing materials	ASTM C509-00.
Duct sealing mastic	UL <sup>3</sup> 181A-M, Second Edition, 1994 and UL 181B-M, First Edition, 1995.

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

<sup>2</sup> FS indicates Federal Specifications.

<sup>3</sup> UL indicates Underwriters Laboratories.

### WEATHERSTRIPPING

[Standards for conformance]

Weatherstripping . . . . .	Commercially available. Selected according to the provisions cited in ASTM <sup>1</sup> C755-97. Permeance not greater than 1 perm when determined according to the desiccant method described in ASTM E96-00.
Vapor retarders . . . . .	
Items to improve attic ventilation	Commercially available.

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

### BOILER/FURNACE CONTROL SYSTEMS

[Standards for conformance]

Automatic set back thermostats	Listed by UL <sup>1</sup> . Conformance to NEMA <sup>2</sup> DC3-1989 (R1996).
Line voltage or low voltage room thermostats	Listed by UL. Conformance to NEMA DC3-1989 (R1996).
Clock thermostats . . . . .	Listed by UL. Conformance to NEMA DC3-1989 (R1996).
Automatic gas ignition systems	ANSI <sup>3</sup> Z21.21-2000. AGA <sup>4</sup> Laboratories Certification Seal.
Energy management systems	Listed by UL.
Hydronic boiler controls	Listed by UL.
Other burner controls . . .	Listed by UL.

<sup>1</sup> UL indicates Underwriters Laboratories.

<sup>2</sup> NEMA indicates National Electrical Manufacturers Association.

<sup>3</sup> ANSI indicates American National Standards Institute.

<sup>4</sup> AGA indicates American Gas Association.

### HEAT EXCHANGERS

[Standards for conformance]

Heat exchangers, water-to-water and steam-to-water	ASME <sup>1</sup> Boiler and Pressure Vessel Code, 1998, Sections II, V, VIII, IX, and X, as applicable to pressure vessels. Standards of Tubular Exchanger Manufacturers Association, Eighth Edition, 1999.
Heat exchangers with gas-fired appliances <sup>2</sup>	ANSI/UL <sup>3</sup> 462, Ninth Edition, approved by ANSI February 28, 1997.

<sup>1</sup> ASME indicates American Society for Mechanical Engineers.

<sup>2</sup> The heat reclaimer is for installation in a section of the vent connector from appliances equipped with draft hoods or appliances equipped with powered burners or induced draft and not equipped with a draft hood.

<sup>3</sup> ANSI/UL indicates American National Standards Institute/Underwriters Laboratories.

## WATER HEATER MODIFICATIONS

[Standards for conformance]

Insulate tank and distribution piping	(See insulation section of this appendix)
Install heat traps on inlet and outlet piping	Applicable local plumbing code.
Install/replace water heater heating elements	Listed by UL <sup>1</sup> .
Electric, freeze-prevention tape for pipes	Listed by UL.
Install stack damper, gas-fueled	ANSI <sup>2</sup> Z21.66-1996, including Exhibits A & B, and ANSI Z223.1-1999 (same as NFPA <sup>3</sup> 54-1999).
Install stack damper, oil-fueled	UL 17, Third Edition, 1994, NFPA 31-2001, NFPA 211-2000 (same as ANSI A52.1), and ANSI/NFPA 70-1999 (same as IEEE <sup>4</sup> National Electrical Code).
Install water flow modifiers	Commercially available.

<sup>1</sup> UL indicates Underwriters Laboratories.

<sup>2</sup> ANSI indicates American National Standards Institute.

<sup>3</sup> NFPA indicates National Fire Prevention Association.

<sup>4</sup> IEEE indicates Institute of Electrical and Electronics Engineers.

## REPLACEMENT WATER HEATERS

[Standards for conformance]

Electric (resistance) water heaters	10 CFR <sup>1</sup> 430 and UL <sup>3</sup> 174.
Heat pump water heaters	UL 1995, Second Edition, 1995. Electrical components to be listed by UL.
Gas water heaters: Rated $\leq 75$ kBtu/hr . .	10 CFR 430 and ANSI <sup>4</sup> Z21.10.1-1998.
Rated $\geq 75$ kBtu/hr . .	ANSI Z21.10.3-1998.
Oil water heaters . . . . .	UL 732, Fifth Edition, 1995.

<sup>1</sup> CFR indicates Code of Federal Regulations.

<sup>2</sup> UL indicates Underwriters Laboratories.

<sup>3</sup> ANSI indicates American National Standards Institute.

## SOLAR WATER HEATING SYSTEMS

[Standards for conformance]

Solar water heating systems including forced circulation, integral collector storage, thermo-syphon, and self-pumping systems	System must be certified per SRCC <sup>1</sup> OG 300, July 16, 1998.
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<sup>1</sup> SRCC indicates Solar Rating and Certification Corporation.

## WASTE HEAT RECOVERY DEVICES

[Standards for conformance]

Desuperheater/water heaters	ARI <sup>1</sup> 470-1995 and UL 1995, Second Edition, 1995.
Condensing heat exchangers	Commercially available components installed per manufacturers' specifications. NFPA <sup>2</sup> 211-2000 (same as ANSI A52.1) may apply in certain instances. See also the Heat Exchangers section of this appendix.
Heat pump water heating heat recovery systems	UL 1995, Second Edition, 1995. Electrical components to be listed by UL.
Energy recovery equipment	Energy Systems Analysis and Management, 1997 (SMACNA <sup>3</sup> ).

<sup>1</sup> ARI indicates Air Conditioning and Refrigeration Institute.

<sup>2</sup> NFPA indicates National Fire Prevention Association.

<sup>3</sup> SMACNA denotes Sheet Metal and Air Conditioning Contractors' National Association.

## BOILER REPAIR AND

		BOILER REPAIR AND MODIFICATIONS/EFFICIENCY IMPROVEMENTS—Continued	
		[Standards for conformance]	
Install gas conversion burners	ANSI <sup>1</sup> Z21.8-1994 (for gas- or oil-fired systems), ANSI Z21.17-1998, and ANSI Z223.1-1999 (same as NFPA 54-1999). AGA <sup>2</sup> Laboratories Certification Seal.	Replace heat exchangers, tubes	Protection from flame contact with conversion burners by refractory shield.
Replace oil burner . . . .	UL <sup>3</sup> 296, Ninth Edition, 1994 and NFPA 31-2001.	Install/replace thermostatic radiator valves	Commercially available. One-pipe steam systems require air vents on each radiator; see manufacturers' requirements.
Install burners (oil/gas)	ANSI Z223.1-1999 for gas equipment and NFPA <sup>4</sup> 31-2001 for oil equipment.	Install boiler duty cycle control system	Commercially available. ANSI/NFPA 70-1999 (same as IEEE National Electrical Code) and local electrical code provisions for wiring.
Re-adjust boiler water temperature or install automatic boiler temperature reset control	ASME <sup>5</sup> CSD-1-1998, ANSI Z223.1-1999, and NFPA 31-2001.		
Replace/modify boilers	ASME Boiler and Pressure Vessel Code, 1998, Section II, IV, V, VI, VIII, IX, and X. Boilers must be Hydronics Institute Division of GAMA equipment.		
Clean heat exchanger, adjust burner air shutter(s), check smoke no. on oil-fueled equipment. Check operation of pump(s) and replacement filters.	Per manufacturers' instructions.		
Replace combustion chambers	Refractory linings may be required for conversions.		

<sup>1</sup> ANSI indicates American National Standards Institute.  
<sup>2</sup> AGA indicates American Gas Association.  
<sup>3</sup> UL indicates Underwriters Laboratories.  
<sup>4</sup> NFPA indicates National Fire Prevention Association.  
<sup>5</sup> ASME indicates American Society for Mechanical Engineers.

HEATING AND COOLING SYSTEM REPAIRS AND  
TUNE-UPS/EFFICIENCY IMPROVEMENTS  
[Standards for conformance]

Install duct insulation . .	ASTM <sup>1</sup> C612-00 (see insulation sections of this appendix).
Reduce Input of burner; derate gas-fueled equipment	Local utility company and procedures if applicable for gas-fueled furnaces and ANSI <sup>2</sup> Z223.1-1999 (same as NFPA <sup>3</sup> 54-1999) including Appendix H.
Repair/replace oil-fired equipment	NFPA 31-2001.
Replace combustion chamber in oil-fired furnaces or boilers	NFPA 31-2001.
Clean heat exchanger and adjust burner; adjust air shutter and check CO <sub>2</sub> and stack temperature. Clean or replace air filter on forced air furnace	ANSI Z223.1-1999 (same as NFPA 54-1999) including Appendix H.
Install vent dampers for gas-fueled heating systems	Applicable sections of ANSI Z223.1-1999 (same as NFPA 54-1999) including Appendix H, I, J, and K. ANSI Z21.66-1996 and Exhibits A&B for electrically operated dampers.
Install vent dampers for oil-fueled heating systems	Applicable sections of NFPA 31-2001 for installation and in conformance with UL <sup>4</sup> 17, Third Edition, 1994.

HEATING AND COOLING SYSTEM REPAIRS AND  
TUNE-UPS/EFFICIENCY IMPROVEMENTS—Continued  
[Standards for conformance]

Reduce excess combustion air: A: Reduce vent connector size of gas-fueled appliances B: Adjust barometric draft regulator for oil fuels	ANSI Z223.1-1999 (same as NFPA 54-1999) part 9 and Appendices G & H. NFPA 31-2001 and per furnace and boiler manufacturers' instructions. ANSI Z21.71-1993.
Replace constant burning pilot with electric ignition device on gas-fueled furnaces or boilers	
Readjust fan switch on forced air gas-or oil-fueled furnaces	Applicable sections and Appendix H of ANSI Z223.1-1999 (same as NFPA 54-1999) for gas furnaces and NFPA 31-2001 for oil furnaces.
Replace burners . . . . .	See install burners (oil/gas).
Install/replace duct furnaces (gas)	ANSI Z223.1-1999 (same as NFPA 54-1999).
Install/replace heat pumps	ARI <sup>5</sup> 210/240-1994. UL 1995, Second Edition, 1995. Commercially available.
Replace air diffusers, intakes, registers, and grilles	
Install/replace warm air heating metal ducts	UL 181, Ninth Edition 1996, including UL 181A, Second Edition 1994 and 181B, First Edition, 1995.
Filter alarm units . . . . .	Commercially available.

<sup>1</sup> ASTM indicates American Society for Testing and Materials.

<sup>2</sup> ANSI indicates American National Standards Institute.

<sup>3</sup> NFPA indicates National Fire Prevention Association.

<sup>4</sup> UL indicates Underwriters Laboratories.

<sup>5</sup> ARI indicates Air Conditioning and Refrigeration Institute.

REPLACEMENT FURNACES, BOILERS, AND WOOD STOVES

[Standards for conformance]

Chimneys, fireplaces, vents and solid fuel burning appliances	NFPA <sup>1</sup> 211-2000 (same as ANSI <sup>2</sup> A52.1).
Gas-fired furnaces . . . . .	ANSI Z21.47-1998 and ANSI Z223.1-1999 (same as NFPA 54-1999).
Oil-fired furnaces . . . . .	UL <sup>3</sup> 727, Eighth Edition, 1994 and NFPA 31-2001.
Liquefied petroleum gas storage	NFPA 58-2001.
Ventilation fans: Including electric attic, ceiling, and whole-house fans	UL 507, Ninth Edition, 1999.

<sup>1</sup> NFPA indicates National Fire Prevention Association.  
<sup>2</sup> ANSI indicates American National Standards Institute.  
<sup>3</sup> UL indicates Underwriters Laboratories.

SCREENS, WINDOW FILMS, AND REFLECTIVE MATERIALS

[Standards for conformance]

Insect screens . . . . .	Commercially available.
Window films . . . . .	Commercially available.
Shade screens:	
Fiberglass shade screens	Commercially available.
Polyester shade screens	Commercially available.
Rigid awnings:	
Wood rigid awnings	Commercially available.
Metal rigid awnings .	Commercially available.
Louver systems:	
Wood louver awnings	Commercially available.
Metal louver awnings	Commercially available.
Industrial-grade white paint used as a heat-reflective measure on roofs, awnings, window louvers, doors, and exterior duct work (exposed)	Commercially available.

AIR CONDITIONERS AND COOLING EQUIPMENT

[Standards for conformance]

Air conditioners: Central air conditioners Room size units . . . . .	ARI <sup>1</sup> 210/240-1994. ANSI/AHAM <sup>2</sup> RAC 1-1992.
Other cooling equipment: Including evaporative coolers, heat pumps, and other equipment	UL <sup>3</sup> 1995, Second Edition, 1995.

<sup>1</sup> ARI indicates Air Conditioning and Refrigeration Institute.  
<sup>2</sup> ANSI/AHAM indicates American National Standards Institute/Association of Home Appliance Manufacturers.  
<sup>3</sup> UL indicates Underwriters Laboratories.

REFRIGERATORS

[Standards for conformance]

Refrigerator/freezers (does not include freezer-only units)	UL <sup>1</sup> 250. Replaced units must be disposed of properly per Clean Air Act 1990, Section 608, as amended by 40 CFR <sup>2</sup> 82, May 14, 1993.
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<sup>1</sup> UL indicates Underwriters Laboratories.  
<sup>2</sup> CFR indicates Code of Federal Regulations.

FLUORESCENT LAMPS AND FIXTURES

[Standards for conformance]

Compact fluorescent lamps	ANSI/UL <sup>1</sup> 542, Seventh Edition, February 6, 1997 and UL 1993, First Edition, 1993.
Fluorescent lighting fixtures	UL 1570, Fourth Edition, 1995.

<sup>1</sup> ANSI/UL indicates American National Standards Institute/Underwriters Laboratories.