A Member of the International Code Family®

INTERNATIONAL MECHANICAL CODE®

2006

2006 International Mechanical Code®

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PREFACE

Introduction

Internationally, code officials recognize the need for a modern, up-to-date mechanical code addressing the design and installation of mechanical systems emphasizing performance. The *International Mechanical Code*®, in this 2006 edition, is designed to meet these needs through model code regulations that safeguard the public health and safety in all communities, large and small.

This comprehensive mechanical code establishes minimum regulations for mechanical systems using prescriptive and performance-related provisions. It is founded on broad-based principles that make possible the use of new materials and new mechanical system designs. This 2006 edition is fully compatible with all the *International Codes*® (I-Codes®) published by the International Code Council (ICC)®, including the *International Building Code*®, ICC *Electrical Code*®, *International Energy Conservation Code*®, *International Existing Building Code*®, *International Fire Code*®, *International Fuel Gas Code*®, ICC *Performance Code*®, *International Plumbing Code*®, *International Private Sewage Disposal Code*®, *International Property Maintenance Code*®, *International Residential Code*®, *International Wildland-Urban Interface Code*™ and *International Zoning Code*®.

The *International Mechanical Code* provisions provide many benefits, among which is the model code development process that offers an international forum for mechanical professionals to discuss performance and prescriptive code requirements. This forum provides an excellent arena to debate proposed revisions. This model code also encourages international consistency in the application of provisions.

Development

The first edition of the *International Mechanical Code* (1996) was the culmination of an effort initiated in 1995 by a development committee appointed by the International Code Council (ICC) and consisting of representatives of the three statutory members of the ICC at that time, including: Building Officials and Code Administrators International, Inc. (BOCA), International Conference of Building Officials (ICBO) and Southern Building Code Congress International (SBCCI). The intent was to draft a comprehensive set of regulations for mechanical systems consistent with and inclusive of the scope of the existing model codes. Technical content of the latest model codes promulgated by BOCA, ICBO and SBCCI was utilized as the basis for the development. This 2006 edition presents the code as originally issued, with changes reflected in subsequent editions through 2003, and with changes approved through the ICC Code Development Process through 2005. A new edition such as this is promulgated every three years.

This code is founded on principles intended to establish provisions consistent with the scope of a mechanical code that adequately protects public health, safety and welfare; provisions that do not unnecessarily increase construction costs; provisions that do not restrict the use of new materials, products or methods of construction; and provisions that do not give preferential treatment to particular types or classes of materials, products or methods of construction.

Adoption

The *International Mechanical Code* is available for adoption and use by jurisdictions internationally. Its use within a governmental jurisdiction is intended to be accomplished through adoption by reference in accordance with proceedings establishing the jurisdiction's laws. At the time of adoption, jurisdictions should insert the appropriate information in provisions requiring specific local information, such as the name of the adopting jurisdiction. These locations are shown in bracketed words in small capital letters in the code and in the sample ordinance. The sample adoption ordinance on page v addresses several key elements of a code adoption ordinance, including the information required for insertion into the code text.

Maintenance

The *International Mechanical Code* is kept up to date through the review of proposed changes submitted by code enforcing officials, industry representatives, design professionals and other interested parties. Proposed changes are carefully considered through an open code development process in which all interested and affected parties may participate.

The contents of this work are subject to change both through the Code Development Cycles and the governmental body that enacts the code into law. For more information regarding the code development process, contact the Code and Standard Development Department of the International Code Council.

While the development procedure of the *International Mechanical Code* assures the highest degree of care, ICC, its members and those participating in the development of this code do not accept any liability resulting from compliance or noncompliance with the provisions because ICC and its founding members do not have the power or authority to police or enforce compliance with the contents of this code. Only the governmental body that enacts the code into law has such authority.

Letter Designations in Front of Section Numbers

In each code development cycle, proposed changes to this code are considered at the Code Development Hearings by the ICC Plumbing Code Development Committee, whose action constitutes a recommendation to the voting membership for final action on the proposed change. Proposed changes to a code section that has a number beginning with a letter in brackets are considered by a different code development committee. For example, proposed changes to code sections that have the letter [B] in front (e.g. [B] 601.2), are considered by the International Building Code Development Committee at the Code Development Hearing.

The content of sections in this code that begin with a letter designation are maintained by another code development committee in accordance with the following:

[B] = International Building Code Development Committee;

[EC] = International Energy Conservation Code Development Committee;

[FG] = International Fuel Gas Code Development Committee; and

[F] = International Fire Code Development Committee.

Marginal Markings

Solid vertical lines in the margins within the body of the code indicate a technical change from the requirements of the 2003 edition. Deletion indicators in the form of an arrow (➡) are provided in the margin where an entire section, paragraph, exception or table has been deleted or an item in a list of items or in a table has been deleted.

ORDINANCE

The *International Codes* are designed and promulgated to be adopted by reference by ordinance. Jurisdictions wishing to adopt the 2006 *International Mechanical Code* as an enforceable regulation governing mechanical systems should ensure that certain factual information is included in the adopting ordinance at the time adoption is being considered by the appropriate governmental body. The following sample adoption ordinance addresses several key elements of a code adoption ordinance, including the information required for insertion into the code text.

SAMPLE ORDINANCE FOR ADOPTION OF THE INTERNATIONAL MECHANICAL CODE ORDINANCE NO._____

An ordinance of the **[JURISDICTION]** adopting the 2006 edition of the *International Mechanical Code*, regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems in the **[JURISDICTION]**; providing for the issuance of permits and collection of fees therefor; repealing Ordinance No. _____ of the **[JURISDICTION]** and all other ordinances and parts of the ordinances in conflict therewith.

The **[GOVERNING BODY]** of the **[JURISDICTION]** does ordain as follows:

Section 1.That a certain document, three (3) copies of which are on file in the office of the **[TITLE OF JURISDICTION'S KEEPER OF RECORDS]** of **[NAME OF JURISDICTION]**, being marked and designated as the *International Mechanical Code*, 2006 edition, including Appendix Chapters **[FILL IN THE APPENDIX CHAPTERS BEING ADOPTED]** (see *International Mechanical Code* Section 101.2.1, 2006 edition), as published by the International Code Council, be and is hereby adopted as the Mechanical Code of the **[JURISDICTION]**, in the State of **[STATE NAME]** regulating and governing the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Mechanical Code on file in the office of the **[JURISDICTION]** are hereby referred to, adopted, and made a part hereof, as if fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

Section 2.The following sections are hereby revised:

Section 101.1. Insert: **[NAME OF JURISDICTION]**

Section 106.5.2. Insert: **[APPROPRIATE SCHEDULE]**

Section 106.5.3. Insert: **[PERCENTAGES IN TWO LOCATIONS]**

Section 108.4. Insert: **[OFFENSE, DOLLAR AMOUNT, NUMBER OF DAYS]**

Section 108.5. Insert: **[DOLLAR AMOUNT IN TWO LOCATIONS]**

Section 3.That Ordinance No. _____ of **[JURISDICTION]** entitled **[FILL IN HERE THE COMPLETE TITLE OF THE ORDINANCE OR ORDINANCES IN EFFECT AT THE PRESENT TIME SO THAT THEY WILL BE REPEALED BY DEFINITE MENTION]** and all other ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 4.That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The [GOVERNING BODY] hereby declares that it would have passed this ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

Section 5.That nothing in this ordinance or in the *Mechanical Code* hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 3 of this ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this ordinance.

Section 6. That the **[JURISDICTION'S KEEPER OF RECORDS]** is hereby ordered and directed to cause this ordinance to be published. (An additional provision may be required to direct the number of times the ordinance is to be published and to specify that it is to be in a newspaper in general circulation. Posting may also be required.)

Section 7.That this ordinance and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force and effect **[TIME PERIOD]** from and after the date of its final passage and adoption.

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CHAPTER 15
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 102.8.

ACCA

Air Conditioning Contractors of America
1712 New Hampshire Ave, NW
Washington, DC 20009

Standard Reference Number	Title	Referenced in code section number
Manual D—95	Residential Duct Systems	603.2

ANSI

American National Standards Institute
11 West 42nd Street
New York, NY 10036

Standard reference number	Title	Referenced in code section number
Z21.8—1994 (R2002)	Installation of Domestic Gas Conversion Burners	919.1

ARI

Air-Conditioning and Refrigeration Institute
Suite 425
4301 North Fairfax Drive
Arlington, VA 22203

Standard Reference Number	Title	Referenced in code section number
700—99	Purity Specifications for Fluorocarbon and Other Refrigerants	1102.2.2.3

ASHRAE

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

Standard Reference Number	Title	Referenced in code section number
ASHRAE—2001	ASHRAE Fundamentals Handbook—2001	312.1, 603.2
15—2001	Safety Standard for Refrigeration Systems	1101.6, 1105.8, 1108.1
34—2004	Designation and Safety Classification of Refrigerants	202, 1102.2.1, 1103.1
ASHRAE—2000	HVAC Systems and Equipment Handbook—2000	312.1

ASME

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

Standard Reference Number	Title	Referenced in code section number
B1.20.1—1983 (R2001)	Pipe Threads, General Purpose (Inch)	1203.3.5, 1303.3.3
B16.3—1998	Malleable Iron Threaded Fittings, Classes 150 & 300	Table 1202.5
B16.5—1996	Pipe Flanges and Flanged Fittings NPS ½ through NPS 24—With B16.5a-1998 Addenda	Table 1202.5

ASME—continued

B16.9—2003	Factory Made Wrought Steel Buttwelding Fittings	Table 1202.5
B16.11—2001	Forged Fittings, Socket-welding and Threaded.	Table 1202.5
B16.15—1985(R1994)	Cast Bronze Threaded Fittings	Table 1202.5
B16.18—2001	Cast Copper Alloy Solder Joint Pressure Fittings	513.13.1, Table 1202.5
B16.22—2001	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings—with B16.22a-1998 Addenda	513.13.1, Table 1202.5
B16.23—2002	Cast Copper Alloy Solder Joint Drainage Fittings DWV	Table 1202.5
B16.24—2001	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	Table 1202.5
B16.26—1988	Cast Copper Alloy Fittings for Flared Copper Tubes	Table 1202.5
B16.28—1994	Wrought Steel Buttwelding Short Radius Elbows and Returns	Table 1202.5
B16.29—2001	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings-DWV	Table 1202.5
BPVC—2004	Boiler & Pressure Vessel Code (Sections I, II, IV, V & VI)	1004.1, 1011.1
CSD-1—2002	Controls and Safety Devices for Automatically Fired Boilers	1004.1

ASSE

American Society of Sanitary Engineering
28901 Clemens Road, Suite A
Westlake, OH 44145

Standard Reference Number	Title	Referenced in code section number
1017—99	Performance Requirements for Temperature Actuated Mixing Values for Hot Water Distribution Systems	1002.2.2

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428

Standard Reference Number	Title	Referenced in code section number
A 53/A 53M—02	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	Table 1202.4, Table 1302.3
A 106—04	Specification for Seamless Carbon Steel Pipe for High-temperature Service	Table 1202.4, Table 1302.3
A 126—04	Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings	Table 1202.5
A 254—97 (2002)	Specification for Copper Brazed Steel Tubing	Table 1202.4, Table 1302.3
A 420/A 420M—04	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-temperature Service	Table 1202.5
A 539—99	Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines	Table 1302.3
B 32—03	Specification for Solder Metal	1203.3.3
B 42—02e01	Specification for Seamless Copper Pipe, Standard Sizes	513.13.1, 1107.4.2, Table 1202.4, Table 1302.3
B 43—04	Specification for Seamless Red Brass Pipe, Standard Sizes	513.13.1, 1107.4.2, Table 1202.4, Table 1302.3
B 68—02	Specification for Seamless Copper Tube, Bright Annealed	513.13.1
B 75—02	Specification for Seamless Copper Tube	Table 1202.4, Table 1302.3
B 88—03	Specification for Seamless Copper Water Tube	513.13.1, 1107.4.3, Table 1202.4, Table 1302.3
B 135—02	Specification for Seamless Brass Tube.	Table 1202.4, Table 1302.3
B 251—02e01	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	513.13.1, Table 1202.4
B 280—03	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	513.13.1, 1107.4.3, Table 1302.3
B 302—02	Specification for Threadless Copper Pipe, Standard Sizes	Table 1202.4, Table 1302.3
B 813—00e01	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	1203.3.3
C 315—02	Specification for Clay Flue Linings	801.16.1, Table 803.10.4
C 411—97	Test Method for Hot-surface Performance of High-temperature Thermal Insulation	604.3
D 56—02a	Test Method for Flash Point by Tag Closed Tester	202
D 93—02a	Test Method for Flash Point of Pensky-Martens Closed Cup Tester	202
D 1527—99e01	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80	Table 1202.4
D 1693—01	Test Method for Environmental Stress-cracking of Ethylene Plastics	Table 1202.4
D 1785—04	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80 and 120	Table 1202.4
D 2235—01	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	1203.3.4
D 2241—04a	Specification for Poly (Vinyl Chloride)(PVC) Pressure-rated Pipe (SDR-Series)	Table 1202.4

ASTM—continued

D 2282—99e01	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)	Table 1202.4
D 2412—02	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading	603.8.3
D 2447—03	Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter	Table 1202.4
D 2466—02	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 40	Table 1202.5
D 2467—04	Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe Fittings, Schedule 80	Table 1202.5
D 2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40	Table 1202.5
D 2513—04a	Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings	Table 1202.4, 1203.15.3
D 2564—02	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	1203.3.4
D 2683—98	Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing	Table 1202.4, 1203.15.1
D 2837—04	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials	Table 1202.4
D 2846/D 2846M—99	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems	Table 1202.4, 1203.3.4
D 2996—01	Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe	Table 1302.3
D 3035—03a	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	Table 1202.4
D 3278—96el	Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus	202
D 3309—96a(2002)	Specification for Polybutylene (PB) Plastic Hot and Cold Water Distribution Systems	Table 1202.4, 1203.10.1
D 3350—02a	Specification for Polyethylene Plastics Pipe and Fittings Materials	Table 1202.4
E 84—04	Test Method for Surface Burning Characteristics of Building Materials	202, 510.8, 602.2.1, 602.2.1.5, 604.3, 1204.1
E 119—00e	Test Method for Fire Tests of Building Construction and Materials	607.5.2, 607.6.2
E 136—99e01	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	202
E 814—02	Test Method for Fire Tests of Through-penetration Fire Stops	506.3.10
E 1509-04	Specification for Room Heaters, Pellet Fuel-burning Type	904.1
E 2231-02	Standard Practice For Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics	604.3, 1204.1
E 2336-04	Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems	506.3.10
F 438—04	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	Table 1202.5
F 439—02e01	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	Table 1202.5
F 441/F 441M—02	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	Table 1202.4
F 442/F 442M—99	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	Table 1202.4
F 493—04	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	1203.3.4
F 876—04	Specification for Crosslinked Polyethylene (PEX) Tubing	Table 1202.4
F 877—02ae01	Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems	Table 1202.4, Table 1202.5
F 1055—98e01	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing	Table 1202.4, 1203.15.2
F 1281—03	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	Table 1202.4
F 1476-95a	Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications	1203.3.7
F 1974—04	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	Table 1202.5

AWS

American Welding Society
550 N.W. LeJeune Road
P.O. Box 351040
Miami, FL 33135

Standard Reference Number	Title	Referenced in code section number
A5.8—2004	Specifications for Filler Metals for Brazing and Braze Welding	1203.3.1, 1303.3.1

CSA

Canadian Standards Association
178 Rexdale Blvd.
Rexdale (Toronto), Ontario, Canada M9W 1R3

Standard Reference Number	Title	Referenced in code section number
CAN/CSA B137.10M—99	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe Systems	Table 1202.4
CSA America FC1-03	Stationary Fuel Cell Power Systems	924.1

DOL

Department of Labor
Occupational Safety and Health Administration
c/o Superintendent of Documents
US Government Printing Office
Washington, DC 20402-9325

Standard Reference Number	Title	Referenced in code section number
29 CFR Part 1910.1000 (1974)	Air Contaminants	502.6
29 CFR Part 1910. 1025	Toxic and Hazardous Substances	502.19

FS

Federal Specifications*
General Services Administration
7th & D Streets
Specification Section, Room 6039
Washington, DC 20407

Standard Reference Number	Title	Referenced in code section number
WW-P-325B (1976)	Pipe, Bends, Traps, Caps and Plugs; Lead (for Industrial Pressure and Soil and Waste Applications	Table 1202.4

* Standards are available from the Supt. of Documents, U.S. Government Printing Office, Washington, DC 20402-9325.

ICC

International Code Council, Inc.
500 New Jersey Ave, NW
6th Floor
Washington, D.C. 20001

Standard Reference Number	Title	Referenced in code section number
IBC—06	International Building Code®	201.3, 202, 301.12, 301.12, 301.14, 301.15, 302.1, 302.2, 304.7, 304.10, 308.8, 308.10, 401.4, 401.6, 406.1, 502.10, 502.10.1, 504.2, 506.3.3, 506.3.10, 506.3.12.2, 506.4.1, 509.1, 510.6, 510.6.3, 510.6.2, 510.7, 511.1.5, 513.1, 513.2, 513.3, 513.4.3, 513.5, 513.5.2, 513.5.2.1, 513.6.2, 513.10.5, 513.12, 513.12.2, 513.20, 602.2.1.5.1, 602.2.1.5.2, 602.3, 603.1, 603.10, 604.5.4, 607.1.1, 607.3.2.1, 607.5.1, 607.5.2, 607.5.3, 607.5.4, 607.5.4.1, 607.5.5, 607.5.5.1, 607.6, 607.6.2, 701.4.1, 701.4.2, 801.3, 801.16.1, 801.18.4, 902.1, 908.3, 908.4, 910.3, 925.1, 1004.6, 1105.1, 1206.4, 1402.4, 1402.4.1
ICC EC—06	ICC Electrical Code®—Administrative Provisions	201.3, 301.7, 306.3.1, 306.4.1, 511.1.1, 513.11, 513.12.1, 602.2.1.1, 1106.3, 1106.4
IEBC—06	International Existing Building Code®	101.2
IECC—06	International Energy Conservation Code®	202, 301.2, 303.3, 312.1, 603.9, 604.1, 1204.1, 1204.2
IFC—06	International Fire Code®	201.3, 310.1, 311.1, 502.4, 502.5, 502.7.2, 502.8.1, 502.9.5, 502.9.5.2, 502.9.5.3, 502.9.8.2, 502.9.8.3, 502.9.8.5, 502.9.8.6, 502.10, 502.10.3, 502.16.2, 509.1, 510.2.1, 510.2.2, 510.4, 511.1.1 513.12.3, 513.15, 513.16, 513.17, 513.18, 513.19, 513.20.2, 513.20.3, 606.2.1, 908.7, 1101.9, 1105.3, 1106.5, 1106.6, 1301.1, 1301.2
IFGC—06	International Fuel Gas Code®	101.2, 201.3, 301.3, 701.1, 801.1, 901.1, 906.1, 1101.5
IPC—06	International Plumbing Code®	201.3, 301.8, 512.2, 908.5, 1002.1, 1002.2, 1002.3, 1005.2, 1006.6, 1008.2, 1009.3, 1101.4, 1201.1, 1206.2, 1206.3, 1401.2
IRC—06	International Residential Code®	101.2

IIAR

International Institute of Ammonia Refrigeration
Suite 700
1101 Connecticut Ave., NW
Washington, DC 20036

Standard Reference Number	Title	Referenced in code section number
2—99	Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	1101.6

MSS

Manufacturers Standardization Society of the Valve & Fittings Industry, Inc.
127 Park Street, N.E.
Vienna, VA 22180

Standard Reference Number	Title	Referenced in code section number
SP-69—2002	Pipe Hangers and Supports—Selection and Application	305.4

NAIMA

North American Insulation Manufacturers Association
Suite 310
44 Canal Center Plaza
Alexandria, VA 22314

Standard Reference Number	Title	Referenced in code section number
AH116—02	Fibrous Glass Duct Construction Standards	603.5, 603.9

NFPA

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269

Standard Reference Number	Title	Referenced in code section number
30A—00	Code for Motor Fuel-dispensing Facilities and Repair Garages	304.5
31—01	Installation of Oil-burning Equipment	801.2.1, 801.18.1, 801.18.2, 920.2, 922.1, 1308.1
37—02	Stationary Combustion Engines and Gas Turbines	915.1, 915.2
58—04	Liquefied Petroleum Gas Code	502.9.10
69—02	Explosion Prevention Systems	510.8.3
72—02	National Fire Alarm Code	606.3
82—04	Incinerators and Waste and Linen Handling Systems and Equipment	601.1
91—99	Exhaust Systems for Air Conveying of Vapors, Gases, Mists and Noncombustible Particulate Solids	502.9.5.1, 502.17
92B-05	Smoke Management Systems in Malls, Atria and Large Spaces	513.8
211—03	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	806.1
262—02	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-handling Spaces	602.2.1.1
704—01	Identification of the Hazards of Materials for Emergency Response	502.8.4, Table 1103.1, 510.1
853—03	Installatin of Stationary Fuel Power Plants	924.1
8501—97	Single Burner Boiler Operation	1004.1
8502—99	Prevention of Furnace Explosions/Implosions in Multiple Burner Boiler-furnaces	1004.1
8504—96	Atmospheric Fluidized-bed Boiler Operation	1004.1

SMACNA

Sheet Metal & Air Conditioning Contractors National Assoc., Inc.
4021 Fafayette Center Road
Chantilly, VA 22021

Standard Reference Number	Title	Referenced in code section number
SMACNA—95	HVAC Duct Construction Standards—Metal and Flexible	603.4, 603.9
SMACNA—03	Fibrous Glass Duct Construction Standards	603.5, 603.9

UL

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

Standard Reference Number	Title	Referenced in code section number
17—94	Vent or Chimney Connector Dampers for Oil-fired Appliances—with Revisions through September 1998	803.6
103—01	Factory-built Chimneys, Residential Type and Building Heating Appliance—with Revisions through March 1999	805.2
127—96	Factory-built Fireplaces—with Revisions through November 1999	805.3, 903.1, 903.3
174—04	Household Electric Storage Tank Water Heaters—with Revisions through October 1999	1002.1
181—96	Factory-made Air Ducts and Air Connectors—with Revisions through December 1998	512.2, 603.5, 603.6.1, 603.6.2, 604.13
181A—95	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with Revisions through December 1998	603.9
181B—98	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with Revisions through December 1998	603.9
207—01	Refrigerant-containing Components and Accessories, Nonelectrical—with Revisions through October 1997	1101.2
268—96	Smoke Detectors for Fire Prevention Signaling Systems—with Revisions through January 1999	606.1
268A—98	Smoke Detectors for Duct Applications—with Revisions through September 2001	606.1
343—97	Pumps for Oil-Burning Appliances—with Revisions through May 2002	1302.7
391—95	Solid-fuel and Combination-fuel Central and Supplementary Furnaces—with Revisions through May 1999	918.1
412—04	Refrigeration Unit Coolers—with Revisions through November 1998	1101.2
471—95	Commercial Refrigerators and Freezers—with Revisions through April 1998	1101.2
508—99	Industrial Control Equipment	307.2.3
536—97	Flexible Metallic Hose—with Revisions through June 2003	1302.8
555—99	Fire Dampers—with Revisions through January 2002	607.3
555C—96	Ceiling Dampers	607.3, 607.6.2.1
555S—99	Smoke Dampers—with Revisions through April 2003	607.3, 607.3.1.1
586—96	High-efficiency, Particulate, Air Filter Units—with Revisions through August 2004	605.2
641—95	Type L Low-temperature Venting Systems—with Revisions through April 1999	802.1
710—95	Exhaust Hoods for Commercial Cooking Equipment—with Revisions through April 1999	507.1
710B—04	Recirculating Systems	507.1
726—98	Oil-fired Boiler Assemblies—with Revisions through January 2001	916.1, 1004.1
727—98	Oil-fired Centeral Furnaces—with Revisions through January 1999	918.1
729—03	Oil-fired Floor Furnaces—with Revisions through January 1999	910.1
730—03	Oil-fired Wall Furnaces—with Revisions through January 1999	909.1
731—95	Oil-fired Unit Heaters—with Revisions through May 2004	920.1
732—95	Oil-fired Storage Tank Water Heaters—with Revisions through January 1999	1002.1
737—96	Fireplace Stoves—with Revisions through January 2000	905.1
762—03	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances	506.5.1
791—93	Residential Incinerators—with Revisions through May 1998	907.1
834—04	Heating, Water Supply and Power Boilers Electric—with Revisions through November 1998	1004.1
867—00	Electrostatic Air Cleaners—with Revisions through May 2004	605.2
896—93	Oil-burning Stoves—with Revisions through May 2004	917.1, 922.1
900—94	Air Filter Units—with Revisions through October 1999	605.2
959—01	Medium Heat Appliance Factory-built Chimneys	805.5
1240—94	Electric Commercial Clothes Drying Equipment—with Revisions through May 2000	913.1
1261—01	Electric Water Heaters for Pools and Tubs—with Revisions through June 2004	916.1
1453—04	Electronic Booster and Commercial Storage Tank Water Heaters	1002.1
1482—98	Solid-fuel Type Room Heaters—with Revisions through January 2000	905.1
1777—04	Chimney Liners	801.16.1, 801.18.4
1820—97	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics—with Revisions through March 1999	602.2.1.3
1887—96	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics—with Revisions through June 1999	602.2.1.2
1978—95	Grease Ducts	506.3.2
1995—98	Heating and Cooling Equipment—with Revisions through August 1999	911.1, 918.1, 918.3, 1101.2
2043—96	Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-handling Spaces—with Revisions through June 2001	602.2.1.4
2158—97	Outline of Investigation Electric Clothes Dryer—with Revisions through May 2004	913.1
2162—01	Outline of Investigation for Commercial Wood-fired Baking Ovens—Refractory Type	917.1
2221—01	Tests of Fire Resistive Grease Duct Enclosure Systems	506.3.10