

A Member of the International Code Family®



INTERNATIONAL BUILDING CODE®

2006

2006 International Building Code®

First Printing: January 2006

ISBN-13: 978-1-58001-251-5 (soft)
ISBN-10: 1-58001-251-5 (soft)
ISBN-13: 978-1-58001-250-8 (loose-leaf)
ISBN-10: 1-58001-250-7 (loose-leaf)
ISBN-13: 978-1-58001-302-4 (e-document)
ISBN-10: 1-58001-302-3 (e-document)

COPYRIGHT © 2006
by
INTERNATIONAL CODE COUNCIL, INC.

ALL RIGHTS RESERVED. This 2006 *International Building Code*® is a copyrighted work owned by the International Code Council, Inc. Without advance written permission from the copyright owner, no part of this book may be reproduced, distributed, or transmitted in any form or by any means, including, without limitation, electronic, optical or mechanical means (by way of example and not limitation, photocopying, or recording by or in an information storage retrieval system). For information on permission to copy material exceeding fair use, please contact: Publications, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795. Phone 1-888-ICC-SAFE (422-7233).

Trademarks: “International Code Council,” the “International Code Council” logo and the “International Building Code” are trademarks of the International Code Council, Inc.

PRINTED IN THE U.S.A.

PREFACE

Introduction

Internationally, code officials recognize the need for a modern, up-to-date building code addressing the design and installation of building systems through requirements emphasizing performance. The *International Building 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 building code establishes minimum regulations for building systems using prescriptive and performance-related provisions. It is founded on broad-based principles that make possible the use of new materials and new building designs. This 2006 edition is fully compatible with all the *International Codes*[®] (I-Codes[®]) published by the International Code Council (ICC)[®], including the ICC *Electrical Code*[®], *International Energy Conservation Code*[®], *International Existing Building Code*[®], *International Fire Code*[®], *International Fuel Gas Code*[®], *International Mechanical 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 Building Code* provisions provide many benefits, among which is the model code development process that offers an international forum for building 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 Building Code* (2000) was the culmination of an effort initiated in 1997 by the ICC. This included five drafting subcommittees appointed by ICC and consisting of representatives of the three statutory members of the International Code Council 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 building 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, followed by public hearings in 1997, 1998 and 1999 to consider proposed changes. This 2006 edition presents the code as originally issued, with changes reflected in the 2003 edition and further 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 building 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 Building 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 Building 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 Building 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 does 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 the code are considered at the Code Development Hearings by the ICC Fire 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 [F] in front of them (e.g. [F] 903.1.1.1) are considered by the ICC Fire Code Development Committee at the code development hearings.

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:

- [E] = International Energy Conservation Code Development Committee;
- [EB] = International Existing Building Code Development Committee;
- [EL] = ICC Electrical Code Development Committee;
- [F] = International Fire Code Development Committee;
- [FG] = International Fuel Gas Code Development Committee;
- [M] = International Mechanical Code Development Committee; and
- [P] = International Plumbing 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 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 Building Code* as an enforceable regulation governing structures and premises 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 BUILDING CODE ORDINANCE NO. _____

An ordinance of the [JURISDICTION] adopting the 2006 edition of the *International Building Code*, regulating and governing the conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures 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 Building Code*, 2006 edition, including Appendix Chapters [FILL IN THE APPENDIX CHAPTERS BEING ADOPTED] (see *International Building Code* Section 101.2.1, 2006 edition), as published by the International Code Council, be and is hereby adopted as the Building Code of the [JURISDICTION], in the State of [STATE NAME] for regulating and governing the conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures 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 Building 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 1612.3. Insert: [NAME OF JURISDICTION]

Section 1612.3. Insert: [DATE OF ISSUANCE]

Section 3410.2. Insert: [DATE IN ONE LOCATION]

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 Building 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.

TABLE OF CONTENTS

CHAPTER 1 ADMINISTRATION 1

Section

101	General	1
102	Applicability	1
103	Department of Building Safety	2
104	Duties and Powers of Building Official	2
105	Permits	3
106	Construction Documents	5
107	Temporary Structures and Uses	6
108	Fees	6
109	Inspections	7
110	Certificate of Occupancy	7
111	Service Utilities	8
112	Board of Appeals	8
113	Violations	8
114	Stop Work Order	9
115	Unsafe Structures and Equipment	9

CHAPTER 2 DEFINITIONS 11

Section

201	General	11
202	Definitions	11

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION 23

Section

301	General	23
302	Classification	23
303	Assembly Group A	23
304	Business Group B	24
305	Educational Group E	24
306	Factory Group F	24
307	High-hazard Group H	25
308	Institutional Group I	33
309	Mercantile Group M	34
310	Residential Group R	34
311	Storage Group S	35
312	Utility and Miscellaneous Group U	35

CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY 37

Section

401	Scope	37
402	Covered Mall Buildings	37
403	High-rise Buildings	40
404	Atriums	41
405	Underground Buildings	42
406	Motor-vehicle-related Occupancies	43
407	Group I-2	47
408	Group I-3	48
409	Motion Picture Projection Rooms	49
410	Stages and Platforms	50
411	Special Amusement Buildings	52
412	Aircraft-related Occupancies	52
413	Combustible Storage	54
414	Hazardous Materials	55
415	Groups H-1, H-2, H-3, H-4 and H-5	58
416	Application of Flammable Finishes	71
417	Drying Rooms	72
418	Organic Coatings	72
419	Group I-1, R-1, R-2, R-3	72
420	Hydrogen Cutoff Rooms	72

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS 75

Section

501	General	75
502	Definitions	75
503	General Height and Area Limitations	75
504	Height	75
505	Mezzanines	77
506	Area Modifications	78
507	Unlimited Area Buildings	79
508	Mixed Use and Occupancy	80
509	Special Provisions	82

CHAPTER 6 TYPES OF CONSTRUCTION 85

Section

601	General	85
602	Construction Classification	85

TABLE OF CONTENTS

603 Combustible Material in Type I and II Construction 86

CHAPTER 7 FIRE-RESISTANCE-RATED CONSTRUCTION 89

Section

701 General 89
 702 Definitions 89
 703 Fire-resistance Ratings and Fire Tests 90
 704 Exterior Walls 91
 705 Fire Walls 94
 706 Fire Barriers 96
 707 Shaft Enclosures 97
 708 Fire Partitions 100
 709 Smoke Barriers 101
 710 Smoke Partitions 101
 711 Horizontal Assemblies 102
 712 Penetrations 102
 713 Fire-resistant Joint Systems 105
 714 Fire-resistance Rating of Structural Members 105
 715 Opening Protectives 106
 716 Ducts and Air Transfer Openings 110
 717 Concealed Spaces 113
 718 Fire-resistance Requirements for Plaster 115
 719 Thermal- and Sound-insulating Materials 115
 720 Prescriptive Fire Resistance 116
 721 Calculated Fire Resistance 136

CHAPTER 8 INTERIOR FINISHES 165

Section

801 General 165
 802 Definitions 165
 803 Wall and Ceiling Finishes 165
 804 Interior Floor Finish 167
 805 Combustible Materials in Type I and II Construction 168
 806 Decorative Materials and Trim 168

CHAPTER 9 FIRE PROTECTION SYSTEMS 171

Section

901 General 171
 902 Definitions 171
 903 Automatic Sprinkler Systems 174
 904 Alternative Automatic Fire-extinguishing Systems 178

905 Standpipe Systems 180
 906 Portable Fire Extinguishers 182
 907 Fire Alarm and Detection Systems 182
 908 Emergency Alarm Systems 189
 909 Smoke Control Systems 190
 910 Smoke and Heat Vents 197
 911 Fire Command Center 199
 912 Fire Department Connections 199

CHAPTER 10 MEANS OF EGRESS 201

Section

1001 Administration 201
 1002 Definitions 201
 1003 General Means of Egress 202
 1004 Occupant Load 203
 1005 Egress Width 204
 1006 Means of Egress Illumination 205
 1007 Accessible Means of Egress 205
 1008 Doors, Gates and Turnstiles 207
 1009 Stairways 212
 1010 Ramps 214
 1011 Exit Signs 216
 1012 Handrails 216
 1013 Guards 217
 1014 Exit Access 218
 1015 Exit and Exit Access Doorways 220
 1016 Exit Access Travel Distance 221
 1017 Corridors 221
 1018 Exits 223
 1019 Number of Exits and Continuity 223
 1020 Vertical Exit Enclosures 223
 1021 Exit Passageways 225
 1022 Horizontal Exits 225
 1023 Exterior Exit Ramps and Stairways 226
 1024 Exit Discharge 227
 1025 Assembly 228
 1026 Emergency Escape and Rescue 232

CHAPTER 11 ACCESSIBILITY 235

Section

1101 General 235
 1102 Definitions 235
 1103 Scoping Requirements 235
 1104 Accessible Route 236
 1105 Accessible Entrances 237

1106 Parking and Passenger Loading Facilities 238
 1107 Dwelling Units and Sleeping Units 238
 1108 Special Occupancies 241
 1109 Other Features and Facilities 243
 1110 Signage 247

CHAPTER 12 INTERIOR ENVIRONMENT 249

Section
 1201 General 249
 1202 Definitions 249
 1203 Ventilation 249
 1204 Temperature Control 250
 1205 Lighting 250
 1206 Yards or Courts 251
 1207 Sound Transmission 251
 1208 Interior Space Dimensions 251
 1209 Access to Unoccupied Spaces 252
 1210 Surrounding Materials 252

CHAPTER 13 ENERGY EFFICIENCY 253

Section
 1301 General 253

CHAPTER 14 EXTERIOR WALLS 255

Section
 1401 General 255
 1402 Definitions 255
 1403 Performance Requirements 255
 1404 Materials 256
 1405 Installation of Wall Coverings 256
 1406 Combustible Materials on the
 Exterior Side of Exterior Walls 260
 1407 Metal Composite Materials (MCM) 261

**CHAPTER 15 ROOF ASSEMBLIES AND
 ROOFTOP STRUCTURES 263**

Section
 1501 General 263
 1502 Definitions 263
 1503 Weather Protection 263
 1504 Performance Requirements 264
 1505 Fire Classification 265
 1506 Materials 265
 1507 Requirements for Roof Coverings 266
 1508 Roof Insulation 274

1509 Rooftop Structures 275
 1510 Reroofing 276

CHAPTER 16 STRUCTURAL DESIGN 277

Section
 1601 General 277
 1602 Definitions and Notations 277
 1603 Construction Documents 278
 1604 General Design Requirements 279
 1605 Load Combinations 282
 1606 Dead Loads 283
 1607 Live Loads 284
 1608 Snow Loads 289
 1609 Wind Loads 289
 1610 Soil Lateral Loads 299
 1611 Rain Loads 299
 1612 Flood Loads 300
 1613 Earthquake Loads 302

**CHAPTER 17 STRUCTURAL TESTS AND
 SPECIAL INSPECTIONS 327**

Section
 1701 General 327
 1702 Definitions 327
 1703 Approvals 328
 1704 Special Inspections 328
 1705 Statement of Special Inspections 336
 1706 Contractor Responsibility 338
 1707 Special Inspections for Seismic Resistance 338
 1708 Structural Testing for Seismic Resistance 339
 1709 Structural Observations 340
 1710 Design Strengths of Materials 340
 1711 Alternative Test Procedure 340
 1712 Test Safe Load 340
 1713 In-situ Load Tests 340
 1714 Preconstruction Load Tests 341
 1715 Material and Test Standards 342

CHAPTER 18 SOILS AND FOUNDATIONS 343

Section
 1801 General 343
 1802 Foundation and Soils Investigations 343
 1803 Excavation, Grading and Fill 344
 1804 Allowable Load-bearing Values of Soils 345

TABLE OF CONTENTS

1805 Footings and Foundations 345
 1806 Retaining Walls 357
 1807 Dampproofing and Waterproofing 357
 1808 Pier and Pile Foundations 358
 1809 Driven Pile Foundations 363
 1810 Cast-in-place Concrete Pile Foundations 366
 1811 Composite Piles 370
 1812 Pier Foundations 370

CHAPTER 19 CONCRETE 373

Section

1901 General 373
 1902 Definitions 373
 1903 Specifications for Tests and Materials 373
 1904 Durability Requirements 373
 1905 Concrete Quality, Mixing and Placing 375
 1906 Formwork, Embedded Pipes and
 Construction Joints 375
 1907 Details of Reinforcement 376
 1908 Modifications to ACI 318 376
 1909 Structural Plain Concrete 379
 1910 Minimum Slab Provisions 380
 1911 Anchorage to Concrete—Allowable
 Stress Design 380
 1912 Anchorage to Concrete—Strength Design 380
 1913 Shotcrete 381
 1914 Reinforced Gypsum Concrete 382
 1915 Concrete-filled Pipe Columns 382

CHAPTER 20 ALUMINUM 385

Section

2001 General 385
 2002 Materials 385

CHAPTER 21 MASONRY 387

Section

2101 General 387
 2102 Definitions and Notations 387
 2103 Masonry Construction Materials 391
 2104 Construction 394
 2105 Quality Assurance 397
 2106 Seismic Design 398
 2107 Allowable Stress Design 400
 2108 Strength Design of Masonry 400

2109 Empirical Design of Masonry 401
 2110 Glass Unit Masonry 407
 2111 Masonry Fireplaces 408
 2112 Masonry Heaters 411
 2113 Masonry Chimneys 411

CHAPTER 22 STEEL 417

Section

2201 General 417
 2202 Definitions 417
 2203 Identification and Protection of Steel
 for Structural Purposes 417
 2204 Connections 417
 2205 Structural Steel 417
 2206 Steel Joists 418
 2207 Steel Cable Structures 418
 2208 Steel Storage Racks 419
 2209 Cold-formed Steel 419
 2210 Cold-formed Steel Light-framed Construction 419

CHAPTER 23 WOOD 421

Section

2301 General 421
 2302 Definitions 421
 2303 Minimum Standards and Quality 422
 2304 General Construction Requirements 426
 2305 General Design Requirements for
 Lateral-force-resisting Systems 435
 2306 Allowable Stress Design 442
 2307 Load and Resistance Factor Design 449
 2308 Conventional Light-frame Construction 449

CHAPTER 24 GLASS AND GLAZING 495

Section

2401 General 495
 2402 Definitions 495
 2403 General Requirements for Glass 495
 2404 Wind, Snow, Seismic and
 Dead Loads on Glass 495
 2405 Sloped Glazing and Skylights 497
 2406 Safety Glazing 498
 2407 Glass in Handrails and Guards 500
 2408 Glazing in Athletic Facilities 500
 2409 Glass in Elevator Hoistway 500

CHAPTER 25 GYPSUM BOARD AND PLASTER 501

Section

2501 General..... 501

2502 Definitions..... 501

2503 Inspection..... 501

2504 Vertical and Horizontal Assemblies..... 501

2505 Shear Wall Construction..... 501

2506 Gypsum Board Materials..... 502

2507 Lathing and Plastering..... 502

2508 Gypsum Construction..... 502

2509 Gypsum Board in Showers and Water Closets..... 503

2510 Lathing and Furring for Cement Plaster (Stucco)..... 504

2511 Interior Plaster..... 504

2512 Exterior Plaster..... 505

2513 Exposed Aggregate Plaster..... 505

CHAPTER 26 PLASTIC 507

Section

2601 General..... 507

2602 Definitions..... 507

2603 Foam Plastic Insulation..... 507

2604 Interior Finish and Trim..... 510

2605 Plastic Veneer..... 511

2606 Light-transmitting Plastics..... 511

2607 Light-transmitting Plastic Wall Panels..... 512

2608 Light-transmitting Plastic Glazing..... 513

2609 Light-transmitting Plastic Roof Panels..... 513

2610 Light-transmitting Plastic Skylight Glazing... 514

2611 Light-transmitting Plastic Interior Signs..... 514

CHAPTER 27 ELECTRICAL 517

Section

2701 General..... 517

2702 Emergency and Standby Power Systems..... 517

CHAPTER 28 MECHANICAL SYSTEMS 519

Section

2801 General..... 519

CHAPTER 29 PLUMBING SYSTEMS 521

Section

2901 General..... 521

2902 Minimum Plumbing Facilities..... 521

CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS 525

Section

3001 General..... 525

3002 Hoistway Enclosures..... 525

3003 Emergency Operations..... 525

3004 Hoistway Venting..... 526

3005 Conveying Systems..... 526

3006 Machine Rooms..... 527

CHAPTER 31 SPECIAL CONSTRUCTION..... 529

Section

3101 General..... 529

3102 Membrane Structures..... 529

3103 Temporary Structures..... 530

3104 Pedestrian Walkways and Tunnels..... 530

3105 Awnings and Canopies..... 531

3106 Marquees..... 532

3107 Signs..... 532

3108 Radio and Television Towers..... 532

3109 Swimming Pool Enclosures and Safety Devices..... 532

CHAPTER 32 ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY 535

Section

3201 General..... 535

3202 Encroachments..... 535

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION 537

Section

3301 General..... 537

3302 Construction Safeguards..... 537

3303 Demolition..... 537

3304 Site Work..... 537

3305 Sanitary..... 537

3306 Protection of Pedestrians..... 538

3307 Protection of Adjoining Property..... 539

3308 Temporary Use of Streets, Alleys and Public Property..... 539

3309 Fire Extinguishers..... 539

3310 Exits..... 539

3311 Standpipes..... 539

3312 Automatic Sprinkler System..... 540

TABLE OF CONTENTS

CHAPTER 34 EXISTING STRUCTURES..... 541

Section

3401 General..... 541
 3402 Definitions 541
 3403 Additions, Alterations or Repairs..... 541
 3404 Fire Escapes 542
 3405 Glass Replacement 543
 3406 Change of Occupancy 543
 3407 Historic Buildings 543
 3408 Moved Structures..... 543
 3409 Accessibility for Existing Buildings 543
 3410 Compliance Alternatives..... 545

CHAPTER 35 REFERENCED STANDARDS 555

APPENDIX A EMPLOYEE QUALIFICATIONS .. 575

Section

A101 Building Official Qualifications..... 575
 A102 Referenced Standards 575

APPENDIX B BOARD OF APPEALS 577

Section

B101 General..... 577

APPENDIX C GROUP U—AGRICULTURAL BUILDINGS 579

Section

C101 General..... 579
 C102 Allowable Height and Area..... 579
 C103 Mixed Occupancies 579
 C104 Exits 579

APPENDIX D FIRE DISTRICTS 581

Section

D101 General..... 581
 D102 Building Restrictions..... 581
 D103 Changes to Buildings 582
 D104 Buildings Located Partially in the Fire District 582
 D105 Exceptions to Restrictions in Fire District..... 582
 D106 Referenced Standards 583

APPENDIX E SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS 585

Section

E101 General..... 585
 E102 Definitions 585

E103 Accessible Route 585
 E104 Special Occupancies 585
 E105 Other Features and Facilities 586
 E106 Telephones..... 586
 E107 Signage..... 587
 E108 Bus Stops 588
 E109 Transportation Facilities and Stations 588
 E110 Airports 589
 E111 Referenced Standards 589

APPENDIX F RODENTPROOFING 591

Section

F101 General..... 591

APPENDIX G FLOOD-RESISTANT CONSTRUCTION 593

Section

G101 Administration..... 593
 G102 Applicability 593
 G103 Powers and Duties..... 593
 G104 Permits 594
 G105 Variances 594
 G201 Definitions 595
 G301 Subdivisions..... 596
 G401 Site Improvement..... 596
 G501 Manufactured Homes 596
 G601 Recreational Vehicles 596
 G701 Tanks 597
 G801 Other Building Work..... 597
 G901 Referenced Standards 597

APPENDIX H SIGNS..... 599

Section

H101 General..... 599
 H102 Definitions 599
 H103 Location 599
 H104 Identification 599
 H105 Design and Construction..... 600
 H106 Electrical 600
 H107 Combustible Materials 600
 H108 Animated Devices 600
 H109 Ground Signs 600
 H110 Roof Signs 601
 H111 Wall Signs 601
 H112 Projecting Signs..... 601

H113 Marquee Signs 602
H114 Portable Signs 602
H115 Referenced Standards 602

APPENDIX I PATIO COVERS..... 603

Section

I101 General 603
I102 Definitions 603
I103 Exterior Openings 603
I104 Structural Provisions 603

APPENDIX J GRADING..... 605

J101 General 605
J102 Definitions 605
J 103 Permits Required 605
J104 Permit Application and Submittals. 605
J105 Inspections 606
J106 Excavations 606
J107 Fills. 607
J108 Setbacks 607
J109 Drainage and Terracing 607
J110 Erosion Control 608
J111 Referenced Standards 608

APPENDIX K ICC ELECTRICAL CODE..... 609

INDEX..... 637

CHAPTER 1

ADMINISTRATION

SECTION 101 GENERAL

101.1 Title. These regulations shall be known as the *Building Code* of [NAME OF JURISDICTION], hereinafter referred to as “this code.”

101.2 Scope. The provisions of this code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures shall comply with the *International Residential Code*.

101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted.

101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations.

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

101.4.1 Electrical. The provisions of the ICC *Electrical Code* shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

101.4.2 Gas. The provisions of the *International Fuel Gas Code* shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

101.4.3 Mechanical. The provisions of the *International Mechanical Code* shall apply to the installation, alterations, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

101.4.4 Plumbing. The provisions of the *International Plumbing Code* shall apply to the installation, alteration,

repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the *International Private Sewage Disposal Code* shall apply to private sewage disposal systems.

101.4.5 Property maintenance. The provisions of the *International Property Maintenance Code* shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures.

101.4.6 Fire prevention. The provisions of the *International Fire Code* shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, repair, alteration or removal of fire suppression and alarm systems or fire hazards in the structure or on the premises from occupancy or operation.

101.4.7 Energy. The provisions of the *International Energy Conservation Code* shall apply to all matters governing the design and construction of buildings for energy efficiency.

SECTION 102 APPLICABILITY

102.1 General. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

102.2 Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law.

102.3 Application of references. References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

102.4 Referenced codes and standards. The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

102.5 Partial invalidity. In the event that any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.