

2024 International Swimming Pool and Spa Code®

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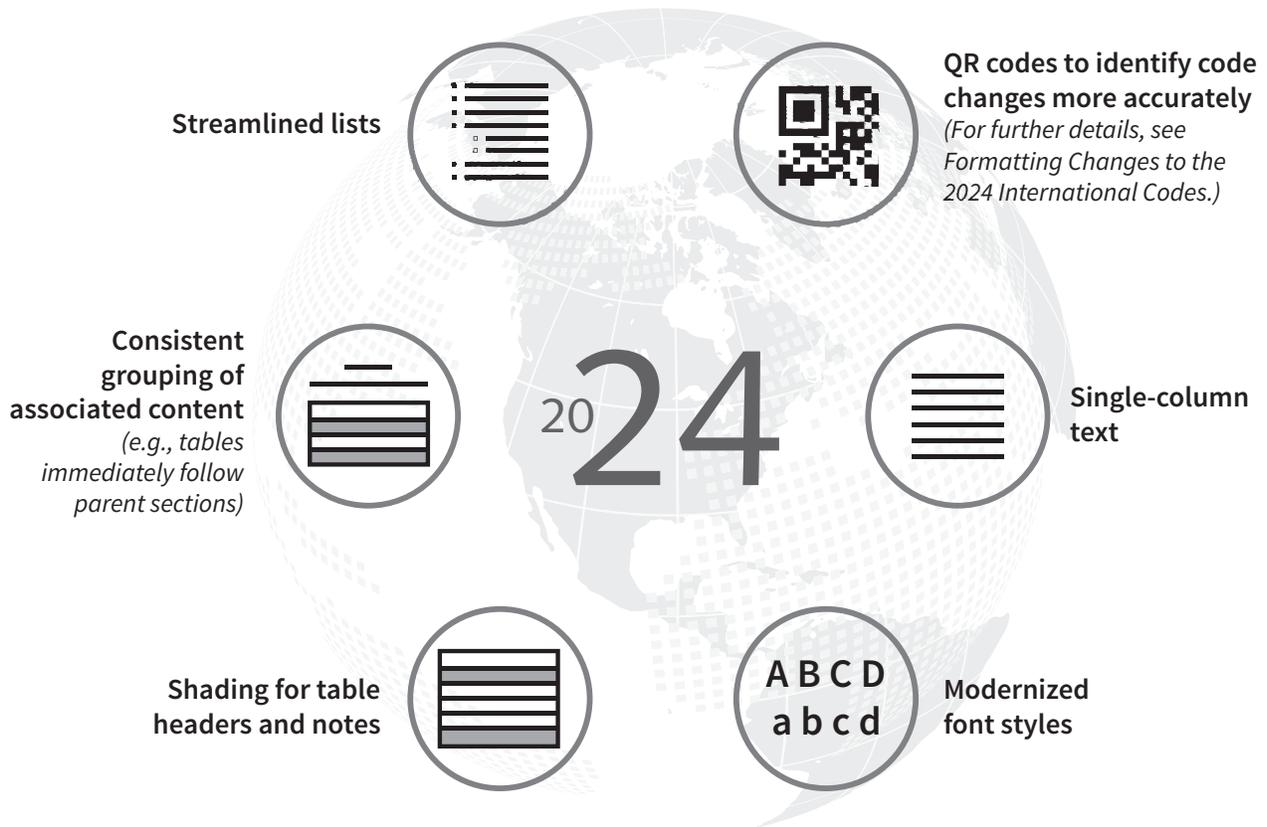
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NEW DESIGN FOR THE 2024 INTERNATIONAL CODES



The 2024 International Codes® (I-Codes®) have undergone substantial formatting changes as part of the digital transformation strategy of the International Code Council® (ICC®) to improve the user experience. The resulting product better aligns the print and PDF versions of the I-Codes with the ICC’s Digital Codes® content.

The changes, promoting a cleaner, more modern look and enhancing readability and sustainability, include:



More information can be found at iccsafe.org/design-updates.



PREFACE

FORMATTING CHANGES TO THE 2024 INTERNATIONAL CODES

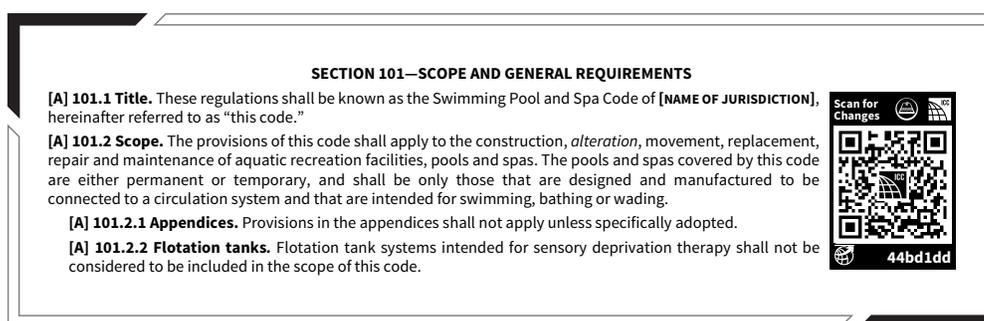
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Replacement of Marginal Markings with QR Codes

Through 2021, print editions of the I-Codes identified technical changes from prior code cycles with marginal markings [solid vertical lines for new text, deletion arrows (➡), asterisks for relocations (★)]. The 2024 I-Code print editions replace the marginal markings with QR codes to identify code changes more precisely.

A QR code is placed at the beginning of any section that has undergone technical revision. If there is no QR code, there are no technical changes to that section.

In the following example from the 2024 *International Swimming Pool and Spa Code*® (ISPSC®), a QR code indicates there are changes to Section 101 from the 2021 ISPSC. Note that the change may occur in the main section or in one or more subsections of the main section.



To see the code changes, the user need only scan the QR code with a smart device. If scanning a QR code is not an option, changes can be accessed by entering the 7-digit code beneath the QR code at the end of the following URL: qr.iccsafe.org/ (in the above example, “qr.iccsafe.org/44bd1dd”). Those viewing the code book via PDF can click on the QR code.

All methods take the user to the appropriate section on ICC’s Digital Codes website, where technical changes from the prior cycle can be viewed. Digital Codes Premium subscribers who are logged in will be automatically directed to the Premium view. All other users will be directed to the Digital Codes Basic free view. Both views show new code language in blue text along with deletion arrows for deleted text and relocation markers for relocated text.

Digital Codes Premium offers additional ways to enhance code compliance research, including revision histories, commentary by code experts and an advanced search function. A full list of features can be found at codes.iccsafe.org/premium-features.

ACCESSING ADDITIONAL FEATURES VIA REGISTRATION OF BOOK

Beginning with the 2024 *International Mechanical Code*® (IMC®) and the 2024 *International Plumbing Code*® (IPC®), users will be able to validate the authenticity of their book and register it with the ICC to receive incentives. Digital Codes Premium (codes.iccsafe.org) provides advanced features and exclusive content to enhance code compliance. To validate and register, the user will tap the ICC tag (pictured here and located on the front cover) with a near-field communication (NFC) compatible device. Visit iccsafe.org/nfc for more information and troubleshooting tips regarding NFC tag technology.



ABOUT THE I-CODES

The 2024 I-Codes, published by the ICC, are 15 fully compatible titles intended to establish provisions that adequately protect public health, safety and welfare; that do not unnecessarily increase construction costs; that do not restrict the use of new materials, products or methods of construction; and that do not give preferential treatment to particular types or classes of materials, products or methods of construction.

The I-Codes are updated on a 3-year cycle to allow for new construction methods and technologies to be incorporated into the codes. Alternative materials, designs and methods not specifically addressed in the I-Code can be approved by the building official where the proposed materials, designs or methods comply with the intent of the provisions of the code.

The I-Codes are used as the basis of laws and regulations in communities across the US and in other countries. They are also used in a variety of nonregulatory settings, including:

- Voluntary compliance programs.
- The insurance industry.

- Certification and credentialing for building design, construction and safety professionals.
- Certification of building and construction-related products.
- Facilities management.
- “Best practices” benchmarks for designers and builders.
- College, university and professional school textbooks and curricula.
- Reference works related to building design and construction.

Code Development Process

The code development process regularly provides an international forum for building professionals to discuss requirements for building design, construction methods, safety, performance, technological advances and new products. Proposed changes to the I-Codes, submitted by code enforcement officials, industry representatives, design professionals and other interested parties, are deliberated through an open code development process in which all interested and affected parties may participate.

Openness, transparency, balance, due process and consensus are the guiding principles of both the ICC Code Development Process and OMB Circular A-119, which governs the federal government’s use of private-sector standards. The ICC process is open to anyone without cost. Remote participation is available through *cdpAccess*®, the ICC’s cloud-based app.

In order to ensure that organizations with a direct and material interest in the codes have a voice in the process, the ICC has developed partnerships with key industry segments that support the ICC’s important public safety mission. Some code development committee members were nominated by the following industry partners and approved by the ICC Board:

- American Gas Association (AGA)
- American Institute of Architects (AIA)
- American Society of Plumbing Engineers (ASPE)
- International Association of Fire Chiefs (IAFC)
- National Association of Home Builders (NAHB)
- National Association of State Fire Marshals (NASFM)
- National Council of Structural Engineers Association (NCSEA)
- National Multifamily Housing Council (NMHC)
- Plumbing Heating and Cooling Contractors (PHCC)
- Pool and Hot Tub Alliance (PHTA) formerly The Association of Pool and Spa Professionals (APSP)

Code development committees evaluate and make recommendations regarding proposed changes to the codes. Their recommendations are then subject to public comment and council-wide votes. The ICC’s governmental members—public safety officials who have no financial or business interest in the outcome—cast the final votes on proposed changes.

The I-Codes are subject to change through future code development cycles and by any governmental entity that enacts the code into law. For more information regarding the code development process, contact the Codes and Standards Development Department of the ICC at iccsafe.org/products-and-services/i-codes/code-development/.

While the I-Code development procedure is thorough and comprehensive, the ICC, its members and those participating in the development of the codes expressly disclaim any liability resulting from the publication or use of the I-Codes, or from compliance or noncompliance with their provisions. NO WARRANTY OF ANY KIND, IMPLIED, EXPRESSED OR STATUTORY, IS GIVEN WITH RESPECT TO THE I-CODES. The ICC does not have the power or authority to police or enforce compliance with the contents of the I-Codes.

Code Development Committee Responsibilities (Letter Designations in Front of Section Numbers)

In each cycle, proposed changes are considered by the Code Development Committee assigned to a specific code or subject matter. Committee Action Hearings result in recommendations regarding a proposal to the voting membership. Where changes to a code section are not considered by that code’s own committee, the code section is preceded by a bracketed letter designation identifying a different committee. Bracketed letter designations for the I-Code committees are:

- [A] = Administrative Code Development Committee
- [BE] = IBC—Egress Code Development Committee
- [BF] = IBC—Fire Safety Code Development Committee
- [BG] = IBC—General Code Development Committee
- [BS] = IBC—Structural Code Development Committee
- [E] = Developed under the ICC’s Standard Development Process
- [EB] = International Existing Building Code Development Committee
- [F] = International Fire Code Development Committee
- [FG] = International Fuel Gas Code Development Committee
- [M] = International Mechanical Code Development Committee

PREFACE

[P] = International Plumbing Code Development Committee

[SP] = International Swimming Pool and Spa Code Development Committee

For the development of the 2027 edition of the I-Codes, the ICC Board of Directors approved a standing motion from the Board Committee on the Long-Term Code Development Process to revise the code development cycle to incorporate two committee action hearings for each code group. This change expands the current process from two independent 1-year cycles to a single continuous 3-year cycle. There will be two groups of code development committees and they will meet in separate years. The current groups will be reworked. With the energy provisions of the *International Energy Conservation Code*® (IECC®) and Chapter 11 of the *International Residential Code*® (IRC®) now moved to the Code Council's Standards Development Process, the reduced volume of code changes will be distributed between Groups A and B.

Code change proposals submitted for code sections that have a letter designation in front of them will be heard by the respective committee responsible for such code sections. Because different committees hold Committee Action Hearings in different years, proposals for most codes will be heard by committees in both the 2024 (Group A) and the 2025 (Group B) code development cycles. It is very important that anyone submitting code change proposals understands which code development committee is responsible for the section of the code that is the subject of the code change proposal.

Please visit the ICC website at iccsafe.org/products-and-services/i-codes/code-development/current-code-development-cycle for further information on the Code Development Committee responsibilities as it becomes available.

Coordination of the I-Codes

The coordination of technical provisions allows the I-Codes to be used as a complete set of complementary documents. Individual codes can also be used in subsets or as stand-alone documents. Some technical provisions that are relevant to more than one subject area are duplicated in multiple model codes.

Italicized Terms

Words and terms defined in Chapter 2, Definitions, are italicized where they appear in code text and the Chapter 2 definitions apply. Although care has been taken to ensure applicable terms are italicized, there may be instances where a defined term has not been italicized or where a term is italicized but the definition found in Chapter 2 is not applicable. For example, Chapter 2 of the *International Building Code*® (IBC®) contains a definition for “*Listed*” that is applicable to equipment, products and services. The term “*listed*” is also used in that code to refer to a list of items within the code or within a referenced document. For the latter, the Chapter 2 definition would not be applicable.

Adoption of International Code Council Codes and Standards

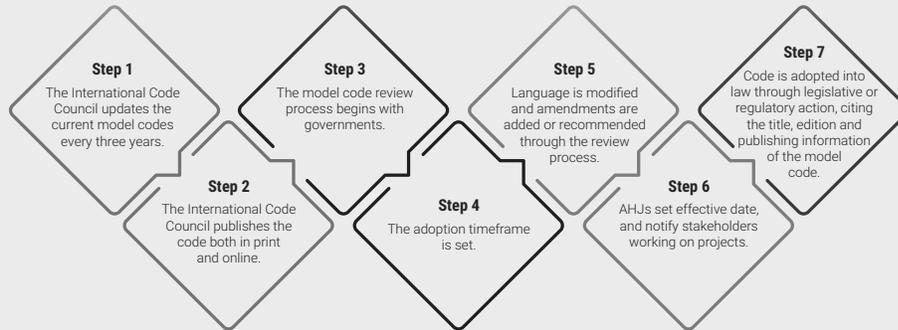
The International Code Council maintains a copyright in all of its codes and standards. Maintaining copyright allows the Code Council to fund its mission through sales of books in both print and digital format. The Code Council welcomes incorporation by reference of its codes and standards by jurisdictions that recognize and acknowledge the Code Council's copyright in the codes and standards, and further acknowledge the substantial shared value of the public/private partnership for code development between jurisdictions and the Code Council. By making its codes and standards available for incorporation by reference, the Code Council does not waive its copyright in its codes and standards.

The Code Council's codes and standards may only be adopted by incorporation by reference in an ordinance passed by the governing body of the jurisdiction. “Incorporation by reference” means that in the adopting ordinance, the governing body cites only the title, edition, relevant sections or subsections (where applicable), and publishing information of the model code or standard, and the actual text of the model code or standard is not included in the ordinance (see graphic, “Adoption of International Code Council Codes and Standards”). The Code Council does not consent to the reproduction of the text of its codes or standards in any ordinance. If the governing body enacts any changes, only the text of those changes or amendments may be included in the ordinance.



ADOPTION OF INTERNATIONAL CODE COUNCIL CODES AND STANDARDS INCORPORATED BY REFERENCE

What does “incorporate by reference” mean? If a governmental agency or authority having jurisdiction (AHJ) over code adoption wishes to adopt a model code for legislative or regulatory purposes, it will enact an ordinance, regulation or law to incorporate by reference (IBR) the relevant code. The actual text of the model code is not included in the law, but the enacting law will include the full text of any changes or amendments enacted by the legislative body of the AHJ.



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The Code Council also recognizes the need for jurisdictions to make laws accessible to the public. Accordingly, all I-Codes and I-Standards, along with the laws of many jurisdictions, are available to view for free at codes.iccsafe.org/codes/i-codes. These documents may also be purchased, in both digital and print versions, at shop.iccsafe.org.

To facilitate adoption, some I-Code sections contain blanks for fill-in information that needs to be supplied by the adopting jurisdiction as part of the adoption legislation. For example, the ISPSA contains:

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

Section 103.1. Insert: **[NAME OF DEPARTMENT]**

Section 113.4. Insert: **[SPECIFY OFFENSE], [AMOUNT], [NUMBER OF DAYS]**

Section A101.3. Insert: **[NUMBER OF YEARS]**

For further information or assistance with adoption, including a sample ordinance, jurisdictions should contact the Code Council at incorporation@iccsafe.org.

For a list of frequently asked questions (FAQs) addressing a range of foundational topics about the adoption of model codes by jurisdictions and to learn more about the Code Council’s code adoption resources, scan the QR code or visit iccsafe.org/code-adoption-resources.



INTRODUCTION TO THE INTERNATIONAL SWIMMING POOL AND SPA CODE

The ISPSA establishes minimum requirements for the design, construction, alteration, repair and maintenance of swimming pools, spas, hot tubs and aquatic facilities. This includes public swimming pools, public spas, public exercise spas, aquatic recreation facilities, onground storable residential pools, permanent inground residential pools, permanent residential spas, permanent residential exercise spas, portable residential spas and portable residential exercise spas.

In many jurisdictions, in addition to code officials having the responsibility for reviewing plans and inspecting the construction of pools and spas, environmental health officials also have a responsibility for oversight of the operation of pools and spas. In order to prevent disease and injuries, environmental health officials conduct operational evaluations (inspections). This may include water chemistry, credentials and training of pool operators and lifeguards, proper water circulation, facility staff’s preparedness to respond to injuries and accidents, and proper sanitation and safety of the facility.

Code officials and environmental health officials commonly work closely in the plan review and inspection of pools and spas. This collaboration between departments to jointly review plans and inspect pools and spas is critical in order to achieve a safe and healthy environment for all that utilize these facilities.

The Pool and Hot Tub Alliance (PHTA) [formerly The Association of Pool & Spa Professionals (APSP)], a cooperating sponsor with ICC in the development and update of the ISPSC, further notes: “While it is recognized that proper construction and installation are essential, safe use of pools and spas requires common sense, including constant adult supervision of children and proper operation and maintenance. It is assumed and intended that pool users will exercise appropriate personal judgment and responsibility and that owners and operators of public and residential pools and spas will create and enforce rules and warning appropriate for their facilities.”

ARRANGEMENT AND FORMAT OF THE 2024 ISPSC

The format of the ISPSC allows each chapter to be devoted to a particular subject with the exception of Chapter 3, which contains general compliance subject matter that is coordinated with the provisions for each type of pool and spa regulated in Chapters 4–10.

The following table shows how the ISPSC is divided. The chapter synopses detail the scope and intent of the provisions of the ISPSC.

CHAPTER TOPICS	
CHAPTERS	SUBJECTS
1	Scope and Administration
2	Definitions
3	General Compliance
4	Public Swimming Pools
5	Public Spas and Public Exercise Spas
6	Aquatic Recreation Facilities
7	Onground Storable Residential Swimming Pools
8	Permanent Inground Residential Swimming Pools
9	Permanent Residential Spas and Permanent Residential Exercise Spas
10	Portable Residential Spas and Portable Residential Exercise Spas
11	Referenced Standards
Appendix A	Board of Appeals

Chapter 1 Scope and Administration.

Chapter 1 establishes the limits of applicability of the code and describes how the code is to be applied and enforced. The provisions of Chapter 1 establish the authority and duties of the code official appointed by the authority having jurisdiction and also establish the rights and privileges of the design professional, contractor and property owner.

Chapter 2 Definitions.

Chapter 2 is the repository of the definitions of terms used in the body of the code. The user of the code should be familiar with and consult this chapter because the definitions are essential to the correct interpretation of the code and because the user may not be aware that a term is defined.

Chapter 3 General Compliance.

Chapter 3 includes a variety of requirements for pools and spas intended to maintain a minimum level of safety and sanitation for both the general public and the users of pools or spas.

Chapter 4 Public Swimming Pools.

Chapter 4 sets forth specific requirements for public swimming pools with regard to diving equipment, bather load limitations, rest ledges, wading pools, decks, deck equipment, filters, dressing and sanitary facilities, special features and signage.

Chapter 5 Public Spas and Public Exercise Spas.

Chapter 5 establishes the specific criteria for public spas and public exercise spas with regard to materials, structure and design, pumps and motors, return and suction fittings, heater and temperature requirements, water supply, sanitation, oxidation equipment and chemical feeders, and safety features.

Chapter 6 Aquatic Recreation Facilities.

Chapter 6 establishes specific requirements for aquatic recreation facilities with regard to floors, markings and indications, circulation systems, handholds and ropes, depths, barriers, number of occupants, toilet rooms and bathrooms, special features and signage.

Chapter 7 Onground Storable Residential Swimming Pools.

Chapter 7 establishes specific requirements for onground storable residential swimming pools with regard to ladders and stairs, decks and circulation systems.

Chapter 8 Permanent Inground Residential Swimming Pools.

Chapter 8 establishes specific requirements for permanent inground residential swimming pools with regard to design, construction tolerances, diving water envelopes, walls, offset ledges, pool floors, diving equipment, special features, circulation systems and safety features.

Chapter 9 Permanent Residential Spas and Permanent Residential Exercise Spas.

Chapter 9 establishes specific requirements for permanent residential spas and permanent residential exercise spas with regard to safety features.

Chapter 10 Portable Residential Spas and Portable Residential Exercise Spas.

Chapter 10 establishes specific requirements for portable residential spas and portable residential exercise spas with regard to standards that the equipment must meet.

Chapter 11 Referenced Standards.

Chapter 11 lists all of the product and installation standards and codes that are referenced throughout Chapters 1 through 10 and includes identification of the promulgators and the section numbers in which the standards and codes are referenced. As stated in Section 102.7, these standards and codes become an enforceable part of the code (to the prescribed extent of the reference) as if printed in the body of the code.

Appendix A Board of Appeals.

Appendix A contains the provisions for appeal and the establishment of a board of appeals. The provisions include the application for an appeal, the makeup of the board of appeals and the conduct of the appeal process.

RELOCATION OF TEXT OR TABLES

The following table indicates relocation of sections and tables in the 2024 edition of the ISPSC from the 2021 edition.

RELOCATIONS	
2024 LOCATION	2021 LOCATION
104.2.2.4	104.11
104.2.3	104.10
104.2.4	104.9
104.4	104.6
104.7.2	104.5
104.7.4	104.11.3
107	106
108	107
109	108
110	109
111	110
112	111

CONTENTS

CHAPTER 1 SCOPE AND ADMINISTRATION	10	CHAPTER 4 PUBLIC SWIMMING POOLS	41
Part 1—Scope and Application	10	401 General	41
101 Scope and General Requirements	10	402 Diving	41
102 Applicability	10	403 Bather Load	43
Part 2—Administration and Enforcement	11	404 Rest Ledges	43
103 Code Compliance Agency	11	405 Wading Pools	43
104 Duties and Powers of the Code Official	11	406 Decks and Deck Equipment	43
105 Permits	13	407 Circulation Systems	44
106 Temporary Structures, Equipment and Systems	14	408 Filters	44
107 Construction Documents	14	409 Specific Safety Features	45
108 Notice of Approval	15	410 Sanitary Facilities	45
109 Fees	15	411 Special Features	45
110 Service Utilities	15	412 Signage	46
111 Inspections	15		
112 Means of Appeals	16	CHAPTER 5 PUBLIC SPAS AND PUBLIC EXERCISE SPAS	48
113 Violations	17	501 General	48
114 Stop Work Order	17	502 Materials	48
		503 Structure and Design	48
CHAPTER 2 DEFINITIONS	18	504 Pumps and Motors	48
201 General	18	505 Return and Suction Fittings	48
202 Definitions	18	506 Heater and Temperature Requirements	48
		507 Water Supply	49
CHAPTER 3 GENERAL COMPLIANCE	23	508 Safety Features	49
301 General	23		
302 Electrical, Plumbing, Mechanical and Fuel Gas Requirements	23	CHAPTER 6 AQUATIC RECREATION FACILITIES	50
303 Energy	23	601 General	50
304 Flood Hazard Areas	24	602 Floors	50
305 Barrier Requirements	24	603 Markings and Indicators	50
306 Decks	26	604 Circulation Systems	50
307 General Design	28	605 Handholds and Ropes	51
308 Elevated Pools	29	606 Depths	51
309 Dimensional Design	29	607 Barriers	51
310 Equipment	29	608 Number of Occupants	51
311 Suction Entrapment Avoidance	29	609 Dressing and Sanitary Facilities	52
312 Circulation Systems	29	610 Special Features	52
313 Filters	31	611 Signage	54
314 Pumps and Motors	31	612 Interactive Water Play Features	55
315 Return and Suction Fittings	32		
316 Skimmers	32	CHAPTER 7 ONGROUND STORABLE RESIDENTIAL SWIMMING POOLS	56
317 Heaters	33	701 General	56
318 Air Blower and Air Induction System	33	702 Ladders and Stairs	56
319 Water Supply	34	703 Decks	59
320 Sanitizing Equipment and Chemical Feeders	34	704 Circulation System	59
321 Wastewater Disposal	34	705 Safety Signs	60
322 Lighting	34		
323 Ladders and Recessed Treads	35	CHAPTER 8 PERMANENT INGROUND RESIDENTIAL SWIMMING POOLS	62
324 Safety	36	801 General	62
325 Equipment Rooms	37	802 Design	62
326 Indoor Air Quality	40	803 Construction Tolerances	62

804 Diving Water Envelopes 62

805 Walls 63

806 Offset Ledges 63

807 Pool Floors 63

808 Diving Equipment 64

809 Special Features 65

810 Circulation Systems 65

811 Safety Features 65

**CHAPTER 9 PERMANENT RESIDENTIAL SPAS AND
PERMANENT RESIDENTIAL EXERCISE SPAS 66**

901 General 66

902 Safety Features 66

**CHAPTER 10 PORTABLE RESIDENTIAL SPAS AND
PORTABLE RESIDENTIAL EXERCISE SPAS 67**

1001 General 67

CHAPTER 11 REFERENCED STANDARDS 68

APPENDIX A BOARD OF APPEALS 72

A101 General 72

INDEX 74