



**SOUTHERN NEVADA AMENDMENTS
TO THE
2024 INTERNATIONAL
SWIMMING POOL AND SPA CODE**

Preface

This document was developed by the Southern Nevada Building Officials' (SNBO) International Swimming Pool and Spa Code Committee and presents amendments to the 2024 International Swimming Pool and Spa Code (ISPSC) as published by the International Code Council (ICC).

Participation in the 2024 International Swimming Pool and Spa Code Committee was open to all interested parties. However, voting on amendments proposals was limited to one vote each for seven Southern Nevada municipalities (Clark County, Henderson, Las Vegas, North Las Vegas, Boulder City, Pahrump, and Mesquite), the Clark County School District, and three industry representatives. All committee proceedings were conducted in accordance with Robert's Rules of Order.

The recommended amendments contained herein are not code unless adopted and codified by governmental jurisdictions. These amendments are not intended to prevent the use of any material or method of construction not specifically prescribed herein, provided any alternates have been approved and their use authorized by the Building Official. This document may be copied and used in whole or in part without permission or approval from the organizations listed on the cover page.

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Chapter 1, Scope and Administration

Delete Chapter 1 in its entirety except Section 101. Revise Sections 101.1, 101.2 and 101.3 and delete Section 101.4, as follows:

[A] 101.1 Application of the International Codes. These regulations shall be known as the International Swimming Pool and Spa Code hereinafter referred to as “this code”.

[A] 101.2 Scope. The provisions of this code apply to the construction, alteration, movement, renovation, replacement, repair and maintenance or use of aquatic recreation facilities, pools and spas. The pools and spas covered by this code are either permanent or temporary and shall be only those that are designed and manufactured to be connected to a circulation system and that are intended for swimming, bathing or wading. Where this code refers to codes not adopted by the jurisdiction, the applicable code adopted by the jurisdiction shall govern.

[A] 101.3. Application of the International Codes. Where the *International Residential Code* is referenced in this code, the provisions of the *International Residential Code* shall apply to related systems in detached one- and two-family dwellings and townhouses not more than three stories in height. Other related systems shall comply with the applicable International Code or referenced standard. Where the *International Plumbing Code* or *International Mechanical Code* is referenced in this code, the provisions of the Uniform Plumbing Code or Uniform Mechanical Code shall apply to the related systems.

Chapter 2 Definitions

Add new definitions to Chapter 2, as follows:

MANUFACTURED POOL OR SPA. A listed pool, spa or water feature that is manufactured or constructed off site, transported to the property, and placed and/or assembled at the property.

MANMADE DECORATIVE WATER FEATURE: Any manmade stream, fountain, waterfall, or other water feature that does not meet the definition of a pool or spa and contains circulating water that flows or that is sprayed into the air, constructed for decorative, scenic or landscape purposes. Any manmade decorative water feature greater than 18 inches (457 mm) of maximum water level or installed overflow water depth shall meet the requirements of a swimming pool as specified in Chapters 2 through 10.

Exceptions: The following bodies of water shall be exempt from these requirements:

- A. Manmade lakes as defined in local ordinance or administrative code.
- B. Pools and spas regulated by this document or administrative code.
- C. Water feature not greater than 18 inches (457 mm) of maximum water level or installed overflow water level, used in conjunction with and on the same property as a single-family residence, and available only to the family of the householder or their private guests.

Section 305.2.1, Barrier heights and clearances

Revise Section 305.2.1 Item 1, as follows:

305.2.1 Barrier height and clearances.

Barrier heights and clearances shall be in accordance with all of the following:

1. For one- and two-family dwellings the top of the barrier shall be not less than 60 inches (1524 mm) above grade where measured on the side of the barrier that faces away from the pool or spa. Public pools and spas the top of the barrier shall not be less than 72-inches (1828.8mm) above grade where measured on the side of the barrier that faces away from the pool or spa. Such height shall exist around the entire perimeter of the barrier and for a distance of 3 feet (914 mm) measured horizontally from the outside of the required barrier.
2. [No change]
3. [No change]
4. [No change]

Section 305.3.3, Latch Release

Add new sub-section 305.3.3. Item 4 as follows:

305.3.3 Latch release.

For doors and gates in barriers, the door and gate latch release mechanisms shall be in accordance with the following:

1. Where door and gate latch release mechanisms are accessed from the outside of the barrier and are not of the self-locking type, such mechanism shall be located above the finished floor or ground surface in accordance with the following:
 - 1.1. At public pools and spas, not less than 52 inches (1219 mm) and not greater than 54 inches (1372 mm).
 - 1.2. At *residential* pools and spas, not less than 54 inches (1372 mm).
2. Where door and gate latch release mechanisms are of the self-locking type such as where the lock is operated by means of a key, an electronic opener or the entry of a combination into an integral combination lock, the lock operation control and the latch release mechanism shall be located above the finished floor or ground surface in accordance with the following:
 - 2.1. At public pools and spas, not less than 34 inches and not greater than 48 inches (1219 mm).
 - 2.2. At *residential* pools and spas, at not greater than 54 inches (1372 mm).
3. At private pools, where the only latch release mechanism of a self-latching device for a gate is located on the pool and spa side of the barrier, the release mechanism shall be located at a point that is at least 3 inches (76 mm) below the top of the gate.

4. At public pools and spas, the release mechanism shall be in compliance with ICC A117.1 Accessible and Useable Buildings and Facilities and the International Building Code Chapter 11.

Section 305.3.5, Means of Egress

Add new code section 305.3.5 as follows:

305.3.5 Means of Egress. Means of egress from publicly accessible spaces adjacent to the pool enclosure shall not pass through the pool enclosure.

Section 305.4, Structural Wall as a Barrier

Revise 305.4 Items 3, 4 and add new item 7 as follows:

305.4 Structure wall as a barrier.

Where a wall of a dwelling or structure serves as part of the barrier and where doors, gates or windows provide direct access to the pool or spa through that wall, one of the following shall be required:

1. Operable windows having a sill height of less than 48 inches (1219 mm) above the indoor finished floor, doors and gates shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be *listed* and labeled as a water hazard entrance alarm in accordance with UL 2017.
2. In dwellings not required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located at not less than 54 inches (1372 mm) above the finished floor.
3. In dwellings that are required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the finished floor. Windows shall be equipped with a permanent locking device to prevent an opening such that a sphere of 4 inches (102 mm) in diameter cannot pass through.
4. In structures other than dwellings, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1220 mm) above the finished floor. Windows shall be equipped with a permanent locking device to prevent an opening such that a sphere of 4 inches (102 mm) in diameter cannot pass through.
5. A *safety cover* that is *listed* and *labeled* in accordance with ASTM F1346 is installed for the pools and spas.

6. An *approved* means of protection, such as self-closing doors with self-latching devices, is provided. Such means of protection shall provide a degree of protection that is not less than the protection afforded by Item 1 or 2.

7. Windows serving as part of a required means of egress that are unable to be equipped with a permanent locking device shall not be included in a public pool or spa barrier.

Section 307.1.1, Glazing in Hazardous Locations

Revise section 307.1.1 to replace Section 102.7.1 with 101.3 as follows:

Section 307.1.1: Glazing in hazardous locations. Hazardous locations for glazing shall be as defined in the *International Building Code* or the *International Residential Code*, as applicable in accordance with Section 101.3, as amended, of this code. Where glazing is determined to be in a hazardous location, the requirements for the glazing shall be in accordance with those codes, as applicable.

Section 307.1.2.1, Munsell Gray Scale

Revise color scale and remove item 4 and renumber as follows:

307.1.2.1 Munsell gray scale. Finishes shall be not less than 6.5 on the Munsell gray scale.

Exceptions: The following shall not be required to comply with this section:

1. Competitive lane markings.
2. Floors of dedicated competitive diving wells.
3. Step or bench edge markings.
4. Water line tiles.
5. Wave and surf pool depth change indicator tiles.
6. Depth change indicator tiles where a rope and float line is provided.
7. Features such as rock formations, as *approved*.

Section 307.2.2, Materials and Structural Design

Revise Section 307.2.2 and delete the exception as follows:

307.2.2 Materials and Structural Design. Pools and spas shall conform to one or more of the standards indicated in Table 307.2.2. The structural design of pools and spas shall be in accordance with the *International Building Code*. If permitted by the *Building Official*, a geotechnical investigation report is not required for structural designs which utilize a minimum lateral bearing pressure of 60 psf/ft and an Exposure Class S2 (severe sulfate exposure level).

The structural design may only utilize less stringent geotechnical parameters when a geotechnical investigation report is provided that fully complies with the requirements of the 2024 IBC Chapter

18. The structural design shall account for the effects of any surcharge loading that is present. Lateral earth pressure due to seismic motion need not be included in the design.

Section 307.2.2.2, Groundwater Protection

Add Section 307.2.2.2 for Groundwater as follows:

307.2.2.2 Groundwater Protection. If groundwater is present, a hydrostatic valve shall be installed at the lowest point; or other approved means shall be provided to prevent buoyant uplift.

Section 307.2.6, Special Inspection

Add a new section 307.2.6 as follows:

307.2.6 Special Inspection. Special inspections shall be required in accordance with the IBC for commercial or public pools and spas. Special inspections are not required for a *residential swimming pool* associated with a detached one- and two-family dwelling or townhouse.

Section 312.5, System Draining

Revise section 312.5 to add clarity as follows:

312.5 System draining.

Equipment shall be designed, fabricated, and installed to drain the water from the equipment, together with exposed face piping, by removal of drain plugs, manipulating valves, or by other methods. Drainage shall be in accordance with manufacturer's specifications.

Section 314.4.1, Equipment

Add subsection 314.4.1 as follows:

314.4.1 Equipment. Any outdoor equipment pad shall not be in contact with any foundation. Equipment shall be installed with adequate drainage. Equipment in vaults or pits shall have an approved means to drain water from the pit. Equipment shall be installed in accordance with the currently adopted Codes, listing requirements and the manufacturer's installation instructions.

Section 321.1, Backwash Water or Draining Water

Revise to remove the word *storm* as follows:

321.1 Backwash water or draining water.

Backwash water and draining water shall be discharged to the sanitary sewer, or into an approved disposal system on the premise, or shall be disposed of by other means approved by the state or local authority. Direct connections shall not be made between the end of the backwash line and the disposal system. Drains shall discharge through an air gap.

Section 324.1 - 324.1.3, Handholds

Revise 324.1 thru 324.1.3 to read as follows:

324.1 Handholds required. Where the depth below the *design waterline* of the pool or spa exceeds 42 inches (1067 mm) handholds along the perimeter shall be provided. Handholds shall be located at the top of deck or coping, or as modified in Section 324.1.2. Handhold shall be a minimum of 6 inches (152.4 mm) long and 1 ½ inches deep.

Exceptions:

1. Handholds shall not be required where an underwater bench, seat or swimout is installed.
2. Handholds shall not be required for wave action pools and action rivers.

324.1.1 Height above water. Handholds shall be located not more than 12 inches (305 mm) above the *design waterline*.

324.1.2 Handhold type. Handholds shall be one or more of the following:

1. Top of pool deck or coping.
2. Secured rope.
3. Rail.
4. Rock, or artificial rocks with design handholds in rock.
5. Designed Ledge, minimum 3 inches deep, not more than 12 inches (305 mm) above the design waterline or 6 inches below.
6. Ladder.
7. Stair step.
8. Any design that allows holding on with one hand while at the side of the pool.
9. Individual tile handholds. Attachment must be made by an approved listed waterproof epoxy.
10. Vanishing edge sloping into the main body of water shall have a maximum wall thickness of 15 inches (381 mm) when used as a handhold.

324.1.3 Handhold spacing. Handholds shall be horizontally spaced not greater than 4 feet (1219 mm) apart.

Section 324.4, Wind Sensors

Add new Section 324.4 as follows:

324.4 Wind sensors. Water and fountains on commercial properties shall be equipped with an integral automatic wind sensor device calibrated to shut off airborne and moving water when wind velocity exceeds 20 miles per hour.

Section 324.5, Water Features

Add a new section 324.5 as follows:

324.5 Water features.

Manmade decorative water features and/or vanishing edge catch basins greater than 24 inches (610 mm) in depth with walls that are inclined greater than forty-five (45°) degrees, shall have a means of entry/egress complying with Sections 411 or 809.

Section 327, Site Work, Setbacks & Clearance Requirements

Add a new section 327 as follows:

SECTION 327 - SITE WORK, SETBACKS AND CLEARANCE REQUIREMENTS

327.1 Site Work. Excavation areas shall be protected so that they do not endanger life or property. Temporary barricades shall be maintained in place and kept in good order until permanent barriers are installed. It shall be the responsibility of the contractor or owner to verify property line locations prior to excavation.

327.2 Pool or Spa Location. Any pool or spa shall not be placed closer than 60 inches (1524 mm) to a building or structure and shall not encroach within public utility easements.

Exception: An exception may be permitted when substantiation is provided by a Nevada Licensed Structural or Civil Engineer that no damage will occur to buildings, structures or adjacent properties and that no unsafe structural conditions will exist.

327.3 Drainage. Site Drainage shall be provided to direct all drainage from site, perimeter decks, and roofs away from the pool or spa and adjacent buildings and structures. Overall site drainage shall be maintained.

327.4 Overhead Conductor Clearances. Overhead conductors shall meet the clearance requirements in this section. Where a minimum clearance from the water level is given, the measurement shall be taken from the maximum water level of the specified body of water.

324.4.1 Power. With respect to service drop conductors and open overhead service conductors, and open overhead wiring, swimming pool and similar installations shall comply with minimum clearances given in NEC Table 680.9(A) and illustrated in NEC Figure 680.9(A).

324.4.2 Communications Systems. Communication, radio, and television coaxial cables within the scope of Articles 800 through 820 of the NEC shall be permitted at a height of not less than 10 feet (3.0 m) above swimming and wading pools, diving structures, and observation stands, towers, or platforms.

Section 401.1, Scope

Revise Section 401.1 as follows:

401.1. Scope. The provisions of this chapter shall apply only to Class A, Class B, Class C, Class E, and Class F public swimming pools. In addition to the provisions of this chapter, public swimming pools shall first be reviewed and approved by the Southern Nevada Health District.

Section 401.5, Floor Slope

Revise floor slope for public pools as follows:

401.5 Floor slope. Except where required to meet the accessibility requirements in accordance with Section 307.1.5, the slope of the floor in the shallow area of a pool shall not exceed 1 unit vertical in 12 units horizontal (8-percent slope). The slope limit shall apply in any direction to the point of the first slope change, where a slope change exists. The point of the first slope change shall be defined as the point at which the floor slope exceeds 1 unit vertical in 12 units horizontal (8-percent slope).

Table 407.2, Turnover Rate

Revise Table 407.2 Turnover rate as follows:

TABLE 407.2 TURNOVER RATE

SWIMMING POOL CATEGORY	TURNOVER RATE IN HOURS
Class A, B, and C pools	Hours equal 1 ¹ / ₂ times the average depth of pool in feet not to exceed 6 hours
Wading pools	.5

For SI: 1 foot = 304.8 mm.

Section 407.4.3, Floor Inlets

Revise section 407.4.3 as follows:

407.4.3 Floor inlets.

Floor inlets shall be required for pools that are greater than 35 feet (10.7 m) wide. The spacing between floor inlets shall not exceed 15 feet (4.6 m). Pools having only floor inlets shall have such inlets located within 10 feet (3.0m) of the nearest side wall. Where wall inlets are used in combination with floor inlets, the floor inlets shall be located not greater than 10 feet (3.0 m) from the nearest side walls.

Section 407.4.4, Wall Inlets

Revise section 407.4.4 as follows:

407.4.4 Wall inlets. The spacing between wall inlets shall not exceed 15 feet (4.6 m), measured along the perimeter waterline.

Section 410, Floor Drains

Add a floor drain requirement for public pool restrooms as follows:

410.2 Floor drains. Floor drains shall be provided in sanitary facilities serving public pools to prevent standing water at all times.