

**APPENDIX G**  
**SWIMMING POOLS, SPAS AND HOT TUBS**  
**(with changes, exceptions, additions and deletions provided in Chapter 10 of the**  
**Homewood Municipal Code)**

**Section 10-526 GENERAL**

**10-526 General.** The ICC International Swimming Pool and Spa Code, 2018 Edition, is hereby adopted by reference in its entirety, subject to the exceptions, deletions, changes and additions as noted in Section 10-527. A copy of the ICC International Mechanical Code shall be kept on file in the office of the building official and available for public use, inspection and examination.

**Section 201 DEFINITIONS**

**201.1 General.** For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2 (ISPSC).

**ABOVE-GROUND/ON-GROUND POOL.** See “Residential swimming pool.”

**BARRIER.** A permanent fence, walls, building wall, or combination thereof that completely surrounds the pool or spa and obstructs access to the pool or spa. The term “permanent” shall mean not being able to be removed, lifted, or replaced without the use of a tool.

**EXERCISE SPA.** Variants of a spa in which the design and construction includes specific features and equipment to produce a water flow intended to allow recreational physical activity including, but not limited to, swimming in place.

**HOT TUB.** See “Self-contained spa.”

**RESIDENTIAL.** That which is situated on the premises of a detached one-or two-family dwellings and townhouses not more than three stories in height.

**RESIDENTIAL SWIMMING POOL.** A pool intended for use that is accessory to a residential setting and available only to the household and its guests. This includes in-ground, aboveground, and on-ground swimming pools, hot tubs and spas.

**SPA, PORTABLE RESIDENTIAL.** A nonpermanent structure intended for recreational bathing in which all controls, water-heating and water-circulating equipment are an integral part of the product.

**SPA, SELF-CONTAINED.** A factory-built spa in which all control, water heating and water-circulating equipment is an integral part of the product. Self-contained spas may be permanently wired or cord connected.

**ARTICLE XI SWIMMING POOL AND SPA CODE**

**HZO Section 8 Table 8.1.** No portion of an outdoor private residential swimming pool including the appurtenant equipment (pumps, filters, etc.) shall be located at a distance less than 10 feet (3048 mm) from any side or rear property line or any main or accessory building. No appurtenant equipment serving the swimming pool shall be permitted in the required side yard between dwellings.

**NEC 680.9 Electrical conductors.** No pool shall be located under or within the immediate area of overhead electrical conductors.

**107.7 Unsafe Systems.** Any system regulated by this code that is unsafe of that constitutes a fire or health hazard, insanitary condition, or is otherwise dangerous to human life is hereby unsafe. Any such system is hereby declared to be a public nuisance and shall be abated by repair, rehabilitation, demolition or removal.

**107.8 Abandoned pools.** Unused pools not occupied or used for a period of 30 days shall be drained or covered with an approved pool cover. Abandoned pools shall be removed or filled to grade of adjacent land.

## **106 Inspection**

**106.20.1 Request by owner.** The owner of every swimming pool shall request an inspection by the village of the pool during the 30 days following May 1 of each year an inspection is required, or within ten days of placing the pool in operation for each year an inspection is required, whichever occurs earliest.

**106.20.2 Periodic inspections.** The village shall inspect all swimming pools and tub-type pools within the village limits upon installation and annually, except when a pool has been found to be in compliance with the code, subsequent inspections shall be scheduled on a biannual basis.

### **106.20.4 Authority to inspect and close.**

- (a) If the Village has reasonable cause to believe that any swimming pool or tub-type pool does not meet the operational requirements of this article, they shall authorize the environmentalist, village engineer, building inspector, code enforcement official or water division foreman to inspect such swimming pool.
- (b) If the inspecting officer finds that the operation of the pool does not meet applicable requirements of this article, or that such operation endangers the village water distribution or sanitary sewer collection systems, he may direct that the pool be closed until such time as the requirements of this article are met or the danger is corrected. It shall be a violation of this article to deny access to the pool to the authorities mentioned in subsection (a) of this section between the hours of 9:00 a.m. and 5:00 p.m.

**106.22.4 Inspection fee.** There shall be no fee imposed for the initial inspection or regular biannual inspection of a pool. The fee for re-inspection of a pool that

fails to meet the code requirements shall be in the amount as provided in the Village fee schedule.

## SECTION 321 LIGHTING

**Section 321.1 General.** The provisions of Sections 321.2 and 321.3 shall apply to lighting for public pools and spas. The provisions of Section 321.4 shall apply to lighting for residential pools and spas.

## CHAPTER 9 PERMANENT RESIDENTIAL SPAS AND PERMANENT RESIDENTIAL EXERCISE SPAS

### SECTION 901 GENERAL

**901.1 Scope.** This chapter shall govern the design, installation, construction and repair of permanently installed residential spas and exercise spas intended for residential use.

**901.2 General.** Permanent residential spas and permanent residential exercise spas shall comply with Chapter 5 except that Sections 504.1, 504.1.1, 508.1 and 509 shall not apply. Such spas shall comply with the requirements of Chapter 3.

### SECTION 902 SAFETY FEATURES

**902.1 Instructions and safety signage.** Instructions and safety signage shall comply with the manufacturer's recommendations and the requirements of the local jurisdiction.

### SECTION 305 BARRIER REQUIREMENTS

**305.1 General.** The provisions of this section shall apply to the design of barriers for restricting entry into areas having pools and spas. Where spas or hot tubs are equipped with a lockable safety cover complying with ASTM F1346 the areas where those spas, hot tubs or pools are located shall not be required to comply with Sections 305.2 through 305.7.

**305.2 Outdoor swimming pools and spas.** An outdoor swimming pools and spas and indoor swimming pools shall be surrounded by a barrier that complies with the following:

1. The top of the barrier shall be at least 72 inches (1829 mm) above grade measured on the side of the barrier which faces away from the swimming pool. Such height shall exist around the entire perimeter of the barrier for a distance of 10 feet (3048 mm) measured horizontally from the outside of the barrier.  
The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier

which faces away from the swimming pool. Where the barrier is mounted on the top of the pool or spa, the vertical clearance between the top of the pool or spa and the bottom of the barrier shall not exceed 4 inches (102 mm).

**305.2.2 Openings.** Openings in the barrier or fence shall not allow passage of a 4-inch-diameter (102 mm) sphere.

**305.2.3 Solid Barrier Surfaces.** Solid barriers that do not have openings shall not contain indentions or protrusions that form handholds, except for normal construction tolerances and tooled masonry joints.

**305.2.4 Mesh Fence as Barrier.** Mesh fences, other than chain link fences in accordance with the manufacturer's instructions and shall comply with the following:

1. The bottom of the mesh fence shall be not more than 1 inch (25 mm) above the deck or installed surface or grade.
2. The maximum vertical clearance from the bottom of the mesh fence and the solid surface shall not permit the fence to be lifted more than 4 inches (102 mm) from grade or decking.
3. The fence shall be designed and constructed so that it does not allow passage of a 4-inch (102 MM) sphere under any mesh panel. The maximum vertical clearance from the bottom of the mesh fence and the solid surface shall be not greater than 4-inches (102 mm) from grade or decking.
4. An attachment device shall attached each barrier section at a height not lower than 45-inches (1143 mm) above grade.
5. Where a hinged gate is used with a mesh fence, the gate shall comply with Section 305.3.
6. Patio deck sleeves such as vertical post receptacles that are placed inside the patio surface shall be of a nonconductive material.
7. Mesh fences shall not be installed on top of onground residential pools.

**305.2.5 Closely Spaced Horizontal Members.** Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less pool or spa side of the fence. Spacing between vertical members shall not exceed 1.75 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

**305.2.6 Widely Spaced Horizontal Members.** Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches (44 mm) in width.

**305.2.7 Chain Link Dimensions.** The maximum opening formed by a chain link fence shall be not more than 1.75 inches (44 mm). Where the fence is provided with slats fastened at the top and bottom that reduce the openings, such openings shall be not greater than 1.75 inches (44 mm).

**305.2.8 Diagonal Members.** Where the barrier is composed of diagonal members, the maximum opening formed by the diagonal members shall be not greater than 1.75 inches (44 mm). The angle of diagonal members shall be not greater than 45 degrees (.79 rad) from vertical.

**305.3 Gates.** Access gates shall comply with the requirements of Sections 305.3.1 through 305.3.3 and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool or spa, shall be self-closing and have a self-latching device.

**305.3.1 Utility or Service Gates.** Gates not intended for pedestrian use, such as utility or service gates, shall remain locked when not in use.

**305.3.2 Double Or Multiple Gates.** Double gates or multiple gates shall have not fewer than one leaf secured in place and the adjacent leaf shall be secured with a self-latching device. The gate and barrier shall not have openings larger than .5 inches (12.7 mm) within 18 inches (457 mm) of the latch release mechanism. The self-latching device shall comply with the requirements of Section 305.3.3.

**305.3.3 Latches.** Where the release mechanism of the self-latching device is located less than 54 inches (372 mm) from grade, the release mechanism shall be located on the pool or spa side of the gate and not less than 3 inches (76 mm) below the top of the gate, and the gate and barrier shall not have openings greater than .5 inches (12.7 mm) within 18 inches (457 mm) of the release mechanism.

**305.5 Onground Residential Pool Structure As A Barrier.** An onground residential pool wall structure or a barrier mounted on top of an onground residential pool wall structure shall serve as a barrier where all of the following conditions are present:

1. Where only the pool wall serves as the barrier, the bottom of the wall is on grade, the top of the wall is not less than 72 inches (1829 mm) above grade for the entire perimeter of the pool, the wall complies with the

requirements of Section 305.2 and the pool manufacturer allows the wall to serve as a barrier.

2. Where a barrier is mounted on top of the pool wall, the top of the barrier is not less than 72 inches (1829 mm) above grade for the entire perimeter of the pool, and the wall and the barrier on top of the wall comply with the requirements of Section 305.2

3. Ladders or steps used as means of access to the pool are capable of being secured, locked or removed to prevent access except where the ladder or steps are surrounded by a barrier that meets the requirements of Section 305.

4. Openings created by the securing, locking or removal of ladders and steps do not allow the passage of a 4-inch (102 mm) diameter sphere.

5. Barriers that are mounted on top of onground residential pool walls are installed in accordance with the pool manufacturer's instructions.

## **SECTION 310 SUCTION ENTRAPMENT AVOIDANCE**

**310.1 General.** Suction entrapment avoidance for pools and spas shall be provided in accordance with APSP 7.

### **Exceptions:**

1. Portable spas and portable exercise spas listed and labeled in accordance with UL 1563 or CSA C22.2 No. 218.1

2. Suction entrapment avoidance for wading pools shall be provided in accordance with Section 405.

## **SECTION 314 RETURN AND SUCTION FITTINGS**

**314.1 General.** The provisions of this section apply to return and suction fittings for pools and spas.

**Exception:** Portable residential spas and portable residential exercise spas.

**314.2 Entrapment Avoidance.** Entrapment avoidance means shall be provided in accordance with Section 310.

**314.5 Vacuum Fittings.** Where installed, submerged vacuum fittings shall be accessible and shall be located no greater than 12 inches (305 mm) below the water level.

## CHAPTER 11 REFERENCE STANDARDS

ANSI	American National Standards Institute 25 West 43 <sup>rd</sup> Street, 4 <sup>th</sup> Floor, New York, NY 10036
ASTM	ASTM International 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428
APSP	The Association of Pool & Spa Professionals 2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314

### **ANSI/APSP**

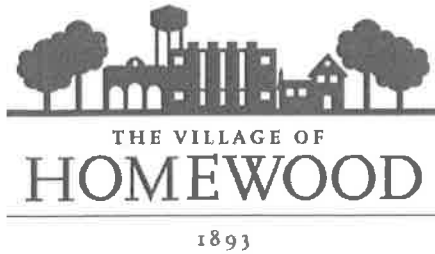
ANSI/APSP/ICC 4-12      American National Standard for  
Aboveground/Onground  
Residential Swimming Pools

ANSI/APSP/ICC 16-11      American National Standard for  
Energy Efficiency Residential  
Inground Swimming Pool and Spas

ANSI/APSP/ICC 16-11      American National Standard for  
Suction Fittings for Use in  
Swimming Pools, Wading Pools,  
Spas and Hot Tubs

### **ASTM**

ASTM F 1346-91 (2010)      Standard Performance  
Specification for Safety Covers  
and labeling Requirements for All  
Covers for Swimming Pools, Spas  
and Hot Tubs



**Village Hall**  
2020 Chestnut Road  
Homewood, IL 60430  
708-798-3000

*Village Manager's Office*  
708-206-3377

*Community Development  
and Building Department*  
708-206-3385

*Finance Department*  
708-798-3000

**Fire Department**  
17950 Dixie Highway  
Homewood, IL 60430  
708-206-3400

**Police Department**  
17950 Dixie Highway  
Homewood, IL 60430  
708-206-3420

**Public Works Department**  
17755 Ashland Avenue  
Homewood, IL 60430  
708-206-3470

I, as the responsible adult in charge of the pool premises, have read, Swimming Pools, Spas and Hot Tubs, of the International Code Council International Swimming Pool and Spa Code 2018 Edition with the changes, exceptions, additions and deletions provided in Chapter 22 of the Homewood Municipal Code and am familiar with the requirements set forth.

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Signature

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Address of pool premises

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Print Name

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Date