



## *Town of Marshfield*

Building / Zoning Department  
870 Moraine Street  
Marshfield, Massachusetts 02050  
Tel: 781-834-5555 Fax: 781-834-6289

### **POOL REGULATIONS**

The following information is to inform you of the proper codes and setbacks for above-ground and in-ground pools and fences. The following information is important in helping you decide in which size pool to invest.

#### **Setbacks**

From Street Front Property Line      R-1 = 40 ft.      R-2 = 40 ft.      R-3 = 15 ft.  
10 Feet From Lot Sidelines, From Rear Lot Lines  
10 Feet From House and any other structure  
10 Feet From Septic Tank and 20 Feet From Leaching Field

POOL FENCE ENCLOSURES AND DOOR ALARMS SHALL BE AS OUTLINED IN THE ATTACHED REGULATIONS FROM THE STATE BUILDING CODE (780 CCMR STATE BOARD OF BUILDING REGULATIONS AND STANDARDS: SECTION 421.9, 421.10, 421.11).

#### **Necessary documentation in PDF format for a pool permit:**

1. Plot Plan with the location and setbacks of the pool
2. Description of Pool
  - a. In-ground stamped construction drawings
  - b. Above-ground pool brochure with pool circled
3. Pool company/pool contractor's Certificate of Insurance showing carrier name, policy number and expiration date
4. Online permit application completed
5. Electrical permit
6. Board of Health completed Pool Form
7. Conservaton approval, if applicable

These regulations are governed by the Town of Marshfield Zoning By-laws, Massachusetts State Building Code and enforced by the Town of Marshfield Building/Zoning Enforcement Department.

#### **Fees:**

Swimming Pool, Residential \$10.00 per \$1,000.00 with a \$40.00 Minimum Permit Fee  
Swimming Pool, Commercial \$12.00 per \$1,000.00 with a \$80.00 Minimum Permit Fee

Electrical Permit, Swimming Pool, Residential: In Ground \$70.00, Above Ground \$70.00  
Electrical Permit, Swimming Pool, Commercial, Your Contract Cost of Entire Project times 1.5% of the Electrical Contract to \$100,000.00 and \$3.00 per thousand dollars over \$100,000.00



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### **International Swimming Pool and Spas Code**

#### **Chapter 1 – General**

**Section 101 General.** The provisions of this shall control the design and construction of swimming pools and spas installed in or on the *lot* of a one- or two-family dwelling.

**Section 304.3 Pools In Flood Hazard Areas.** Pools that are located in flood hazard areas including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Sections 304.21 or 304.2.2.

**Exception:** Pools located in riverine flood hazard areas which are outside of designated floodways.

**Section 304.2.1 Pools located in designated floodways.** Where pools are located in designated floodways, documentation shall be submitted to the *building official*, which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the *jurisdiction*.

**Section 304.2.2 Pools located where flood ways have not been designated.** Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the *jurisdiction*.

**Section 201.4 General.** For the purposes of these requirements, the terms used shall be defined as follow and as set forth in Definitions – Chapter 2.

#### **Chapter 2 – Definitions**

**Above-Ground/On-Ground Pool.** See Residential Swimming Pool – See Definitions – Chapter 2.

**Barrier.** A fence, wall, building wall or combination thereof which surrounds the swimming pool and obstructs access to the swimming pool. See Definitions – Chapter 2.

**In-Ground.** See Residential Swimming Pool – See Definitions – Chapter 2.

**Residential.** That which is situated on the premises of a detached one- or two-family dwelling or a one-family *townhouse* not more than three stories in height.

**Spa, Nonportable.** See Permanent Residential Spa – Definitions – Chapter 2.



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

**Swimming Pool.** Any structure intended for swimming or recreational bathing that contains water over 24 inches (610 mm) deep. This includes in-ground, above-ground, on-ground swimming pools and spas.

**Swimming Pool, Indoor.** A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

**Swimming Pool, Outdoor.** Any swimming pool which is not an indoor pool.

### **Chapter 7 Swimming Pools**

**Above-ground and on-ground pools.** Above-ground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG108.

### **Chapter 8 Swimming Pools**

**In-ground pools.** In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

**IRC. Pools in flood hazard areas.** In flood hazard areas established by Table R301.2 (1), pools in coastal high hazard areas shall be designed and constructed in conformance with ASCE 24.

**Chapter 9 Permanently installed spas.** Permanently installed spas shall be designed and constructed in conformance with ANSI/NSPI-3 as listed in Section AG108.

**Chapter 10 Portable spas.** Portable spas shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG108.

### **Chapter 3 Barrier Requirements**

**305.1 General.** The provisions of this chapter shall control the design of barriers for residential swimming pools and spas. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools and spas.

**305.2 – 305.7. Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool or spa shall be surrounded by a barrier which shall comply with the following:



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### **BARRIER**

1. The top of the barrier shall be at least 48 inches (1219 mm) above *grade* measured on the side of the barrier which faces away from the swimming pool. 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 top of the pool structure is above grade, such as an above-ground pool, the barrier may be at the ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102mm).
2. Openings in the barrier shall not allow passage of a 4-inch diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 ¾ inches (44mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾ inches (44 mm) in width.
5. 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 ¾ inches (44mm) in width.
6. Maximum mesh size for chain link fences shall be 1 ¾ inches (44 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1 ¾ inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 ¾ inches (44 mm).
8. Access gates shall comply with the requirements of Section AG 105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
  - 8.1 The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and



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- 8.2 The gate barrier shall have no openings larger than ½ inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a *dwelling* serves as part of the barrier, one of the following conditions shall be met:
- 9.1 The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346;  
or
- 9.2 Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed and *labeled* in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
- 9.3 Other means of protection, such as self-closing doors with self-latching devices, which are *approved* by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.
10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
- 10.1 The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
- 10.2 The ladder or steps shall be surrounded by a barrier which meets the requirements of Section 305.5, Items 1 through 5. When the ladder or steps are secured, locked or removed, any openings created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

**Indoor swimming pool.** Walls surrounding an indoor swimming pool shall comply with Section 305.

**Prohibited locations.** Barriers shall be located to prohibit permanent structures, *equipment* or similar objects from being used to climb them.

### **SECTIONS 310, 314 and 405 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS**

**310.1 General.** Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.



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### **2015 INTERNATIONAL SWIMMING POOL AND SPA CODE 2015 INTERNATIONAL RESIDENTIAL CODE CHAPTER 42**







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## **MODEL AF** **STEP ENTRY SYSTEM** **with GATE**



24 INCH WIDTH

### **FEATURES & SPECS**

- Double step entry for easy climbing
- Self-closing, self-latching & lockable gate for safety & to meet code requirements
- Adjustable from 48" to 56" with 12" top rail clearance
- Minimal obstruction in pool - unit occupies only 22"
- Optional 12 volt in-pool light available
- Double, extended handrails on both sides for ease of climbing
- Anti skid treads & platform for safe entry & exit
- Easy assembly
- Maintenance free resin to maintain strength & color
- Stainless steel hardware
- Can be used with our resin pool fencing to totally enclose & protect pool



**ADD AN IN-POOL  
LIGHT TO ENHANCE  
THE POOL  
ENVIRONMENT**

**Visit our website for further  
product information**

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 [www.vinylworkscanada.com](http://www.vinylworkscanada.com)