

Permit shall become invalid if the authorized work is not commenced within six months after issuance of the permit or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work.

APPROVED BUILDING PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.

THIS SECTION FOR OFFICE USE ONLY

What's Required?

Owner Authorization
 Inspection Process form

Worker's Compensation Documentation
 State Registration or Contractor's License

Filter Specifications
 Fencing Specifications
 Alarm Specifications

3 sets of Building Plans – dated: _____ (if needed)

Delinquent taxes

Certificate of Occupancy

No Yes Rec'd

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Fees:

Date Received: _____

Amount: _____

Received By: _____

Reviewed by: _____

Date submitted to Bldg Dept: _____

Bldg Permit #: _____

Date issued: _____

The State of Connecticut Building Code Requirements for Swimming Pool Barriers
Based on the 2005 State Building Code
and the Connecticut Supplement

SECTION 3109
SWIMMING POOL ENCLOSURES AND SAFETY DEVICES

3109.1 General. Swimming pools shall comply with the requirements of this section and other applicable sections of this code.

3109.2 Definition. The following word and term shall, for the purposes of this section and as used elsewhere in this code, have the meaning shown herein.

SWIMMING POOLS. Any structure intended for swimming, recreational bathing or wading that contains water over 24 inches (610 mm) deep. This includes in-ground, above-ground and on-ground pools; hot tubs; spas and fixed-in-place wading pools.

3109.4 Swimming pool barriers. Residential and public swimming pool barriers shall comply with Sections 3109.4.1 through 3109.4.3.

Exception: A residential spa or hot tub with a safety cover complying with ASTM F 1346-91 (1996).

3109.4.1 Barrier height and clearances. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier that 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 that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is authorized to be at ground level or 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 (102 mm).

3109.4.1.1 Openings. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.

3109.4.1.2 Solid barrier surfaces. Solid barriers which do not have openings shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.

3109.4.1.3 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 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 1.75 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.

3109.4.1.4 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 or more, spacing between vertical members in residential pools shall not exceed 4 inches and spacing between vertical members in public pools shall not exceed 2 inches. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 inches.

3109.4.1.5 Chain link dimensions. Maximum mesh size for chain link fences shall be a 2.25 inch square (57 mm square) unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to no more than 1.75 inches (44 mm).

3109.4.1.6 Diagonal members. Where the barrier is composed of diagonal members, the maximum opening formed by the diagonal members shall be no more than 1.75 inches.

3109.4.1.7 Gates. Access gates shall comply with the requirements of Sections 3109.4.1.1 through 3109.4.1.6 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 gates 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 shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate, and the gate and barrier shall have no opening greater than 0.5 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.

3109.4.1.8 Dwelling wall as a barrier. Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:

1. Doors with direct access to the pool through that wall shall be equipped with an alarm that produces an audible warning when the door and its screen or storm door are opened. The alarm shall sound continuously for a minimum of 30 seconds within 7 seconds after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means to temporarily deactivate the alarm for a single opening. Such deactivation shall last no more than 15 seconds. The deactivation device shall be located a minimum of 54 inches above the door threshold.
2. The pool shall be equipped with a power safety cover which complies with ASTM F1346-91 (1996).
3. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches above the door threshold. Swinging doors shall open away from the pool area.

3109.4.1.9 Pool structure as a barrier. Where an above-ground or on-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, then the ladder or steps shall be surrounded by a barrier that meets the requirements of Sections 3109.4.1.1 through 3109.4.1.8.

Exception: A residential spa or hot tub with a safety cover complying with ASTM F 1346-91 (1996).

3109.4.2 Indoor swimming pools. Walls surrounding indoor swimming pools shall be required to comply with Section 3109.4.1.8.

3109.4.3 Prohibited locations. Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

3109.5 Entrapment avoidance. Entrapment avoidance shall be in accordance with the provisions of Section 11 of ANSI/NSPI-1 2003.

3109.6 Temporary enclosure. A temporary enclosure shall be installed prior to the commencement of the installation of any in-ground swimming pool unless the permanent barrier specified in Section 3109 is in place prior to the commencement of the installation. The temporary enclosure shall be a minimum of 4 feet in height, shall have no openings that will allow passage of a 4-inch sphere and shall be equipped with a positive latching device on any openings.

3109.7 Pool alarm. No building permit shall be issued for the construction or substantial alteration of a swimming pool at a residence occupied by, or being built for, one or more families unless a pool alarm is installed with the swimming pool. As used in this section, "pool alarm" means a device that emits a sound of at least 50 decibels when a person or an object weighing 15 pounds or more enters the water in a swimming pool.

Exception: Hot tubs and portable spas shall be exempt from this requirement.

I HAVE READ AND UNDERSTAND THE ABOVE CODE REQUIREMENTS AND AGREE TO
INSTALL THE POOL BARRIER ON MY PROPERTY IN COMPLIANCE WITH THE ABOVE.

SIGNATURE OF HOMEOWNER OR AUTHORIZED AGENT

ADDRESS OF HOMEOWNER _____

ADDRESS OF PROPERTY WHERE POOL IS BEING INSTALLED

DATE _____