

## **1994 CT. BUILDING CODE SEGIMENTS FOR SWIMMING POOL FENCING**

**623.10.1. Outdoor private swimming pool:** An outdoor private swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following:

- 1. The top of the barrier shall be at least 48 inches (1219 mm) above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between finished ground level and 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 finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be 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 (102 mm).**
- 2. Openings in the barrier shall not allow passage of a 4-inch (102 mm) diameter sphere.**
- 3. Solid barriers 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 3/4 inches (44 mm) in width. Decorative cutouts shall not exceed 1 3/4 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). Decorative cutouts shall not exceed 1 3/4 inches (44 mm) in width.**
- 6. Maximum mesh size for chain link fences shall be a 1 1/4 inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1 3/4 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 be not more than 1 3/4 inches (44 mm).**

**8. Access gates shall comply with the requirements of items 1 through 7 of Section S23.10.1, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards 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:(a) 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 (b )the gate and barrier -shall not have an opening greater than 1/2 inch (13 am) 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 shall apply:**

**(a) All 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 its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened. The alarm shall have a minimum sound pressure rating of 85 dBA at 10 feet (3048 mm) and the sound of the alarm shall be distinctive from other household sounds such as smoke alarms, telephones and door bells. The alarm shall automatically reset under all conditions. The alarm shall be equipped with manual means/ such as touch pads or switches, to temporarily deactivate the alarm for a single opening from either direction. Such deactivation shall last for not more than 15 seconds. The deactivation touch pads or switches shall be located at least 54 inches (1372 mm) above the threshold of the door. (b) The pool shall be equipped with an approved power safety cover.**

**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, the ladder or steps shall be surrounded by a barrier which meets the requirements of items 1 through 9 of Section 623.10.1.**

**(Add) 623.10.1.1 Protections from Occupancies: Doors from all occupied buildings leading into pool enclosures, whether indoor or outdoor, shall be required to have self-closing, self-latching hardware on the door when not in compliance with Section 623.10.1, Item 9.**

**(Add) 623.10.1.2 Temporary Enclosures:** A temporary enclosure shall be installed in accordance with Section 3005.2 prior to the commencement of the installation of any in-ground pool.

**Exception:** Where a permanent enclosure is provided prior to excavation.

**623.10.2 Indoor private swimming pool:** All walls surrounding an indoor private swimming pool shall comply with Section 623.10.1, item 9.

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

**623.10.4 Exemptions:** The following shall be exempt from the provisions of this section .

1. A spa or hot tub with an approved safety cover.
2. Fixtures which are drained after each use.

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**(A) Electrical bonding:** individual metallic elements must be bonded.

**Exception:** metal framed pools where all pieces are bolted together.

**(B) All bonding requires a minimum *HQ* solid copper wire.**

**(C) Anything metallic within 5 feet of the pool (including ladders) must be bonded together.**

**AND FILTER UNIT; (A) Pump motor must be listed for this use.**

**(B) Pump motor line cord:** maximum length of 36 inches, weatherproof, and a minimum of three #12 gauge wires with a twist lock plug.

**(C) Pool receptacle: location must be a minimum 5 feet from pool, single receptacle with three prong twist lock with an approved rain tight cover that can be used with the plug installed. Circuit serving receptacles must be a minimum of three #12 gauge insulated wires in an underground conduit, metallic or non-metallic, or MC Cable listed for the application, and GFCI protected. Cover over conduit must be 18 inches.**

**REQUIRED CONVENIENCE OUTLET:**

**Location within 10 to 20 feet of pool, a minimum of three #14 gauge wires, underground wiring, direct burial cable is OK on a GFCI protected - circuit.**

**ENCLOSURE:**

**Please ask for requirements that apply to you specifically. The building code requires that pools be enclosed.**