

Swimming Pool, Spas and Hot Tubs Enclosure and Drowning Prevention Features For Single-Family Residence

New and remodeled swimming pools or spas shall have an enclosure and two safety features.

Enclosure

Enclosure: meaning a fence, wall or other barrier that isolates a swimming pool from being accessed and is equipped with the following characteristics:

- (a)** Pedestrian access gates through the enclosure shall open away from the swimming pool and shall be self-closing with a self-latching device placed no lower than 60 inches above the finished surface. Any gates or doors not intended to provide pedestrian access, such as vehicle access gates, shall be equipped with lockable hardware, padlock and is to remain locked when not in use. Gates or doors with multiple leaf's shall have no fewer than one leaf secured in place.
- (b)** A minimum height of 60 inches measured from outside the pool enclosure.
- (c)** Openings from the ground (compacted dirt) to the bottom of the enclosure surfaces shall not allow the passage of a sphere equal to or greater than two inches in diameter.
- (d)** Openings such as those created by vertical pickets, wrought iron fences or dog doors shall not allow the passage of a sphere equal to or greater than four inches in diameter.
- (e)** Openings formed by deer fence, chain-link fence or decorative cutouts shall not be more than 1¾ inches in width.
- (f)** Where a barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches the horizontal members shall be located on the swimming pool side of the barrier and openings at the horizontal and vertical members shall not be more than 1¾ inches in width.
- (g)** An outside surface free of protrusions, cavities or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of five years to climb over.



Drowning Prevention Features

In addition to the pool “enclosure”, a new swimming pool/spa or the remodeling of an existing swimming pool/spa at a private single-family residence shall be equipped with at least two of the following seven drowning prevention safety features:

- (1)** A supplemental “enclosure” built so it fully isolates the swimming pool or spa from the private single-family residence.
 - (2)** Removable mesh fencing that meets American Society for Testing and Materials (ASTM) Specifications F2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device.
 - (3)** An approved safety pool cover. “Approved safety pool cover” means a manually or power-operated safety pool cover that meets all the performance standards of the American Society for Testing and Materials (ASTM), in compliance with standard F1346-91. *(Pairing 3 & 6 will only count as one feature)*
 - (4)** Exit alarms on the residences’ doors/operable windows that provide direct access to the swimming pool or spa. Alarms shall be listed in compliance with UL 2017 and set at a minimum 54 inches above the interior floor. Alarm shall start within 7 seconds after the door/window is opened. The alarm should be at least 85 dB, when measured 10 feet away. The alarm sound should be distinct from other sounds in the house, such as the telephone or doorbell. The alarm should have an automatic reset feature to deactivate the alarm temporarily for up to 15 seconds. Alarms may be battery operated. *(Pairing 4 & 5 will only count as one feature)*
 - (5)** A self-closing, self-latching device with a release mechanism placed no less than 54 inches above the interior floor on the private single-family residence’s doors providing direct access to the swimming pool or spa. *(Pairing 4 & 5 will only count as one feature)*
 - (6)** An alarm that, when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. The alarm shall meet and be independently certified to the ASTM Standard F2208 “Standard Safety Specification for Residential Pool Alarms,” which includes surface motion, pressure, sonar, laser and infrared type alarms.
A swimming protection alarm feature designed for individual use, including an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water, is not a qualifying drowning prevention safety feature. *(Pairing 3 & 6 will only count as one feature)*
 - (7)** Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the features set forth above and has been independently verified by an approved testing laboratory as meeting standards for those features established by the ASTM or the American Society of Mechanical Engineers (ASME).
- *The requirements of this article do not apply to hot tubs or spas with locking safety covers that comply with the American Society for Testing and Materials (ASTMF1346)*

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Drowning Prevention Features Certificate of Compliance - Single-Family Residence -

In addition to the City Inspectors' approval, the property owner must complete this Certificate of Compliance before the City of Livermore will issue the final permit for the pool or spa.

California law requires that when a building permit is issued for the construction of a new swimming pool or spa or the remodeling of an existing swimming pool or spa at a private single-family home, the respective swimming pool or spa shall be equipped with at least two drowning prevention features.

Listed below are the two drowning prevention features installed on this pool or spa:

Drowning Prevention Feature #1:

Drowning Prevention Feature #2:

Property Address: _____

Building Permit Number: _____

I am the owner of the above-referenced property. I hereby certify that two of the seven required safety features have been installed in accordance with the requirements set forth by California State Law (ARTICLE 2.5. The Swimming Pool Safety Act [115922]). I declare under penalty of perjury that the foregoing statement is true.

Property Owner's Name (printed): _____

Property Owner's Signature: _____ **Date:** _____