

POOL SAFETY FEATURES

California Health and Safety Code
Division 104, Part 10, Chapter 5, Article 2.5, Section 115922

Any pool for which a construction permit was issued after December 31, 1997 is required to be equipped with one of the following secondary safety features:

- ❑ The pool shall be isolated from the dwelling unit by a continuous enclosure, which complies with the requirements of the city's pool enclosure standards. There shall be no direct access to the pool area from the dwelling unit.
- ❑ The pool shall be equipped with a manual or power operated safety pool cover complying with ASTM Standard F1346-91.
- ❑ Each door providing direct access to the pool shall be equipped with a separate battery operated exit alarm or an alarm which is connected to the building's electric system. The alarm shall make an audible, continuous alarm sound when the door is opened or left ajar.
- ❑ Each door providing direct access to the pool shall be equipped with a self-closing, self-latching device with the latch release mechanism located no less than 54" above the floor. As the door is opened it shall swing away from the pool area.
- ❑ A spa or hot tub may have a locking safety cover that complies with ASTM-ES-13-89.

Any other means of protection, which the Building Official determines will provide equal or greater protection than the items listed above.

As per 2010 CBC 2406.3 Item 9, glass in walls and fences used as the barrier for indoor and outdoor swimming pools and spas shall be tempered glass when the following conditions are present:

- ❑ The bottom edge of the glass is less than 60 inches above the pool side of the glass and the glass is within 60 inches of a swimming pool or spa water's edge.

CITY OF BREA BUILDING & SAFETY DIVISION INFORMATION STANDARDS

Site

- All construction shall be in accordance with expansive soil details unless a soils report is provided indicating other soil conditions exist.
- At the first inspection the contractor shall identify the location of all property lines, easements, utility lines or pipes and site drainage patterns.
- If the construction of a pool, spa or hot tub alters the existing site drainage, new drainage plans shall be submitted for approval by the city engineer.
- All pool/spa equipment shall be located a minimum of 5 feet from any property line.

Electrical

- All receptacles shall be located at least 6 feet from the pool/spa and at least one 120 volt convenience outlet shall be installed not more than 20 feet from the pool/spa edge.
- All receptacles located less than 25 feet from the pool/spa shall be GFI protected. All receptacles located outside of a weatherproof enclosure shall be installed using weatherproof electrical components.
- Use of non-metallic conduit for wet niche underwater fixtures will require an 8 gage insulated solid copper wire to be installed as a grounding conductor.
- No lighting fixture, lighting outlet or ceiling fan shall be located less than 12 feet above the pool/spa or any area within 5 feet of the pool/spa.
- Lighting fixtures more than 5 feet but less than 10 feet from the pool/spa shall be GFI protected.
- Switching devices shall be 5 feet minimum from the pool/spa.
- All construction metal within 5 feet of the pool/spa shall be bonded together.
- Overhead conductors shall maintain a minimum clearance from the pool/spa as per Edison requirements.
- A clearly marked emergency shutoff switch shall be installed adjacent to the spa. The switch shall control both the re-circulation and aeration systems.
- Yard lighting within 10 feet of the pool/spa shall be GFI protected.

As per 2010 CEC 680.8, overhead conductors shall meet the following clearance requirements:

	Insulated cables, 0-750 volts to ground, supported on and cabled together with an effectively grounded Bare Messenger or effectively grounded Neutral Conductor	All other conductors <u>Voltage to Ground</u>	
		0-15kV	Over 15 thru 50kV
A Clearance in any direction to the water level, edge of water surface, base of diving platform, or permanently anchored raft	22.5 feet	25 feet	27 feet
B Clearance in any direction to the observation stand, tower, or diving platform	14.5 feet	17 feet	18 feet
C Horizontal limit of clearance measured from the inside wall of the pool	This limit shall extend to the outer edge of the structures listed in A and B of this table but not less than 10 feet		

As per 2010 CEC 680.8 (B), communication, radio and television coaxial cables shall be permitted at a height of not less than 10 feet above swimming and wading pools, diving structures, and observation stands, towers or platforms.

Plumbing

Back was disposal into minimum 3 inch P-trap by means of an air gap is required in the City of Brea on all pools and spas with the tank capacity of 750 gallons, by direction of the City Building Official.

(2010 CPC 304.0) All plumbing fixtures, drains, appurtenances and appliances, used to receive or discharge liquid wastes or sewage, shall be connected properly to the drainage system of the building or premises.

Virginia Graeme Baker Pool and Spa Safety Act

Drain Cover Standard – each swimming pool or spa drain cover manufactured, distributed, or entered into commerce in the United States shall conform to the entrapment protection standards of the ASME/ANSI A112.19.8 performance standard. All pools and spas shall be equipped with devices and systems designed to prevent entrapment by pool or spa drains. Pools and spas shall have: 1) more than 1 drain; 2) 1 or more unblockable drains; or 3) no main drain; 4) every swimming pool and spa that has a main drain, other than an unblockable drain, shall be equipped with a drain cover that meets the consumer product safety standard.