

**45-DAY EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH**

**REGARDING PROPOSED CHANGES TO
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2
CHAPTER 31 B
PUBLIC SWIMMING POOLS**

LEGEND FOR EXPRESS TERMS

1. Existing California amendments or code language being modified are in italics when they appear in the model code text: All such language appears in *italics*, modified language is underlined.
2. New California amendments: All such language appears underlined and in italics.
3. Repealed text: All such language appears in ~~strikeout~~.

1) Amend Section 3101B as follows:

SECTION 3101B

SCOPE

The provisions of this chapter shall apply to the construction, installation, renovation, alteration, addition, relocation, replacement or use of any public pool and to its ancillary facilities, mechanical equipment and related piping. Public pools include those located in or designated as the following: commercial building, hotel, motel, resort, recreational vehicle or mobile home park, campground, apartment house, condominium, townhouse, homeowner association, club, community building or area, public or private school, health club or establishment, water park, swim school, medical facility, bed and breakfast, licensed day-care facility, recreation and park district, and municipal pools.

2) Amend Section 3102B as follows:

SECTION 3102B

DEFINITIONS

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EFFECTIVE PARTICLE SIZE is the theoretical size of a sieve in mm that will pass 10 percent by weight of sand.

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POOL USER is a person using a pool and ancillary facilities for the purpose of water activities such as diving, swimming or wading.

..

SLIP RESISTANT is a rough finish that is not abrasive to the bare foot surface that has a wet static coefficient of friction greater than or equal to 0.60.

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WATERLINE shall be defined ~~in~~ as one of the following:

1. *Skimmer systems The waterline shall be the midpoint of the operating range of the skimmers.*
2. *Overflow system: The waterline shall be the top edge of the overflow rim.*

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3) Amend Section 3105B as follows:

SECTION 3105B

PLAN COMPLIANCE INSPECTIONS

3105B The pool owner, operator or designated agent shall notify the enforcing agent prior to scheduling the following inspections:

- 1. Exposed plumbing; and*
- 2. Prior to applying pneumatically placed concrete; and*
- 3. Prior to applying the final surface to the pool shell; and*
- 4. At the completion of construction. No pool shall be opened to the public without the written approval of the enforcing agent.*

~~*3105B.2 The enforcing agency shall require that sufficient evidence or proof be submitted to substantiate any claims that may be made regarding its use.*~~

~~*3105B.3 Whenever there is insufficient evidence of compliance with the provisions of this chapter, the enforcing agency may require tests as proof of compliance to be made at no expense to the enforcing agency. Tests shall be made in accordance with approved standards, but in the absence of such standards, the enforcing agency shall specify the test procedure.*~~

4) Amend Section 3106B as follows:

SECTION 3106B

SPECIAL REQUIREMENTS FOR SPRAY GROUNDS

~~3106B~~ 3106B. *Spray grounds. All applicable provisions of this chapter shall apply to a spray ground unless specifically addressed in this section.*

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3106B.8 When multiple pumps are used, the control systems for the spray ground water feature pump and recirculation system pump shall be electrically interconnected so that when the recirculation pump is off, the spray ground water feature pump also is off.

3106B.9 The spray ground shall have a surge basin or treatment tank constructed of materials which are inert, corrosion resistant, nontoxic and watertight including materials such as concrete, fiberglass, high density polyethylene, stainless steel or other materials as approved by the enforcing agent which can withstand all anticipated loadings under full and empty conditions as determined by an engineer or architect ~~as defined in this chapter~~ who has experience working on public pools.

3106B.10 The total volume of the surge basin shall be at least 4,000 gallons or a minimum of three times the ~~gpm~~ gallons per minute flow rate of all the spray ground pumps and the recirculation pump combined, whichever is higher.

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3106B.18 The ultraviolet light unit shall be located on the recirculation system and shall be installed to provide treated water directly to the spray features.

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5) Amend Section 3108B as follows:

SECTION 3108B

POOL CONSTRUCTION

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3108B.2 Finish. The finished pool shell shall be lined with a smooth waterproof interior finish that will withstand repeated brushing, scrubbing, and cleaning procedures. The interior pool finish shall completely line the pool to the tile lines, coping, or cantilevered deck.

3108B.3 Finish color. The finish color shall be white except for the following which shall be of contrasting color:

- 1. Lane and other required pool markings described in Section 3110B; and*
- 2. The top surface edges of benches in spa pools; and*
- 3. The edge of pool steps; and*
- 4. Tiles installed at the waterline; and*
- 5. Tiles installed at the 4½-foot (1372 mm) depth line.*

Exception: A spa pool may be finished in a light color other than white when approved by the enforcing agent.

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6) Amend Section 3109B as follows:

SECTION 3109B

POOL GEOMETRY

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3109B.3 Bottom slope break. Any portion of a pool having a water depth of 4 ½ feet (1372 mm) or less shall have a uniform slope that shall not exceed 1 foot (305 mm) of vertical in 10 feet (3050 mm) of horizontal. In pools with water depths greater than 4 ½ feet (1372 mm), the slope shall meet the requirements in Figures 31B-1 through 31B-3. There shall be a uniform water depth along the entire base of the stairs.

7) Amend Section 3110B as follows:

SECTION 3110B
PERMANENT MARKINGS

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3110B.4.1 *Location. The water depth shall be clearly marked at the following locations:*

1. *Maximum depth; and*
2. *Minimum depth; and*
3. *Each end; and*
4. *Both sides at each end; and*
5. *At the break in the bottom slope between the shallow and deep portions of the pool (see also Section ~~3109B.4~~3109B.3); and*
6. *Along the perimeter of the pool at distances not to exceed 25 feet (7620 mm).*

Exception: A spa or wading pool shall have a minimum of two depth markers indicating the maximum depth.

3110B.4.2 *Position. Where required by Section 3110B.4.1, depth markers shall be located in the following positions:*

1. *On the coping or on the deck the depth markers shall be placed as close as possible but no more than 3 feet (914 mm) from the pool water; and*

2. *For pools with skimmer systems the depth markers shall be high at the waterline which typically will result in the depth markers being submerged approximately 50 percent; or*
3. *For pools with perimeter overflow systems where coping cantilevers over the gutter depth markers may be positioned at the face of the cantilevered coping, the back wall above the gutter or immediately below the waterline which will result in the depth markers being completely submerged; or*
4. *For pools with rim flow gutters, depth markers shall be positioned immediately below the waterline which will result in the depth markers being completely submerged.*

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8) Amend Section 3114B as follows:

SECTION 3114B

POOL DECKS

3114B.1 General. A minimum continuous and unobstructed 4-foot wide (1219 mm) slip resistant, cleanable, nonabrasive deck area of concrete or like material shall be provided flush with the top of the pool coping extending completely around the pool, and the deck area shall further extend 4 feet (1219 mm) on both sides and rear of any diving board, fixed disabled access assistance device or slide and their appurtenances. The deck width shall be measured from the poolside edge of the coping lip.

Exception: A deck at least 4 feet (1219 mm) in width shall extend around a continuous 50 percent or more of the perimeter of a spa pool. For spa pools that have their walls extending above the ground or floor level, the deck area requirement shall apply at the ground or floor level unless otherwise approved in writing by the enforcing agent.

Note: [DSA-AC] Any mechanism provided to assist persons with disabilities in gaining entry into the pool and in exiting from the pool shall comply with Chapter 11B, Section ~~1104B4.3~~ 1104B.4.3 Participation Areas.

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9) Amend Section 3116B as follows:

SECTION 3116B
BATHHOUSE, DRESSING, SHOWER
AND TOILET FACILITIES

3116B.1 Shower and dressing facilities shall be provided for users of a pool.

Exceptions:

- 1. Shower and dressing facilities may not be required when ~~bathers~~pool users have access to such facilities in adjacent living quarters.*
- 2. Public toilet facilities may be omitted when ~~bathers~~pool users have access to toilet facilities either in living quarters located not more than 300 feet (91,440 mm) in travel distance from the pool, or in an adjacent building such as a recreational facility, clubhouse or cabana.*

3116B.2 Number of sanitary facilities. For the purpose of this subsection, one ~~bather~~pool user shall be considered for every 15 square feet (1.39 m²) of pool water surface area.

3116B.2.1 Showers. One shower shall be provided for every 50 ~~bathers~~pool users.

3116B.2.2 Toilets. Separate toilet facilities shall be provided for each sex. One toilet shall be provided for every 60 women or less and one toilet plus one urinal for every 75 men or less.

3116B.2.3 Lavatories. One lavatory shall be provided for every 80 ~~bathers~~pool users.

3116B.3 Construction.

3116B.3.1 Floors. Floors shall have a hard, nonabsorbent surface, such as portland cement concrete, ceramic tile or other approved material, which extends upwards onto the wall at least 5 inches (127 mm) with a coved base. Floors which may be walked on by a wet batherpool user shall be slip resistant. Floors shall be sloped not less than $\frac{1}{4}$ inch (6.4 mm) per foot to floor drains or other approved surface water disposal areas. Carpeting and other similar artificial floor covering shall not be permitted on shower and toilet room floors.

~~Note: Rough rotary, raised rubber or wood float finish of concrete usually provides a slip-resistant finish.~~

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3116B.4.3 A means to limit the hot water to 110°F (61°C) maximum shall be provided to prevent scalding. This temperature limit control shall not be adjustable by the batherpool user.

10) Amend Section 3117B as follows:

SECTION 3117B
DRINKING FOUNTAINS

One guarded jet drinking fountain shall be provided for the first 250 ~~bathers~~pool users and an additional fountain shall be provided for each additional 200 ~~bathers~~pool users or fraction thereof. The number of ~~bathers~~pool users shall be determined according to Section 31168.2.

Exception: Drinking fountains shall not be required when drinking water is available at adjacent living quarters or in an adjacent building such as a bathhouse, cabana, clubhouse or recreational facility.

11) Amend Section 3118B as follows:

SECTION 3118B

HOSE BIBBS

Potable water outlets with hose attachments shall be protected by a nonremovable hose bibb backflow preventer, a nonremovable hose bibb vacuum breaker, or by an atmospheric vacuum breaker installed not less than 6 inches (152 mm) above the highest point of usage located on the discharge side of the last valve as required by the California Plumbing Code. In climates where freezing temperatures occur, a listed self-draining frost-proof hose bibb with an integral backflow preventer or vacuum breaker shall be used. Hose bibbs shall be provided so that all portions of the pool deck area may be reached with a 75 foot length of hose attached to the hose bibb. A hose bibb shall be provided in the equipment area. Hose bibbs shall be located so that they do not constitute a hazard.

12) Amend Section 3119B as follows:

SECTION 3119B

POOL ENCLOSURE

3119B.1 Enclosure. The pool shall be enclosed by one or a combination of the following: a fence; a portion of a building; a wall; or other approved durable enclosure. Doors, windows, gates of living units or associated private premises shall not be permitted as part of the pool enclosure. The enclosure, doors and gates shall meet all of the following specifications:

- 1. The enclosure shall have a minimum effective perpendicular height of 5 feet (1524 mm) as measured from the outside as depicted in Figure 31B-4; and*
- 2. Openings, holes or gaps in the enclosure, doors and/or gates shall not allow the passage of a 4-inch (102 mm) diameter sphere. The enclosure shall be constructed over a hard and permanent material equivalent to concrete; and*
- 3. The enclosure shall be designed and constructed so that it cannot be readily climbed by small children. Horizontal and diagonal member designs which might serve as a ladder for small children are prohibited. Horizontal members shall be spaced at least 48 inches (1219 mm) apart. No planters or other structures that can be climbed shall be permitted within 5 feet (1524 mm) of the outside of the pool enclosure or within a 5 foot (1524 mm) arc as depicted in Figure 31B-5. The area 5 feet (1524 mm) outside of the pool enclosure shall be a common area open to the public; and*
- 4. Chain link may be used, provided that the openings are not greater than 1 ¾ inches (44 mm) measured horizontally.*

13) Amend Section 3120B as follows:

SECTION 3120B
REQUIRED SIGNS

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3120B.4 No lifeguard sign. Where no lifeguard service is provided, a ~~warning~~ sign shall be posted stating, "~~WARNING: NO LIFEGUARD ON DUTY.~~" The sign also shall state in letters at least 1 inch (25 mm) high,

"Children under the age of 14 shall not use pool without a parent or adult guardian in attendance."

3120B.5 Artificial respiration and ~~CPR~~cardiopulmonary resuscitation sign. An illustrated diagram with text at least ¼ inch (6 mm) high of artificial respiration and ~~CPR~~cardiopulmonary resuscitation procedures shall be posted.

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3120B.15 Gaseous oxidizer. Where automatic gaseous chlorine chemical feeders are used, a warning sign with the appropriate hazard identification symbol shall be posted on the exterior side of the door entering the chemical feeder room or area. The sign shall state, "DANGER: GASEOUS OXIDIZER - (specific-chemical name)," or as otherwise required by the California Fire Code.

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14) Amend Section 3122B as follows:

SECTION 3122B

POOL EQUIPMENT ENCLOSURE

For pools constructed on or after January 1, 2013, pool equipment shall be enclosed as follows:

- 1. All equipment installed for recirculation, filtration and disinfection of pool water shall be installed so that access is limited to persons authorized by the pool owner or operator; and*
- 2. Pool equipment shall be mounted on a continuous slab of concrete or other equivalent easily cleanable and nonabsorbent material; and*
- 3. Floors shall be sloped a minimum of ¼ inch (6.4 mm) per foot to a drain.*

15) Amend Section 3124B as follows:

**SECTION 3124B
TURNOVER TIME**

The recirculation system shall have the capacity to provide a complete turnover of pool water in:

- 1. One-half hour or less for a spa pool; and*
- 2. One-half hour or less for a spray ground; and*
- 3. One hour or less for a wading pool; and*
- 4. Two hours or less for a medical pool; and*
- 5. Six hours or less for all other types of public pools.*

16) Amend Section 3125B as follows:

SECTION 3125B
RECIRCULATION PIPING
SYSTEM AND COMPONENTS

3125B.1 Line sizes. Pipes shall be sized so flow velocity of piping systems including all ~~parts~~pipes and fittings other than inlet devices or venturi throats shall not exceed 6 feet per second (1.829 m/s) in any suction or copper piping and 8 feet per second (2.438 m/s) in any portion of the return system.

3125B.1.1 Materials. All ~~pipe~~piping, ~~tube~~tubing and fittings shall comply with the applicable standards for potable water system materials set forth in Chapter 6 of the California Plumbing Code.

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17) Amend Section 3126B as follows:

SECTION 3126B
RECIRCULATION PUMP CAPACITY

3126B.1 Pool recirculation pumps shall have the following total dynamic head capacities:

1. *Pressure diatomaceous earth filters. At least 60 feet (18,288 mm); and*
2. *Vacuum diatomaceous earth filters. Twenty inches (508 mm) vacuum on the suction side and 40 feet (12,192 mm) total dynamic head: and*
3. *Rapid sand filters. At least 45 feet (13,716 mm); and*
4. *High rate sandfilters. At least 60 feet (18,288 mm); and*
5. *Cartridge filters. At least 60 feet (18,288 mm).*

3126B.2. Pumps with other total dynamic head capacities shall be permitted provided the turnover times are maintained as required in Section 3124B.

18) Amend Section 3127B as follows:

SECTION 3127B
WATER SUPPLY INLETS

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3127B.2 Backflow prevention. There shall be no direct connection between any potable water supply system and the pool or its piping system unless protected by a backflow prevention device in accordance with Chapter 6 of the California Plumbing Code.

3127B.3 Makeup water. Automatic makeup water flow controls shall be provided to maintain the proper pool water level.

19) Amend Section 3128B as follows:

SECTION 3128B

FILTERS (ALL TYPES)

3128B.1 General requirements. All filters, regardless of type, shall be designed and constructed according to the applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.

3128B.2 Installation. Each filter vessel shall be installed, piped and provided with valves so that it can be isolated from the recirculation system for repairs and backwashing.

~~3128B.3~~

20) Amend Section 3129B as follows:

SECTION 3129B

RAPID SAND PRESSURE FILTERS

In addition to the requirements for all filters as indicated in Section 3128B, the following apply to rapid sand pressure filters.

3129B.1 Flow rates. The filtration rate shall not exceed 3 ~~gpm~~gallons per minute per square foot (122.24 L/m per m²) of filter area. The backwash rate shall not be less than 15 ~~gpm~~gallons per minute per minute per square foot (611.2 L/m per m²) of filter area.

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21) Amend Section 3130B as follows:

SECTION 3130B
DIATOMACEOUS EARTH FILTERS

In addition to the requirements for all filters as indicated in Section 3128B, the following ~~apply~~applies to diatomaceous earth filters.

3130B.1 Flow rates. The filtration rate for both pressure and vacuum diatomaceous earth filters shall not exceed ~~2 gpm~~2 gallons per minute per square foot (81.49 L/m per m²) of filter area.

22) Amend Section 3131B as follows:

SECTION 3131B
HIGH RATE SAND FILTERS

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3131B.3 The backwash rate for a high rate sand filter shall be a minimum of 15 gpm gallons per minute per square foot dinner area.

23) Amend Section 3132B as follows:

SECTION 3132B
CARTRIDGE FILTERS

In addition to the requirements for all filters as indicated in Section 3128B, the following apply to cartridge filters.

3132B.1 The filtration rate shall not exceed 0.375 ~~gpm~~ gallons per minute per square foot of filter area.

..

24) Amend Section 3133B as follows:

SECTION 3133B

CHEMICAL FEEDERS

All chemical feeders including disinfectant feeders and the auxiliary feeders used for solutions, slurries or solids, along with components such as pumps, strainers, tubing connections, tanks and injection fittings shall comply with the provisions of this section.

3133B.1 General design requirements. The chemical feeder equipment shall:

- 1. Be maintained and repaired according to manufacturers' specifications; and*
- 2. Be constructed with an adjustable output rate device to permit repeated adjustments without loss of output rate accuracy and adjusted by an automatic chemical monitoring and control system that regulates, at a minimum, pH and disinfectant; and*
- 3. Meet the applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.*

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25) Amend Section 3135B as follows:

SECTION 3135B

GAS CHLORINATION EQUIPMENT ROOM

..

3135B.8 Storage. The gas chlorine room shall not be used for the storage of items not related to the use of the gas chlorine equipment.

26) Amend Section 3136B as follows:

SECTION 3136B

POOL SKIMMING SYSTEMS

The pool shall be equipped with one or more skimming methods to provide continuous skimming of the pool water and shall be capable of continually withdrawing not less than ~~75~~100 percent of the required flow rate.

3136B.1 Surface skimmers. Each surface skimmer shall comply with the following provisions:

- 1. The skimmer shall be recessed into the pool wall; and*
- 2. The skimmer shall be individually adjustable for the rate of flow with either an external or internal device; and*
- 3. If used, a skimmer equalizer suction outlet ~~located on the pool wall~~ shall be connected to at least two suction grate assemblies that meet the ~~ASME/ANSI A112.19.8~~APSP-16 2011 performance standard and are located at least 3 feet (915 mm) apart in any dimension between the ~~drain~~suction outlets; and*
- 4. The skimmer weir shall automatically adjust to variations in the pool water level over a range of not less than 4 inches (102 mm); and*
- 5. ~~The skimmer shall be provided with an airlock protective device which shall not permit leakage of air into the recirculation suction piping system. This device shall not leak more~~*

~~than 3 gpm (11.356 Lm) of water during normal operations; and~~

6. 5. Each skimmer shall be provided with a removable and cleanable screen or basket to trap objects. The screen or basket shall be accessible through an opening in the deck above the skimmer; and
7. 6. There shall be a minimum of one skimmer for every 500 square feet or less of pool water surface area or an adequate number to meet 100 percent of pump flow at the manufacturer's maximum flow rating, whichever is greater; and
8. 7. Each skimmer shall be located in relation to pool inlets to aid recirculation and surface skimming; and
9. 8. All surface skimmers shall comply with applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.

3136B.2 Perimeter overflow systems. A perimeter overflow system shall be required in pools whose water surface area equals or exceeds 5,000 square feet (464.52 m²). Perimeter overflow systems shall be designed by an engineer or architect ~~as defined by this chapter~~ who has experience working on public pools and shall comply with the following provisions:

1. Location. The overflow system shall be integrated with the pool structure and extend completely around the pool parallel to the pool deck except where an entry or exit may require interruption; and
2. Channel detail. The overflow channel shall be not less than 3 inches (76 mm) deep, the section shall not diverge with depth of the channel, and the width of the bottom shall be not less than 3 inches (76 mm). The opening beneath the coping into the overflow system shall be a minimum of 4 inches (102 mm) beneath the coping in any direction

measured radially from the inner edge of the overflow channel lip; and

- 3. Channel lip. The overflow channel lip shall be not more than 12 inches (305 mm) below the level of the coping or deck. The lip edge shall be rounded and shall be not thicker than 2 ½ inches (64 mm) or thinner than 1 inch (25 mm) for the top 2 inches (51 mm); and*
- 4. Channel covering. Covered overflow channels shall be permitted provided the openings do not exceed ½ inch in the smaller dimension; and*
- 5. Channel outlets. Channel outlet spacing and channel bottom slope shall be hydraulically designed by an engineer or architect ~~as defined by this Chapter~~ who has experience working on public pools; and*
- 6. Channel outlet covers. Overflow channel outlet covers shall be accessible for cleaning and maintenance. Openings of the channel outlet covers shall not pass a ½ inch (13 mm) sphere in the smaller dimension; and*
- 7. Channel drain piping. Channel drain piping shall provide drainage of the overflow system, carry overflow water to a surge basin and return to skimming within 10 minutes after being flooded by a sudden displacement of the pool water by pool users; and*
- 8. Surge storage capacity. A perimeter overflow system shall be provided with a minimum surge storage capacity of not less than 1 gallon per square foot (40.75 L/m²) of pool water surface area. Surge storage shall be permitted in the surge basin, perimeter overflow channel and in the channel drain piping returning to the surge basin; and*
- 9. Water level control. Automatic makeup water flow controls with a manual override*

control shall be provided to maintain the proper pool water level at the overflow rim.

27) Amend Section 3137B as follows:

SECTION 3137B

POOL FITTINGS

3137B.1 Outlets. Each pool shall be provided with a main drain submerged suction outlet typically located at the bottom of a pool that conducts water to a recirculating pump. Suction outlets shall comply with all of the following provisions:

- 1. Each pump on a pool system shall be connected to at least two suction outlets. The suction outlets shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings and shall be separated by a distance of at least 3 feet (915 mm) ~~apart~~ in any dimension between the suction outlets; and*
- 2. All suction outlets shall be equipped with suction fittings that meet the ~~ASME/ANSI A112.19.8~~APSP-16 2011 performance standard; and*
- 3. The velocity of the suction piping installed between the suction outlets shall not exceed 3 feet per second (1.8 mps); and*
- 4. Hydrostatic relief devices. In areas with a high groundwater table, or as required by local plumbing codes, a hydrostatic relief device shall be installed. When used in conjunction with a safety vacuum release system, the hydrostatic relief device must meet the manufacturer's installation requirements for the safety vacuum release system.*

Exception: A circulation system with an alternative design that has been designed by an engineer who has experience working on public pools may be used if approved by the enforcing agent.

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28) Amend Section 3139B as follows:

SECTION 3139B

SOLAR HEATING INSTALLATIONS

3139B.1 Solar heating systems shall comply with the following:

- 1. Solar heating system suction outlets shall comply with Section 3137B; and*
- 2. Solar heating system suction outlets shall be located no closer than 5 feet (1525 mm) to any pool inlet fitting, and*
- 3. The installation of a solar heating system on a new or existing pool shall not interfere with the required turnover rate as specified in Section 3124B nor exceed the pipe flow velocities as specified in Section 3125B.1.*

29) Amend Section 3140B as follows:

SECTION 3140B

CLEANING SYSTEMS

A vacuum cleaning system shall be available which is capable of removing sediment from all parts of the pool floor. A cleaning system using potable water shall be ~~provided with an approved backflow protection device as required by the California Department of Public Health under Sections 7601 to 7605, Article 2, Title 17, California Code of Regulations~~ protected by a backflow prevention device in accordance with Chapter 6 of the California Plumbing Code. No cleaning system shall operate in the pool when the pool is open or available for use by pool users. Built-in vacuum suction lines shall not be installed in the pool.

30) Amend Figure 31 B – 1 and Table 31 B -1 and Notes for Figure 31B-1 and Table 31B-1

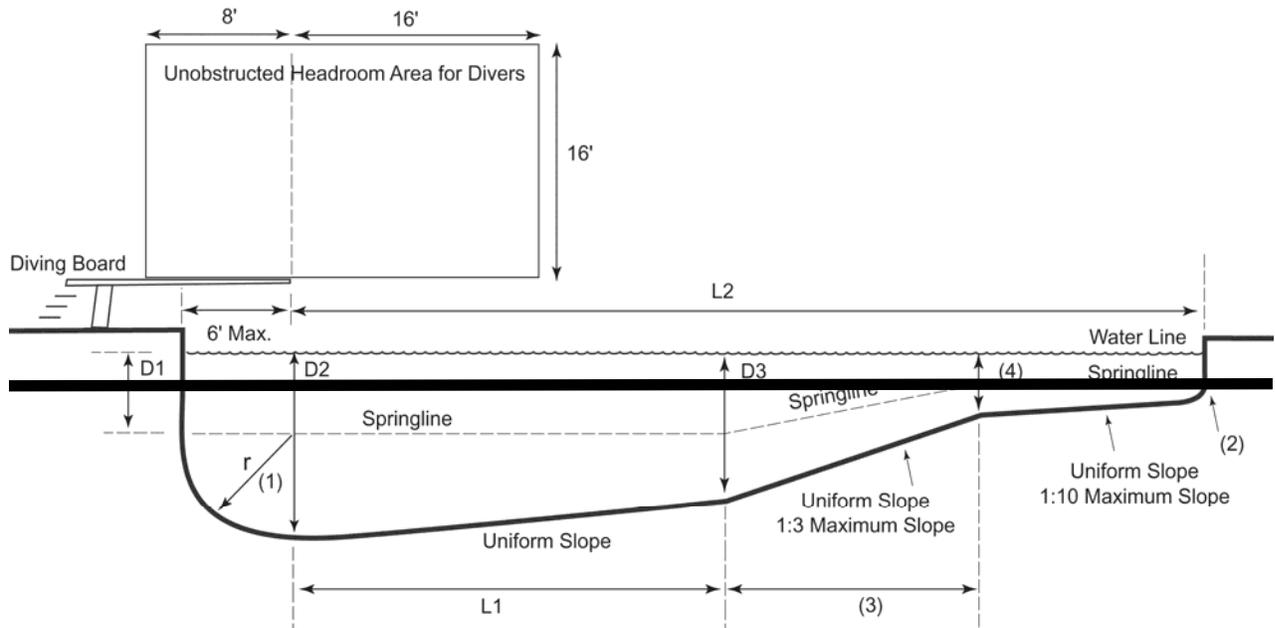
FIGURE 31B-1

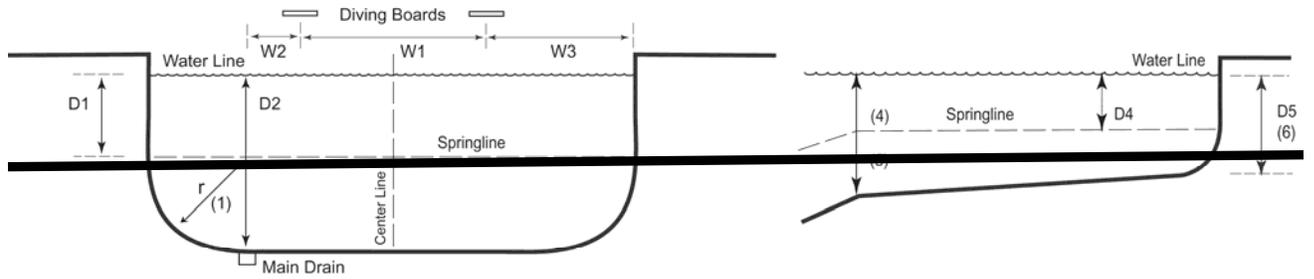
**DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS
GREATER THAN 30 INCHES (762 MM) OR LESS ABOVE THE WATER LINE.**

Table 31B-1

		Depth of Water					Length of Section				
Boards and Platforms	Dim	D1	D2	D3	D4	D5	L1	L2	W1	W2	W3
1-Meter Board	Min	6'-0"	12'-0"	11'-0"	2'-6"	0'-0"	20'-0"	30'-0"	40'-0"	5'-0"	11'-0"
3-Meter Board	Min	7'-0"	13'-0"	12'-0"	2'-6"	0'-0"	20'-0"	40'-0"	40'-0"	5'-0"	12'-0"

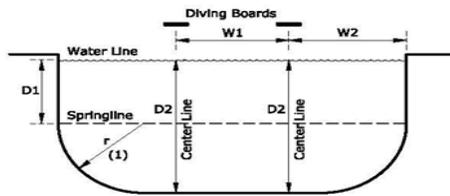
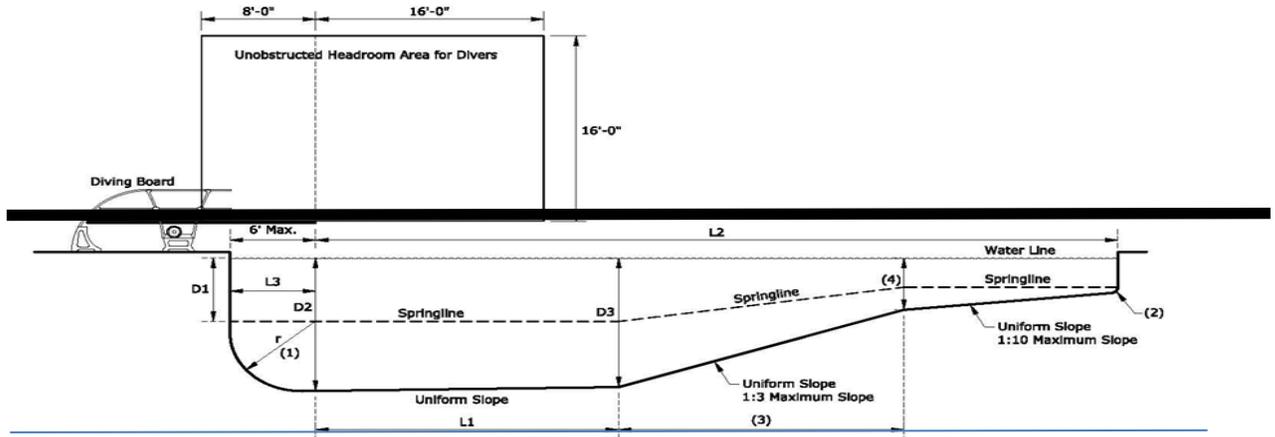
LONGITUDINAL SECTION



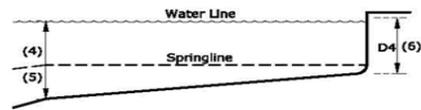


Transverse Section Deep End Through Main Drain — Transverse Section Shallow End

LONGITUDINAL SECTION



Transverse Section Deep End



Transverse Section Shallow End

FIGURE 31B-1
DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS
GREATER THAN 30 INCHES (762 mm) ABOVE THE WATER LINE

TABLE 31B-1

BOARDS AND PLATFORMS	DEPTH OF WATER					LENGTH OF SECTION				
	DIM	D1	D2	D3	D4	L1	L2	L3	W1	W2
1-Meter Board	Min.	5'-6"	11'-6"	11'-2"	0'-0"	21'-4"	29'-7"	5'-11"	7'-11"	8'-3"
3-Meter Board	Min.	6'-6"	12'-6"	12'-2"	0'-0"	24'-8"	33'-8"	5'-11"	8'-7"	11'-6"

Notes for Figure 31B-1 and Table 31B-1:

1. Maximum radius shall equal D2 minus D1 dimensions.
2. Radius at the shallow end shall not be ~~not less than 6 inches~~ nor more than 12 inches.
3. The length of a section is based on the maximum slope and other maximum and minimum dimensions.

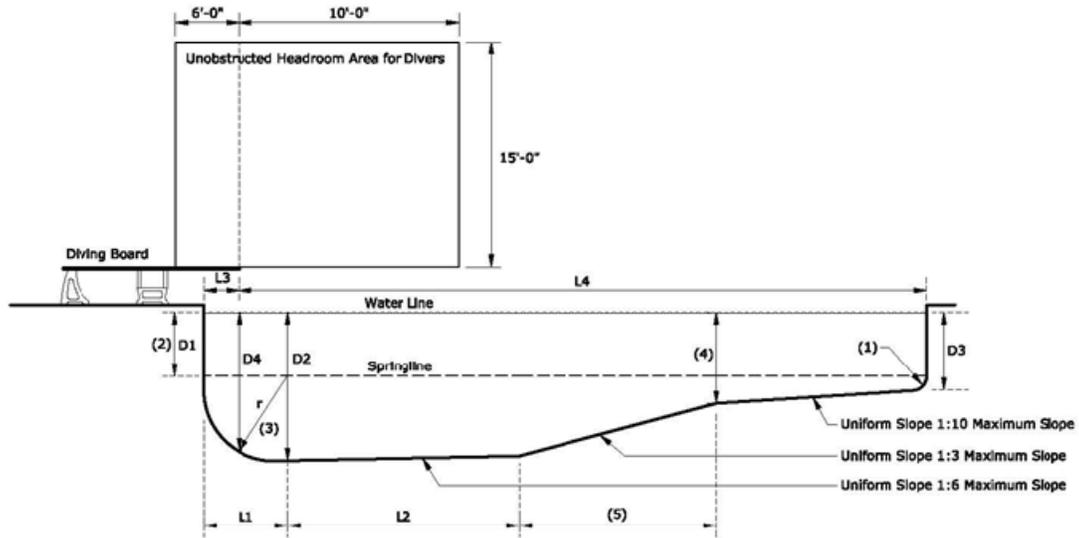
4. Where there is a break in slope, the break shall be located at a water depth equal to 4'6".
5. The springline depth at (4) shall not be ~~less than 2'6"~~ nor more than 4'0".
6. The maximum water depth shall be 3'6".
7. The main drain shall be located to provide complete drainage of the pool.

31) Amend Notes for Figure 31B-2 and Table 31B-2

FIGURE 31B-2

DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS 30 INCHES (762 MM) OR LESS ABOVE THE WATER LINE

LONGITUDINAL SECTION



TRANSVERSE SECTION AT D2

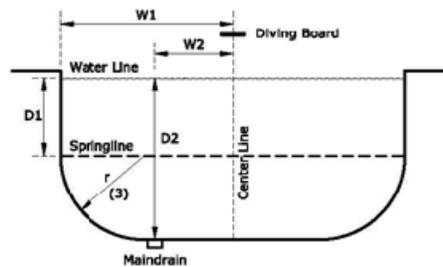


FIGURE 31B-2
DEPTHS AND CLEARANCES FOR POOLS WITH DIVING BOARDS
30 INCHES (762 mm) OR LESS ABOVE THE WATER LINE

TABLE 31B-2

DIMENSION	DEPTH OF WATER				LENGTH OF SECTION					
	D1	D2	D3	D4	L1	L2	L3	L4	W1	W2
Minimum	2'-6"	8'-6"	0'-0"	7'-0"	6'-0"	6'-0"	2'-6"	30'-0"	9'-0"	3'-0"
Maximum	-	-	3'-6"	-	10'-0"	-	4'-0"	-	-	-

Table 31B-2

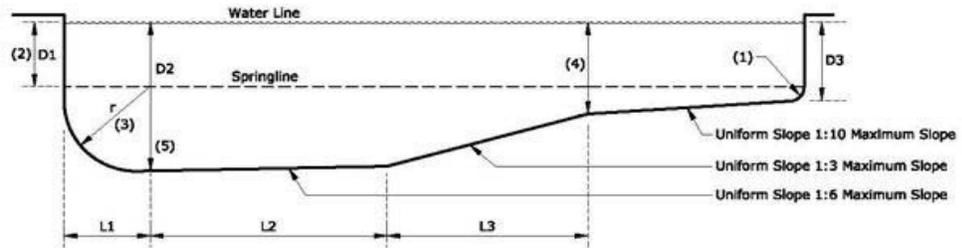
Notes for Figure 31B-2 and Table 31B-2:

1. Radius at the shallow end shall be a ~~minimum of 0'6"~~ and a maximum of 1'0".
2. Springline D1 shall extend to the break in slope between the shallow area and the deep area.
3. Maximum radius shall equal D2 minus D1 dimensions.
4. Where there is a break in slope, the ~~break in slope~~ shall be located at a water depth equal to 4'6".
5. Length of section is based on maximum slope and other maximum or minimum dimensions.
6. The main drain shall be located to provide complete drainage of the pool.

32) Amend Notes for Figure 31B-3 and Tables 31B-3a and 31B-3b

FIGURE 31B-3 DEPTHS AND CLEARANCES FOR POOLS WITHOUT DIVING BOARDS

LONGITUDINAL SECTION



TRANSVERSE SECTION AT D2

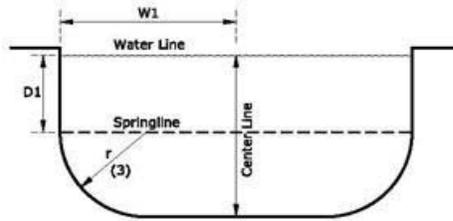


FIGURE 31B-3

SEPTEMBER 1, 2012 SUPPLEMENT

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**TABLE 31B-3A
POOLS WITH MAXIMUM WATER DEPTH = 6'-0"**

Dimension	DEPTH OF WATER			LENGTH OF SECTION			
	D1	D2	D3	L1	L2	L3	W1
Minimum	2'-6"	(5)	0'-0"	3'-6"	3'-0"	3'-0"	6'-0"
Maximum	-	6'-0"	3'-6"	-	-	-	-

**TABLE 31B-3B
POOLS WITH MAXIMUM WATER DEPTH > 6'-0"**

Dimension	DEPTH OF WATER			LENGTH OF SECTION		
	D1	D2	D3	L1	L2	W1
Minimum	2'-6"	(5)	0'-0"	3'-6"	3'-0"	7'-6"
Maximum	-	-	3'-6"	-	-	-

Notes for Figure 31B-3 and Tables 31B-3a and 31B-3b

- 1. Radius at the shallow end shall be a ~~minimum of 0'-6"~~ and a maximum of 1'-0".*
- 2. Springline D1 shall extend to the break in slope between the shallow area and deep area.*
- 3. Maximum radius shall equal D2 minus D1 dimensions.*
- 4. Where there is a break in slope, the break ~~in slope~~ shall be located at a water depth equal to 4'-6".*
- 5. The main drain shall be located to provide complete drainage of the pool.*

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.