



Effective August 1, 2016

POOL/SPA, WADING
POOL REPLASTERING OR RESURFACING REQUIREMENTS

When a pool or spa is re-plastered or resurfaced the following requirements apply. Please feel free to contact Ngai Wong at (650) 372-6200 or Kameisha Nichols at (650) 372-6288 for questions regarding plan submittal instructions/questions.

Note: All pools and spas must comply with AB 1020 VGB Compliance. Additional information may be required if the scope of work involves plumbing and/or suction outlet cover changes.

Plan Requirements (Drawn to scale).

1. Job Address - address, city, zip.
2. Name, mailing address and phone numbers of pool contractor and owner.
3. RENOVATIONS - If the pool is being renovated, replastered or drained for any reason provide:
 - A simple top view drawing showing the length and width of the pool.
 - Resurfacing material and color.
 - Depth marker depths and locations (provide sample with dimensions on plan).
 - Show the location of the contrasting tile on the floor at the 4 ½ ft. water depth. (Pools with a maximum water depth of 5 feet or less do not require a tile line).
 - Ladder(s) at the deep end of the pool. (Pools with a maximum water depth of 4½ ft. or less are not required to have a ladder)
 - Show side view of the handrail(s) over the stairs with the distance from each step tread and deck to the top of the handrail
 - Coping detail if the pool coping is being replaced.
 - Provide specification sheets for all proposed equipment.
 - If there is an existing diving board, provide scaled top and side view dimensions of the pool.
4. SPECIFICATION FOR EXISTING AND NEW EQUIPMENT
 - Year the pool was built.
 - Volume of pool.
 - Provide specification sheets for all proposed equipment
 - Make and model number of existing equipment and any new equipment that is being installed. (See approved pool equipment list)



- Make and model of existing pump
- Size of suction and return lines going and coming from the equipment room.
- Plumbing material (PVC, copper etc.)
- Any other information that pertains to the equipment installation.
- AB 1020 form

The following requirements can be found in the California Health and Safety Code, and 2015 California Building Code:

Construction Requirements:

1. Submit a **written scope of work** explaining what changes will be made to pool/spa.

2. **Pool shells** (3108B.3, 3108B.2) must be white in color.

- 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. (Section 3108B.2)
- A contrasting color shall be used:
 - at the edge of pool and spa steps,
 - the top surface edges of benches in spas,
 - lane markings(not to exceed 12 inches),
 - install tiles at the waterline, and at the 4 ½ foot depth.

Note: Spas may be finished in a light color other than white when approved by Environmental Health Services (EHS). (A light reflectance value of 55% or more is highly recommended). (Section 3108B.3)

If materials other than plaster are being considered, a request for approval must be submitted and granted by EHS prior to commencing work. (Section 3108B.3)

3. **Depth marker requirements** (Section 3110B.4):

- Depth markers shall be provided on both sides of a swimming pool at the shallowest and deepest depths, at all breaks in slope, on both ends of the pool and along the perimeter of the pool at distances not to exceed 25 feet.
- Markers with the universal symbol of no diving (red circle with a slash through it superimposed over the image of a diver) shall be installed whenever water depth is 6ft or shallower. Markers must be slip resistant, durable material resistant to weathering and shall be located adjacent to depth markers on deck (Section 3110B.5)
- Spas and wading pools shall have a minimum of two depth markers.



- Water depth is measured from the floor of the pool to the middle of the tile line on pools with skimmers and rim of gutter on pools with perimeter overflow systems. Markers should indicate depth to the nearest six inches.
- The depth markers shall be marked in units of feet and inches; the abbreviations “FT” and “IN” may be used in lieu of using the whole word.
- Numerals shall be a minimum four inches in height and of a contrasting color.

5. Slope break line (Section 3109B.3, 3110B.1)

- A pool deeper than 5 feet is required to have a 4 to 6 inch wide straight line of slip-resistant contrasting tile along the floor of the pool where the water depth is 4 ½ feet. Unglazed tile is considered slip-resistant.

6. Steps, Recessed Steps Ladders and Stairs (Section 3111B.3, 3111B.4)

- Means of entry and exit are required if depth is over one foot. Pools with more than one shallow end shall have stairs at each shallow end. (Section 3111B.3)
- Stair risers shall be uniform (max. 12”) and each step tread shall have slip resistant trim tile and comply with Figure 31B-7, and Table 31B-7 of Chapter 31B, Title 24, California Building Code.
- Recessed step risers shall be uniform (max. 12”). Treads shall be a minimum five inches and a width of 14 inches. Measure the first riser from the deck to tread. (3111B.4)

9. Handrails (Section 3111B.6)

- Provide a handrail over all stairs extending from the deck to the bottom step tread. The upper railing surface shall be 28 to 36 inches above the deck and each step tread. The distance between the handrail and riser shall be at least 3” apart. Spa shall have two handrails. (Refer to ADA for additional requirements).

11. Diving Boards and Platforms (Section 3113B.3) (Figure 31B-1 and 2).

- All swimming pools with platforms or diving boards must be reviewed for compliance with the pool code. Platforms and diving boards shall conform to the USA Diving Rules and Codes. (Section 3113B.3) (Figure 31B-1 and 2).

***Note:** Diving boards and supports must be removed if they are not in compliance with the current codes.*

12. Drain Covers and Equalizer Lines

- When a pool is drained, it is a good time to install VGB approved drain covers and equalizer line covers. Pools with single equalizer lines or multiple skimmers that can be isolated, shall install approved split suction outlet covers three feet apart and assemblies that meet the current performance standard.
 - Submit the AB 1020 form within 30 days after completion of work.



Note: *Disabling or plugging an equalizer line is not allowed for single equalizer that has not been split properly.*

13. Coping and Decks (Section 3112B.3)

- Where coping and/or decking is also being replaced the following shall apply:
- Coping that is being replaced must extend over the pool wall 1 to 2 inches and not be thicker than 2 ½ inches. (Section 3112B.3)
- Depth markers shall be located on coping or deck, not more than 3ft from water (Section 3110B.4)
- Markers with the universal symbol of no diving (red circle with a slash through it superimposed over the image of a diver) shall be installed whenever water depth is 6ft or shallower. Markers must be slip resistant, durable material resistant to weathering and shall be located adjacent to depth markers on deck (Section 3110B.5)
- The 4ft deck shall extend on both sides and rear of any fixed disabled access assistance device (Section 3114B.1),
- The pool's deck surface shall have a slope of no less than 1% (1/8 inch per foot) but no more than 2% (1/4 inch per foot) away from the pool to a deck drainage system. (Section 3114B.1)
- Indoor/outdoor carpeting or similar products are not approved for swimming or spa pool decks. Any deck material other than concrete must be approved by EHS. (Section 3114B)

14. Lighting (Section 3115B)

- When a pool is drained, it is a good time to check and repair/replace the pool lighting. Contact local building department for GFCI requirements.

Required Field Inspections

1. Field consultation of proposed work (*optional with an additional charge*).
2. Pre-construction inspection.
3. Pre-plaster inspection to verify split main drains are hydraulically balanced, split equalizer lines, sump verification. For field fabricated sump, make sure VGB compliant drain covers are available at the time of inspection or an additional inspection may be required.
Please Note: *Plastering without pre-plaster inspection may result in approval delay and may require additional work including removing plaster to verify plumbing requirements.*
4. Final Inspection