



# CITY OF NEWPORT BEACH

## COMMUNITY DEVELOPMENT DEPARTMENT BUILDING DIVISION

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### POOL CHECKLIST

**This is to be used as a general checklist; it is not inclusive of all code requirements and inspection criteria.**

**Per California Building Code (CBC) Chapters 1, 19 and 31  
California Electrical Code (CEC) Chapter 680  
California Plumbing Code (CPC) and**

#### **PRE-GUNITE INSPECTION**

- Construction sign posted visible from the street and correctly filled out.
- Approved plot plan by Planning Division with dimensions (drawn to scale of not less than 1/8" /1'). CBC 107.2.5
- Check all existing structures adjacent to pool which may contribute surcharges requiring additional reinforcement or may trigger electrical bonding.
- Check all overhead utilities within pool area. CEC 680.8
- Verify required setbacks of pool, spa, and equipment per approved plan. CBC 107
- Verify pool light minimum 18" from water line unless listed for location. CEC 680.23
- Approved structural plans (standard plan) to show the reinforcing steel schedule and details for skimmer, bond beam and cover niche and any other special features like raised bond beams, slope or building surcharges.
- Check for brass conduit installed from pool light niche. CEC 680.23
- Light niche has proper water cover (4-18").
- Bonding of steel reinforcing to pool light niche with # 8 solid copper wire. Bonding from pool reinforcement ( # 8 solid copper wire continuous) back to pool equipment location and four equally spaced for deck (or no deck) bond. All bonding clamps listed and used according to listing. (equipotential bond grid) CEC 680.26
- Check all piping that will be covered by gunite. Pressure test required. Dual suction inlets with symmetrical (equilateral) branches from main line. CBC 3109.4.4.8 #2.
- Pool cover niche drain and pool overflow indirect to sewer (3" p-trap) CPC 813

#### **PRE-DECK INSPECTIONS**

- Check burial depth for all underground electric conduits. CEC 680.10
- Check all underground plumbing and gas piping. Tests required.
- Verify that gas piping will not be installed under any structure. CPC 1211.4.
- Check for 3" drain with p-trap connected to sewer system. CPC 813
- Check all deck rebar tied for deck bonding and proper clamp for deck bond. CEC 680.26 #1
- Inspect equipotential grid for 'no deck' installations. CEC 680.26 #5(C)
- Verify that all metal within 5ft of pool is bonded, windows within 5' tempered and no luminaries within 5' of water. CEC 680
- Check all area drainage around pool to mitigation pit or storm drain.
- Verify solar water heat piping.

## **PRE-PLASTER INSPECTIONS/FENCE AND GATE**

- Verify pool enclosure height and location. (5' non-climbable see CBC 3109.4.3 ).
- Size of openings within fence 4" maximum.
- Maximum space under fence 2". CBC 3109.4.4.3
- Horizontal rails less than 45" apart must be on pool side of enclosure with maximum opening between vertical members of 1 3/4".
- Maximum chain link openings 2 1/4".
- Enclosure is non- climbable per CBC 3109.4.
- Verify all gates into the pool enclosure are self-closing and self-latching.
- Gate to be equipped to accommodate a locking device and must open away from pool.
- Latch height minimum 60"above finished surface.
- Doors from garage into the pool area must meet gate or door requirements.
- Doors from house must have an approved door alarm or an approved key locking pool cover shall be on site with a permanent ASTM tag showing its listing information.
- Light j-box minimum 8" above flood level of pool (or spa). CEC 680.24
- No luminaires, unbonded metal objects, non-safety glazing within 5' of water.
- Gas piping test approval. Polyethylene gas pipe minimum 18' cover.
- Potting compound at light niche served by plastic conduit.(CEC 680.23)
- Collect gunite deputy inspection report and verify deputy registration with City.
- Pool equipment bonded and secured against seismic displacement.
- Pool water bond per 680.26
- Pool subpanel feeders and clearances. CEC 110

## **FINAL POOL INSPECTION**

- Check all plumbing. PVC exposed to sunlight painted.
- Check pool equipment for bonding and secured against seismic displacement.
- Check enclosure around equipment.
- Check all electrical connections on pool equipment.
- Verify installation of GFCI outlet in pool equipment enclosure. CEC 680.22
- Pool sub panel inspection including clearances, GFCI all circuits powering equipment.
- Convenience outlet more than 6' but less than 20' from pool's edge. CEC 680.22
- Verify bonding of water [CEC 680.26] and all metal objects within 5'.
- Recheck gate closure and door alarms.
- Anti-entrapment drain covers. CBC 3109
- Backflow protection at fill line.
- Deck drains to storm drain or approved location.
- Pool overflow and cover niche drain indirect to p-trap (sewer) per CPC.
- Verify solar thermal pool water preheat.
- Seismic gas shut off valve.
- Smoke alarms per CBC 907 and Carbon Monoxide detectors per CBC 420.