



City of Vacaville  
Community Development  
Building Division

## Pool Checklist

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

Per 2016 California Building Code (CBC) Chapters 1, 19 and 31  
2016 California Electrical Code (CEC) Chapter 680  
2016 California Plumbing Code (CPC) and  
Vacaville Municipal Code (VMC)

### **PRE-GUNITE INSPECTION**

- Approved plot plan by Planning Dept. with dimensions. 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 when applicable.
- 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. 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 312
- 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.

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

- Verify that at least two of the seven drowning prevention safety features was installed per the Swimming Pool Safety Act (Health and Safety Code Section 115920 - 11529)
- 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)
- Pool equipment bonded and secured against seismic displacement.
- Pool water bond per CEC 680.26 (C)
- Pool subpanel feeders and clearances. CEC 110

### **FINAL POOL INSPECTION**

- Check all City of Vacaville agencies for clearance/approvals.
- 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 3109.5
- 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 V.M.C. and CPC.
- Smoke alarms per CBC 907 and Carbon Monoxide detectors per CBC 420.