



Building and Safety Department
1 Town Square Murrieta, Ca 92562
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Swimming Pools

Pre-plaster (Fence and Gate)

- Approved plans and job card available (UBC106.4.3)
- Fence(s) (Builder's Bulletin PS 1-05)
 - Minimum 5' high (measured from the outside)
 - Non-climbable (<45" horizontal spacing)
 - No openings greater than 1 ¾ or 4" if vertical rungs Under-the-fence clearances (2" if earth, 4" hardscape)
 - Chain link is 11 gage minimum
 - Bonded, if metallic and with in 5' of water
- Gate(s) and Garage man doors (UBC 3152B)
 - Same construction requirements as fences
 - Swing away from the pool area-*except garage man door*
 - Self-closing and self-latching
 - Latch height of 54" minimum
- Door(s) from the residence to the pool area (UBC Approx. 421.1)
 - Alarmed per code
 - 30 second continuous sound
 - 7 second maximum delay
 - 85dba at 10' distance
 - Automatic Test
 - Located at least 54' high
 - OR, self-closing, self-latching at 54' height
- Above ground pool has approved barrier per UBC approx. 421.1
- Spa/Hot tub has a listed cover showing compliance with ASTM F 1346 in lieu of the above fence and gate requirements
- Plumbing (All work completed)
 - All materials are listed (UPC 301)
 - Water heater (see Mfr. Requirements & UPC Ch. 5)
 - Vent installed per manufacturer requirement
 - Vent termination (UPC 517.0)
 - Mounted 3" above grade minimum (UPC 510.6)
 - Electrically bonded (NEC 680-26)
 - Proper material adjacent to W/H (Mfr.)
 - PTR Valve and line installed-if a closed system (UPC 608.3)
 - Gas piping connector per code (UPC 1212.0)

- Electrical (All work completed)
 - Properly sized over current device in the main panel board (NEC 240)
 - Panel manufacturer listed over current device (NEC 110.3)
 - Properly sized conductors for the over current device (NEC 310)
 - Properly insulated conductors (NEC 310)
 - All connections properly torque per manufactures specs (NEC 110.14)
 - Pool sub-panel listed for the location (NEC 110.3)
 - Working clearances at panel board maintained per (NEC 110.16)
 - Motor conductors properly sized (based on motor name plate) (NEC 430.51)
 - Motor equipment grounding conductor –minimum #12 AWG (NEC 680.21(A) (1))
 - Pool lighting routed through a listed GFCI device (NEC 680.23)
 - GFCI protected outlet >5’<20’, with weatherproof cover (NEC 680.22)
 - All bonding complete with listed connections (NEC 680-26)
 - Light niche J-box(s) properly located (NEC 680.24)
 - Light niche J-box(s) list for use (NEC 110.3)
 - Light niche J-box grounding lugs-1 extra (NEC 680.24)
 - Non-metallic light niche housings and conduit have a #8 insulated conductor run inside of the conduit, properly terminated and encapsulated with a listed potting compound (NEC 680.23)
 - Pool light(s) have listed cables (NEC 680.23)
 - Pool light(s) cables properly terminated in J-box(s) (680.23)
 - All conduits properly connected
 - All conduits properly listed for the location
 - No electrical lighting (low or high voltage) with in 5’ of pool, see (NEC 680.22) (B))
 - No switching devices with in 5’ of pool (NEC 680.22) (B))
 - Fiber optics listed and installed per manufacturer installation instructions and the NEC
 - Underwater Audio equipment is per NEC 680.27

Other Related Item

- **Storable Pools** –see NEC 680.30
- **Spas and Hot Tubs** –see NEC 680.40
- **Fountains** –see NEC 380.50
- **Pools and Tubs for Therapeutic Use** –see NEC 680.60
- **Hydromassage Bathtubs** –see NEC 680.70
- **Indoor Swimming Pool** –see UBC Approx. Ch. 421.2

Pregunite

- Approved plans available (UBC 106.43)
 - Building Department –Approval stamp and hole punch
 - Planning Department (if required)
 - Location per approved plans (setbacks)
 - Actual site conditions reflected on the plans
 - Adjacent slopes (see UBC 1806.5.4.)
 - Adjacent structures
- Permit/Job Card available on the job site (UBC 108.2)
 - Permit reflects all work being performed
- Reinforcing steel
 - Properly sized per plans

- Minimum quality /grade per plans
- Properly labeled/marked (ASTM) (UBC 1903.5)
- Minimum clearances to earth maintained (UBC 1907.7.1)
- Properly placed (Horizontal & Vertical spacing) per plans
- Secured from displacement (UBC 1907.5.1)
- Minimum lap splices throughout per plans
- Lap splices not located where prohibited by plans
- Properly tied (for electrical bonding purposes NEC 680.26)
- Pool bond beam bars per plans
- Skimmer niche bars per plans
- Spa dam wall bars per plans
- Special Engineering reinforcement per plans

- Electrical

- U.G. conduit properly located per plans
- U.G. conduit properly sized
- U.G. conduit listed for use (NEC 110.3)
- No U.G. wiring within 5' (NEC 680-10) see exceptions
- Light fixtures have minimum required water coverage/depth (NEC 680.23 (A)(5))
- #8AWG bare copper bonding conductor (NEC 680.26)
- Bonding clamps listed for use (NEC 680.26)
- Bonding grid system complete (NEC 680.26)
 - Pool steel
 - Deck reinforcing steel
 - Metallic fencing (all sections) within 5'
 - Diving board bases
 - Handrail bases
 - Pool cover housing (all sections)
 - Exposed patio cover/deck post bases within 5'
 - All metallic piping and conduit within 5'
 - Pump motors
 - Water Heaters
 - Filters (if metallic & electronically controlled)
 - Other equipment associated with water movement and electronically controlled
 - All effectively grounded, metallic items within 5' (hose bibs, A/C units, B/W steel, etc.)
 - Future bonding needs provided for?

- Plumbing

- Water Piping
 - Minimum 35 psi hydrostatic test (USPC 317.0)
 - Minimum clearances to steel maintained (UBC 1906.3)
 - Minimum burial depths maintained (UBC 6090)
 - Proper materials utilized (UPC 604)
 - Properly sized piping
 - Listed materials used (UPC 301)
 - Joints /Connections per code
 - Closed system? / Open system?

- Gas Piping

- Minimum 10psi air pressure test (UPC 1204.3.2)

- Proper materials for location (UPC 1210)
- Listed materials (UPC 301)
- Joints/connections per code
- Properly sized materials
- Minimum burial depths maintained (UPC 1211)
- Listed transition fittings (CPC 606.2.2)
- Transition piping (Plastic→Steel) 30” horizontal
- Tracer wire, if non-metallic piping (UPC 1211.19)
- Machine applied protectively coated piping (UPC 1211.10)
- Field wrapped piping per UPC I.S.-13 (UPC 1211.10)

- Are there any future potential problems that can be identified at this time?
