

	<p align="center">CITY OF DANA POINT</p> <p>COMMUNITY DEVELOPMENT, BUILDING AND SAFETY</p> <p>33282 Golden Lantern, Suite 209 Dana Point, CA 92629 949 248-3594</p>	<p align="center"></p> <p align="center">www.danapoint.org</p>	<p>B086 – POOL INSPECTIONS</p>
			<p>2016 CALIFORNIA CODES <i>CODE CYCLE</i></p>
			<p>01/01/2017 <i>EFFECTIVE DATE</i></p>
<p>POOLS INSPECTONS</p>			

INTRODUCTION

This information is presented to give Pool Contractors a guide to the sequence and type of inspections required by the City of Dana Point. There may be some variation due to the location and complexity of the project. This information is presented as a guide only. For questions regarding your particular inspection, please contact your inspector. Building Inspectors can be reached by phone between 7:30 am 9:00 am Monday through Friday at 949-248-3594.

JOB SITE

The Permit Inspection card must be available on site for all inspections, along with the approved plans, including engineering and steel charts. All BMPs must be in place. No dirt and pollutants may spill into the street. No construction job materials may be placed or stored in street and portable toilets must be located on private property. Provide a temporary fence to protect the excavation. See Best Management Practices handout available at the Building Department counter

Some sites may require grading and/or an encroachment permit and require a separate inspection from the Public Works/Engineering Departments.

PRE-GUNITE INSPECTION REQUIREMENTS

REINFORCEING STEEL

- Properly sized and spaced
- Minimum quality/grade and marked (ASTM)
- Minimum 3" clearance to earth
- Properly placed (horizontal & vertical spacing)
- Secured from displacement
- Minimum lap splices (40 x diam.)
- Lap splices are not located where prohibited
- Properly tied (for electrical bonding)
- Pool bond beam bars per plan
- Light niche bars per plan
- Skimmer niche bars per plan
- Spa dam wall bars per plan
- Special engineering reinforcement per plan
- Water feature per plan
- Pool slide handrail/guard rail

WATER PIPING - PLUMBING

- Minimum 35 PSI hydrostatic test
- Minimum 1" clearance to steel maintained
- Minimum burial depth maintained
- Proper materials utilized
- Listed material used
- Joints/connections per code

GAS PIPING

- Minimum 10 PSI pressure test for 15 minutes
- Proper materials for location
- Listed materials
- Joints /connections per code
- Proper sized materials
- Minimum burial depths maintained (18")
- Listed transition fittings (plastic to steel)
- Transition piping 30" horizontal
- Traced wire if non-metallic piping
- Machine applied protective coated pipe and field wrapped pipe
- 15 PSI gauge required

ELECTRICAL

- UG conduit properly sized and located per plans
- UG conduit listed for use
- No low voltage underground direct burial wiring within 5' of pool shell
- Light fixtures have a minimum required water coverage/depth
- #8 AWG bare copper bonding conductor
- Bonding clamps listed

BONDING GRID SYSTEM COMPLETE

- Pool Steel
- Deck reinforcing steel
- Metallic fencing within 5' of pool shell
- Diving board bases
- Handrail bases
- Pool cover housing
- Exposed Patio cover/deck post bases within 5' of pool shell
- All metallic piping and conduit within 5' of pool shell
- Pump motors
- Water heaters
- Filters if metallic and electronic controlled
- All effectively grounded, metallic items within 5' of pool shell
- Future bonding needs provided for

PRE-PLASTER INSPECTION REQUIREMENTS

POOL BARRIER

- Fence 5' high (measured from the outside)
- Non-climbable (<45" horizontal spacing)
- No opening greater than 4"
- Minimum under the fence clearance is 2" if earth, and 4" if hard surface
- Chain link is 11 gauge minimum and bonded if within 5' of pool shell

GATES

- Same clearances as fences
- Swing away from the pool area (except garage door)
- Self-closing and self-latching
- Latch height of 54" minimum

DOORS (from residence to pool area)

- Alarmed per code
- Or self-closing, self-latching at 54" height.
- 30 sec. continuous sound, 7 sec maximum delay, 85 dBA @ 10' distance, auto reset, temporary manual deactivation = 15 sec. max., and located 54" height minimum from finished floor.

LIGHTING

- Non-metallic light niche housing and conduit have a #8 insulated conductor run inside of the conduit, properly terminated and encapsulated with a listed potting compound.
- Pool lights have listed cables
- Pool lights properly terminated in the j-box
- Pool lights in place but not installed

SPA / HOT TUB

- May have a listed cover in lieu of the above fence and gate
- Must show compliance with ASTM F1346-91

POOL FINAL INSPECTION

- Pool slide and Water features installed per plan
- Pool solar blanket on site
- Verify anti-siphon devices on hose bibs
- Spa/tub listed cover installed if used in lieu of pool barrier
- Water feature completed per plan
- Verify pool slide requires a handrail/guardrail if over 30" above grade
- All plumbing complete
- Function test pool equipment
- Function test pool heater
- Vent installed per manufacturer's requirements
- Vent termination and clearance maintained
- Electrically bonded
- Proper clearances
- PTR Valve and line installed if closed syst
- Gas pipe connector per code
- Pool/Spa heating system (CF2R-PLB-03-E)
- Pool Equipment bolted down
- PVC pipe painted (UV protections)
- All electrical work completed
- Pool sub-panel listed for the location
- Working clearances @ panel board maintained
- Motor conductors properly sized (based on motor nameplate)
- Motor equipment grounded
- Pool lighting routed through a listed GFCI device
- GFCI protected outlet >10' <20' with weather tight bubble cover
- Re-check bonding within 5'
- No electrical lighting (low or high voltage) within 5' of pool
- No switching devices within 5'
- Fiber optics listed and installed per manufacturer's specifications
- Underwater audio equipment is per NEC 680-23