



CODE REQUIREMENTS FOR RESIDENTIAL SWIMMING POOLS

1. Any pool with 24 inches of water or more requires a permit (IBC) 105.2; (IRC) R105.2, 3109.2, and AG102.
2. A ground-fault circuit-interrupter receptacle shall be located a minimum of 10 feet from and not more than 20 feet from the inside wall of pool.
3. Receptacle that provides power for water-pump motors shall be permitted to be located 6 feet to 10 feet from the inside wall of pool. Receptacle is to be GFCI protected where so located and shall be single and of locking and grounding type.
4. Any outlet within 6 feet to 10 feet of the inside wall of pool has to be ground-fault circuit-interrupter type.
5. At least one 125 volt, 15 or 20 ampere receptacle supplied by a general purpose branch circuit shall be located a minimum of 6 feet from and not more than 20 feet from inside wall of pools and outdoor spas and hot tubs; this receptacle shall be located not more than 6 feet 6 inches above the floor, platform or grade (IRC) E4203.1.2.
6. All 15 and 20 ampere single phase 125 volt receptacles located within 20 feet from inside wall of pool has to be GFCI type; whether by receptacle or direct connection, shall be provided with ground-fault circuit-interrupter protection for personnel.
7. Any switching devices shall not be located within 5 feet from inside wall of pool, spas and hot tubs except where separated from a solid fence.
8. Any hydromassage tub has to have a disconnecting means within sight from the equipment it serves and shall be located at least 5 feet horizontally from inside wall of pool.
9. Underground wiring within 5 feet of the pool has to be in listed conduit for underground installation at minimum depth of 18 inches.
10. All metallic parts around a pool, including reinforcing metal, require an equipotential bonding back to the equipment with a minimum solid #8 copper wire (IRC) E4204.2.
11. Luminaries located in the pool shall be installed not less than 18 inches below normal water level and shall be removable from the water for relamping or normal maintenance and be GFCI protected.
12. All pools require a barrier around them. Barrier must be a minimum of 4 feet in height (*most subdivisions require 6 feet*). If the building is part of the barrier, an alarm is required at the doors from the house to the pool that can be heard throughout the building under normal activities. If a pool cover is installed as part of the barrier and has a listing of ASTM F 1346, then alarms are not required at the doors to the pool (IRC) AG105.

13. Man gates need to swing away from the pool with self closing hinges and a self latching latch. Latch has to be 54 inches from the bottom of the gate and no openings larger than ½ inch can be within 18 inches of the release mechanism (IRC) AG105.
14. Pool equipment has to have a barrier of some kind so no one can climb on any part of the equipment. Barrier must be a minimum of 4 feet in height (IRC) AG105.4.
15. Barriers cannot be made so you can climb on them or over them.
16. Minimum code referenced in this document is from the International Residential Code (IRC) Chapter 41 and AG105; the National Electrical Code (NEC) Article 680; and the International Building Code (IBC) Chapter 31.
17. At time of final, there will be a continuity test required on the bonding of all metal parts back to the equipment.
18. Any pool heated to more than 90 degrees shall have a pool cover with a minimum insulation value of R-12, International Energy Conservation Code 2006 504.7.3.
19. Bonded Parts: all equipment, steel, and any metal parts as part of any pool. Perimeter surface shall extend for 3 feet beyond the inside wall of the pool, bonding to perimeter surface trid at a minimum of four points uniformly spaced around the pool, spa or hot tub (IRC) E4204.2.
20. The pool water shall be intentionally bonded by means of a conductive surface area not less than 9 square inches installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in Section E4204.2 (IRC) E4204.3.