

# NATIONAL ELECTRICAL CODE GENERAL REQUIREMENTS FOR ABOVE AND INGROUND SWIMMING POOLS

**Permanently Installed Swimming, Wading, and Therapeutic Pools.** Those that are constructed in the ground or partially in the ground and all others capable of holding water in a depth greater than 42in. (1.07m), and all pools installed inside of a building, regardless of water depth, whether or not served by electrical circuits of any nature.

**BEFORE INSTALLATION:** Consult the electrical inspector when encountering overhead or underground conductors in proposed area of construction.

This information is not intended as a design specification, nor as an instruction for untrained persons.

- 0-5' – No outlets or switch devices
- 5-10' – Single 20 AMP receptacle for pump motor only, twist-lock type, GFCI protected with proper cover, see 406.8(B)(1).
- 10-20' – One duplex receptacle must be provided; GFCI protected with in use w/p covers 406.8(B).
- Metal surfaces within 5' horizontal and 12' vertical of edge of pool must be bonded to system.
- Motor, metal pool frame and all metal parts must be bonded together with #8 solid copper wire.
- Wiring for pool motor rigid metal conduit, IMC (min. 6" deep) or PVC (min. 18" deep) and expansion fitting (NEC 300.5) to motor including #12 AWG insulated equipment ground back to panel.
- Pool lights must comply with NEC 680.23.
- Termination of the 8 AWG insulated green bonding jumper in the forming shell shall be encapsulated in a listed potting compound.
- Lugs for bonding must be DB rated NEC 110.3(B).
- The conductors and equipment required or permitted shall be identified, labeled, listed and approved for use NEC 110.2 & 110.3.

**These are only general requirements for pool installation. All applicable sections of NEC Article 680 apply.**

*I hereby agree to install the pool in accordance with the National Electrical Code and agree to follow the above guidelines. I am submitting and agreeing to this contract in lieu of construction drawings.*

\_\_\_\_\_  
PRINTED NAME (owner/applicant)

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

ADDRESS OF PROJECT \_\_\_\_\_

