This illustration is a summary of the National Electric Code for above ground pool bonding. It is not intended to be comprehensive of all conditions; user acknowledges that all work shall comply with the NEC and assumes all risk.

**ABOVE GROUND POOL BONDING / ELECTRICAL REQUIREMENTS**

- **Equipotential bonding grid:** 18-24 inches from the pool’s edge and 4-6 inches below grade level. The grid shall be tied back to the pool (if metal) at four (4) equal points around the pool and shall extend back to the casing of the pool motor. Bonding wire shall be a minimum #8 copper (bare). Bonding of the pool water is also required by an approved method (Article 680.26; NEC).

- **Wiring to pool pump:** installed in an approved raceway and the wiring shall be approved for wet locations if installed in a corrosive environment. Where installed in a non-corrosive environment, the wiring method shall meet the requirements of Chapter 3 of the 2017 NEC (Article 300.5; NEC).

- **Conduit:** buried eighteen 18-inches below grade level unless installed on a 120-volt; 20-amp GFCI circuit where the burial depth can be reduced to twelve 12-inches.

- **Pool motor:** if plugged into a receptacle, then the receptacle shall be a type WR with an in-use cover. It shall be a minimum (6) six-feet from the pool and shall be GFCI protected (Article 680.22, 680.21, and 406.9).

- **Receptacle:** a fifteen (15) or twenty (20) amp general purpose receptacle shall be installed no closer than (6’) six and no further than (20’) twenty-feet from the pool edge and shall be a type WR and GFCI protected (Article 680.22).

- **Pool pump motor:** GFCI protected. (Article 680.21).

- **In-ground pool:** comply with NEC (Article 680).