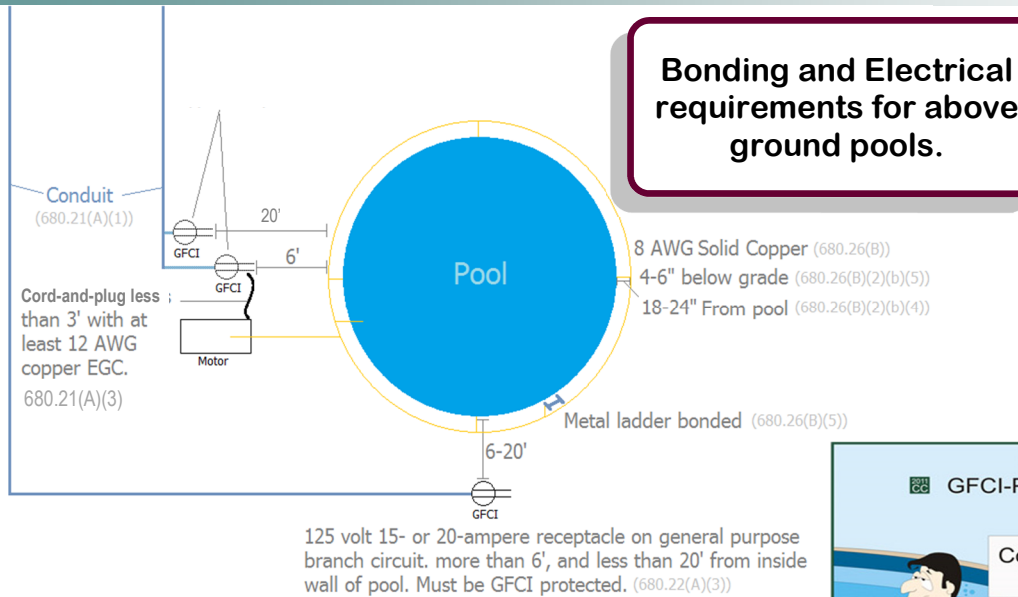
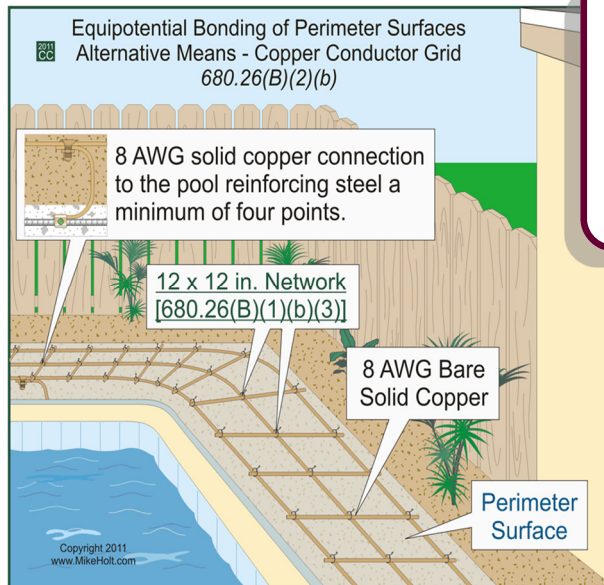


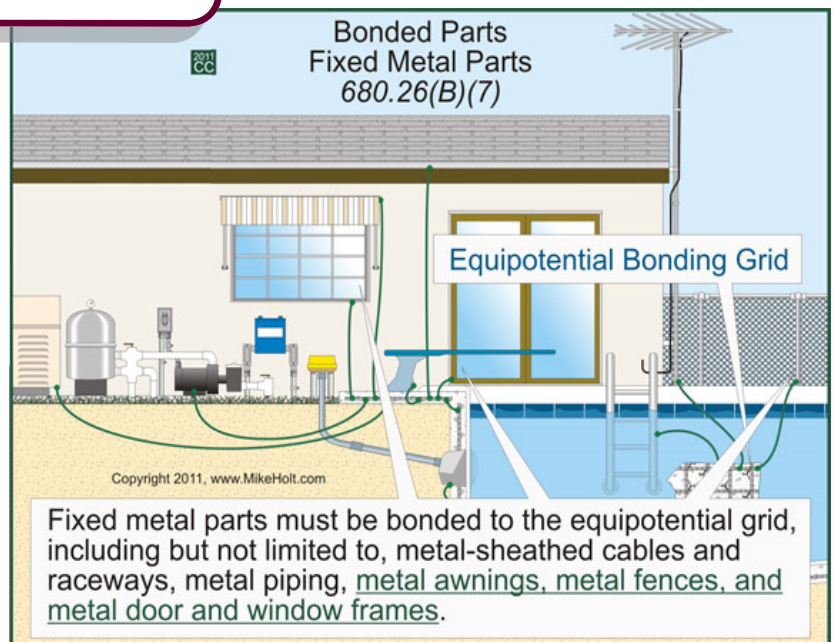
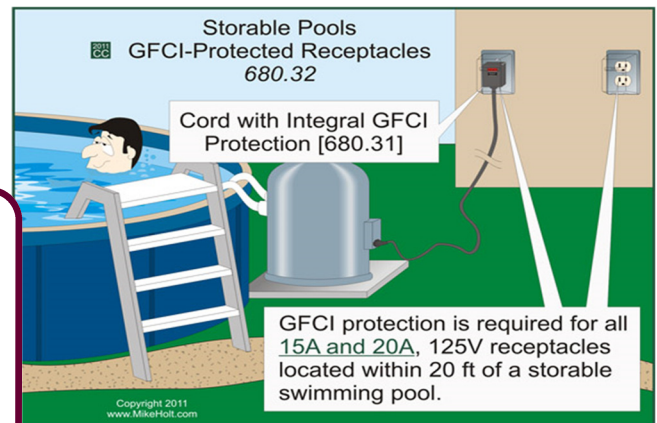
# Bonding and Electrical Requirement NFPA 70: National Electrical Code 2017 Edition



**Storable Pools.** Those that are constructed on or above the ground and are capable of holding water to a maximum 42 inches or a pool with nonmetallic, molded polymeric walls or inflatable fabric walls regardless of dimension. Permits are required!



Conductive pools shells shall be bonded. Vinyl liners and fiberglass composite shells shall be considered to be non-conductive materials.



## Other;

**Metallic Components.** All Metallic components of the pool structure including reinforcing metal not addressed in 680.26 (B)1(a) shall be bonded. Where reinforcing steel is encapsulated with a nonconductive compound, the reinforcing steel shall not be required to be bonded.

**Underwater Lighting.** All metal forming shells and mounting brackets of no-niche luminaires shall be bonded.

**Metal Fittings.** All metal fittings within or attached to the pool structure shall be bonded.

**Electrical Equipment.** Metal parts of the electrical equipment associated with the pool water circulating system, including pump motors and metal parts of the equipment associated with the pool covers, including motors, shall be bonded.

## Fixed Metal Parts, Exceptions:

1. Parts separated by a permanent barrier which prevents contact by a person shall not be required to be bonded.
2. Parts more than 5' horizontally off the inside walls of the pool shall not be required to be bonded.
3. Parts greater than 12' measured vertically above the max water level of the pool or as measured vertically above an observation stands towers or platforms or any diving structures shall not be required to be bonded.