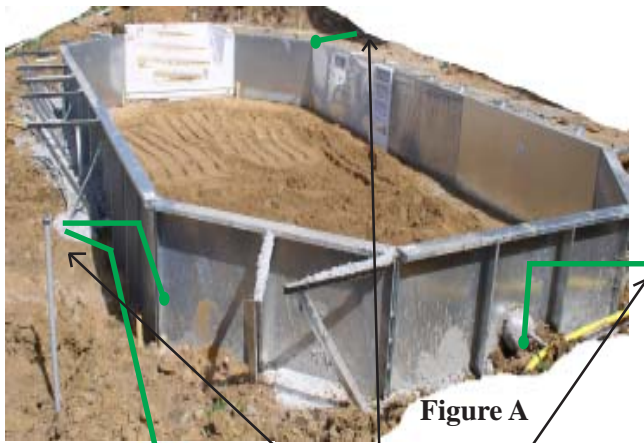


Bonding of Swimming Pools

Article 680.26

Two bonding inspections will be required on most pools



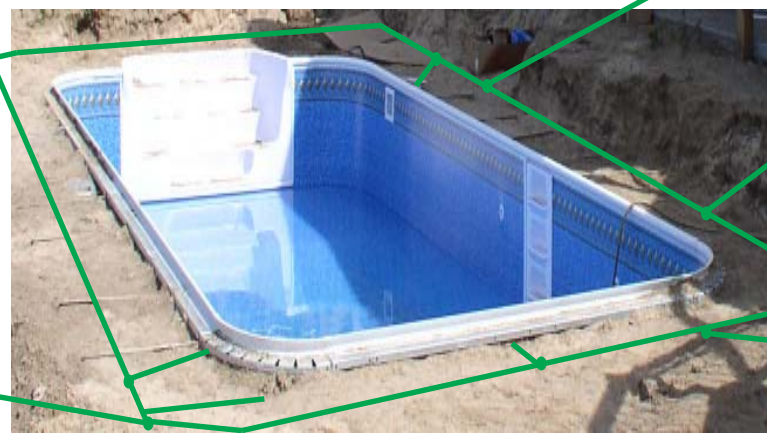
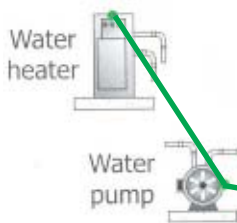
The first inspection is for structure bonding. This bonding is to connect one end of a whip to the pool light, walls of the metal frame, and any other metal that will be covered after the dirt is backfilled and leveled around the pool, and leave the opposite end exposed for later connection to the perimeter bonding conductor.

This inspection is a **640 - pool structural bond**.



Stubbed out to connect to the perimeter bond as shown in Fig. B

Pool perimeter bond loop. This is installed 18 to 24 inches away from the inside of the pool in the concrete surrounding the pool. All items to be bonded connect to this loop.



Diving boards

Ladders

Fences, metal door frames, etc. < or = to 5 ft.

Pool cover motor

Figure B

The second inspection is a **650 - pool perimeter bond** and it is requested after everything is backfilled and leveled but **before** the concrete is installed. All metal parts within 5 feet of the pool are to be connected to this conductor at the time the inspection is requested.

Equipotential Bonding Grid. The parts specified in 680.26(B) shall be connected to an equipotential bonding grid with a **solid bare copper conductor** not smaller than 8 AWG. This perimeter bonding conductor is to **follow the contour of the pool and be located 18 to 24 inches from the inside walls** of the pool. This conductor is to be installed in the concrete surrounding the pool or under the perimeter surface 4 to 6 inches below the subgrade. ***All connections shall be made by exothermic welding or by listed pressure connectors or clamps that are labeled as being suitable for the purpose.***

An intentional bond of a minimum conductive surface area of 9 square inches shall be installed in contact with the pool water. This bond is permitted to consist of parts that are already required to be bonded, such as the pool light or metallic ladder.