



CITY OF TEMPE

DEVELOPMENT SERVICES ▼ BUILDING SAFETY ▼ (480) 350-8341

YOUR GREEN BUILDING PARTNER

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NEW POOL GROUNDING REQUIREMENTS—The City of Tempe will be adopting the 2008 NEC effective January 1, 2009. After that date, all pools will be inspected for grounding in accordance with these diagrams and 2008 NEC, Sec. 680.26, **Equipotential Bonding**.

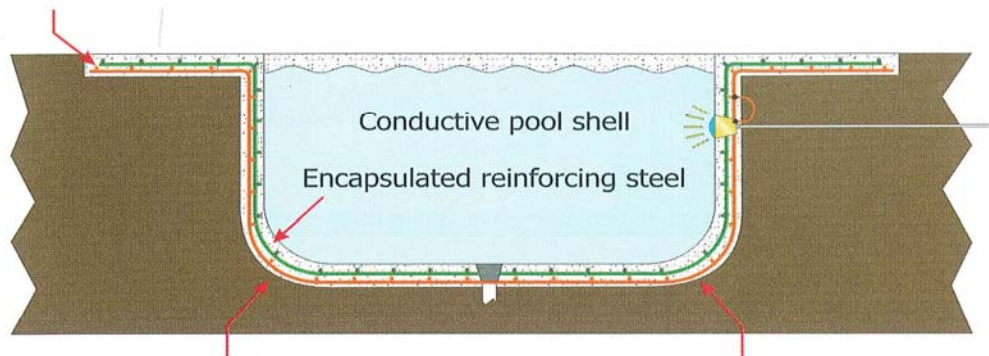
If you have any questions, please contact Building Safety Inspections at (480) 350-8341, option 1.

680.26(B)(1)(b) Copper Conductor Grid

The copper conductor grid shall be constructed of minimum 8 AWG solid copper conductors bonded to each other at crossing points.

The grid shall conform to the contours of the pool shell and the pool deck.

The grid shall be arranged in a minimum 12" x 12" network (pattern) of conductors uniformly spaced with a tolerance of 100 mm (4 in.).

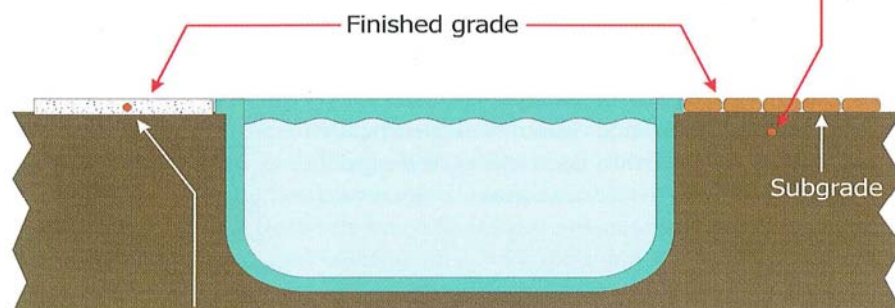


Copper conductor grid constructed in accordance with 680.26(B)(1)(b)

680.26(B)(2)(b) Perimeter Surfaces

At least one 8 AWG solid copper conductor secured within or under the perimeter surface and installed 450 – 600 mm (18 – 24 in.) measured horizontally from the inside walls of the pool.

Where installed beneath the final grade material, the bonding conductor shall be buried 100 – 150 mm (6 in. – 8 in.) below the subgrade.



A single 8 AWG solid copper conductor, wire mesh, or rebar in the concrete is permitted as the bonding grid.