



MONTGOMERY COUNTY BUILDING REGULATIONS

451 West Third Street
Dayton, Ohio 45422

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CODE ENFORCEMENT POLICY

Issued: August 2005
 By: Maury Wyckoff, Chief Building Official
 Effective: October 1, 2005
 Code Involved: 2005 National Electrical Code
 NFPA 70 TIA 05-2
 Article: 680.26(C) Equipotential Bonding Grid
 90.4 Enforcement

To meet the requirements for the equipotential bonding grid, one of the following 3 methods may be used, (as indicated by the National Electrical Code). This grid shall follow the contour of the pool and extend three feet within or under paved walking areas and may require more than one type of grid to be installed.

- 1 – Structural reinforcing steel
 - where reinforcing rods are bonded together buy the usual steel tie wires
- 2 – Bolted or welded metal pools
- 3 – Alternate means
 - #8 bare solid copper conductor bonded with approved connections
 - the grid shall follow the contour of the pool in a 12"x12" pattern, uniformly spaced
 - the grid shall be secured within or under the pool and deck

<u>Type of Pool</u>	<u>Where Equipotential Bonding Grid is Required:</u>		
	Under Pool	Vertical along walls	3' within or under paved walking surface
In ground fiberglass			X
In ground concrete	X	X	X
In ground concrete with metal walls	X		X
In ground pool with vinyl or non-conductive liner		X	X
Above ground with metal walls and vinyl, non-conductive liner			X
Above ground with polymer or non-conductive walls and supports			X
Spas and Hot tubs			X

Notes: All metal parts shall be bonded as per NEC article 680.26(B)

Bonding grids are not required:

- Under non-paved walking areas
- Under wood or other non-conductive decking
- Where fences or other barriers prevent one from standing on the ground adjacent to a pool and touching the water within the pool