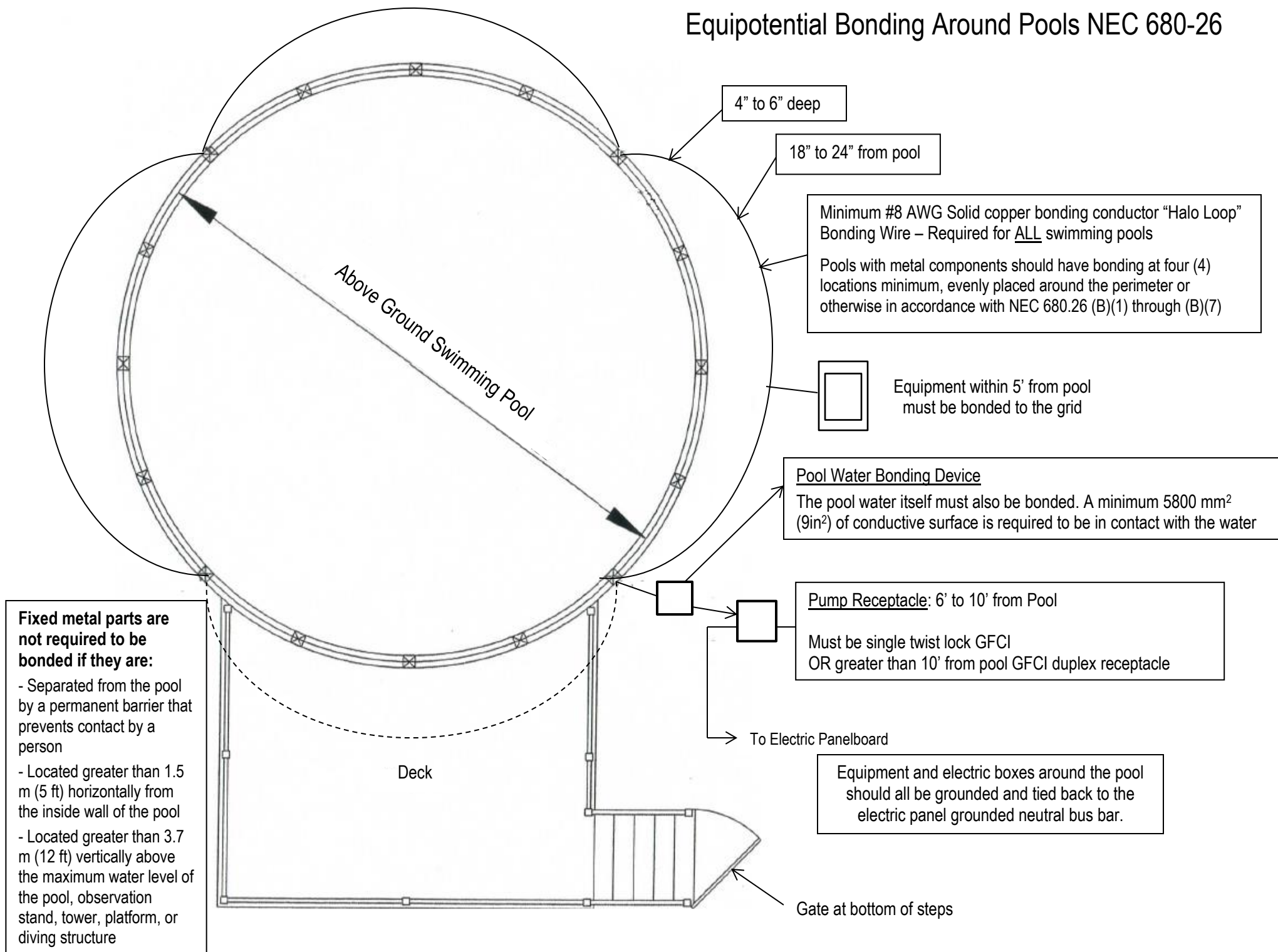


Equipotential Bonding Around Pools NEC 680-26



Re: NFPA 70 Equipotential Bonding of Above Ground Swimming Pools

reply from NFPA Staff – G. Moniz – 8-11-17 – PMCA update 2014NEC 10-23-20

Question: If we just have metal top and bottom plates to the columns and everything else is nonconductive are they required to be bonded?

Answer: Yes, according to the 2014 NEC®, the parts specified in 680.26(B)(1) through (B)(7) must be bonded together to reduce voltage gradients in the pool area. Section 680.26(B)(3) requires all metallic parts of the pool structure to be bonded.

Question: If we just have metal top and bottom plates to the columns and everything else is nonconductive are they required to be bonded? Are all of them required to be bonded?

Answer: Yes, according to the 2014 NEC® 680.26(B)(3) all metallic parts of the pool structure must be bonded.

Question: If we have an all plastic or fiberglass pool obviously it would not be required to be bonded but we would still be required to have the bare copper loop buried around the perimeter of the pool, correct?

Answer: Yes, according to the 2014 NEC®, 680.26(B)(2) the perimeter surface must be bonded.

Question: If we have an all metal sided pool with metal supports obviously it would be required to have bonding at least four places along with the other requirements including the number eight bare copper ground?

Answer: If bonding to perimeter, see 680.26(B)(2)(a) or (2)(b). Perimeter bonding is required to be attached to the pool reinforcing steel or copper conductor grid at a minimum of four points uniformly spaced around the perimeter of the pool.

Question: If we have a mix of components what rule of thumb or standard or other directive tells us when and how to apply the requirements for the attachment?

Answer: The parts specified in 680.26(B)(1) through (B)(7) are present they must be bonded together.

