

OUTDOOR - SPA and HOT-TUB

Required Bonding

The following parts of pools, spas, and hot-tubs shall be bonded together by a no. 8 awg. solid conductor or by internal connection.

1. **Conductive Shell.**
Metallic surfaces that are part of the shell
2. **Perimeter Surface.**
3ft. wide area around the outside pool or spa
3. **Metallic Components**
Metal parts that are part of the pool or spa
4. **Underwater Lighting Fixture.**
Non-factory light fixtures
5. **Metal Fittings.**
Metal parts exceeding 4 in.²
6. **Electrical Equipment.**
Motors, blowers, heaters, ect.
7. **Water**



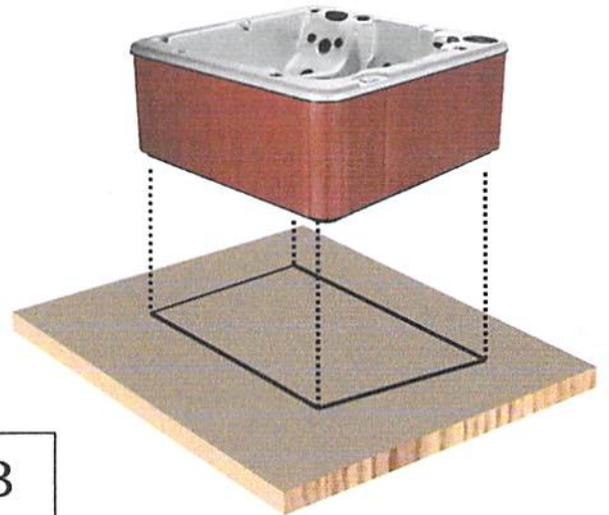
Perimeter Bonding - Existing Concrete Patio

A

- a. Cut a slot in the concrete along a line located 18 to 24 inches from the tub and along its entire perimeter.
- b. Lay a no. 8 solid copper wire in the slot and grout.
- c. Terminate copper wire to hot-tub bonding terminals.



OR



B

- a. Build a "deck" of wood or similar material, extending out a minimum of 3 feet beyond the sides of the hot-tub.
- b. Set hot-tub atop deck.