



BOROUGH OF RINGWOOD

Building Department ■ Code Enforcement

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Rev. 6/2022

Electrical Subcode Requirements HOT TUBS AND SPAS

1. Installation must follow the NEC Article 680 Part 3.
2. There shall be a convenience receptacle for the hot tub between 6 feet and 10 feet from the hot tub. It shall be a ground-fault receptacle with an "In Use" cover (a cover where the receptacle can stay plugged in with the cover closed).
3. Disconnect for hot tub must be within sight and a minimum 5 feet from hot tub.
4. All existing outlets within 20 feet shall be GFI protected as per 680.32.
5. The underground wiring from the house to the hot tub shall be in a listed electrical pipe (such as PVC) and buried down at 18 inches below grade. The wire in the pipe shall be of the proper colors (black, white, green, etc) and rated for outdoor/wet locations.
6. Equipment grounding conductor must follow size according to manufacturer's specs #10, #8, #6, etc.
7. Regular house wiring is allowed inside the house (ex. non-metallic sheath cable, Romex). Wiring methods for interior of the house shall follow NEC 680.42(c) and manufacturer's specs for installation of wiring.
8. Use the correct breaker for the correct panel and label it (ex. Square D breaker in a Square D panel).
9. There shall be proper support for the box with the receptacle and for the hot tub disconnect (ex. 4x4 post, angle iron, etc).
10. Perimeter Surface – 2017 NEC.680.26(2), Bond grid may be required on surfaces, as per 680.42 and 680.26, #8 bare solid copper to conform to the contour of the hot tub deck 18 to 24 inches from the inside wall of the hot tub 4 to 6 inches below grade bonded to control panel bonding system at four equal points. All metal objects within 5 feet of the hot tub must be bonded (metal piping, fences, awnings, doors, window frames, etc).
11. **INSPECTIONS:** A trench inspection is required to inspect the pipe underground from the house to the hot tub motor receptacle, and a final inspection is required once the hot tub is completely installed, filled with water, and the pump is working.