

## Requirements for Pool Electrical Permit

This request is for homeowners and contractors to determine code compliance for permit and review purposes for your proposed pool project. This required request is intended to avoid commonly encountered violations from homeowners and contractors for pool installations.



Additionally, there is a homeowner handout available with code required issues to help assist with this request should you need it. (HWPT supplemental sheet #3)

All plans are required to be sealed by a NJ licensed PE, Architect, Electrical Contractor, or prepared by homeowner and signed "personally prepared by John/Jane Doe." Plans are required pursuant to N.J.A.C. 5:23-2.15(f)iii to contain the following: Site plan, lighting, receptacles, motors and equipment, line diagram, wire size, conduit size, and breaker sizes. (informal site plan ok)

Please submit the following documentation in order to complete the plan review process and issue the electrical permit.

- Provide the location of pump motors in relationship to the pool, horse power and voltage of motors. (note motors must be listed for permanent size pools)
- Provide the methods and materials; conduit type, conduit depth. PVC conduit is not approved for equipment support.
- Provide the required maintenance disconnecting location and type.
- Provide the location of the convenience ground fault receptacle.
- Provide a branch circuit feeder single line diagram. Show wire sizes, location of ground fault protection, breaker sizes.
- Provide bonding details: size and type of bonding conductor, locations of connections. (Note any metallic object over 4" within 5 feet of pool must be bonded to pool grid)
- Provide details for the equipotential grid if any conductive walking surfaces surround the pool.
- Provide details on under water lighting: Deck box location and height, single line diagram showing grounding details, bonding details, and wire size. (note grounding conductor required to be in conduit all the way back to the panel).
- Provide details on site lighting. Location distance and height from pool, type and wattage of lights, and any ground fault requirements