

# LARRY KINNE

Central New York Electrical Inspection Services LLC.  
7910 Rinaldo Blvd W  
Bridgeport, New York 13030  
(315) 633-0027

## CHECK LIST FOR SWIMMING POOLS

- Building Permit**
- Electrical Inspection Application**
- ½ and ¾" schedule 40 PVC pipe (for in the ground)
- ½ or ¾" schedule 80 PVC pipe (where ever pipe comes out of the ground)
- ½ or ¾" PVC 90's
- ½ or ¾" PVC couplings
- ½ or ¾" PVC connectors (IF NEEDED)
- PVC outlet/switch boxes
- 45 inches of 12/3 SJ cord
- 12/3 SJ cord weather proof connector (for pump)
- # 12 THHN stranded wire (black, red or blue) # of feet needed
- #12 THHN stranded wire WHITE, # of feet needed
- #12 THHN stranded wire GREEN # of feet needed
- # 8 solid bare ground wire
- # 8 insulated copper wire (pool light)
- Ground lugs and connectors (**APPROVED FOR DIRECT BURIAL**)
- 4x4 pressure treated post
- 20amp. Single receptacle. ( **If installed within 6-10 feet** )
- In-use weather proof covers. ( **Must say " Extra Duty"** )
- 20amp. Switch (optional)
- Weather proof switch cover (if using)
- 3M potting compound or other listed product (for ingound pool light)
- G.F.C.I. –receptacle, breaker or blank face, (depending on your installation)  
(receptacle/blank face **must** say WR weather resistant on them)
- 4x4 J-box (for in the house to transition from pipe)
- 12/2 Romex – (for in the house **ONLY** and for Pump **ONLY**)
- Romex connectors
- 20-amp circuit breaker to fit your electrical panel
- Time clock (**A must**) This is a NYS Energy Code
- Pipe straps
- Romex staples
- Water Bond Kit (**A Must**) ( **If no other metal is in contact with pool water** )
- Listed** Pool light junction box

**PLEASE NOTE:** Above list is for your convenience and depending on how you install your electrical system **you** may need other types of supplies.

## **In ground / Above Ground Pools**

1. Romex wire is allowed inside the house. Once you come outside you must use conduit and THHN single stranded wire. (**Wiring for pool lights is different. See pool light instructions**)
2. The pump must have a label on it that tells me it is approved for swimming pools.
3. The cord on the pump can be no longer than 36" long
4. The receptacle has to be at least **six** feet away from pool and if within 10 feet it must be a single receptacle.
5. A **timer** is required on all pumps and heaters.
6. All ditches must be 18" deep unless **ALL** conductors are GFCI protected.
7. **All wire must be cooper** and #12 gauge for pump and # **8 gauge bare for all bonding.**
8. All grounding and bonding connectors **must be rated for direct burial.**
9. You **must have** a convince receptacle within 6-20 feet of any pool. These needs to be GFCI protected and **can't be** on the pool pump circuit.
10. **All** electrical equipment **MUST have three (3) feet** of clear working space in front of it.
11. For bonding of pools see instructions.
12. For pool lights see pool light instructions.

