



## Swimming Pool, Spas & Hot Tubs Plan Requirements

*The following Information shall be the minimum required information on all plans submitted for swimming pools, spas & hot tub construction per 2015 codes including:*

*2015 IRC (International Residential Code-Fuel Gas, Mechanical & Energy Sections)*

*2015 ISPCS (International Swimming pool and Spa Code)*

*2014 NFPA 70 NEC 2014 (National Electrical Code)*

**Please review the information noted below & acknowledge compliance or provide additional information. If you have questions, please contact Ed Tiernan at 610-647-5300 ext 239 or [etiernan@willistown.pa.us](mailto:etiernan@willistown.pa.us).**

1. **Site Plan** – show Property line, setbacks, utilities, right-of ways, easements & grades/contours
2. **Permit application (Zoning, Pool and Electrical/Mechanical permit applications)** with Workman's Compensation affidavit and Liability Insurance.
3. **List General Contractor** for job and contact information, Please list all sub-contractors and their insurance information. All contractors to show PA registration number, name, address, phone number and email.
4. **Construction Documents** – Plans, specifications, details, profiles and special inspections.
5. **What Type**-in ground, or above ground, storable residential?
6. **Specifications** – Steel rebar clearances, laps, connections, etc.  
**Electrical information** to be addressed, electrical layout, must also comply with NEC 2014 Article 680
7. The pool water shall be bonded- provide location with details per E4204.3 2015 IRC, 2014 NEC 680.42(B)
8. An equipotential bonding grid is required and connection to rebar per E4204.2 2015 IRC
9. A GFCI receptacle is required, within 20 feet from the inside wall of the pool per E4203.1.3 2015 IRC, 2014 NEC 680.21(c), 680.22(A)(4)
10. Is there a panel box at pool pump location with a ground rod? To be done per E4205.6.1 and E3607.3 2015 IRC and NEC 2014 680.25(b)(2)
11. Is pool pump cord connected or is a disconnection means readily accessible and within sight of equipment? Location of switches to be per E4203.2 and means of disconnecting per E4203.3 2015 IRC, 2014 NEC 680.22(C), 680.43(C), 680.72 and 680.12

12. The pool pump shall be grounded per E4205.5, 2015 IRC, 2014 NEC Article 680.21(A)(1) and (A)(4)
13. Provide a legible sketch with information and distances for wiring and equipment. Does length or temperature require derating of wire size? 2014 NEC article 310
14. Provide trench detail showing burial depth. Conduit size. Show routing of wire to comply with per E4203.7, including wire type suitable for wet location per E3803.10 2015 IRC 2014 NEC 680.10
15. Underground wiring type shall comply with NEC 2014 section 310.10 paragraph C, types to be MTW,RHW,RHW-2,TW,THW,THW-2,THHW,THWN,THWN-2,XHHW,XHHW-2,ZW

#### **Barrier requirements**

16. Please refer to 2015 ISPSC , International Swimming Pool and Spa Code section 305.
17. Show compliance with barrier and height clearances, note mesh fence, chain link, spaced horizontal members , clear zone 305.2.9, barrier setback from poolside 305.10
18. Gates in barrier must comply with 305.3 thru 305.3.3
19. Structure wall as barrier section 305.4 **Please note change in code** to include, not just doors but all operable windows with sill height of less than 48 inches above indoor finish floor. Alarms to be listed and labeled complying with UL 2017 or safety cover complying with ASTM F 1346.

#### **Entrapment Avoidance**

20. Must comply with section 310 ISPSC 2015, in accordance with ASSP 7