

POOL

(Swimming Pool & Spa)

Please submit/upload plans in PDF format

Please indicate items submitted with a checkmark (✓)

Please upload [this Checklist and any Required Forms](#) in **.pdf format** to the appropriate category [<Survey>](#) [<Building Plans>](#) [<Supporting Docs>](#) [<NOA>](#) following the TOJ Naming Convention found in Help Documents

Create online as: **Residential In Ground Pool/Spa**
Residential Above Ground Pool
Commercial In Ground Pool/Spa See #4 below

30% of permit fees due with this application. Balance of fees (building, impact, etc.) due at time of permit issuance. All subcontractor permits shall be issued prior to commencing work.

1. Site Information <Survey>

- a. Survey showing location of pool and setbacks _____
- b. Must have printed legal description & flood zone _____
- c. Indicate distance from power lines, septic system and structures _____
- d. Drainage plan/survey including flow arrows representing the proposed site drainage and typical lot grading cross section(s) along property lines _____
- e. Define pool and deck setbacks from property lines _____
- f. If artificial turf is proposed around the pool/deck areas, then submit a typical cross section for proposed turf and underlying soil layer & define how turf system will be constructed _____

2. Plans <Building Plans>

- a. Engineer signed/sealed plans, include designer name and address _____
- b. Plans must state design parameters compliance with FBC 7th Edition (2020), ASCE7-16 and shall include but not limited to: _____
 - Water velocity for pressure, suction piping & TDH _____
 - Electrical riser to include amperage of pool sub-panel and all wire and conduit size. _____
 - Structural drawings showing floor slope, wall criteria, plumbing, etc _____

3. Supporting Documents <Supporting Docs>

- a. Owner/Builder Affidavit, if applicable _____
- b. Acknowledgment of Owner Responsibility - NOTARIZED _____
- c. Completed Drainage Certification form _____
- d. Plumbing permit application to be submitted with original permit package _____
- e. Electrical permit application by certified electrician submitted in permit package _____
- f. Provide Load Calculation including proposed pool equip/size of existing service _____
- g. Provide pump curve charts from manufacturer _____
- h. Plans **MUST** include water velocity for pressure, suction piping and **TDH** _____
- i. Pool Heater: Gas _____ (Gas separate permit) or Electric _____ or None _____

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4. **Commercial Pools: Create online as Commercial In Ground Pool/Spa**
(Applies to pool other than residential OR pools used by more than five families)
- a. Plans stamped by:
 - Jupiter Utilities Department
 - LRECD
 - b. Soil analysis report
 - c. Survey and site plan with deck and pool elevations
 - d. Public pool permit notification PBC Health Department

Required items:

- **Permits for Electric, Plumbing, Fence required before commencing that work.**
- **Temporary 4 ft. high fence required during construction at ALL times!**
- **Swimming Pool Barriers MUST Conform to FBC 454.2.17 & R4501.17**

TOWN OF JUPITER BUILDING DEPARTMENT FIELD INSPECTION SERVICES

BONDING OF POOL WATER

Recent industry changes have created an issue concerning equipotential bonding that is having an impact on swimming pool construction and all pool inspections. The issue of concern is the requirement found in the National Electrical Code 680.26(C) dealing with the bonding of pool water. This article says:

“(C) Pool Water. An intentional bond of a minimum conductive surface area of 5800mm² (9 in.²) shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B).”

In many pools, this code requirement is met by the installation of a metallic ladder, a metallic hand rail or standard wet niche lighting. Each of these is required to be bonded to the equipotential bonding grid since they have parts in direct contact with pool water. In the case of standard wet niche lighting the metal ring surrounding the light provides the direct contact. However, many residential swimming pools being installed do not contain a metallic ladder or hand rail and, in recent times, standard wet niche lighting is being replaced with a plastic wet niche or LED lighting which require no bonding. The issue of concern then becomes how to effectively bond the pool water using this type of pool construction thus meeting the requirement as stated in 680.26(C).

Some have felt that since a listed swimming pool pump has pool water flowing through it and is required to be bonded that this will satisfy the code reference in question. However, there is a lack of any language either from any pump manufacturer or from a National Recognized Testing Laboratory (NRTL), such as Underwriters Laboratory (UL), specifically stating that there is the required 9 in.² of conductive surface in direct contact with the pool water. The same holds true for listed pool heaters. Therefore, it is the position of the Town of Jupiter that neither pumps nor heaters can be used to meet the requirement of NEC 680.26(C) unless that language is available and on site at time of inspection.

In lieu of using conventional means to bond pool water, there are listed products available that allow a contractor to satisfy this code requirement. A sampling of which can be found at the following websites:

<http://waterbonder.com/>

<http://www.bondsafe680.com/>

<http://permacastonline.com/>

CONCLUSION

The Town of Jupiter always has been and remains committed to making our community as safe as possible. The use of residential swimming pools is no exception. This is of special concern since we have a large number of swimming pools and the majority is accessible to children. In view of the foregoing, all future inspections will be looking to ensure this type of bonding prior to the introduction of pool water.

TOWN OF JUPITER BUILDING DEPARTMENT

FIELD INSPECTION SERVICES

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Drainage Certification Form
Town of Jupiter Building Department

Permit # _____

(Print Name) I, _____ intending to be legally bound, hereby certify the lot drainage will be installed in accordance with the approved site drainage plans and details.

At said property _____ Date: _____

Signature, Permit Qualifier: _____

License # _____

State of Florida
Palm Beach County

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ (Year).

by _____ who
(Name of Person Acknowledging)

Personally Known _____ Or Produced Identification _____

Type of Identification Produced _____

(Signature of Notary Public – State of Florida)

(Print, Type or Stamp Commissioned Name of Notary Public)

210 Military Trail
Jupiter, Florida
(561) 741-2286 Telephone
(561) 741-0911 Fax

TOWN OF JUPITER BUILDING DEPARTMENT

210 Military Trail, Jupiter, Florida 33458

(561) 741-2286

**ACKNOWLEDGEMENT OF
OWNER RESPONSIBILITY FOR POOL SAFETY**

Permit No. _____

Owner _____
(Print name)

Address _____

When a pool permit is issued, I understand that it is my responsibility as owner of the property to provide safety enclosures and barriers pursuant to Florida Building Code Chapter 424, Florida Statute 515 and ANSI/NSPI-8.

These safety enclosures and barriers will be installed and in working order at time of final pool inspection.

Signature of Owner

THIS DOCUMENT MUST BE NOTARIZED

The foregoing instrument was acknowledged before me this _____
day of _____, 20_____ by _____
who is personally known to me or has produced _____
as identification and who did or did not take an oath.

NOTARY PUBLIC

Signature _____

Printed _____

My Commission Expires _____ Serial # _____
(if any)

Official Stamp / Seal:

For information on pool enclosure and barrier requirements, please contact the Jupiter Building Dept, Monday through Friday, 8:00 AM to 5:00 pm.

**PUBLIC POOL PERMIT NOTIFICATION
PALM BEACH COUNTY HEALTH DEPARTMENT**

File this notice before commencing work on a public pool

TO: Palm Beach County Health Dept.
Environmental Public Health
Plan Review & Permits
P.O. Box 29, 800 Clematis Street
West Palm Beach, FL 33402

Fax to: 561-837-5294
Phone: 561-837-5900 #5
e-mail: Thomas_lefevre@doh.state.fl.us

DATE: ____ / ____ / 201__

FROM: _____
(Contractor) _____ (License No.) _____

(Address) _____ (Phone/Fax) _____

(City, State) _____ (e-mail) _____

This will serve as notification of proposed public pool construction or modifications for:

_____ Pool Spa Other _____
(Pool owner name)

located at _____
(Street address, City, ZIP)

Operating Permit No.: 50-60- _____ (existing pool)

Building Permit No.: _____ Issue Date: _____

Building Department Name.: _____

Work to be performed:

New Construction Modify existing

Description _____

Contractor must submit an application for initial operation permit form DH 918 (available at <http://www.doh.state.fl.us/environment/water/swim/index.html>) and one copy of plans approved by the building department to PBCHD to obtain a health department inspection and approval for a public pool operating permit. The fee for new pools is \$150.00. No fee is required for modifications.

An inspection of this project will be requested upon certification of completion.

(Signature of Contractor)

(Date of commencement)

SMP