

## **SWIMMING POOL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 7<sup>TH</sup> EDITION (2020)**

### **REQUIREMENTS FOR SITE SPECIFIC PLANS WITH EACH POOL PERMIT:**

(2 Two copies of this information will be required with each pool/hot-tub, spa application. Application to include all sub-contractors)

1. Site-Plan showing location of pool on property and distance from all property lines.
2. Diameter and Depths of proposed pool relative to adjacent foundations of other structures and any retaining walls and/or finished grades and slopes.
3. If pool falls in the angle of repose of any existing foundation, additional engineering shall be provided indicating how the foundation shall be maintained.
4. Distance of any glass adjacent to pool edge and distance from walking surface to bottom edge of glass. (As per FBC sec. 2406.5) within 60" of the waters-edge and within 60" of the walking surface on the pool side of the glazing shall be tempered.)
5. All accessories to the pool such as ladders, slides, diving boards etc. that are proposed.
6. Location of existing electrical outlets and fixtures and the proposed receptacle within the pool area.
7. Location and type of all proposed pool equipment, electric and gas service.
8. Will pool or spa have heater and will it be gas or electric? If using gas provide layout and sizing of gas lines.
9. Show detail of how POOL BARRIER REQUIREMENTS, FBC Section 424.2.17, shall be met on this specific pool.
  - a. (Screen enclosure and openings, alarms (make, model and listing), fence (height, openings, gates with location and distance from pool).
  - b. This will be on Contractor identified plan or separate sheet signed by Contractor.

## Swimming Pool Inspection Requirements Inground Pool – Concrete

**Shell Inspection:** To be made after excavation and installation of reinforcing steel, bonding and main drain and prior to placement of concrete.

1. **Steel Inspection:** Verify all steel is installed according to plans and specifications.
2. **Pool Piping Inspection:** All piping must complete and run to equipment location. Must be pressurized to a minimum of 35 psi and be sufficiently exposed to verify code compliance.
3. **Pool Bonding Inspection:** Minimum 8 AWG bonded to pool steel at a minimum of four locations. (NEC 680.26)
4. **Temporary Barrier:** Excavated site must be surrounded by a temporary safety barrier securely installed with metal T-Posts or equivalent installed every 4' as to prevent accidental falls.

**Deck Inspection:** To be made prior to installation of pool deck.

1. **Pool Deck Bonding:** Minimum 8 AWG shall be between 18" and 24" from inside wall of pool and secured 4" to 6" below subgrade. (NEC 680.26)
2. **5' Rule Bonding:** All metal within 5' of pool to be bonded.
3. **Pool Electric:** Underground wiring shall be installed in conduit with a minimum depth of 12".
4. **Deck Inspection:** Verify compaction of soil, termite treatment if within 1' of structure, verify structural components if applicable.
5. **Temporary Barrier:** Excavated site must be surrounded by a temporary safety barrier securely installed with metal T-Posts or equivalent installed every 4' as to prevent accidental falls.

**Pre-Fill Safety Inspection:** To be made prior to filling pool. (FBC R4501.9)

1. **Electrical Final Inspection:** All bonding and wiring completed correctly. GFCI's installed where applicable
2. **Safety Barrier and Alarms:** All permanent safety barriers/enclosures and alarms in place and operating properly. Section 414.2.17 F.S.
3. **Entrapment Safety Inspection:** Anti-Entrapment devices installed properly.
4. **Glazing inspection:** Verify any glazing within 5' is safety glazing.

**Final Inspection:** To be made once pool is filled and operational.

1. Pool shall be fully operational and final grading complete.
2. If pool has a heater proof of pool cover is required.
3. All construction materials and debris shall be removed from jobsite.
4. Any damaged right-of-way shall be repaired.

## Swimming Pool Inspection Requirements

### Inground Pool – Fiberglass

**Shell Inspection:** To be made after installation but prior to back filling around shell. Pool Can be filled with approved safety barrier installed.

1. **Pool Piping Inspection:** All piping must complete and run to equipment location. Must be pressurized to a minimum of 35 psi and be sufficiently exposed to verify code compliance.
2. **Pool Bonding Inspection:** Minimum 8 AWG bonded to any metal surfaces located in pool as applicable.
3. **Temporary Barrier:** Pool and site must be surrounded by a temporary safety barrier securely installed with metal T-Posts or equivalent installed every 4' as to prevent accidental falls/drowning.
4. **Water Treatment:** Filled pools must be treated to prevent mosquitoes or other unwanted pests.

**Deck Inspection:** To be made prior to installation of pool deck.

1. **Pool Deck Bonding:** Minimum 8 AWG shall be between 18" and 24" from inside wall of pool and secured 4" to 6" below subgrade. (NEC 680.26)
2. **5' Rule Bonding:** All metal within 5' of pool to be bonded.
3. **Pool Electric:** Underground wiring shall be installed in conduit with a minimum depth of 12".
4. **Deck Inspection:** Verify compaction of soil, termite treatment if within 1' of structure, verify structural components if applicable.
5. **Temporary Barrier:** Pool and site must be surrounded by a temporary safety barrier securely installed with metal T-Posts or equivalent installed every 4' as to prevent accidental falls/drowning.
6. **Water Treatment:** : Filled pools must be treated to prevent mosquitoes or other unwanted pests.

**Final Inspection:** Must be called prior to use by occupant.

1. **Electrical Final Inspection:** All bonding and wiring completed correctly. GFCI's installed where applicable
2. **Safety Barrier and Alarms:** All permanent safety barriers/enclosures and alarms in place and operating properly. Section 414.2.17 F.S. (\*It is contractors' responsibility to maintain integrity of safety barrier while transitioning to permanent barrier).
3. **Entrapment Safety Inspection:** Anti-Entrapment devices installed properly.
4. **Glazing inspection:** Verify any glazing within 5' is safety glazing.
5. **5' Rule Bonding:** All metal within 5' of pool to be bonded.
6. Pool shall be fully operational and final grading complete.
7. All construction materials and debris shall be removed from jobsite.
8. Any damaged right-of-way shall be repaired.

## Swimming Pool Inspection Requirements Above Ground Pools

**Pre-Fill Safety Inspection:** To be made prior to filling pool. (FBC R4501.9)

- 1. Electrical Final Inspection:** All bonding and wiring completed correctly. GFCI's installed where applicable. Any metal in the pool must be bonded.
- 2. 5' Rule Bonding:** All metal within 5' of pool to be bonded.
- 3. Safety Barrier and Alarms:** All permanent safety barriers/enclosures and alarms in place and operating properly. Section 414.2.17 F.S.
- 4. Entrapment Safety Inspection:** Anti-Entrapment devices installed properly.
- 5. Glazing inspection:** Verify any glazing within 5' is safety glazing.

\*Pools with sides 48" and greater don't require additional barriers however access must be removable or have a lockable cover preventing access.

\* Metal frame pools shall be bonded at four locations and be served by a bonding loop around perimeter and tying to motors.

## SWIMMING POOL BARRIER REQUIREMENT

Section R4501.17.1.1 of the 2020 Florida Building Code - Residential, and Chapter 515 of Florida Statutes, requires pool barriers to be installed around the entire perimeter of a pool, spa, or hot tub. In addition to this executed affidavit, all provisions for the required pool barrier shall be shown on the plans. I (We) acknowledge that a new swimming pool, spa, or hot tub will be constructed or installed at the above address, and hereby affirm that one or more of the following methods will be used to meet the requirements of the R4501.17.1.1 of the 2020 Florida Building Code - Residential (FBC-R) and Florida Statutes, Chapter 515.

### **Please check all applicable methods proposed to create a 360-degree barrier around pool:**

- The pool will be equipped with an approved safety pool cover that complies with ASTM F1346-91(2003), Standard Performance Specifications for Safety Covers for Swimming Pools, Spas, and Hot Tubs.
- A new, continuous barrier, such as a fence, wall or screen enclosure, will be placed completely around the pool perimeter to provide the required 360-degree protection. Identify method(s) below and on site plan or pool layout:
  - 4 ft or higher perimeter fence (wood, chain link, aluminum, PVC or other).
  - Aluminum screen enclosure with self-closing, self-latching door with latching device minimum 54" above threshold.
  - Child safety barrier meeting R4501.17.1.15 of the 2020 FBC-R.
  - Other (Specify) \_\_\_\_\_
- A combination system such as a perimeter (partial) barrier used in conjunction with a child safety barrier between house and pool meeting R4501.17.1.15 of the 2014 FBC-R, window/door alarms meeting UL 2017 and R4501.17.1.9 of the 2020 FBC-R, or window alarms with doors meeting self-closing, self-latching requirements of R4501.17.1.9 of the 2020 FBC-R. Identify proposed combination below and on site plan or pool layout:
- Screen enclosure with child safety barrier between house and pool.
- Screen enclosure with window & door alarms (or complying doors) at required locations (indicate type of alarm and who is installing).
- Perimeter fence with child safety barrier between house and pool.

## SWIMMING POOL BARRIER REQUIREMENT

- Perimeter fence with window & door alarms (or complying doors) at required locations (indicate type of alarm and who is installing).
- Existing 4 ft or higher perimeter privacy fence converted (with permit) to pool barrier fence with child safety barrier between house and pool.
- Existing 4 ft or higher perimeter privacy fence converted (with permit) to pool barrier fence with window & door alarms (or complying doors) at required locations.
- Other \_\_\_\_\_

**I understand that not having a complete barrier around the perimeter of the pool is a violation of Section R4502.17.1 of the 2014 FBC-R. I further understand that filling a pool before a successful final electric and final barrier approval by City of Newberry is not permitted.**

\_\_\_\_\_  
Pool Company Name

\_\_\_\_\_  
Qualifier Name

\_\_\_\_\_  
Applicant/Owner Signature

\_\_\_\_\_  
Date

## SIMPLIFIED TOTAL DYNAMIC HEAD CALCULATION WORKSHEET

Determine maximum system flow rate: Provide at least one turnover every 12 hours

1. Calculate pool volume:  $surface\ area \times avg\ depth \times 7.48\ gals/cub.\ ft = volume\ in\ gallons$

\_\_\_\_\_ X \_\_\_\_\_ X 7.48 = \_\_\_\_\_

2. Determine preferred turnover time in hours:  $hour \times 60\ min/hour = turnover\ time\ in\ minutes$

\_\_\_\_\_ X 60 = \_\_\_\_\_

3. Determine max. pool

flow:  $gallons \div turnover\ in\ minutes = flow\ rate + add\ water\ feature\ flow = pool\ flow\ rate$

\_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Spa jets \_\_\_\_\_ x \_\_\_\_\_ gpm each jet = \_\_\_\_\_ flow rate

### FOR SINGLE PUMP POOL/SPA COMBO USE THE HIGHER FLOW RATE ON #3 OR #4 IN THE FOLLOWING CALCULATIONS

Branch piping to be \_\_\_\_\_ inch to keep velocity @ 6 fps max at \_\_\_\_\_ gpm Max. System Flow Rate  
(see note below)

Trunk piping to be \_\_\_\_\_ inch to keep velocity @ 8 fps max at \_\_\_\_\_ gpm Max. System Flow Rate  
(see note below)

Return piping to be \_\_\_\_\_ inch to keep velocity @ 10 fps max at \_\_\_\_\_ gpm Max. System Flow Rate  
(see note below)

### Determine simplified TDH

1. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
*length of return pipe  $\times$  ft of head per 1 ft. of pipe = tdh in piping*

2. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
*length of suction pipe  $\times$  ft of head per 1 ft. of pipe = tdh in piping*

TDH in piping \_\_\_\_\_

Filter loss in TDH \_\_\_\_\_  
(from filter data sheet)

Heater loss in TDH \_\_\_\_\_  
(from heater data sheet)

### TOTAL SIMPLIFIED TDH

Pump Selection \_\_\_\_\_ using pump curve @ simplified TDH and system flow rate  
Pump model and size (h. p.)

Suction Outlet Cover \_\_\_\_\_ system flow rate must not exceed approved cover flow rate  
Make and model

## POOL SUBCONTRACTOR VERIFICATION

PERMIT NUMBER \_\_\_\_\_ SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

The City of Newberry issues combination permits where one permit covers all trades doing work at one site. It is **REQUIRED** that we have documentation of the subcontractors who actually did the trade specific work under the general contractor's permit. **It shall be the responsibility of the Pool Contractor to make sure that the subcontractors are licensed and registered with the City of Newberry Building Department.**

**Pool Contractor:**

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
STATE LICENSE NUMBER

Company Name: \_\_\_\_\_

PLEASE PRINT

**Electric Contractor:**

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
STATE LICENSE NUMBER

Company Name: \_\_\_\_\_

PLEASE PRINT

**Gas Contractor:**

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
STATE LICENSE NUMBER

Company Name: \_\_\_\_\_

PLEASE PRINT



Mailing: 25440 W Newberry Rd  
Newberry, Florida 32669  
Tel: 352-472-2161 Ext. 3  
www.NewberryFL.gov

STAFF USE ONLY

# RESIDENTIAL POOL PERMIT APPLICATION

PERMIT EXPIRES 180 DAYS FROM THE DATE OF ISSUE

ALL PLANS MUST COMPLY WITH 2020 FLORIDA BUILDING CODES, SEVENTH EDITION, 2017 NEC,  
CITY OF NEWBERRY CODE OF ORDINANCES & LAND DEVELOPMENT REGULATIONS

## APPLICANT/CONTRACTOR INFORMATION

Company Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Email \_\_\_\_\_

\_\_\_\_\_ Contractor Name \_\_\_\_\_

License Number \_\_\_\_\_ Contractor Phone \_\_\_\_\_

## PROPERTY INFORMATION

Owner Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Email \_\_\_\_\_

\_\_\_\_\_ Parcel Number \_\_\_\_\_

Job Address \_\_\_\_\_ Subdivision \_\_\_\_\_

\_\_\_\_\_ Zoning \_\_\_\_\_

Unit # \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Use \_\_\_\_\_

Setbacks: Front \_\_\_\_\_ Rear \_\_\_\_\_ Left \_\_\_\_\_ Right \_\_\_\_\_

## PROJECT INFORMATION

Type of Pool: \_\_\_\_\_ Heater Type: \_\_\_\_\_  
(Inground Concrete, Inground Other, Above-Ground) (Gas, Electric, Solar, NA)

Length \_\_\_\_\_ Width \_\_\_\_\_ Maximum Depth \_\_\_\_\_ Gallons \_\_\_\_\_

Description of work to include any special details that are not standard: \_\_\_\_\_

Number of Stories \_\_\_\_\_ Value of Work \$ \_\_\_\_\_

Description of work:

Located in the Historic Little Red School House  
25815 S.W. 2nd Avenue

### WARNING TO OWNER

A Notice of Commencement must be recorded and posted on the job site before first inspection. Your failure to record a Notice of Commencement may result in you paying twice for improvements to your property. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

### OWNER / CONTRACTORS AFFIDAVIT

I have carefully read and examined this application and the information contained within is true and correct to the best of my knowledge and belief. I certify that no work has commenced prior to the issuance of a permit, and that all work will comply with the City of Newberry and laws of the State of Florida, whether specified or not. **I will notify the City of Newberry 24 hours in advance for all inspection requests.** No work will be concealed before approval is issued. I have reviewed all documents provided and agree to the terms.

***Consent is given for the entry of authorized inspections until the job has received a Certificate of Occupancy or Certificate of Completion.***

\_\_\_\_\_  
Contractor Name  
Please Print

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner-Contractor Name  
Please Print

\_\_\_\_\_  
Owner-Contractor Signature

\_\_\_\_\_  
Date