

Inspection Requirements

The following will be inspected at the Pool Steel/Ground inspection:

- Electric feed to pool panel must be in conduit.
- All steel grounded with minimum #8 copper wire.
- Electrical connections at "wet niche" (pool lights) can only be protected with a listed potting compound.
- Pool steel inspected for proper spacing and laps.
- Pool steel checked for elevation/clearances.
- Soil checked for vegetation and drainage.
- Plumbing piping pressure tested to 35 PSI. including vent piping, if used.
- Safety fences for pool excavation.
- Underpinning for foundation with sealed plans.
- Minimum of 2 suction inlets that are a minimum of 3 ft apart or located on different planes. They must be interconnected to work simultaneously.
- Approved back-up protection system is required with all bottom drains.

The following will be checked at Final Inspection:

- Anti-Vortex drain covers inspected to meet Standard ANSI/ASME A 112.19.8M.
- Cleaner suction inlets must have permanently installed self-closing flapper valves (skimmers are exempt).
- Above ground pools have pool's edge 48 inches above grade with a removable ladder or steps.
- Above ground pools may have a 48 barrier above pool edge with removable ladder or steps.
- Above ground pools may have double insulated cord and plug filter motors with extension cords from a GFCI protected source.
- All metal within 5 feet of pool edge **MUST** be bonded.
- All pool screen enclosures bonded.
- Pool pumps must be bonded with disconnects at motor.
- Pump size must be same as required for engineered vent pipe system, if used.
- GFCI protected outlet must be provided between 10 and 20 feet from pool edge and must be within the screen enclosure area if present.
- Pool/Spa may have an approved safety cover per ASTM F1346-91, but still must meet barrier requirements of Lake County Land Development Regulations.
- All windows within 60 inches of pool's edge and bottom edge of glass is less than 60 inches above the deck are required to be safety glass. **Per FBC R308.4**

NO BARRIER, NO FINAL!

Approximate method for computing excavation for inground pools and area of repose for existing structure foundations.

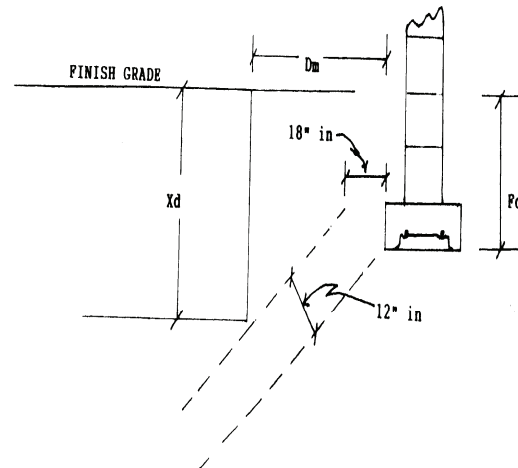
LEGEND:

Dm=MIN. Distance from foundation to excavation.

Xd=Depth of Excavation

Fd=Depth to bottom of Existing Foundation

FORMULA: $Dm = Xd - Fd + 18$ inches



EXAMPLE: Desired depth for Excavating ; 5 Ft.
 Depth of existing footing; 2 Ft.
 $Xd=5$, Minus $Fd 2=3$ Plus 18 inches = $Dm 4$ Ft. 6 in.



LAKE COUNTY

DEPARTMENT OF
GROWTH MANAGEMENT
Building Services Division

How to obtain a permit for a:

Residential Swimming Pool/Spa

In Accordance With
Florida Building Codes



Reach Us On The Web
www.lakecountyfl.gov

Tavares Office

315 West Main St.
Tavares, FL 32778

Phone (352) 343-9653
Fax (352) 343-9771

What do I need to bring in?



When you come to the Building Services Division you will need to bring the following items:

- **Permit Application**
The application must include detailed directions to the job site along with the job value. A copy of the contract can be submitted in place of the job value on the application.
- **A current tax receipt or property record card.**
Must contain the full legal description and current owner's name. A recorded deed may be required to show current ownership.
- **One set of construction plans.**
Plans must be signed & sealed by a Florida registered engineer.
- **Notice of Commencement.**
Required If the value of the job is more than \$2500.00.
- **One plot plan**
Show lot dimensions, location of any and all structures water bodies, and distances to property lines.
- **Zoning Clearance**
This can be obtained from the Zoning/Customer Service Division. If located in the city limits of a city that Lake County issues permits for, one will need to be obtained from that city's Zoning Division.
- **One site specific plan.**
Site plan must show the deck area, pool size, depths & distances from house, foundation, & lot lines.

The following will be checked during plan review:

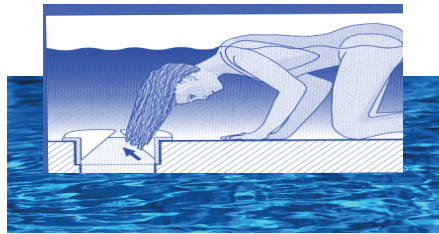
- **Sealed engineering for vent pipe system** for entrapment prevention, if used.
- **Retaining wall details** must be sealed if used.
- **Sealed details for pool steel angle of repose details** must be provided where required.
- **Sealed underpinning details for excavation** in any structures' angle of repose, if needed.



Entrapment Protection Requirements

According to Florida Building Code Residential section R4101.6.6, all pools must have an entrapment prevention system. Entrapment prevention details and construction will be checked to verify meeting one of the following methods:

- Florida sealed engineering for a vent piping system that relieves the vacuum to less than 4.5" of mercury in 3 seconds or less. Details will list dimensions and installation specifications and calculations.
- An approved vacuum relief device designed to meet IAPMO IGC 160-2001a.
- Or other approved means.



These devices can be easily and quickly installed on any existing or new swimming pool or spa and provide two "layers of protection".

Pool Barrier Requirements

Any and all pool barriers must meet the following requirements:

- Will be min 48 inches above grade and be located no farther than the pool perimeter. A pool perimeter is defined by the limits of the pool deck, its surrounding area including yard area on same property, and any dwelling or non-dwelling wall or any combination thereof which completely surrounds the pool.
- The barrier must not be "climb-able" and meet the spacing requirements of FBC R4101.17 through R4101.17.1.7.
- Removable barriers must be permanently attached at one end to the host structure.
- Approved child safety barriers must be 20 inches from water's edge in accessible areas and away from structure that can be used to climb over barrier.
- When used, access gates must be self-closing, self-latching and swing away from pool's edge.
- Gate release mechanism must be located min. 54 inches above grade on the access gate.
- The barrier shall have no opening greater than 1/2 inch within 18 inches of the latching device.

Where the wall of the dwelling is part of the pool barrier, it will meet one of the following:

1. All doors from the house with direct access to pool will be self-closing, self-latching with a positive mechanical latch/locking device a minimum 54 inches above grade. All windows with bottom sills less than 48 inches above floor surface will be alarmed or fixed glass.
2. Windows with bottom sills less than 48 inches above the floor surface and all doors providing direct access for the home to the pool shall be equipped with an exit alarm meeting UL2017 specification with a 85 dB rating at 10 feet and is either hard wired, a plug in type or battery type. The device shall have a maximum 15-second deactivation switch, with the alarm and switch located at a minimum of 54 inches above grade.