

Requirements for Installing and Using Permitted Electrical Service Lake Seminole

All installations must be certified by a licensed electrician as having ground fault interruption (GFI) protection and meeting, or exceeding, the minimum standards of Article 555 of the National Electric Code (NEC) for wet locations, marinas and boatyards. Furthermore, installations must meet additional requirements set by the Corps of Engineers as listed below. The Corps recommends that licensed electricians perform this work.

Installation from Property Line to Shoreline Service Pole:

- shall be underground and follow access path (no overhead wiring)
- shall use only types UF and USE cable
- may have cables either direct-buried or enclosed in approved conduit
- shall be at a minimum burial depth of 24 inches below ground level
- shall be beneath warning tape buried 12 inches below ground level
- may have GFI protection originating on private property only if electrical service is not extended to the dock and/or it does not have receptacles

Service pole:

- shall not be set below elevation 78.5 mean sea level
- shall be a minimum size of four inches in diameter
- shall have a maximum height of 15 feet above ground.
- shall be wooden posts only (utility poles are not acceptable)

Shoreline service panel box:

- shall be near eye level but not less than five feet above the ground
- shall have cable leading from the ground into panel enclosed in conduit and hard-wired

Service from shoreline panel box to boat dock:

- shall have cable from panel box hard-wired into ground-fault circuitry (The ground fault interruption [GFI] breaker shall be in the panel box.)
- shall use only cables approved for wet locations
- shall be hard-wired from GFI circuit and installed underground (In areas where the pool level fluctuates, power to the dock by a locking and grounded receptacle on the shoreline post may be required.)

Dock wiring:

- shall be approved for wet locations and enclosed in conduit
- shall have the end of conduit sealed to prevent moisture from entering
- shall use links of "liquidtight" flexible conduit at movable ramp and dock joints

Sizes:

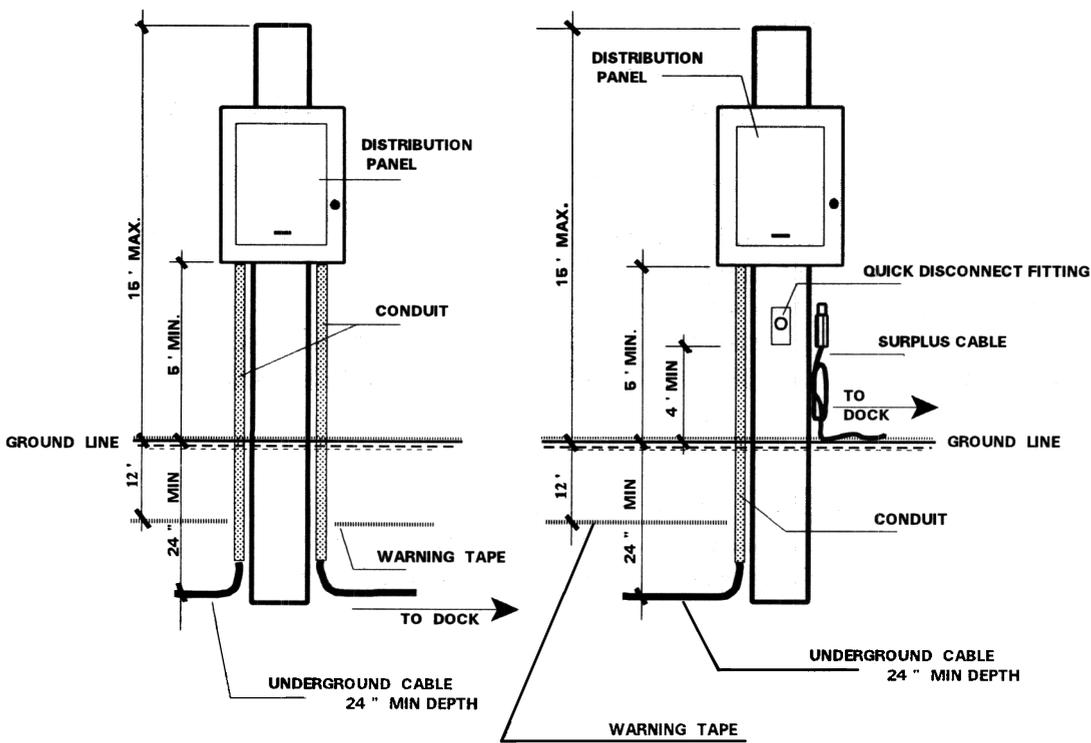
All breakers, cables, cords, and receptacles shall be properly sized to accommodate the service needed

Receptacles:

- All receptacles:
 - shall have ground-fault protection at service pole
 - shall be in weatherproof receptacle boxes with self-closing caps
 - shall be the minimum number necessary to serve the facility
- Receptacles providing shore power for boats:
 - shall have a 20-amperes minimum rating
 - shall be lockable and grounded type
 - shall be grounded
- Convenience outlets:
 - shall be 15 and 20-amperes rated only
 - shall have cords unplugged when unattended or not in use
- Receptacle height:
 - shall be at a minimum of 4 feet above ground on the service post
 - shall be at a minimum of 30 inches above the deck of the boat dock

Lighting:

- shall be only the minimum required for safe access
- shall not have a bulb size for any purpose exceeding 150 Watts
- shall use only fixtures and lights approved for wet locations
- shall not have fixtures and lights mounted to extend beyond the outer perimeter of the boat dock
- shall have all lights aimed downward
- may be "mushroom" type along pathways if there is no exposed wiring



Certification of Compliance with Electrical Code Requirements Lake Seminole

For New Installations and Changes of Ownership (Reassignments) Only *Requires Certification by Licensed Electrician*

On _____, I inspected the electrical installation authorized by Shoreline Use Permit _____
and found that it meets, or exceeds, the standards of the National Electric Code and additional requirements set by the
U.S. Army Corps of Engineers for wet locations.

electrician's signature

date

state license number

electrician's name - printed

(_____)
area code

telephone number

street, p.o. box, etc.

city

state

zip code

A copy of the license will be submitted on a one-time basis to the Resource Management Office, Lake Seminole, effective February 1, 1992. State, county, and municipality licenses are valid only in the jurisdiction of issue.

Electricity must remain off until electrical certification is received.

For Existing Installations with Previous Electrical Certifications (same Owner)

Requires Only the Permittee's Signature

On _____ the electrical installation, or facility, authorized to me by Shoreline Use
Permit _____ was certified by _____ as
meeting the standards of the National Electric Code as well as additional requirements set by the U.S. Army Corps of
Engineers for this type of location. Since the initial certification, I have maintained the system in good condition and
have made no unapproved alterations or additions to the permitted installation or facility.

permittee's signature

date