

Cypress Landing Marina Association

Cypress Landing Marina Guidelines for Access to Electrical Power from Dock Pedestals:

The following recommendations are based on a review of NFPA 303, NFPA 70 (National Electric Code), input from the Beaufort County Fire Marshal, various US Coast Guard, Boat US and other marine safety organization publications.

Proposed New “Rule 13” Wording:

13. *All electrical hookups must comply with the NEC [National Electric Code] and NFPA 303 [Fire Protection Standard for Marinas and Boatyards]. A detailed explanation of the rule is available from the Marina Manager.*

Only code compliant, marine quality 30A or 50A extensions may be used to provide 120/240 VAC power to boats while unattended.

- Cables plugged into the 15/20A GFCI outlets are for temporary use only, must be UL labeled and must be removed when not attended.
- Adapters or “pigtailes” to convert 30A or 50A pedestal outlets for use by standard utility extension cords are not permitted.
- With approval of the Marina Manager, UL listed adapters may be used to convert two 30A circuits to one 50A or vice versa.
- All heaters used during winter months should be marine quality, thermostatically controlled and set no higher than 55° F.
- If A/C devices are left on overnight, they should be set no lower than 80° F.

“Rule 13” Guideline Details for 120/240 VAC Marina Electrical Power Connections

30A and 50A Shore Power Connections:

- Must use a code compliant, un-modified, molded, watertight 30A or 50A twist lock plug and connectors with appropriate sized conductors.
- Must be securely fastened to the boat. (Even the standard screw threaded connectors must have the cable secured to the boat in a way that prevents the plug from falling in the water.)
- Must have appropriate GFCI circuitry at boat termination. All electrical appliances on the boat must be connected through GFCI circuitry.
- With approval from the marina manager, appropriately sized, code compliant adapters may be used to provide one 50A circuit from two 30A pedestal outlets or two 30A circuits from one 50A pedestal outlet on the same pedestal.
- When 30A or 50A electrical cables are not connected to a boat, they must be disconnected from the pedestal and stored off the dock or neatly coiled on or around the pedestal.

15/20A GFCI Temporary Outlets:

- In keeping with the NFPA 303 code requirement, every pedestal mounted 15/20A GFCI outlet should be clearly marked to indicate that:
This is a temporary utility receptacle. It is not to be used to supply power to boats.
- These utility outlets are meant to provide temporary power for repair, monitoring and maintenance equipment on the docks and boats.
- Any extension cord/cable must be UL outdoor approved and labeled for 15/20A and securely fastened to the boat such that the plug is prevented from falling in the water.
- Cables must be unplugged at the pedestal and stored off the dock when unattended and the dock master is not on duty.
- During the holiday period (dates to be posted at the marina) UL labeled, outdoor holiday lights with UL labeled outdoor extension cords may be left plugged in overnight.
- The 15/20A GFCI outlet shall not be used to provide shore power to boats.

For All Electrical connections to the Pedestals:

- Any cut, abraded or modified cable is not permitted.
- No cable may be left in the water, routed under a dock or routed across the A,B,C,D or E dock thoroughfares. (Cables may, with appropriate regard for tripping safety, be routed across individual finger piers as needed)
- Adapters or “pigtailed” that allow 120VAC appliances or extension cords to receive power from 30A and 50A twist lock circuits *without GFCI circuits* are never permitted on the dock pedestals.
- When disconnecting a cable from the dock pedestal
 1. Turn off appliances on the boat.
 2. Turn off shore power breakers on the boat.
 3. Turn off the breaker on the pedestal.
 4. Disconnect the cable from the pedestal.
 5. Disconnect the cable from the boat receptacle.
 - Reverse the process when connecting to the pedestal.