

# Goose Creek Lake Dock Wiring Inspection Sheet

Property Owner Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Property Address \_\_\_\_\_ Inspector: \_\_\_\_\_

(Attach inspector qualifications  
per NEC guidelines)

Owner ID \_\_\_\_\_ Plat-Lot \_\_\_\_\_ Property Owner Signature \_\_\_\_\_ Date \_\_\_\_\_

Is there electrical service at or near the waters' edge, including boat docks?  Yes  No If no, sign above, return to Subdivision Office within 15 days.

- a. All wiring methods and conductors shall be suitable for wet locations;
- b. All wiring shall meet the current NEC and Article 554, Residential Docks
- c. All dock feeds at or beyond Emergency disconnect switch must be GFCI protected.
- d. No temporary electrical service is allowed, including extension cords, batteries, solar or generators.

\*\*This checklist was compiled using the 2014 NEC as a guideline. \*\*  
 This is not a complete copy of the code requirements "Refer to the latest addition of the NEC for current installation requirements"

Yes	No	
		1. Feeder from the man panel (closest to the power source/meter) to any sub panel supplying electrical power to a dock shall be 4 wire for 240 volt system or 3 wire for 120 volt systems and sized for the load. Only a single feeder to dock is allowed.
		2. All wiring must be copper, in conduit with appropriate connectors and sized for conductors. Conduit that is buried from the power source (building, house, etc.) to the dock sub panel shall be schedule 40 PVC for underground use.
		3. All conduit at pivot points is liquid tight flexible non-metallic conduit with appropriate connectors.
		4. The overcurrent device (s) or disconnecting means designed to disconnect all electrical power supplying the docking facility is onshore and within 6 feet of the dock ramp, is 42 inches above ground, measured at the bottom of the equipment, has a GFCI Class A Breaker, rated to match conductors and a disconnecting device.
		5. Grounding bus and neutral bus are separate and neutral conductor is white, in color.
		6. Disconnect is accessible at all times for emergency shut-off and must be clearly marked.
		7. Ground rod is in place and at least 8 feet long. Grounding conductor (minimum #6) is attached to the rod.
		8. All grounding conductors shall be copper and be #6 stranded bare wire or #6 stranded insulated wire with green color. All exposed grounding conductors on dock shall be insulated and have continuous outer finish that is green, including bonding wires.
		9. The grounding conductor wire(#6) is attached with a separate clamp to the shoreline grounding rod for metal docks.
		10. The grounding wire(#6) is attached to the metal parts of the ramp with approved terminals. Must be attached with through bolts and lock nuts.
		11. A bonding jumper wire is installed between all pivot points; stranded #6 wire conductors with green sunlight resistant type insulation is used.
		12. All metal parts, metal piping and non-current carrying metal parts are properly grounded.
		13. All general use receptacle outlets shall be GFCI protected and work when tested.
		14. All fixtures below 8' or exposed to weather are in waterproof enclosures and suitable for wet locations.
		15. All fixtures above 8' and below the roof or overhang are suitable for damp locations.
		16. All general use receptacle outlets shall be installed in weatherproof enclosures with "In Use Type" weatherproof attachment plug covers.
		17. All general use switches shall be installed in weatherproof enclosures with weatherproof switch covers.
		18. Receptacle outlets, switches, junction boxes, lighting and fixtures are not within 6 feet of a dock ladder.
		19. Metal ladder on a metal dock has #6 wire jumpers to dock frame. If not permanently attached to dock, has means to bond to dock frame.
		20. 911 address is posted on dock and is clearly visible from cove or main channel.
		21. Resistance to ground of shoreline ground rod is 25 ohms or less.

Inspection Completed: \_\_\_\_\_  
 Date: \_\_\_\_\_ Follow-up Action Required: \_\_\_\_\_  
 By: \_\_\_\_\_  
 Status: \_\_\_\_\_