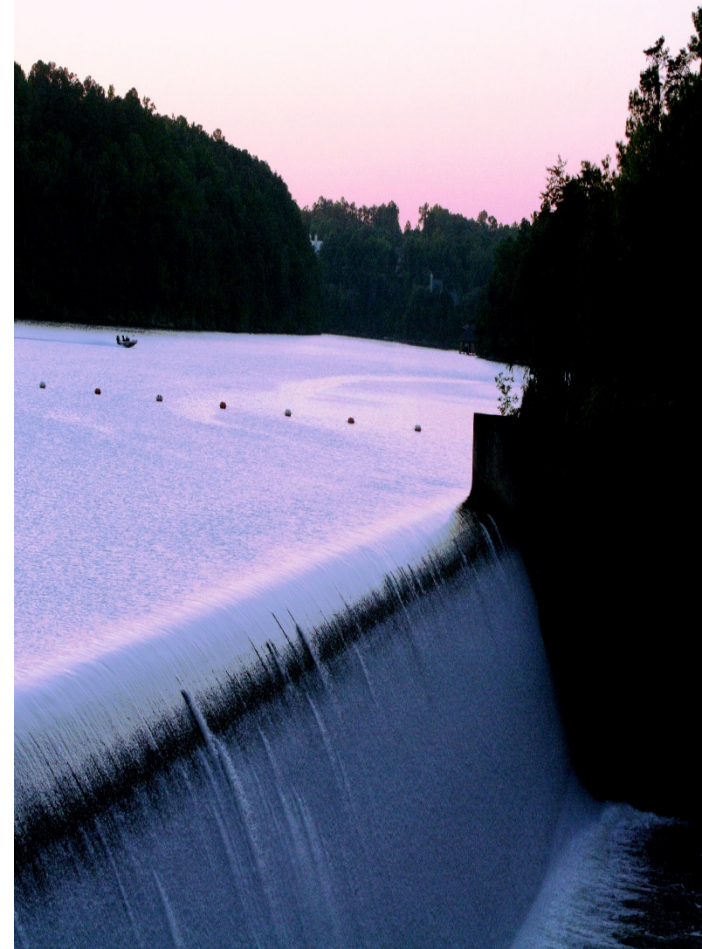




Lake Tuscaloosa Code Amendments

Code Revisions

- New Standards for Lake Tuscaloosa
 - Adopted unanimously by Council Dec. 12, 2017
- Fee Changes
 - Structure.....\$100
 - Dredging.....\$100
 - Seawall.....\$50
 - Electrical.....\$50
 - Clearing.....\$50
- Combined Permit
 - Excluding dredging, all permits.....\$200
- Re-Inspection Fee
 - If you're not ready or didn't address prior noted violations.....\$25



Code Revisions


- Annual User Fee
 - Increased to.....\$50
 - Late fee.....\$50
- Inspections
 - Notice shall be given a minimum of 1 business day (24 hours) prior to an inspection
 - Rough-In Inspections are required, work enclosed prior to inspection will not be passed
- Pumps
 - Initial Fee.....\$250
 - Annual Additional Fee.....\$50
 - No submersible pumps allowed
 - No pump lower than 229' in elevation MSL
 - No metal pump/piping components shall be permitted in the water
 - Wired on the pier-side of the disconnecting means



Electrical Requirements

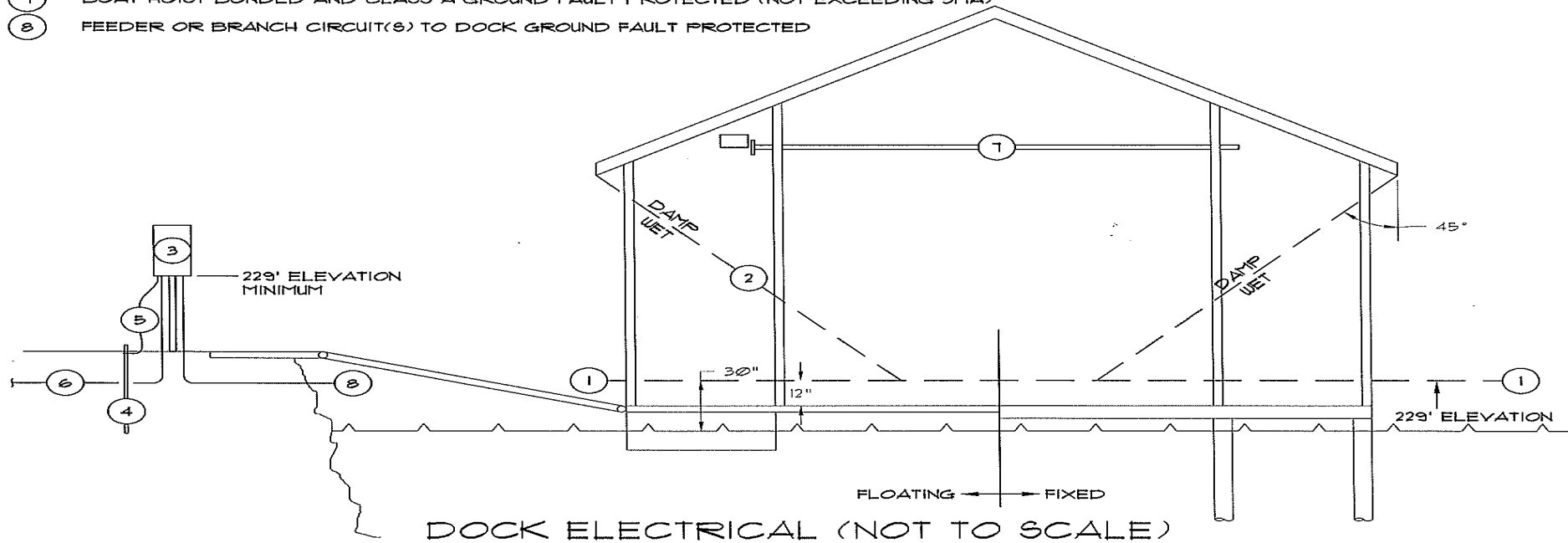
- “Prior to the issuance or renewal of an annual structure user permit for 2018, every structure, permitted in this division, which has electrical service must be inspected for compliance with Sec. 18-87(c)(10), and an **inspection report** completed on a form established by the director. Said inspection must be performed by a State of Alabama Licensed Electrical Contractor or Professional Electrical Engineer licensed to do business in the City of Tuscaloosa”
- Effective January 1st, 2020 once every four years every structure with electrical service shall be inspected as described above.

Inspection Report

				City of Tuscaloosa	
		City of TUSCALOOSA INFRASTRUCTURE & PUBLIC SERVICES		Dock Electrical Inspection Check List	
Owner:			Date:		
Address:					
Tag #:					
TYPE:	Stationary	Floating	Other:		
STRUCTURE:	Metal	Wood	Other:		
UTILIZATION EQUIPMENT:		Lights	Receptacle	Hoist	
		Appliances	Pump	Other:	
SUPPLY:	120V	120/240V			
Y	N	Feeder or branch circuit to dock disconnecting means contains equipment grounding conductor			NEC 250.32(B)(1)
Y	N	Dock disconnecting means			COT, NEC 555.7
	Y	N	Within 10' of ramp		COT
	Y	N	Overcurrent device(s) ground fault protected \leq 30mA		NEC 555.3
	Y	N	\geq 24" above high pool (227')		COT
	Y	N	Within sight and readily accessible		COT
	Y	N	NEMA 3R or 4 rated		
	Y	N	Pad lockable		COT, NEC 110.3
	Y	N	Grounded conductor (neutral) is isolated from equipment grounding conductor		NEC 250.32(B)(1)
GROUNDING:					
Y	N	Grounding Electrode System at service equipment			COT, NEC 250.32
Y	N	\geq #6 AWG grounding electrode conductor			COT
Y	N	\geq #12 insulated green equipment grounding conductor with all circuits			NEC 555.15(B)
Y	N	Metallic ladder			
	Y	N	Permanent		
		Y	N	Bonded	
	Y	N	Portable		
		Y	N	Bondable	
Y	N	All non-current carrying metal components likely to become energized are bonded to equipment ground with minimum #6 copper AWG green insulated copper conductor			NEC 250.4(A)(4), COT
Y	N	Bonding Jumper #6 AWG stranded or equivalent installed at pivot points of floating dock			COT
Y	N	All metal parts in contact with water are bonded to equipment ground			COT
Y	N	Bonding connections are mechanically sound			250.8(A)
Y	N	All metal enclosures and metal parts of the electrical system are bonded			555.15(A)(1)
Y	N	Metal dock frame bonded to equipment ground			COT

Electrical Datum Plane

- 1 THE ELECTRICAL DATUM PLANE WHICH IS A HORIZONTAL BENCHMARK DEFINED AS THE GREATER OF 30" ABV WATER LEVEL, OR 12" ABV DECK FOR FLOATING DOCKS AND 229' ELEVATION FOR FIXED DOCKS, NO ELECTRICAL CONNECTIONS, SPLICES OR UTILIZATION EQUIPMENT TO OCCUR BELOW THIS PLANE
- 2 DELINEATION OF WET AND DAMP AREAS FOR THE PURPOSE OF LUMINAIRE SELECTION AND DEVICE COVER SELECTION, ALL WIRING METHODS MUST BE FOR WET LOCATION
- 3 DISCONNECTING MEANS FOR DOCK TO BE LOCATED ON SHORE WITHIN 10' OF RAMP, MINIMUM ELEVATION OF 229', PAD LOCKABLE AND READILY ACCESSIBLE, THE OVER-CURRENT DEVICE(S) SUPPLYING THE DOCK SHALL HAVE GROUND FAULT PROTECTION NOT EXCEEDING 30 mA
- 4 GROUNDING ELECTRODE SYSTEM
- 5 BONDING ELECTRODE CONDUCTOR TO EQUIPMENT GROUND, #6 AWG MINIMUM
- 6 EQUIPMENT GROUND CONDUCTOR INSTALLED WITH SUPPLY TO DOCK DISCONNECTING MEANS
- 7 BOAT HOIST BONDED AND CLASS A GROUND FAULT PROTECTED (NOT EXCEEDING 5MA)
- 8 FEEDER OR BRANCH CIRCUIT(S) TO DOCK GROUND FAULT PROTECTED



Electrical Datum Plane



Other notable changes

- All docks with electrical moving forward will require a plan to be submitted certified by a licensed electrical contractor or a professional engineer as meeting the requirements of the NEC and this the City code.
- No permit shall be issued if more than 1 volt of current is detected in the water when tested from the pier until remedial measures approved by the director have been completed.
- It shall be unlawful for any person to use or occupy, or allow to be used or occupied any pier or structure without a valid structure user permit.
- Any licensed electrical contractor or professional electrical engineer making an inspection pursuant to this article must notify the director of any hazardous conditions discovered.

Questions?



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