



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

November 16, 2021

Richard Mendelson
1124 Highland Beach Dr Apt 1
Highland Beach, FL 33487
Sent via e-mail: rmendelson@bellsouth.net

Re: File No.: 50-411283-001-EE
File Name: Bel Lido Prop Owners Assn Inc

Dear Mr. Mendelson:

On October 18, 2021, we received your request for verification of exemption to perform the following activities: Replace an existing 400 sq. ft. dock in the same location and same configuration and dimensions as the existing dock. The project is located in a residential canal connected to the Intracoastal Waterway, Class III Waters, adjacent to 1124 Highland Beach Dr Apt 1, Highland Beach (Section 4, Township 47 South, Range 43 East), in Palm Beach County (Latitude N 26°24'5.34", Longitude W -80°3'58.34").

Your request has been reviewed to determine whether it qualifies for (1) regulatory exemption, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal approval that may be necessary for work in wetlands or waters of the United States.

Your project did not qualify for the federal authorization of this verification request. **Additional authorization must be obtained prior to commencement of the proposed activity.** This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity. Please refer to the specific section(s) dealing with that portion of the review below for advice on how to proceed.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

If you have any questions regarding this matter, please contact Lucy Brandenburg at the letterhead address or at 561-681-6652, Lucy.Brandenburg@FloridaDEP.gov.

1. Regulatory Review – VERIFIED

Based on the information submitted, the Department has verified that the activity as proposed is exempt under Chapter 62-330.051(5)(d) Florida Administrative Code from the need to obtain a regulatory permit under Part IV of Chapter 373 of the Florida Statutes.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification may not be valid if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. In the event you need to re-verify the exempt status for the activity, a new request and verification fee will be required. Any substantial modifications to the project design should be submitted to the Department for review, as changes may result in a permit being required.

2. Proprietary Review - NOT REQUIRED

The activity does not require further authorization under chapter 253 of the Florida Statutes, or chapters 18-20 or 18-21 of the Florida Administrative Code.

3. Federal Review - NOT APPROVED

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook: (<https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>).

Authority for review - an agreement with the USACOE entitled “Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit,” Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this letter. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S., and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the

administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and

120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Jeffrey Meyer
Environmental Administrator
Southeast District

Enclosures:

Attachment A: Specific Exemption Rule(s)
Project drawings, 4 pages

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

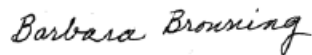
FDEP – Jeffrey Meyer, Lucy Brandenburg
USACE, nmfs.ser.statewideprogrammatic@noaa.gov
USACE, spgp@usace.army.mil

Additional mailings:

Matt Mitchell, Palm Beach County, Environmental Resources, mmitchell@pbcgov.org

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

November 16, 2021
Date

Attachment A

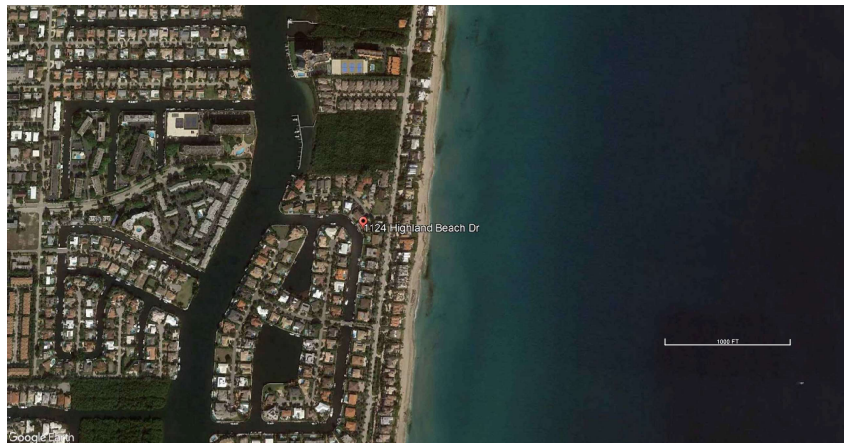
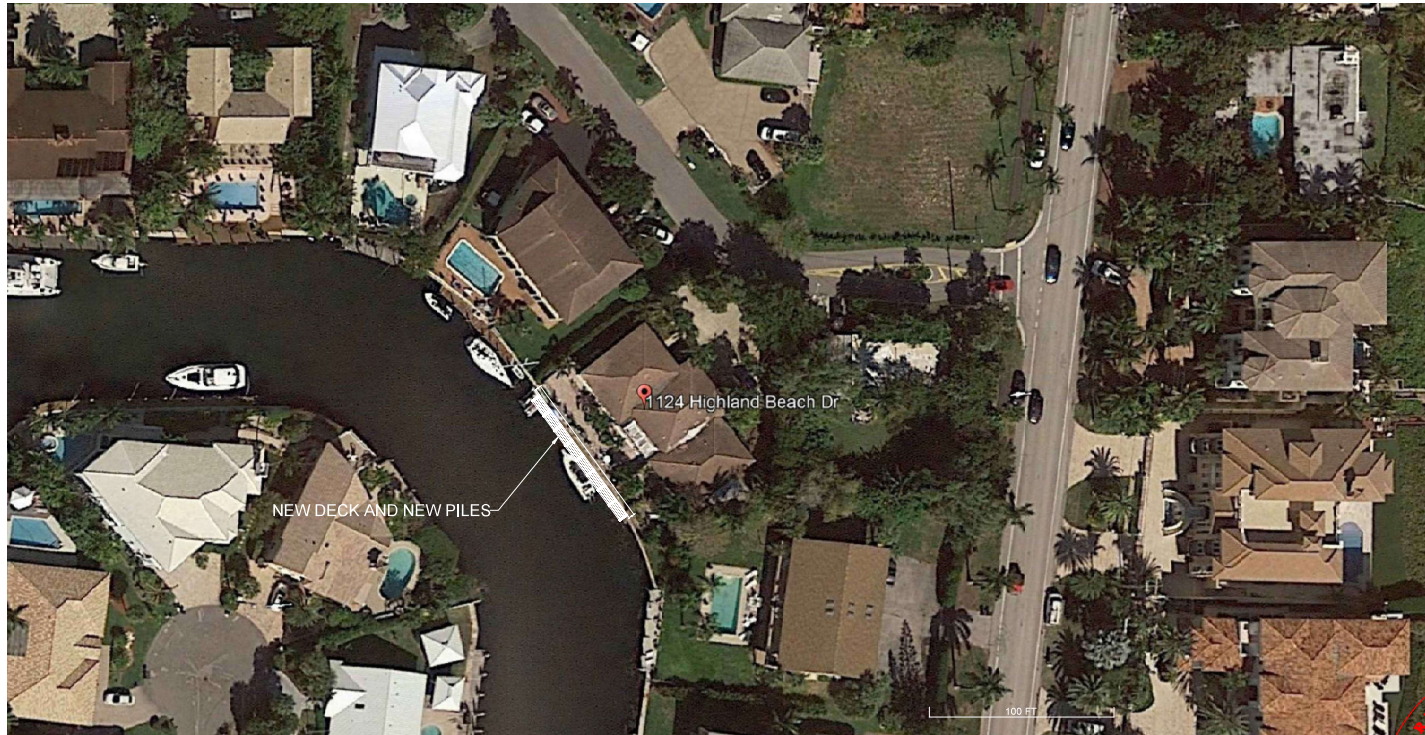
62-330.051 Exempt Activities.


The activities meeting the limitations and restrictions below are exempt from permitting. However, if located in, on, or over state-owned submerged lands, they are subject to a separate authorization under chapters 253 and 258, F.S., as applicable.

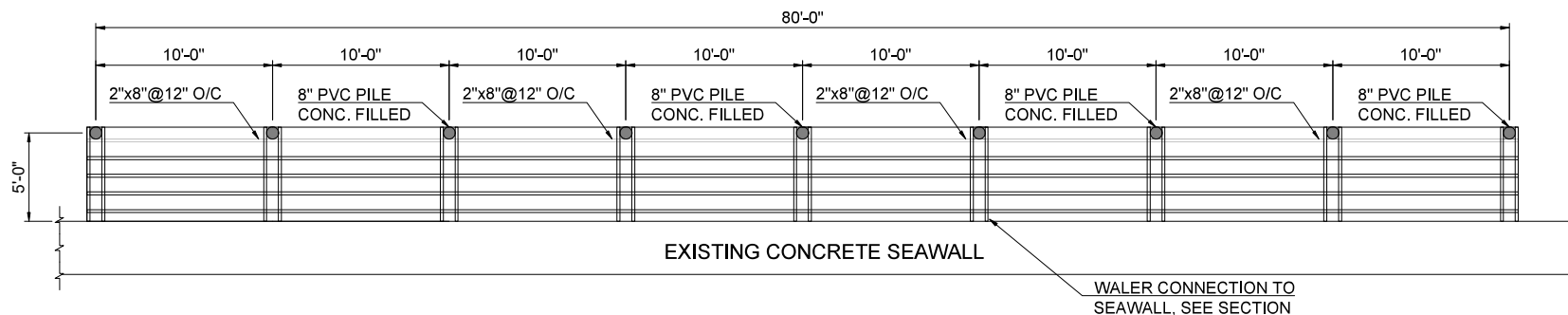
(5) Dock, Pier, Boat Ramp and Other Boating-related Work –

(d) Replacement or repair of existing docks and piers, including mooring piles, in accordance with section 403.813(1)(d), F.S., provided the existing structure is still functional or has been rendered non-functional within the last year by a discrete event, such as a storm, flood, accident, or fire.

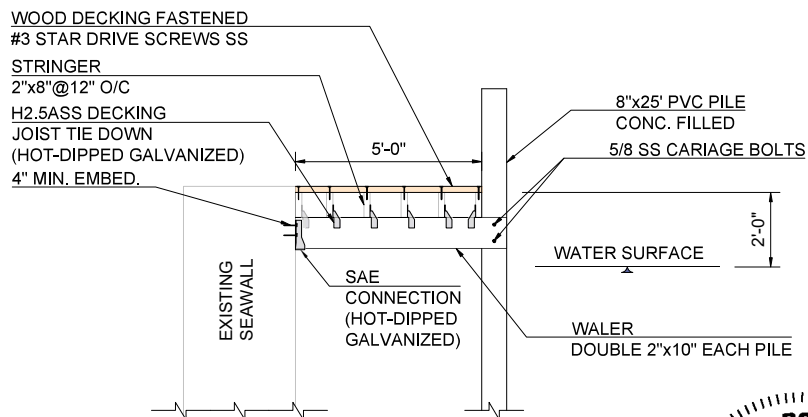
Rulemaking Authority 373.026(7), 373.043, 373.4131, 373.4145, 403.805(1) FS. Law Implemented 373.406, 373.4131, 373.4145, 373.415, 403.813(1) FS. History–New 10-1-13, Amended 6-1-18



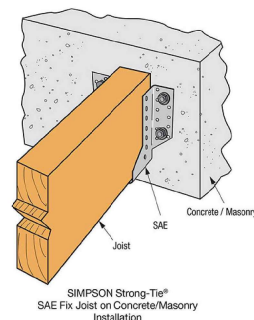
 <p>This item has been electronically signed and sealed by Neal A. Rogers, Jr. on the date adjacent to the seal using a SHA authentication code.</p> <p>Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.</p> <p>AMERICAN MARINE ENGINEERING INC. 20423 STATE ROAD 7 SUITE F6-346 BOCA RATON, FLORIDA 33498 USA PH: 561-448-5755</p>		PROJECT: 1124 Highland Beach Highland Beach, FLORIDA 33487	
		DRAWN: M.S.	CLIENT: Igor Chigirinsky
		CHECKED: M.S.	SCALE: DATE: February 16, 2021
		APPROVED:	DRAWING NUMBER: HBFL-01
		SHEET: 1	OF: 4



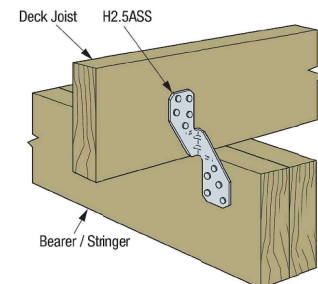
DECK PLAN
SCALE: 1:80



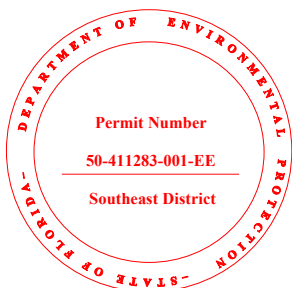
DECK CROSS SECTION
SCALE: 1:40



JOIST TO CONCRETE TYPICAL CONNECTION
SCALE: NTS



STRINGER TO WALER CONNECTION DETAIL
SCALE: NTS



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AMERICAN MARINE ENGINEERING
20423 STATE ROAD 7
SUITE F6-346
BOCA RATON, FLORIDA 33498 USA
PH: 561-448-5755

PROJECT: 1124 Highland Beach Highland Beach, FLORIDA 33487			
DRAWN: M.S.		CLIENT: Igor Chigirinsky	
CHECKED: M.S.	SCALE: AS SHOWN		DATE: February 16, 2021
	DRAWING NUMBER: HBFL-02		
APPROVED:	SHEET: 2		OF: 4

1 DESIGN DATA

- 1.1 CODE: 2020 FLORIDA BUILDING CODE, BUILDING, 7TH EDITION
- 1.2 BUILDING CLASSIFICATION UTILITY AND MISCELLANEOUS GROUP U
 - 1.2.1 DEAD LOAD 4.0 PSF
 - 1.2.2 LIVE LOAD 100 PSF
 - 1.2.3 WIND LOAD - NOT EVALUATED- STRUCTURE NOT VULNERABLE TO EXCESSIVE WIND LOADS

2 GENERAL PROVISIONS

- 2.1 LICENSED CONTRACTOR IS RESPONSIBLE TO OBTAIN AND CONSPICUOUSLY POST ANY AND ALL LOCAL, STATE AND FEDERAL PERMITS THAT MAY BE REQUIRED. LICENSED CONTRACTOR SHALL VERIFY ALL REQUIRED PERMITS ARE OBTAINED AND CONSPICUOUSLY POSTED.
- 2.2 THESE PLANS DO NOT AUTHORIZE CONTRACTOR TO TRESPASS, DAMAGE OR OTHERWISE ALTER ADJACENT PUBLIC OR PRIVATE PROPERTY, EXCEPT THAT AUTHORIZED BY WRITTEN PERMISSION FROM THE OWNER.
- 2.3 ALL MATERIALS ARE TO BE PROVIDED AS TO TYPE, SIZE, MATERIAL AND MANUFACTURER AS SPECIFIED ON THESE DRAWINGS. CONTRACTOR MAY NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- 2.4 THESE PLANS DO NOT AUTHORIZE AND DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE OF FLORIDA EXCEPT THOSE DISCHARGES AUTHORIZED BY LOCAL OR STATE PERMIT.
- 2.5 LICENSED CONTRACTOR MAY NOT STORE OR TRANSFER ANY HAZARDOUS MATERIALS ON SITE.
- 2.6 UPON COMPLETION OF PILING INSTALLATION, CONTRACTOR SHALL PROVIDE A WRITTEN REPORT INCLUDING A DIAGRAM OF THE FINAL PILE LAYOUT AND THE NUMBER OF BLOWS AND DEPTH OF PILING AT REFUSAL FOR EACH PILE. CONTRACTORS REPORT AND DIAGRAM SHALL SHOW THE DEVIATION FROM PLUMB FOR EACH PILING.
- 2.7 LICENSED CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK, ANY CONFLICTS OR OMISSIONS BETWEEN EXISTING CONDITIONS OR THE VARIOUS ELEMENTS OF THE WORKING DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORK. THE LICENSED CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS.
- 2.8 ALL UNANTICIPATED OR UNFORESEEN DEMOLITION AND/OR NEW CONSTRUCTION CONDITIONS WHICH REQUIRE DEVIATION FROM THE PLANS AND NOTES HEREIN SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- 2.9 LICENSED CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK
- 2.10 THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
- 2.11 THESE DRAWINGS ARE BASED ON THE HYDROGRAPHIC AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS
- 2.12 JOBSITE IS TO BE KEPT CLEAN AT ALL TIMES.
- 2.13 THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REQUIREMENTS AS WELL AS APPLICABLE DISTRICT SPECIAL PROVISIONS REGARDING ENDANGERED SPECIES.
- 2.14 ALL WORK PERFORMED, AS WELL AS, CONSTRUCTION MATERIALS AND TESTING SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, REGULATIONS AND ORDINANCES.
- 2.15 DOCK SHALL NOT BE USED UNTIL FINAL INSPECTION AND APPROVAL IS OBTAINED.
- 2.16 JOBSITE TO BE LEFT IN BROOM CLEAN CONDITIONS.
- 2.17 ALL EXPOSED HAZARDS TO BE PROPERLY PROTECTED AT ALL TIMES TO MEET OSHA STANDARDS.

3 PILES

- 3.1 PILES SHALL BE FIBERGLASS (FRP) OR WOOD PILES MARINE GRADE OR AS STATED ON DRAWINGS.
- 3.2 PROVIDE PILES OF SUCH LENGTH AS REQUIRED TO DEVELOP THE SPECIFIED BEARING VALUE, TO OBTAIN THE SPECIFIED PENETRATION, AND TO EXTEND ABOVE THE TOP OF DECK AS INDICATED
- 3.3 JETTING TO FACILITATE PILE PENETRATION SHALL NOT BE USED UNLESS SPECIFICALLY PERMITTED BY THE ENGINEER OF RECORD
- 3.4 PREDRILLED HOLES. WHEN NECESSARY TO ACHIEVE THE REQUIRED PENETRATION, DRILL HOLES OF DIAMETER NOT GREATER THAN 90 PERCENT OF THE AVERAGE CROSS-SECTIONAL DIMENSION OF THE PILE AT THE DEPTH BEING DRILLED AND DRIVE THE PILE THEREIN TO PRACTICAL REFUSAL.
- 3.5 PENETRATION PER BLOW MAY BE MEASURED EITHER DURING INITIAL DRIVING OR DURING RE-DRIVING FOLLOWING A SET PERIOD OF TIME AS DETERMINED BY THE ENGINEER OF RECORD.
- 3.6 PRACTICAL REFUSAL: PRACTICAL REFUSAL WILL BE EITHER A CONDITION WHERE THE BLOW COUNT EXCEEDS TWO TIMES THE NUMBER OF BLOWS REQUIRED IN 1 FOOT OR 40 BLOWS PER FOOT FOR TIMBER PILES.
- 3.7 PILES MUST BE INSTALLED TO ACHIEVE THE MINIMUM LATERAL RESISTANCE. IN ACCORDANCE WITH FLORIDA BUILDING CODE 1810.2.1 LATERAL SUPPORT, PILES TO BE INSTALLED A MINIMUM OF 5 FEET INTO STIFF SOIL OR 10 FEET INTO SOFT SOIL UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL ON THE BASIS OF A GEOTECHNICAL INVESTIGATION BY A REGISTERED DESIGN PROFESSIONAL. PILES WHICH HAVE REACHED PRACTICAL REFUSAL BUT HAVE NOT BEEN INSTALLED TO ACHIEVE THE MINIMUM LATERAL STABILITY SHALL BE REMOVED, AND THE PILE PREDRILLED TO ACHIEVE THE MINIMUM LATERAL RESISTANCE EMBEDMENT.
- 3.8 PER GENERAL REQUIREMENT 2.6, UPON COMPLETION OF PILING INSTALLATION CONTRACTOR SHALL SUBMIT TO ENGINEER A DIMENSIONED DIAGRAM OF THE FINAL PILING LAYOUT, WITH BLOWS TO REFUSAL AND DEVIATION FROM PLUMB.
- 3.9 THE MAXIMUM DRIVING STRESS, PSI FOR TIMBER PILES SHALL NOT EXCEED 3FCO, WHERE FCO IS THE BASE RESISTANCE OF WOOD IN COMPRESSION PARALLEL TO THE GRAIN, IN PSI.
- 3.10 DO NOT DRIVE PILES WITHIN 20 FEET OF CONCRETE LESS THAN 2 DAYS OLD, SINCE MOST CONCRETE IS CLOSE TO 50% STRENGTH AFTER 2 DAYS.
- 3.11 PROVIDE ADEQUATE LATERAL SUPPORT FOR INSTALLED INDIVIDUAL PILES TO PREVENT EXCESSIVE TEMPORARY FLEXURAL STRESSES OR MOVEMENT OF THE PILE TOP OUT OF TOLERANCE.
- 3.12 INSTALLATION TOLERANCES.
 - 3.12.1 DEVIATION FROM PLUMB AND ANGLE OF BATTER: 2 INCH PER FOOT OF PILE LENGTH, BUT NOT MORE THAN 6 INCHES OVERALL.
 - 3.12.2 DEVIATION FROM LOCATION OF PILE TOP: 2 INCHES.
- 3.13 WHEN THE AREA OF THE HEAD OF A TIMBER PILE IS GREATER THAN THAT OF THE FACE OF THE HAMMER, USE A SUITABLE CAP TO DISTRIBUTE THE BLOWS THROUGHOUT THE CROSS SECTION OF THE PILE.
- 3.14 AFTER TIMBER PILES ARE CUT OFF, TREAT CUT SURFACES IN ACCORDANCE WITH AWP4 M4.

4 DECKING REQUIREMENTS

- 4.1 ALL DECKING MATERIAL SHALL BE COMPOSED OF DIMENSION LUMBER (2" NOMINAL THICKNESS) OR COMPOSITE DECKING. COMPOSITE DECKING TO CONSIST OF RECYCLED LINEAR LOW-DENSITY POLYETHYLENE (LLDPE) AND RECYCLED WOOD.
- 4.2 DECKING TO BE ATTACHED TO EACH STRINGER OR DOUBLE STRINGER LOCATION WITH #3 SS SCREWS, OR PROPRIETARY CONCEALED FASTENING SYSTEM, SUCH AS TREX UNIVERSAL HIDEAWAY HIDDEN FASTENERS, OR ENGINEER APPROVED SUBSTITUTION, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, SAE CONNECTORS SHALL BE HOT-DIPPED GALVANIZED.
- 4.3 DECKING MATERIAL TO BE SPACED APPROXIMATELY 1/8" APART. RECOMMENDED SPACING FOR TREATED 2X6.

WIDTH AT INSTALLATION	SPACING (MIN - MAX)
5 1/2" (WET OR DRY)	1/8"- 1/4"
5 5/8" (WET)	1/16"-1/8"
5 3/4" (WET)	BUTT BOARDS TOGETHER
OVER 5 3/4" (WET)	ALLOW DRYING TIME PRIOR TO INSTALLATION
- 4.4 EACH SEGMENT OF DECKING MUST BEAR ON A MINIMUM OF 3 STRINGERS (OR 3 SUPPORTS).

5 WOOD MATERIALS


- 5.1 LUMBER GRADE.
 - 5.1.1 WOOD DECK: MARINE GRADE NO. 1.
 - 5.1.2 ALL OTHERS: MARINE GRADE NO. 1 OR NO. 2
- 5.2 LUMBER SPECIES: SOUTHERN YELLOW PINE (SYP) OR APPROVED ALTERNATIVE.
- 5.3 LUMBER (INCLUDING TIMBER PILES) IS TO BE PRESERVATIVE TREATED IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) STANDARD U1.
- 5.4 END USE CATEGORY: AWP4 UCSC (MARINE USE SOUTHERN WATERS).
- 5.5 LUMBER THAT IS CUT, DRILLED, PLANED, OR OTHERWISE ALTERED AFTER TREATMENT IS TO BE TREATED IN FIELD IN COMPLIANCE WITH AWP4 STANDARD M4 (CARE OF PRESSURE TREATED WOOD PRODUCTS) TO ALTERED SURFACES. INSPECT EACH PIECE OF LUMBER AFTER DRYING AND DISCARD DAMAGED OR DEFECTIVE PIECES
- 5.6 ROUND TIMBER POLES AND PILES SHALL COMPLY WITH ASTM D3200 AND ASTM D25, RESPECTIVELY
- 5.7 STRINGER SPLICES MUST OCCUR AT PILE LOCATIONS ONLY. AS FAR AS PRACTICAL, STRINGER SPLICES TO BE ALTERNATED SO THAT TWO ADJACENT SPLICES DO NOT OCCUR AT SAME PILE LOCATION. STRINGER SPLICES AT PILE LOCATIONS TO BE WITH 24" MINIMUM LENGTH SCAB OF SAME MATERIAL AS STRINGER, WITH A MINIMUM OF 4 -- 1/4" DIA. LAG SCREWS EACH SIDE OF SPLICE WITH 2" EDGE AND END DISTANCE.



This item has been electronically signed and sealed by Neal A. Rogers, Jr., P.E. on the date adjacent to the seal using a SHA authentication code.

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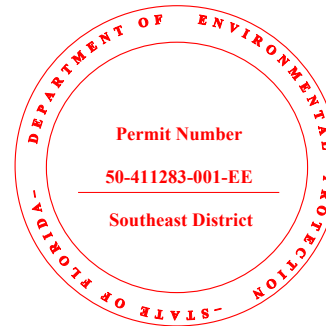
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		SHEET: 3	OF: 4

6 FASTENERS

- 6.1 UNLESS NOTED OTHERWISE FASTENERS AND CONNECTORS SHALL BE OF STAINLESS STEEL CONSTRUCTION COMPLYING WITH ASTM A316.
- 6.2 FASTENERS AND CONNECTORS SHALL BE OF THE SAME CORROSION--RESISTANT MATERIAL
- 6.3 SELECT FASTENERS OF SIZE THAT WILL NOT FULLY PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS.
- 6.4 MAKE TIGHT CONNECTIONS BETWEEN MEMBER.
- 6.5 ANCHOR ADHESIVE SHALL BE A HIGH PERFORMANCE, TWO COMPONENT ADHESIVE ANCHORING SYSTEM, SUCH AS SIKA®ANCHORFIX--1, OR ENGINEER APPROVED SUBSTITUTION, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 6.6 LAG SCREWS AND BOLTS TO MEET REQUIREMENTS OF ANSI/ASME STANDARD B18.2.1
- 6.7 INSTALL FASTENERS WITHOUT SPLITTING WOOD; PREDRILL AS REQUIRED.
- 6.8 LEAD HOLES FOR LAG SCREWS SHALL BE BORED AS FOLLOWS TO AVOID SPLITTING OF THE WOOD MEMBER DURING CONNECTION FABRICATION:
- (A) THE CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK,
- (B) THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60% TO 75% AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. THE LARGER PERCENTILE IN EACH RANGE SHALL APPLY TO LAG SCREWS OF GREATER DIAMETERS.
- 6.9 THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH NOT BY DRIVING WITH A HAMMER.
- 6.10 SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLES TO FACILITATE INSERTION AND TO PREVENT DAMAGE TO THE LAG SCREW.
- 6.11 THE MINIMUM LENGTH OF LAG SCREW PENETRATION, PM NOT INCLUDING THE LENGTH OF THE TAPERED TIP, E, OF THE LAG SCREW INTO THE MAIN MEMBER OF SINGLE SHEAR CONNECTIONS AND THE SIDE MEMBERS OF DOUBLE SHEAR CONNECTIONS SHALL BE 4D.
- 6.12 LAG BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER HOLES SHALL BE ACCURATELY ALIGNED IN MAIN MEMBERS AND SIDE MEMBERS. BOLTS SHALL NOT BE FORCIBLY DRIVEN.
- 6.13 A STANDARD CUT WASHER SHALL BE PROVIDED BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT.
- 6.14 1/4" DIAMETER TAPCONS REQUIRE 1 1/2" MINIMUM EDGE DISTANCE AND 1 1/2" MINIMUM EMBEDMENT INTO 4000 PSI CONCRETE MINIMUM.
- 6.15 3/8" DIAMETER WEDGE ANCHORS REQUIRE 1 3/4" MINIMUM EDGE DISTANCE AND 1 1/2" MINIMUM EMBEDMENT INTO 4000 PSI CONCRETE MINIMUM.


Neal A.
Rogers Jr

Digitally signed by
Neal A. Rogers Jr
Date: 2021.03.23
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		DRAWN: M.S.	CLIENT: Igor Chigirinsky	
		CHECKED: M.S.	SCALE: AS SHOWN	DATE: February 16, 2021
		DRAWING NUMBER: HBFL-04		
APPROVED:		SHEET: 4	OF: 4	