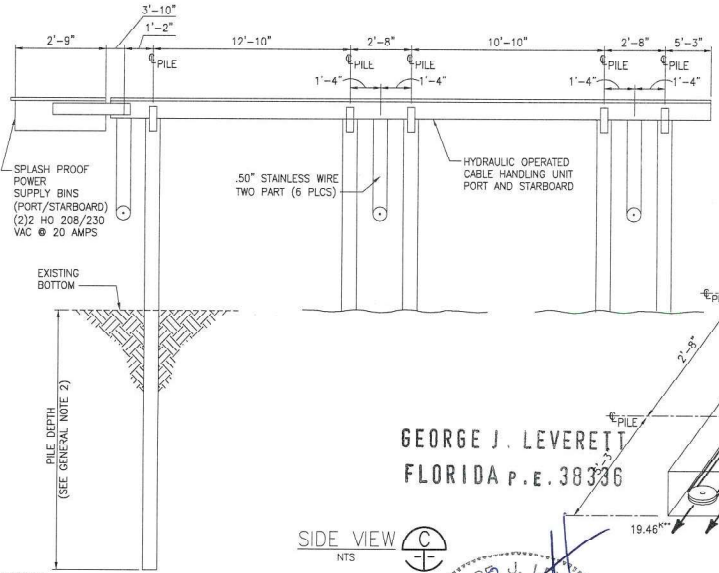
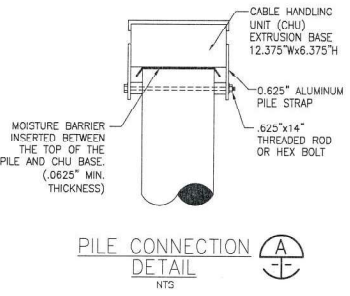
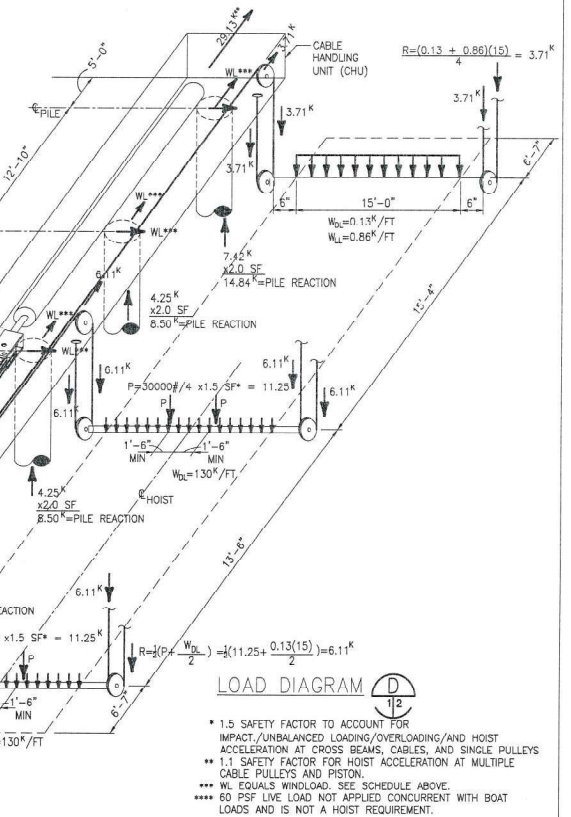


MPH	EXPOSURE (2)	WIND PRESSURE	PILE REACTIONS (5)	
			PERPENDICULAR TO CHU (3)	PARALLEL TO CHU (4)
180	C	52.1 PSF	2803#	1041#
180	D	63.0 PSF	3145#	1229#
170	C	48.4 PSF	2322#	929#
170	D	49.7 PSF	2808#	1123#
160	C	41.1 PSF	2057#	823#
160	D	58.2 PSF	2487#	935#
150	C	36.2 PSF	1808#	723#
150	D	43.7 PSF	2186#	874#
140	C	31.4 PSF	1575#	630#
140	D	38.1 PSF	1904#	782#
130	C	27.2 PSF	1388#	543#
130	D	32.8 PSF	1674#	687#
120	C	23.1 PSF	1157#	483#
120	D	28.0 PSF	1389#	580#

WIND LOADS
NTS

- NOTES:
1. THE ALUMINUM BOAT HOIST STRUCTURE HAS BEEN DESIGNED FOR 180 MPH, RISK CATEGORY II EXPOSURE D.
 2. EXPOSURE C APPLIES TO WATER EXPOSURE FOR AN UPWIND DISTANCE BETWEEN 1,500 AND 5,000 FEET. EXPOSURE D APPLIES TO WATER EXPOSURE FOR AN UPWIND DISTANCE OF 5,000 FEET OR GREATER.
 3. WIND SPEED APPLIED TO 400 SQUARE FOOT SURFACE AREA AND DISTRIBUTED TO 8 PILES SUPPORTING THE BOAT CRADLE.
 4. WIND PRESSURE APPLIED TO 200 SQUARE FOOT SURFACE AREA AND DISTRIBUTED TO 10 PILES.
 5. PERPENDICULAR & PARALLEL PILE REACTIONS ARE NOT APPLIED SIMULTANEOUSLY.



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FLORIDA P.E. 38336

SIDE VIEW
NTS

- GENERAL NOTES:**
1. ALL HARDWARE TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
 2. PILE MATERIAL, DIAMETER, AND DEPTH TO BE DETERMINED BY GEOTECHNICAL ENGINEER RETAINED BY THE GENERAL CONTRACTOR BASED ON LOCAL SOIL CONDITIONS.
 3. IF WOOD PILING IS USED, IT SHALL BE TREATED WITH 2.5% CCA. IF STEEL PILING IS USED, A CATHODIC ISOLATION BARRIER SHALL BE PROVIDED BETWEEN THE STEEL PILE AND THE ALUMINUM CHU.
 4. APPROVED CONTRACTOR SHALL DETERMINE SUITABILITY OF THE EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS.
 5. APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCES AND PROCEDURES.
 6. LIFT DESIGNED PER FLORIDA BUILDING CODE 6TH EDITION (2017).
 - a) DECK LIVE LOAD = 60 PSF.
 - b) WIND LOAD—THE ALUMINUM BOAT HOIST STRUCTURE HAS BEEN DESIGNED PER ASCE 7-10 SOLID SIGN CRITERIA FOR 180 MPH, RISK CATEGORY II EXPOSURE D.
 - c) SEE TABLE FOR PILE REACTIONS FOR LATERAL WIND LOADS OF VARYING SPEEDS AND EXPOSURE CLASSIFICATIONS.
 - d) HOIST LIVE LOAD = 30,000 POUNDS



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STRUCTURAL ENGINEERING, LLC
3606 RIVER HALL DRIVE JACKSONVILLE FL, 32217
CERTIFICATE OF AUTHORIZATION No 28761
(904) 923-5407

NO PROFILE BOAT LIFT	30,000 LB PLATFORM
SCALE: AS NOTED	APPROVED BY:
DATE: 01/01/18	DRAWN BY: APN
OWNER:	REVISION:
GEORGE J. LEVERETT, P.E. FL. PE# 38336	ADDRESS:
	WIND 300PSF, PG09

- 1.5 SAFETY FACTOR TO ACCOUNT FOR IMPACT/UNBALANCED LOADING/OVERLOADING/AND HOIST ACCELERATION AT CROSS BEAMS, CABLES, AND SINGLE PULLEYS
- 1.1 SAFETY FACTOR FOR HOIST ACCELERATION AT MULTIPLE CABLE PULLEYS AND PISTON.
- WL EQUALS WINDLOAD. SEE SCHEDULE ABOVE.
- 60 PSF LIVE LOAD NOT APPLIED CONCURRENT WITH BOAT LOADS AND IS NOT A HOIST REQUIREMENT.