

**GENERAL NOTES:**

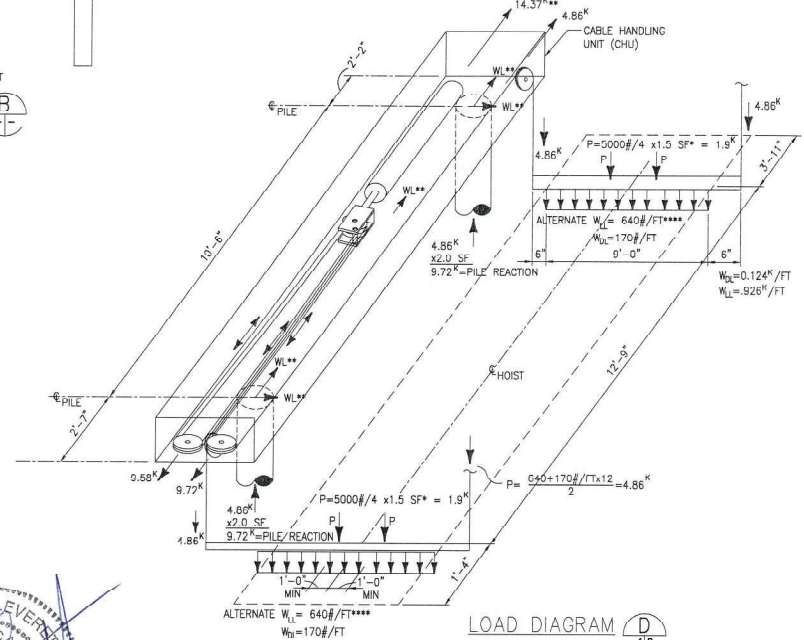
- ALL HARDWARE TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
- PILE MATERIAL, DIAMETER, AND DEPTH TO BE DETERMINED BY GEOTECHNICAL ENGINEER RETAINED BY THE GENERAL CONTRACTOR BASED ON LOCAL SOIL CONDITIONS.
- IF WOOD PILING IS USED, IT SHALL BE TREATED WITH 2.5lb CCA. IF STEEL PILING IS USED, A CATHODIC ISOLATION BARRIER SHALL BE PROVIDED BETWEEN THE STEEL PILE AND THE ALUMINUM CHU. APPROVED CONTRACTOR SHALL DETERMINE SUITABILITY OF THE EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS.
- APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCES AND PROCEDURES.
- LIFT DESIGNED PER FLORIDA BUILDING CODE 6TH EDITION (2017).
  - DECK LIVE LOAD = 60 PSF
  - 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.
  - SEE TABLE FOR PILE REACTIONS FOR LATERAL WIND LOADS OF VARYING SPEEDS AND EXPOSURE CLASSIFICATIONS.
  - HOIST LIVE LOAD = 5,000 POUNDS

MPH	EXPOSURE (2)	WIND PRESSURE	PILE REACTIONS (5)	
			PERPENDICULAR TO CHU (3)	PARALLEL TO CHU (4)
180	C	52.1 PSF	1953#	976#
180	D	63.0 PSF	2361#	1180#
170	C	46.4 PSF	1742#	871#
170	D	49.7 PSF	2106#	1053#
160	C	41.1 PSF	1543#	771#
160	D	46.2 PSF	1864#	933#
150	C	36.2 PSF	1356#	678#
150	D	43.7 PSF	1639#	820#
140	C	31.5 PSF	1181#	581#
140	D	38.1 PSF	1428#	714#
130	C	27.2 PSF	1018#	509#
130	D	32.8 PSF	1231#	616#
120	C	23.1 PSF	868#	434#
120	D	28.0 PSF	1049#	525#

**WIND LOADS**  
NTS

**NOTES:**

- THE ALUMINUM BOAT HOIST STRUCTURE HAS BEEN DESIGNED FOR 180 MPH, RISK CATEGORY II EXPOSURE D.
- 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.
- WIND SPEED APPLIED TO 300 SQUARE FOOT SURFACE AREA AND DISTRIBUTED TO 4 PILES SUPPORTING THE BOAT CRADLE.
- WIND PRESSURE APPLIED TO 150 SQUARE FOOT SURFACE AREA AND DISTRIBUTED TO 4 PILES.
- PERPENDICULAR & PARALLEL PILE REACTIONS ARE NOT APPLIED SIMULTANEOUSLY.



GEORGE J. LEVERETT  
REGISTERED ENGINEER  
FLORIDA  
No. 38336  
STATE OF FLORIDA  
CERTIFICATE OF AUTHORIZATION No. 28761  
FL. PE # 38336

GEORGE J. LEVERETT PE  
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NO PROFILE BOAT LIFT  
SCALE: AS NOTED  
DATE: 01/01/18  
OWNER:  
GEORGE J. LEVERETT, P.E.  
FL. PE # 38336

5,000 lb 9x18 PLATFORM  
DRAWN BY: APN  
REVIEWED:  
WIND SKPL PERM