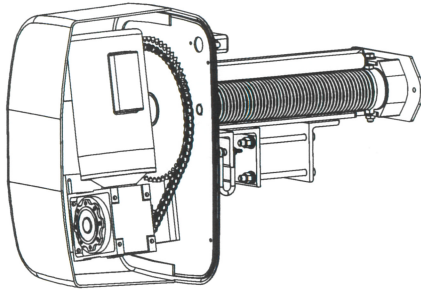
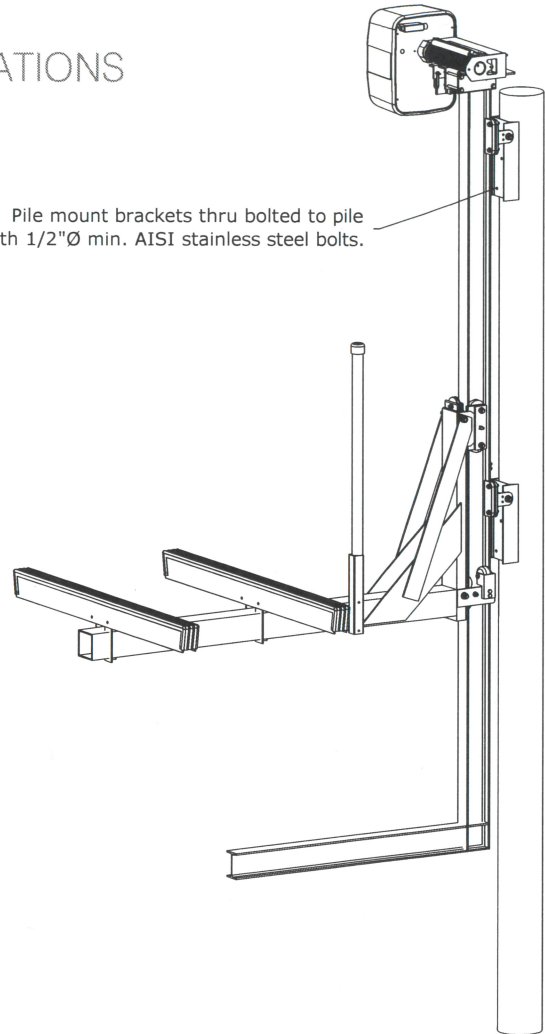


IMM Quality Boat Lifts

PWC 3000 SPECIFICATIONS



Pile mount brackets thru bolted to pile with 1/2"Ø min. AISI stainless steel bolts.



STRUCTURAL ENGINEERING REVIEW

THIS CONSTRUCTION HAS BEEN DESIGNED AS A MAIN WIND FORCE RESISTING SYSTEM, WITH CALCULATED GRAVITY AND WIND LOADS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, 6th EDITION, 2017, CHAPTERS 16 AND 20, ALUMINUM DESIGN MANUAL (ADM 2015), AND ASCESEI 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 170 MPH, EXPOSURE "D", RISK CATEGORY I. J.L. SANDERS, P.E. HAS NO CONTROL OF THE MANUFACTURING, PERFORMANCE, OR INSTALLATION OF THIS PRODUCT. THESE GENERIC DESIGN FEATURES WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES BASED ON DATA PROVIDED BY THE MANUFACTURER. THIS STRUCTURAL REVIEW IS LIMITED TO THE PRIMARY FRAMING AND CONNECTIONS AND IS NOT INTENDED TO COVER MECHANICAL AND ELECTRICAL COMPONENTS. THESE DESIGN FEATURES ARE BASED ON STRUCTURAL CALCULATIONS, TITLED "STRUCTURAL CALCULATIONS FOR ELEVATOR", WHICH CONTAIN ADDITIONAL DESIGN REQUIREMENTS AND CRITERIA AND ARE AVAILABLE UPON REQUEST. THE BOAT LIFTS DEPICTED BY THESE DESIGNS AND RELATED CALCULATIONS WERE ENGINEERED AS MANUFACTURED PRODUCT FOR NON-SITE SPECIFIC USE AND SHALL MEET THE DESIGN REQUIREMENTS AND INSTALLATION LIMITATIONS LISTED IN THE STRUCTURAL CALCULATIONS.

J.L. Sanders
J. L. SANDERS, P.E. Date: 3-5-19
Reg. Florida No. 66361

J.L. SANDERS, P.E.
2515 Gracie Road, NW
Monroe, GA 30656
Phone: 239-671-1578

SIGNATURE NOT VALID WITHOUT RAISED SEAL

IMM BOAT LIFTS, INC. IS NOT RESPONSIBLE FOR THE DOCK STRUCTURE OR ITS ABILITY RESIST THE APPLIED LOADS OF THE BOAT LIFT.

THE SITE SHOULD BE VERIFIED BY A LICENSED MARINE CONTRACTOR.

APPLIED LOADS WILL BE PROVIDED UPON REQUEST.

LIFT CAPACITY lbs.	CRADLE TUBE 6061-T6	STD. TRACK I-BEAM 6061-T6	PILE SIZE min.	GROOVED CABLE WINDER SIZE	STD. TRAVEL	CABLES	DRIVE SHAFT SIZE inches	GUIDE POST HEIGHT	BOAT BUNKS WOOD OPTION	BOAT BUNKS ALUM. OPTION	DRIVE SHAFT SPROCKET	GEAR DRIVE SPROCKET	GEAR RATIO	STANDARD SPEED		HIGH SPEED	
														MOTOR	LIFT SPEED in/min	MOTOR	LIFT SPEED in/min
3,000	6"x6"x.25"	6 x .21 H 4 x .35 W 15'	10"Ø	3" Sch 80 Pipe	12'	5/16 SSAC 7x19 304 2P 34'	Tube 2.875 O.D. 8 Gauge	7	2 x 8 x 72"	72"	#50A60	#50B11	60:1	3/4H.P-115V/11A 230V/5.5A	30	1-1/2 H.P 230V/11A	60

Notes:

- Structure designed for loads associated with an ultimate wind speed of 170 MPH, exposure "D", risk category 1, calculated for Florida Building Code, 6th Edition, 2017, ASCE 7-10 and ADM-2015.
- Boats shall not be stored on lifts during high wind events.
- All primary structural members to be 6061-T6 aluminum.
- Tracks are to be driven to firm bearing material.
- Wood piles shall comply with ASTM D25 and be southern pine, 2.5 cca marine grade pressure treated.
- Lateral support for piles and attachment to piles shall be engineered by others for site specific conditions.



DWG: 600055 Pub. 3-5-19

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