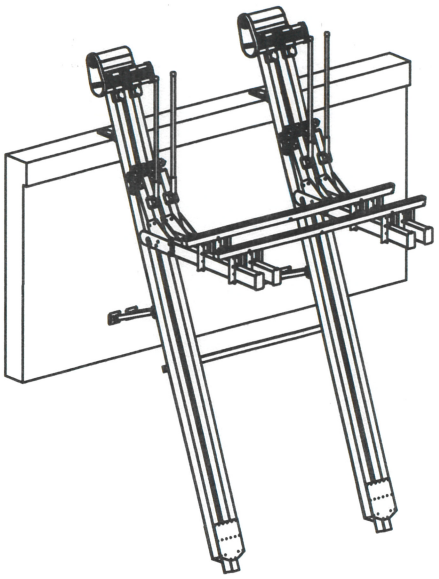
IMM QUALITY BOAT LIFTS - ELEVATOR SPECIFICATIONS

25,000# - 40,000# Superlift



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 ASCE/SEI 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 180 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 - IN PARTICULAR THE TRACK BEAMS SHALL BE ADEQUATELY BRACED AT NO MORE THAN 5 FT. O.C..

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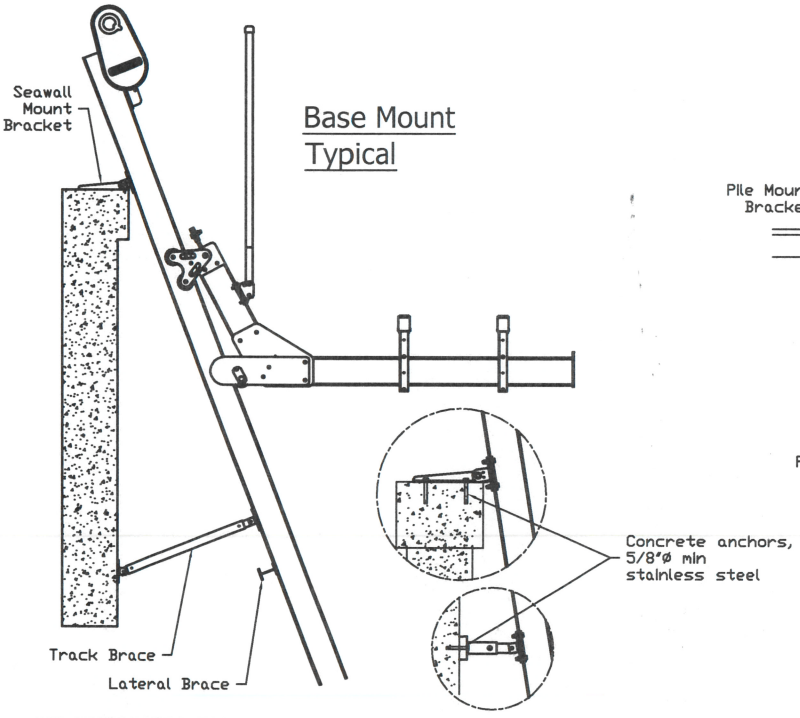
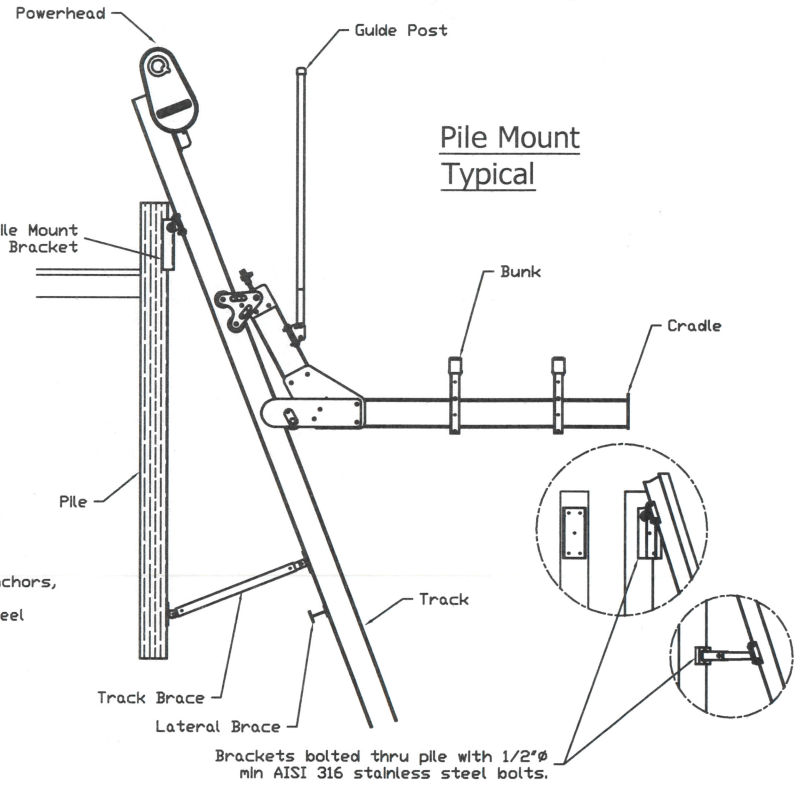
Monroe, GA 30656
Phone: 239-671-1578

J L Sanders 2-25-20

J. L. SANDERS, P.E. Date:
Reg. Florida No. 66361

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.

Notes:
1. Structure designed for loads associated with an ultimate wind speed of 180 MPH, exposure "D", risk category 1, calculated for Florida Building Code 2017, ASCE 7-10 and ADM-2015.
2. Boats shall not be stored on lifts during high wind events.
3. All primary structural members to be 6061-T6 aluminum.
4. Tracks are to be driven to firm bearing material.
5. Wood piles shall comply with ASTM D25 and be southern pine, 2.5 cca marine grade pressure treated.
6. Lateral support for piles and attachment to piles shall be engineered by others for site specific conditions.

LIFT CAPACITY	CRADLE I-BEAM	TRACK I-BEAM	TRACK ANGLE OPTIONS	CABLE STD TRAVEL	TRACK SPREAD STD.	MAX BEAM BOAT	GUIDE POST HEIGHT	BUNK LENGTH	DRIVE SHAFT	WINDER DIA	SPROCKET	CYCLO RATIO	MOTOR HP/VOLTAGE	BRAKE TORQUE	SPEED in/min	STD TRAVEL
25,000#	10 H x.50 6 W x .29	10 H x.50 6 W x .29 25'	0, 23	3/8 SSAC 6x36 304 Dual 3-PART 124'	132"	132"	120"	16' Aluminum	2.875" O.D. 8 Gauge	4" SCH 80 Pipe	#80 Chain 30/10 t	87:1	(2) 1-1/2 HP 230V 22A	6 FT-LB	32	14'
30,000#	10 H x.50 6 W x .29	10 H x.50 6 W x .29 25'	0, 23								#80 Chain 36/10 t					
40,000#	12 H x.62 7 W x .31	12 H x.62 7 W x .31 25'	0, 23	3/8 SSAC 6x36 304 Dual 4-PART160'		168"									24	