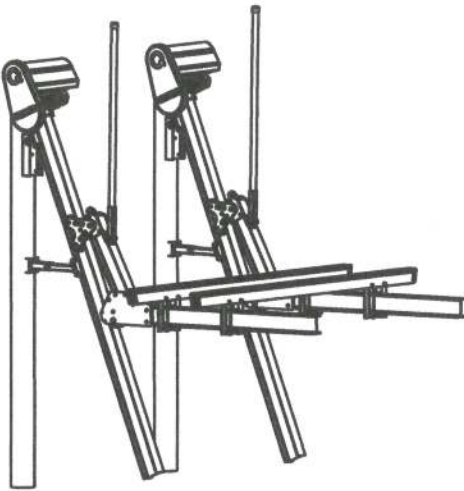


# IMM QUALITY BOAT LIFTS - ELEVATOR SPECIFICATIONS

## 4,500# - 20,000# 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 2014, SECTIONS 16 & 20, ADM 2010, ASCE/SEI 7-10, AND "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". ARNOLD/SANDERS CONSULTING ENGINEERS HAS NO CONTROL OF THE MANUFACTURING, PERFORMANCE, OR INSTALLATION OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND DATA PROVIDED BY THE MANUFACTURER.

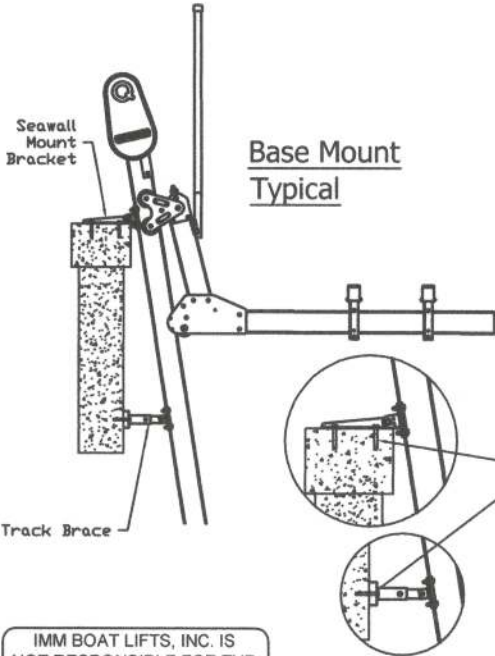
*J.L. Sanders*  
10-28-16

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239-267-3666

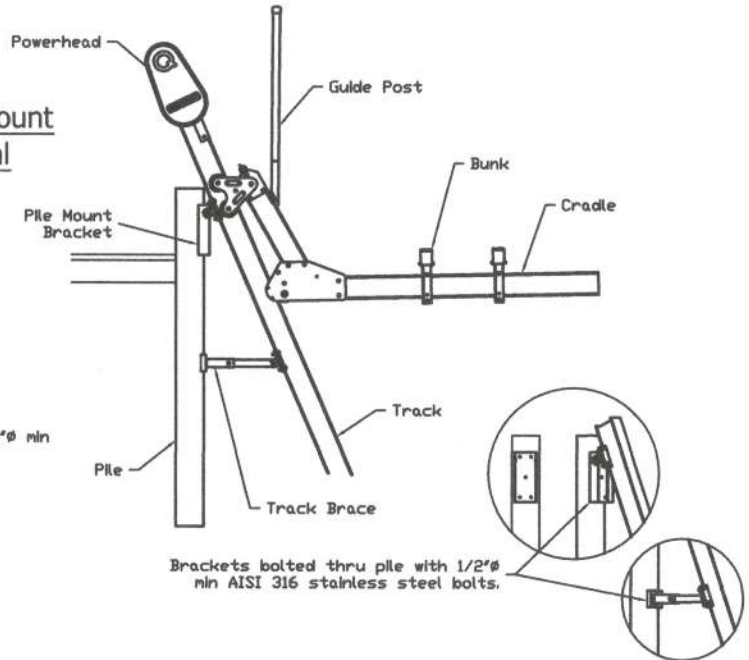
J.L. SANDERS  
Reg. Florida No.66361

Date:

SIGNATURE NOT VALID WITHOUT RAISED SEAL



### Pile Mount Typical



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:

- Structure designed for loads associated with an ultimate wind speed of 180 MPH, exposure "D", risk category 1, calculated for Florida Building Code 2014, ASCE 7-10 and ADM-2010.
- 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.

LIFT CAPACITY	CRADLE I-BEAM	TRACK I-BEAM	TRACK ANGLE OPTIONS	CABLE STD TRAVEL	TRACK SPREAD	GUIDE POST HEIGHT	BUNK LENGTH	DRIVE SHAFT	WINDER DIA	SPROCKET	CYCLE RATIO	MOTOR HP/VOLTAGE	BRAKE TORQUE	SPEED in/min	STD TRAVEL
4,500#	6 H x .21 4 W x .35	6 H x .21 4 W x .35 x 25'	0, 10, 23	5/16 SSAC 7x19 304 2-PART 46'	108'	80'	12' Aluminum	2.875" O.D. 8 Gauge	5" SCH 80 Pipe	#60 Chain 43/22 t	87:1	(2) 1 HP 230V 17A	6 FT-LB	91	18'
8,000#	8 H x .23 5 W x .35	8 H x .23 5 W x .35 25'	0, 10, 23	3/8 SSAC 6x36 304 2-PART 46'						#80 Chain 30/12 t				71	
10,000#	8 H x .25 5 W x .41	8 H x .25 5 W x .41 25'	0, 10, 23	3/8 SSAC 6x36 304 2-PART 46'						#80 Chain 30/10 t				59	
13,500#	10 H x .41 6 W x .25	10 H x .41 6 W x .25 25'	0, 23	3/8 SSAC 6x36 304 3-PART 62'	120'	16' Aluminum			#80 Chain 30/12 t		(2) 1-1/2 HP 230V 22A		47	16'	
16,000#	10 H x .50 6 W x .29	10 H x .50 6 W x .29 25'	0, 23	3/8 SSAC 6x36 304 4-PART 80'					#80 Chain 30/10 t				39		
20,000#	12 H x .62 7 W x .31	12 H x .62 7 W x .31 25'	0, 23	3/8 SSAC 6x36 304 4-PART 80'	132'								29		

DWG: 600109 Pub October 28, 2016