

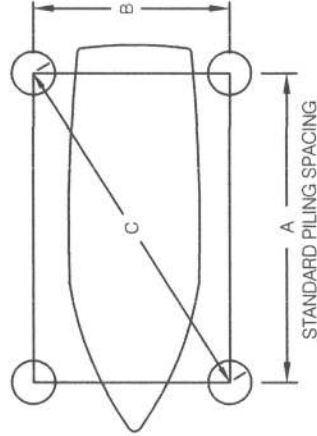
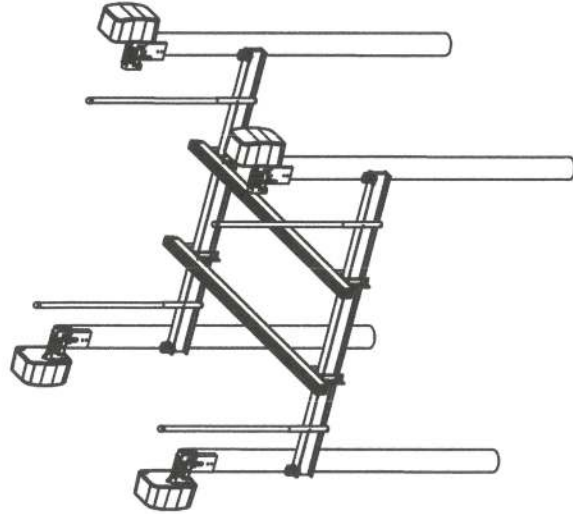
IMM Quality Boat Lifts

4 POST BOAT LIFTS WITH 2 CRADLE BEAMS AND 4 CABLES

BEAMLESS BOAT LIFT SPECIFICATIONS

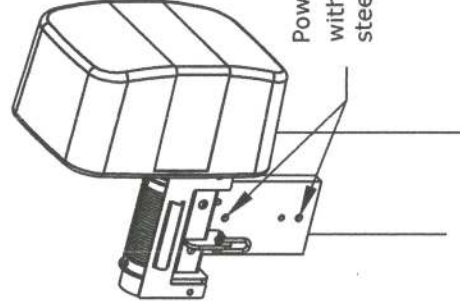
ALL SPACING TO CENTER OF PILING

LIFT CAPACITY	A	B	C	RECOMMENDED Min. PILE SIZE
7,000 LB	120"	144"	188"	10" DIA.
10,000 LB	120"	150"	192"	10" DIA.
13,000 LB	120"	150"	192"	10" DIA.
16,000 LB	120"	168"	206"	10" DIA.
20,000 LB	144"	192"	240"	10" DIA.
24,000 LB	144"	192"	240"	10" DIA.



LIFT CAPACITY lbs.	CRADLE SIZE (BEAM) 606 H-16	GROOVED CABLE WINDER SIZE inches	DRIVE SHAFT SIZE inches	GEAR RATIO	NO. OF MOTORS & H.P.	CABLES	TRAVEL	LIFT SPEED in/min	GUIDE POST HEIGHT	BOAT BUNGS WOOD OPTION ALUM. OPTION
7,000	6 x 190 H 4 x 290 W 144 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 3/4 H.P.-115/44A 230V/22A	5/16 SSAC 7x19 304, 1P 25	22'	66	7	2 x 8 x 144
10,000	8 x 230 H 5 x 350 W 150 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 3/4 H.P.-115/44A 230V/22A	5/16 SSAC 7x19 304, 2P 38	11'	33	7	2 x 8 x 144
13,000	8 x 230 H 5 x 350 W 150 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 1 H.P. 230V/26A	5/16 SSAC 7x19 304, 2P 38	11'	33	7	2 x 8 x 144
16,000	10 x 250 H 6 x 410 W 168 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 1 H.P. 230V/26A	5/16 SSAC 7x19 304, 2P 38	11'	33	10	3 x 10 x 168
20,000	12 x 290 H 7 x 470 W 192 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 1 H.P. 230V/26A	5/16 SSAC 7x19 304, 3P 60	10'	22	10	3 x 10 x 192
24,000	12 x 290 H 7 x 470 W 192 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 1-1/2 H.P. 230V/26A	5/16 SSAC 7x19 304, 3P 60	10'	22	10	3 x 10 x 192

Powerheads to be thru-bolted with 5/8"Ø minimum stainless steel 316 AISI bolts



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.

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 2010, SECTION 1609, ADM. 2002, AND ASSESS 7-10. MINIMUM DESIGN WIND LOADS FOR BUILDINGS AND OTHER STRUCTURES TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 150 MPH, EXPOSURE "D", RESISTANCE CATEGORY II, AND 100 MPH WIND SPEEDS FOR EXPOSURE "D" ARE USED FOR DESIGN. THIS STRUCTURE IS TO BE CONSIDERED AS A MAIN WIND FORCE RESISTING SYSTEM. THE DESIGN IS 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. THE BOAT LIFTS DETICED BY THESE DESIGN FEATURES AND RELATED CALCULATIONS WERE ENGINEERED AS MANUFACTURED PRODUCT FOR NON-SITE SPECIFIC USE AND NOT INTENDED TO COVER. SITE SPECIFIC CONDITIONS, SITE SPECIFIC DESIGN SHALL BE PERFORMED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER AS REQUIRED TO VERIFY THE DESIGN REQUIREMENTS AND LIMITATIONS LISTED IN THE STRUCTURAL CALCULATIONS ARE MET.

J. L. Sanders
3-13-15

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J. L. SANDERS, P.E.
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Date:

SIGNATURE NOT VALID WITHOUT RAISED SEAL

