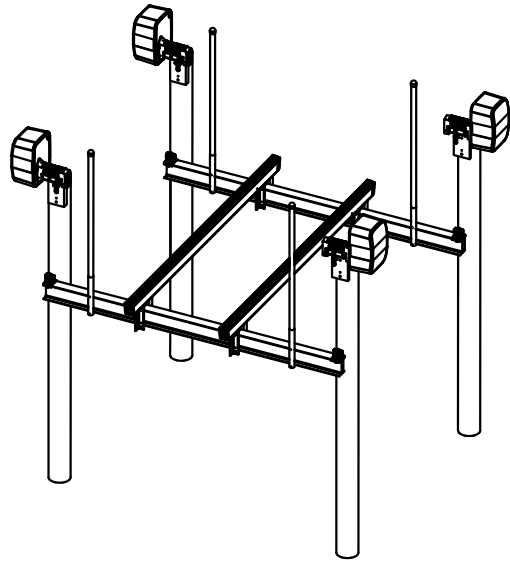


IMM Quality Boat Lifts

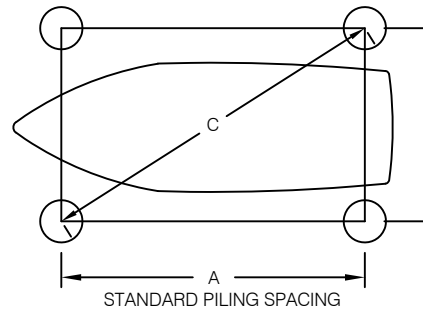
BEAMLESS BOAT LIFT SPECIFICATIONS

4 POST BOAT LIFTS WITH 2 CRADLE BEAMS AND 4 CABLES

ALL SPACING TO CENTER OF PILING



LIFT CAPACITY	A	B	C	RECOMMENDED Min. PILE SIZE
7,000 LB	120"	144"	187"	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.
28,000 LB	144"	192"	240"	12" DIA.



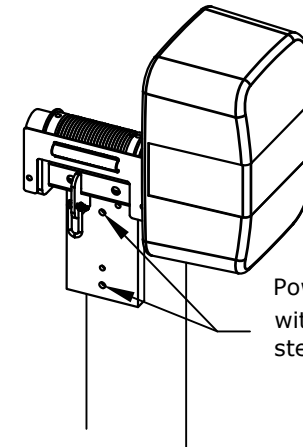
LIFT CAPACITY lbs.	CRADLE SIZE I-BEAM 6061-T6	GROOVED CABLE WINDER SIZE inches	DRIVE SHAFT SIZE inches	GEAR RATIO	NO. OF MOTORS # H.P.	CABLES	TRAVEL	LIFT SPEED in/min	GUIDE POST HEIGHT	BOAT BUNKS WOOD OPTION	BOAT BUNKS ALUM. OPTION
7,000	6 x .190 H 4 x .290 W 144 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	(4) 3/4 H.P.-115V/44A 230V/22A	5/16 SSAC 7x19 304, 1P 25'	22'	66	7	2 x 8 x 144	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.-115V/44A 230V/22A	5/16 SSAC 7x19 304, 2P 38'	11'	33	7	2 x 8 x 144	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	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	192
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	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	192
28,000	12 x .290 H 7 x .470 W 192 L	4.5" O.D.	2.875" O.D. 8 gauge	450:1	(4) 1-1/2 H.P. 230V/26A	3/8 SSAC 6x36 304, 3P 60'	10'	18	10	3 x 10 x 192	192

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, 8th EDITION, 2023, CHAPTER 16, ADM 2020, AND ASCE/SEI 7-22 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 140 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 COMPONENTS. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J.L. SANDERS, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

J.L. SANDERS, P.E.
2391 CHECK PULLIAM RD
ROYSTON, GA 30662
PHONE 239-671-1576

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



Powerheads to be thru-bolted with $\frac{5}{8}$ " $\varnothing$ 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.

