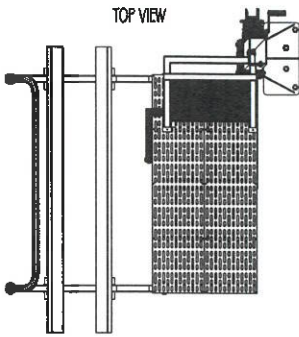


IMM Quality Boat Lifts

LARGE MODEL KAYAK LAUNCH SPECIFICATIONS



STRUCTURAL ENGINEERING REVIEW

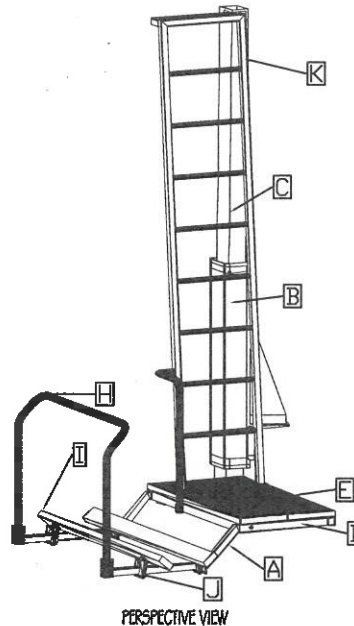
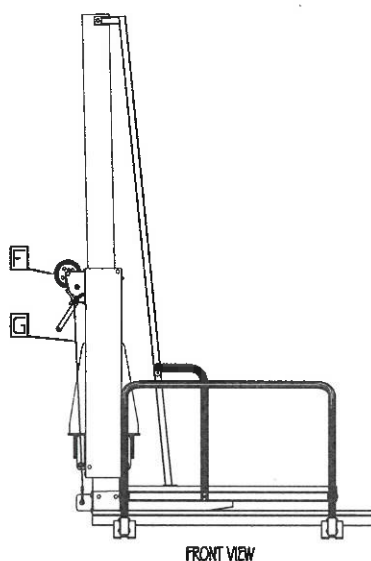
THIS CONSTRUCTION HAS BEEN DESIGNED AS A MAIN WIND FORCE RESISTING SYSTEM, WITH CALCULATED GRAVITY AND WIND LOADS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, 6th EDITION, 2017, CHAPTER 16, ADM 2015, AND ASCE/SEI 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 170 MPH, EXPOSURE "D", RISK CATEGORY I. J.L. SANDERS, PE 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.

J. L. Sanders
12-3-20

J.L. SANDERS, PE
2515 GRATIS ROAD NW
MONROE, GA 30656
PHONE 239-671-1578

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.

PROFILES

A	B	C	D	H	I	J	K

PILE SIZE in.	LIFT CAPACITY lbs.	STD. TRAVEL	CRADLE		STD. TRACK TUBE 6061-T6	STD. MAST TUBE 6061-T6	PLATFORM TUBE 6061-T6	THRUFLOW FLOORING	STRAP WINDER SIZE	STRAP BELT	GRAB HANDRAIL 36" HEIGHT	BOAT BUNKS NYLON	BUNKS L BRACKETS	LADDER		AUTO BRAKE HAND CRANKED WINCH	OPTIONAL ELECTRIC MEGA FLINT WINCH
			600 LB CRADLE TUBE 6061-T6	1000 LB CRADLE C CHANNEL 6061-T6										SIDE RAILS	RUNGS		
8"	600 / 1000	7'	1.25"x1.25"x.25" INSERTED IN PLATFORM TUBE MAX CRAFT WEIGHT 600 LB	3" x 1.5" x.25" INSERTED IN PLATFORM TUBE MAX CRAFT WEIGHT 1000 LB	6" X 6" X 0.19"	4"X6"x.25 UP TO 12' TALL	2" x 2" x 0.25" WT. 600 LB 4" x 2" x 0.25" WT. 1000 LB	1"x12" x 48" 2 PCS	3" REEL	2" WIDE 20' LONG 3,300LB 2-PART	1-1/2"x1-1/2"x1/8" ROUND OR SQUARE TUBE	2 x 8 x 72"	1-1/2"x1-1/2" x 3/16" THICK	1-1/2"x2-1/2" x 1/8" THICK	1" x 2" 1/8" THICK	RATED 1,500LB	RATED 3,500LB

Notes:

- Structure designed for loads associated with an ultimate wind speed of 170 MPH, exposure "D", risk category 1, calculated for Florida Building Code 2017, ASCE 7-10 and ADM-2015.
- Vessels 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.

