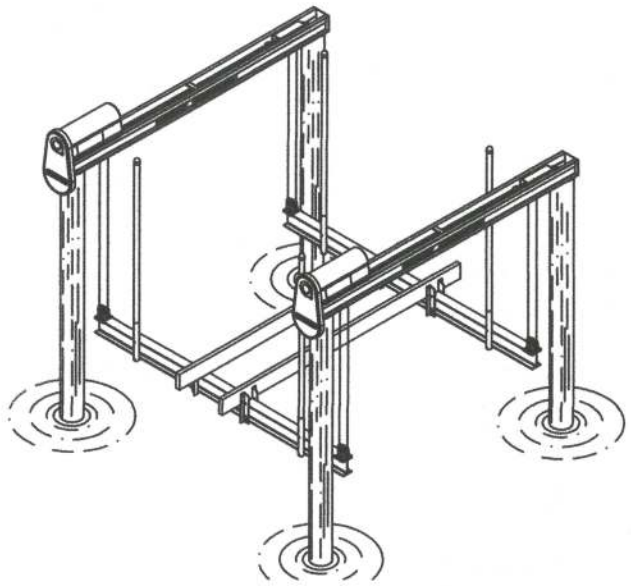
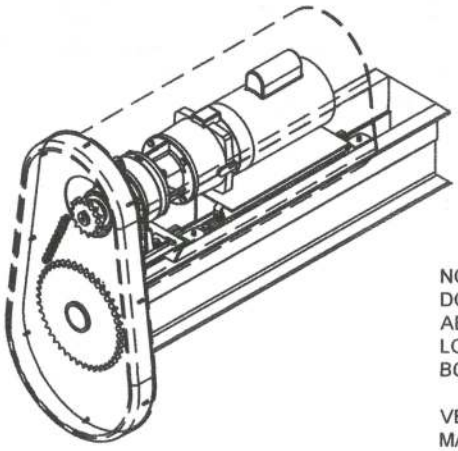
IMM Quality Boat Lifts

SUPERLIFT BOAT LIFT SPECIFICATIONS
4 POST BOAT LIFTS WITH 2 CRADLE BEAMS AND 4 CABLES





IMM BOAT LIFTS, INC. IS NOT RESPONSIBLE FOR THE DOCK STRUCTURE, OR ITS ABILITY RESIST THE APPLIED LOADS OF THE SUPERLIFT BOAT LIFT.

THE SITE SHOULD BE VERIFIED BY A LICENSED MARINE CONTRACTOR.

APPLIED LOADS WILL BE PROVIDED UPON REQUEST.

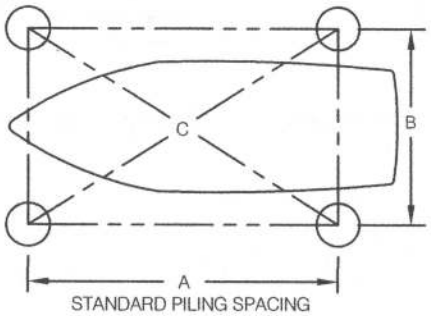
LIFT CAPACITY	CABLE BEAM SIZE CUSTOM CHANNEL INCHES	GROOVED CABLE WINDER SIZE INCHES	DRIVE SHAFT SIZE INCHES	DRIVE SHAFT SPROCKET	CHAIN SIZE	GEAR DRIVE SPROCKET	GEAR DRIVE RATIO	NO. OF MOTORS & H.P.	MOTOR BRAKE TORQUE	NO. OF CABLES AND SIZE INCHES	CABLE SPREAD INCHES	INCHES OF LIFT PER MINUTE	GUIDE POST HEIGHT	BOAT BUNKS ALUM. INCHES	CRADLE BEAM SIZE "I" BM - INCHES
5,000	5 x .230 H 2 x .160 W	3.5 DIA. 11" LG LIFTS 22 FT.	2.875 TUBE	43 TOOTH	#60	22 TOOTH	87:1	(2) 1 H.P. 240V/17A	6 FT-LBS	5/16 SSAC 7x19 304, 1P 28'	107	117	7	144	6 x .190 H 4 x .290 W 120 L
7,000	6 x .230 H 2 x .160 W	3.5 DIA. 11" LG LIFTS 22 FT.	2.875 TUBE	43 TOOTH	#60	17 TOOTH	87:1	(2) 1 H.P. 240V/17A	6 FT-LBS	5/16 SSAC 7x19 304, 1P 28'	119	90	7	144	6 x .190 H 4 x .290 W 144 L
10,000	7 x .230 H 2 x .160 W	3.5 DIA. 19" LG LIFTS 22 FT.	2.875 TUBE	43 TOOTH	#60	22 TOOTH	87:1	(2) 1 H.P. 240V/17A	6 FT-LBS	5/16 SSAC 7x19 304, 2P 56'	111	57	7	144	8 x .230 H 5 x .350 W 150 L
14,000	8 x .230 H 2 x .160 W	3.5 DIA. 19" LG LIFTS 22 FT.	2.875 TUBE	43 TOOTH	#60	17 TOOTH	87:1	(2) 1 H.P. 240V/17A	6 FT-LBS	5/16 SSAC 7x19 304, 2P 56'	111	44	7	144	10 x .250 H 6 x .410 W 150 L
18,000	11 x .230 H 2 x .160 W	3.5 DIA. 19" LG LIFTS 18 FT.	2.875 TUBE	30 TOOTH	#80	12 TOOTH	87:1	(2) 1-1/2 H.P. 240V/22A	6 FT-LBS	3/8 SSAC 6x36 304, 2P 50'	135	45	10	192	10 x .250 H 6 x .410 W 168 L
22,000	12 x .266 H 2 x .172 W	3.5 DIA. 19" LG LIFTS 18 FT.	2.875 TUBE	30 TOOTH	#80	10 TOOTH	87:1	(2) 1-1/2 H.P. 240V/22A	6 FT-LBS	3/8 SSAC 6x36 304, 2P 50'	135	38	10	192	12 x .290 H 7 x .470 W 192 L
27,000	14 x .313 H 2 x .313 W	3.5 DIA. 28" LG LIFTS 19 FT.	2.875 TUBE	30 TOOTH	#80	12 TOOTH	87:1	(2) 1-1/2 H.P. 240V/22A	6 FT-LBS	3/8 SSAC 6x36 304, 3P 75'	142	30	10	192	12 x .290 H 7 x .470 W 192 L
33,000	14 x .313 H 2 x .313 W	3.5 DIA. 28" LG LIFTS 19 FT.	2.875 TUBE	30 TOOTH	#80	10 TOOTH	87:1	(2) 1-1/2 H.P. 240V/22A	6 FT-LBS	3/8 SSAC 6x36 304, 3P 75'	166	25	10	240	12 x .310 H 7 x .620 W 216 L

HI-SPEED OPTION

GEAR DRIVE RATIO	NO. OF MOTORS & H.P.	MOTOR BRAKE TORQUE	INCHES OF LIFT PER MINUTE
43:1	(2) 2 H.P. 240V/25A	6 FT-LBS	237
43:1	(2) 2 H.P. 240V/25A	6 FT-LBS	182
43:1	(2) 2 H.P. 240V/25A	6 FT-LBS	115
43:1	(2) 2 H.P. 240V/25A	6 FT-LBS	89
43:1	(2) 3 H.P. 240V/38A	9 FT-LBS	90
43:1	(2) 3 H.P. 240V/38A	9 FT-LBS	77
43:1	(2) 3 H.P. 240V/38A	9 FT-LBS	60
43:1	(2) 3 H.P. 240V/38A	9 FT-LBS	51

ALL SPACING TO CENTER OF PILING

LIFT CAPACITY	A	B	C	RECOMMENDED PILING SIZES
5,000 LB	132"	120"	178.375"	8" DIA.
7,000 LB	144"	144"	203.625"	8" DIA.
10,000 LB	144"	150"	208"	8" DIA.
14,000 LB	144"	150"	208"	8" DIA.
18,000 LB	168"	168"	237.50"	10" DIA.
22,000 LB	168"	192"	255.125"	10" DIA.
27,000 LB	192"	192"	271.50"	10" DIA.
33,000 LB	216"	216"	305.50"	10" DIA.



STANDARD PILING SPACING

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 1614 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.

3-9-16

Arnold/Sanders Consulting Engineers, Inc.
Certificate of Authorization 9451
12651 McGregor Blvd. Suite 103
Ft. Myers, FL 33919
239-267-3666

J.L SANDERS
Reg. Florida No.66361 Date:

SIGNATURE NOT VALID WITHOUT RAISED SEAL

IMM QUALITY
BOAT LIFTS

DWG: 600086 PUB March 9, 2016

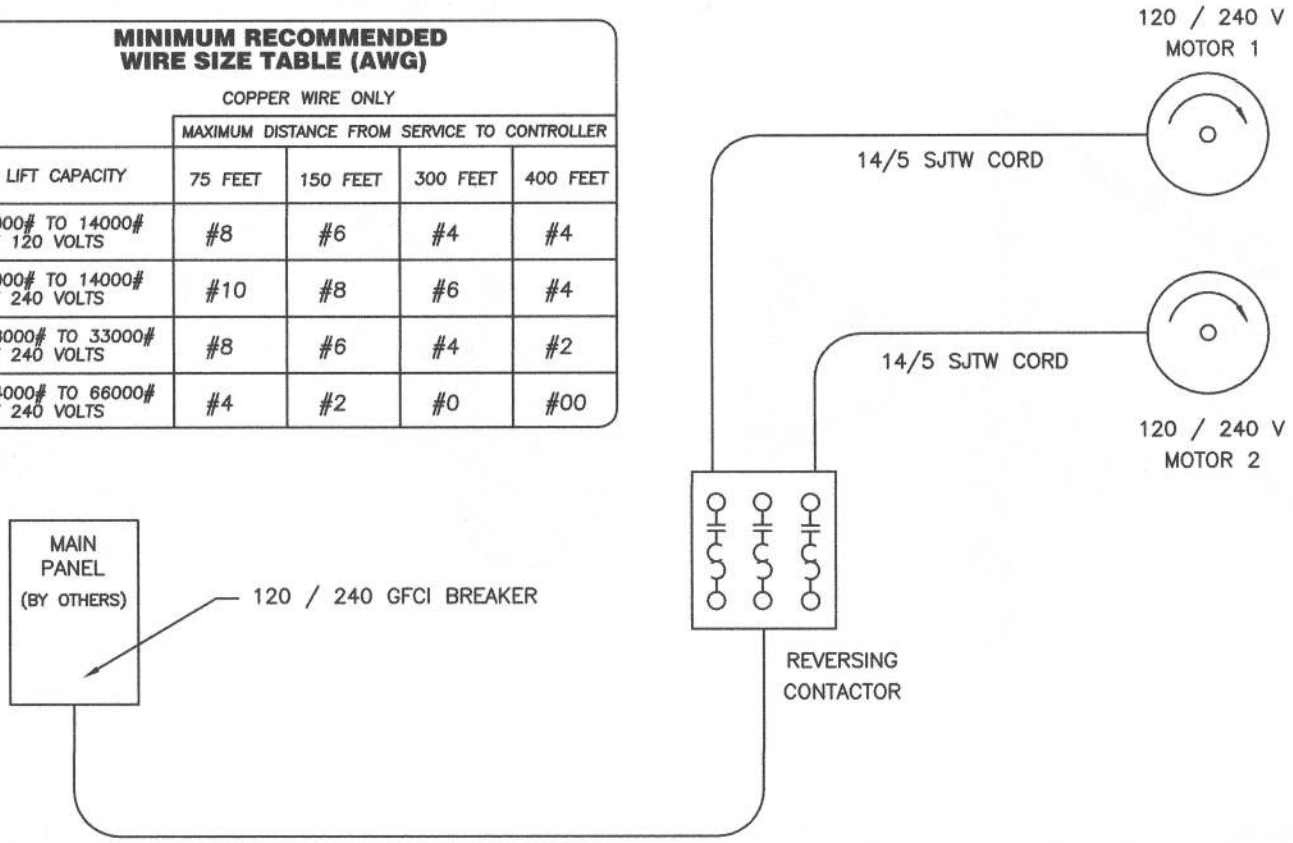
17030 Alico Center Rd. Ft. Myers, Fl. 33967 Phone: (800) 669-3515 Fax: (239) 454-8641

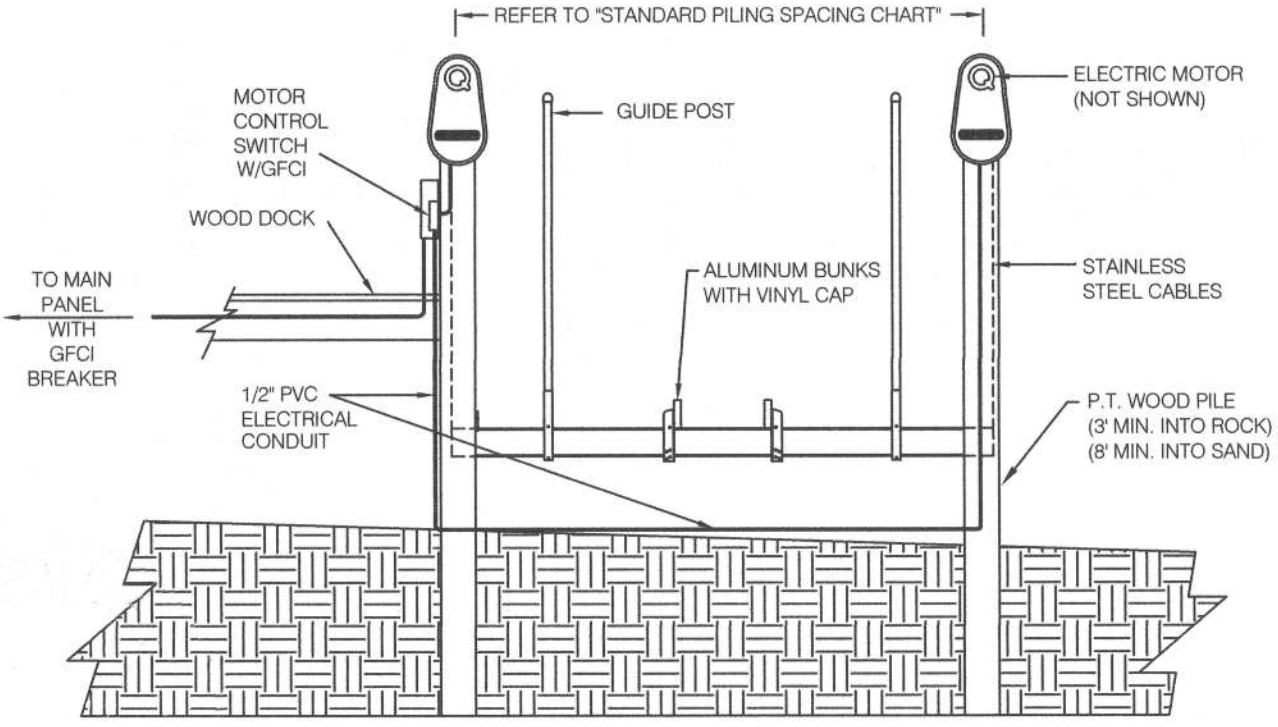
SUPERLIFT WIRING SCHEMATIC

MINIMUM RECOMMENDED WIRE SIZE TABLE (AWG)

COPPER WIRE ONLY

LIFT CAPACITY	MAXIMUM DISTANCE FROM SERVICE TO CONTROLLER			
	75 FEET	150 FEET	300 FEET	400 FEET
5000# TO 14000# AT 120 VOLTS	#8	#6	#4	#4
5000# TO 14000# AT 240 VOLTS	#10	#8	#6	#4
18000# TO 33000# AT 240 VOLTS	#8	#6	#4	#2
44000# TO 66000# AT 240 VOLTS	#4	#2	#0	#00





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