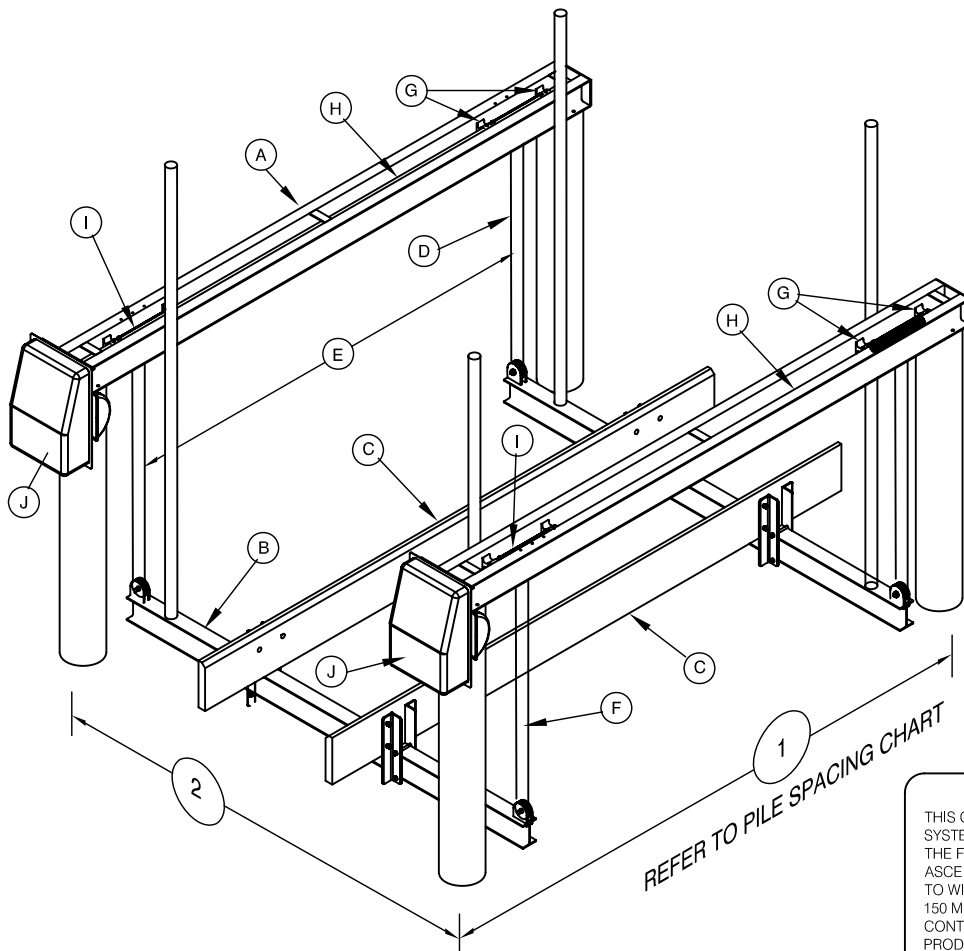


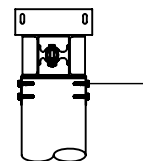
GOLDEN ENGINEERED "RUN ABOUT" 4 POST, 2 MOTOR BOAT LIFTS



PILE SPACING CHART
The boat center of gravity needs to be set in the center of the top beam

Lift Capacity	"1" Dimension	"2" Dimension	Recommended Pile Diameters
4,500 #	8'-4"	10'-0"	(4) 8"Ø (min)
5,500 #		12'-0"	
9,000 #	11'-9"	12'-6"	
12,000 #			

STAINLESS STEEL PILING MOUNT BRACKET, 4 - 3/8" STAINLESS STEEL LAG SCREWS USED TO CONNECT THE BRACKETS TO THE PILING AND 2 - 3/8" CARRIAGE BOLTS USED TO CONNECT THE BRACKETS TO THE LIFT CHANNELS



REFER TO PILE SPACING CHART

NOTE: THIS STRUCTURE WILL WITHSTAND WIND LOADS ASSOCIATED WITH BASIC WIND SPEEDS OF 150MPH CALCULATED PER F.B.C. 2004 AND ASCE 7-02. BOATS SHALL NOT BE STORED ON LIFT DURING HIGH WIND EVENTS

IN GENERAL, PILING PENETRATION TO BE 10' INTO THE SAND BOTTOM OR 5' INTO THE ROCK STRATA. SUB-SURFACE CONDITIONS CAN VARY GREATLY, THE CONTRACTOR SHALL VERIFY ALL PILE CAPACITIES. ALL PILINGS TO BE 2.5 C.C.A. TREATED

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 2004, WITH 2006 REVISIONS, SECTION 1609 AND ASCE 7-02 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A BASIC WIND SPEED OF 150 MPH, EXPOSURE "C". 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.

Trevor Johnson
Reg. Florida No.65624

Date:

Arnold/Sanders Consulting Engineering, Inc.
Certificate of Authorization 9451
16681 McGregor Blvd, Suite 102, Ft. Myers, FL 33908
239-267-3666 Fax:239-267-2771

SIGNATURE NOT VALID WITHOUT RAISED SEAL

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		
LIFT CAPACITY	TOP BEAM CHANNEL 2 EACH	CRADLE I-BEAM 2 EACH	BUNK BOARDS (PT)	STAINLESS STEEL CABLE	CABLE SPREAD	GUIDE POST HGTH	BRGS	DRIVE SHAFT	WINDER	MOTOR HP VOLTAGE	INCHES OF LIFT PER MIN	RECOM PILING SIZES
4,500 #	4" H x 0.15 2" W x 0.23 108" O.A.L.	6" H x 0.19 4" W x 0.29 120" O.A.L.	2x8 x 12'-0" CARPETED ON CAP	(4) 1/4"Ø x 15'-0" 1 PART	78"	80"	(8) 1.5" EXTENDED 6061-T ALUM.	1-1/2" SCHEDULE 80 GALVANIZED STEEL PIPE	2" SCHEDULE 80 6061-T6 ALUM. PIPE	3/4 HP 1725 RPM	48"	(4) 8"Ø (min)
5,500 #		6" H x 0.19 4" W x 0.29 144" O.A.L.		(4) 1/4"Ø x 25'-0" 2 PART							24"	
9,000 #	5" H x 0.15 2.25" W x 0.26 150" O.A.L.	6" H x 0.21 4" W x 0.35 144" O.A.L.		(4) 5/16"Ø x 25'-0" 2 PART	120"						13.5"	
12,000 #	6" H x 0.17 2.25" W x 0.29 150" O.A.L.	8" H x 0.23 5" W x 0.35 150" O.A.L.									13.5"	