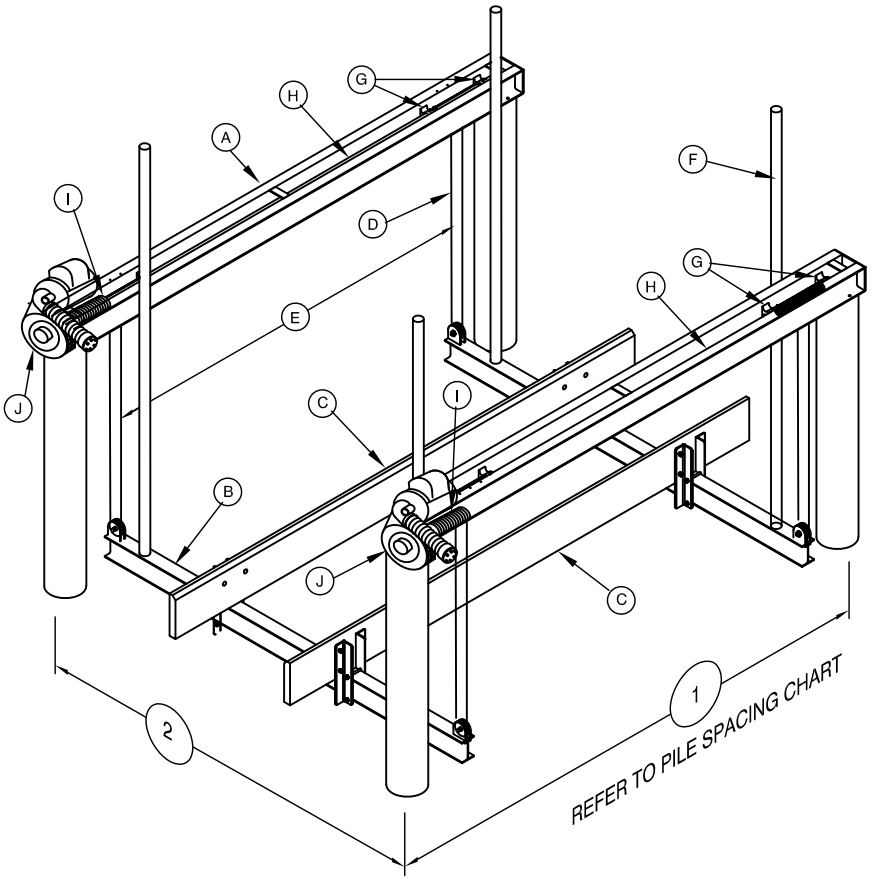
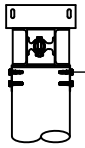
GOLDEN ENGINEERED 4 POST, 2 MOTOR SEA DRIVE BOAT LIFTS



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
Lb.	Ft.	Ft.	In.
5,000	11	10	8
7,500	12	12	
10,000		12.5	10
12,000			
14,000			
16,000		14	
20,000	14	16	
24,000	16		
28,000			12

STAINLESS STEEL PILING MOUNT BRACKET- RECOMMENDED ATTACHMENT BASED ON BRACKET CONFIGURATION. VERIFY ADEQUACY BASED ON ACTUAL SITE CONDITIONS:
4-3/8" STAINLESS STEEL LAG SCREWS USED TO CONNECT THE BRACKETS TO THE PILING AND
2-3/8" STAINLESS STEEL CARRIAGE BOLTS USED TO CONNECT THE BRACKETS TO THE LIFT CHANNELS



NOTE: THIS STRUCTURE HAS BEEN DESIGNED FOR LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 180 MPH,EXPOSURE "D", RISK CATEGORY I, CALCULATED PER FLORIDA BUILDING CODE 8th EDITION, 2023, ASCE/SEI 7-22 AND ADM-2020. BOATS SHALL NOT BE STORED ON LIFTS DURING HIGH WIND EVENTS.

IN GENERAL, PILING PENETRATION TO BE A MINIMUM OF 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. PRESSURE TREATED WOOD. ALL STRUCTURAL MEMBERS TO BE 6061-T6 ALUMINUM.

SUMMARY OF DESIGN FEATURES

	(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)	CABLE SIZE	CABLE SPREAD	GUIDE POST HGTH	BRGS	DRIVE SHAFT	WINDER DIA	MOTOR HP VOLTAGE	INCHES OF LIFT PER MIN	RECOM PILING SIZES
Lbs	INCHES	INCHES		INCHES	IN							
5,000#	4 H x .15 2 W x .23 141" OAL	6 H x .19 4 W x .29 120" LGTH	2x8x144 ROUGH SAWN CARPETED	4 - 5/16" x15' ST ST 1 PART	107.75	80"	10 - 2" H.D. EXTRUDED 6061-T6 ALUM.	1-15/16" DIA. SCH 40 GALV PIPE	3-1/2" DIA SCH 80 ALUM PIPE W/ CABLE GROOVES	2 - 3/4 HP 120V/20A 240V/10A	39.70"	8" DIA
7,500#	5 H x .15 2.25 W x .26 x 153" OAL	6 H x .19 4 W x .29 144" LGTH			120.75					2 - 1 HP 120V/28A 240V/14A		
10,000#	6 H x .17 2.5 W x .29 x 153" OAL	8 H x .23 5 W x .35 150" LGTH		4 - 5/16" x30' ST ST 2 PART	116.75					2 - 3/4 HP 120V/20A 240V/10A	19.85"	10" DIA
12,000#	7 H x .17 2.75 W x .29 x 153" OAL	8 H x .25 5 W x .41 150" LGTH										
14,000#	7 H x .17 2.75 W x .29 x 153" OAL	8 H x .25 5 W x .41 150" LGTH								2 - 1 HP 120V/28A 240V/14A		
16,000#	8 H x .19 3 W x .35 x 153" OAL	10 H x .25 6 W x .41 168" LGTH	3x10x192 ROUGH SAWN CARPETED			120"		1-15/16" DIA. SCH 80 GALV PIPE				
20,000#	8 H x .25 3.75 W x .41 x 177 OAL	10 H x .25 6 W x .41 192" LGTH		4- 5/16" x45' ST ST 3 PART	127.75						13.20"	
24,000#	8 H x .25 3.75 W x .41 x 201 OAL	10 H x .29 6 W x .50 192" LGTH			151.75							
28,000#	10 H x .526 2.88 W x .437 x 206 OAL	12 H x .29 7 W x .47 192" LGTH		4- 5/16" x60' ST ST 4 PART	150.3125					2 - 1-1/2 HP 120V/30A 240V/15A	8.57"	12" DIA