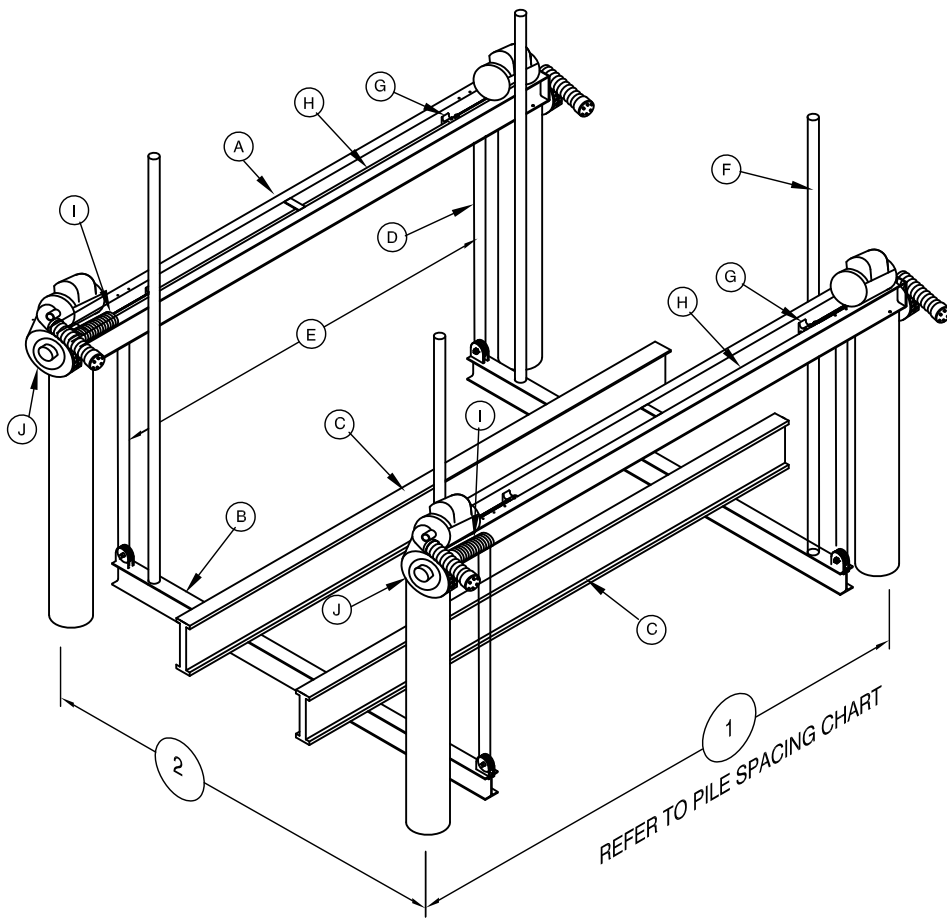


# GOLDEN ENGINEERED 4 POST, 4 MOTOR SEA DRIVE BOAT LIFTS



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



**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.
30,000	16	16	12

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 2020, ASCE/SEI 7-16 AND ADM-2015. 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 (AL)	CABLE SIZE	CABLE SPREAD	GUIDE POST HEIGHT	BEARINGS	DRIVE SHAFT	WINDER DIA	MOTOR HP VOLTAGE	INCHES OF LIFT PER MIN	RECOM PILING SIZES
Lbs	INCHES	INCHES		INCHES	IN	IN						
30,000#	10 H x .526 2.88 W x .437 x 206 OAL	12 H x .31 7 W x .62 192" LGTH	110 x 8.65 ALUM CARPETED	4- 3/8" x 45" ST ST 3 PART	146"	120"	10 - 2" H.D. EXTRUDED 6061-T6 ALUM.	1-15/16" DIA. SCH 80 GALV PIPE	3-1/2" DIA SCH 80 ALUM PIPE W/ CABLE GROOVES	4 - 1-1/2 HP 120V/20A 240V/10A	13.20"	12" DIA