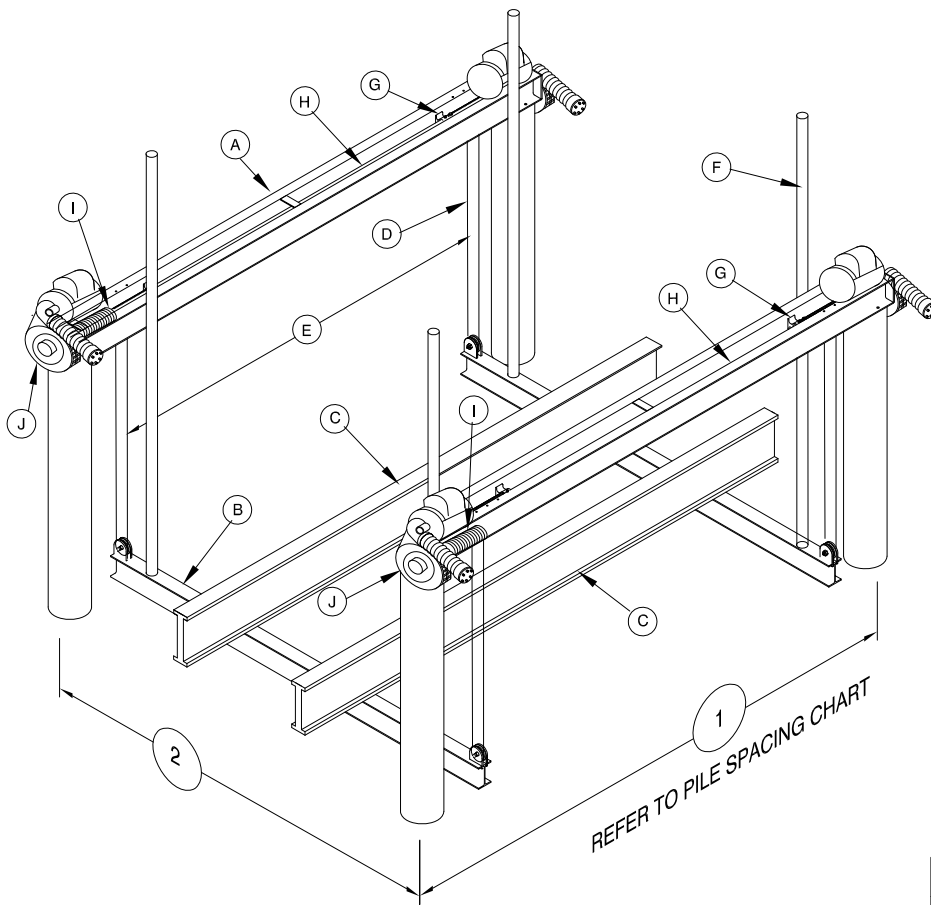
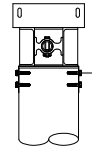


GOLDEN ENGINEERED 4 POST, 4 MOTOR SEA DRIVE BOAT LIFTS



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 2017, ASCE/SEI 7-10 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

LIFT CAPACITY	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	RECOM PILING SIZES	
	TOP BEAM CHANNEL 2 EACH INCHES	CRADLE I-BEAM 2 EACH INCHES	BUNK BOARDS (AL)	CABLE SIZE INCHES	CABLE SPREAD IN	GUIDE POST HEIGHT IN	BEARINGS	DRIVE SHAFT	WINDER DIA	MOTOR HP VOLTAGE		INCHES OF LIFT PER MIN
30,000#	10 H x .526 2.88 W x .437 x 201 OAL	12 H x .31 7 W x .62 192" LGTH	1"10 x 8.65 ALUM CARPETED	4- 3/8" x45" ST ST 3 PART	148"	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