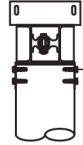


GOLDEN ENGINEERED 4 POST, 4 MOTOR SEA DRIVE BOAT LIFTS



WOOD PILE ATTACHMENT

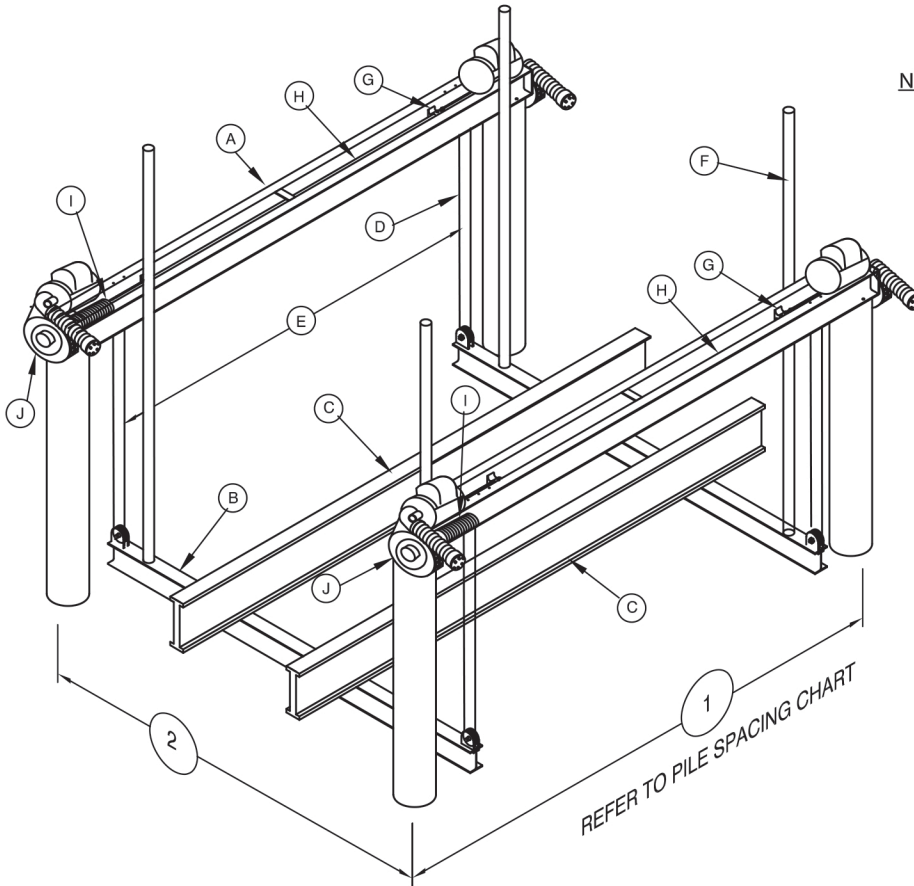
STAINLESS STEEL PILING MOUNT BRACKET-
RECOMMENDED ATTACHMENT BASED ON BRACKET
CONFIGURATION. VERIFY ADEQUACY BASED ON
ACTUAL SITE CONDITIONS:
4-3/8" STAINLESS STEEL LAG SCREWS USED TO
CONNECT THE BRACKETS TO THE PILING AND
2-3/8" STAINLESS STEEL CARRIAGE BOLTS USED TO
CONNECT THE BRACKETS TO THE LIFT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



NOTE: CONCRETE PILE (NOT SHOWN)

(2) 316 STAINLESS STEEL SIMPSON TITEN FASTENERS
WITH MIN. 4" EMBED. INSTALL ONE INSIDE AND ONE
OUTSIDE 8" BELOW TOP OF PILE.

5/8" DIAMETER FOR 30-40K LIFTS
3/4" DIAMETER FOR 56K LIFT



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

Lift Capacity Lb.	1" Dimension Ft.	2" Dimension Ft.	Recommended	
			Wood Pile Inch Dia.	Conc. Pile Inch Dims.
30,000	16	16	12	12 x 12
32,000	16	16	12	12 x 12
40,000	16	18	12	12 x 12
56,000	18	20	12	12 x 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 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	CRADLE I-BEAM	BUNK	CABLE	CABLE	GUIDE	BEARINGS	DRIVE	WINDER	MOTOR	INCHES	RECOM
Lbs	INCHES	INCHES	BOARDS	SIZE	SPREAD	POST		SHAFT	DIA	HP	OF LIFT	PILING
			(AL)	INCHES	IN	HEIGHT				VOLTAGE	PER MIN	SIZES
						IN						
30,000#	C10 x 8.64 LB/FT 10 H x .526 2.88 W x .437 x 206 OAL	12H x .31 7 W x .62 x 192 Long	10 x 6 x 25 ALUM CARPETED	4- 1/2" x30" ST ST 2 PART	134"	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	19.85"	12"
32,000#	C10 x 8.64 LB/FT 10 H x .526 2.88 W x .437 x 206 OAL	14 H x .30 8 W x .60 192" Long		3- 3/8" x60" ST ST 3 PART	134"	120"	10 - 2" H.D. EXTRUDED 6061-T6 ALUM.			4 - 1-1/2 HP 120V/20A 240V/10A	9.90"	12"
40,000#	C10 x 8.64 LB/FT 10 H x .526 2.88 W x .437 x 206 OAL	14 H x .30 8 W x .60 216" Long		3- 7/16" x60" ST ST 3 PART	134"	120"	10 - 2" H.D. EXTRUDED 6061-T6 ALUM.			4 - 1-1/2 HP 120V/20A 240V/10A	9.90"	12"
56,000#	C10 x 8.64 LB/FT 10 H x .526 2.88 W x .437 x 230 OAL	2 Double 12 H x .31 7 W x .62 240" Long		4- 7/16" x60" ST ST 4 PART	158"	120"	10 - 2" H.D. EXTRUDED 6061-T6 ALUM.			4 - 1-1/2 HP 120V/20A 240V/10A	9.90"	12"