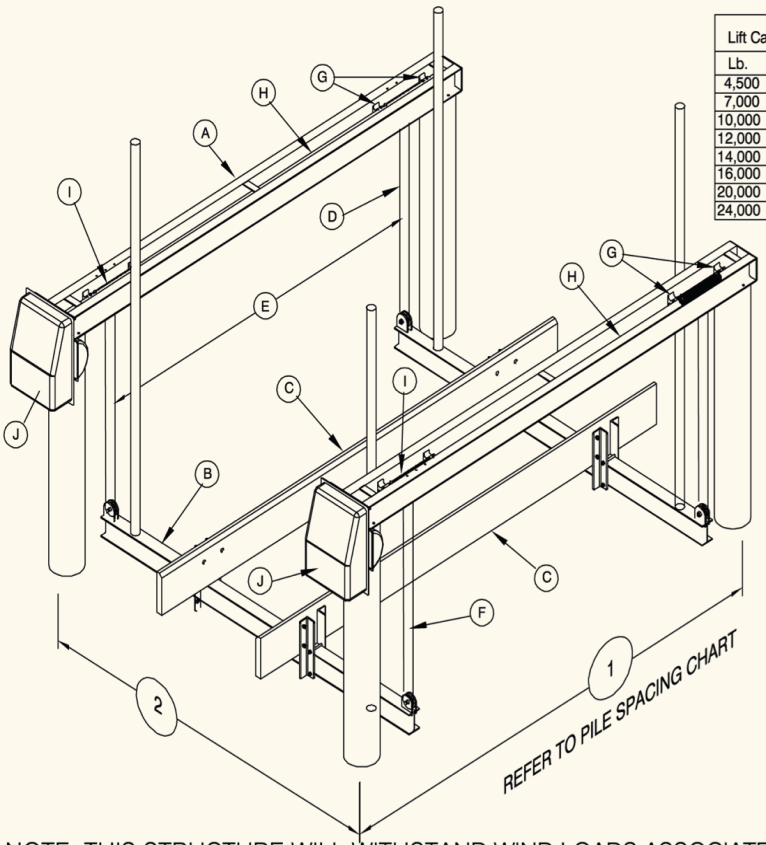
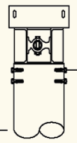
PILE SPACING CHART

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.	Kg.	Ft.	M	Ft.	M	In.	Mm
4,500	2041	11	3.35	10	3.0	8	203
7,000	3175	12	3.66	12	3.66		
10,000	4540			12.5	3.81	9	229
12,000	5443						
14,000	6350			14	4.27	10	254
16,000	7257						
20,000	9072	14	4.27	16	4.88		
24,000	10,886	16	4.88				



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



PILING PENETRATION TO BE 10' INTO THE SAND BOTTOM OR 5' INTO THE ROCK STRATA, ALL PILINGS TO BE 2.5 C.C.A. TREATED

NOTE: This structure will withstand loads with speeds of 130 MPH calculated per F.B.C (01 ED) CH. 16 & ASCE document 7–98

NOTE: THIS STRUCTURE WILL WITHSTAND WIND LOADS ASSOCIATED WITH WIND SPEEDS OF 130 MPH CALCULATED PER F,B.C.(01 EDI CH. 18 ASCE DOCUMENT 7-98

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	Kg	INCHES	MM	INCHES	MM		INCHES	MM	IN	MM							
4,500#	2043 kg	4 H x .15 2 W x .23 141" OAL	101.6h x 4.1mm 50.8w x 5.8mm 3.6m OAL	6 H x .19 4 W x .29 120" LGTH	152.4h x 4.8mm 101.6w x 7.4mm 3.05m OAL	2x6x144 ROUGH SAWN CARPETED 50.8 MM x 203.3 MM x 3.7M	4 - 5/16" x15' ST ST 1 PART	4 - 7.9mmØ x4.6m ST ST 1 PART	98"	2.6m	80" 2M	8 - 2" (50.8 MM) EXTRUDED 6061-T6 ALUM.	1-15/16" DIA. (23.8 MM) SCH 40 GALV PIPE	2-3/8" DIA (9.5 MM) SCH 80 ALUM PIPE	2 - 3/4 HP 120V/20A 240V/10A	27" 1M	8" DIA 203.2 MM
7,000#	3178 kg	5 H x .15 2.25 W x .28 x 153 OAL	152.4h x 4.3mm 63.5w x 7.4mm x 3.9 m AOL	6 H x .19 4 W x .29 144" LGTH	203.2h x 5.8mm 127w x 8.9mm 3.7 m AOL				110"	2.8m					2 - 1 HP 120V/20A 240V/10A		
10,000#	4540 kg	6 H x .17 2.5 W x .29 x 153" OAL	177.8hx4.3mm 69.9wx7.4mm 3.9m OAL	8 H x .23 5 W x .35 150" LGTH	203.2hx 6.4mm 127w x 8.9mm 3.9 m AOL		4 - 5/16" x30' ST ST 2 PART	4 -7.94mmØ x9.2m ST ST 2 PART							2 - 3/4 HP 120V/20A 240V/10A	12-1/2" 392.9MM	10" DIA 254 MM
12,000# & 14,000#	5448 kg & 6356 kg	7 H x .17 2.75 W x .29 x 153" OAL	203.2hx4.8mm 76.2wx8.9mm 3.9 m OAL	8 H x .25 5 W x .41 150" LGTH	203.4h x 6.4mm 127w x 10.4mm 3.8 m OAL										2 - 1 HP 14,000#		
16,000#	7264 kg	8 H x .19 3 W x .35 x 153" OAL	203.2hx6.4mm 95.3wx10.4mm 3.9 m OAL	10 H x .25 6 W x .41 168' LGTH	254hx 6.4mm 152.4wx10.4mm 4.3 m AOL	3x10x192 ROUGH SAWN CARPETED 76 MM x 254 MM x 4.9 M	4- 5/16" x45' ST ST 3 PART	4- 7.94mmØ x13.7m ST ST 3 PART	122"	3.9m	120" 3.1M	1-15/16" DIA. (23.8 MM) SCH 80 GALV PIPE			2 - 1 HP 120V/20A 240V/10A	9" 228.6MM	
20,000#	9080 kg	8 H x .25 3.75 W x .41 x 177 OAL	203.2hx6.4mm 95.3wx10.4mm 4.5 m OAL	10 H x .25 6 W x .41 192" LGTH	254hx6.4mm 152.4wx10.4mm 4.9 m AOL				134"	4.6m							
24,000#	10896 kg	8 H x .25 3.75 W x .41 x 201 OAL	203.2hx6.4mm 95.3wx10.4mm 5.1 m OAL	10 H x .29 6 W x .50 192" LGTH	254hx7.4mm 152.4wx12.7mm 4.9 m AOL												