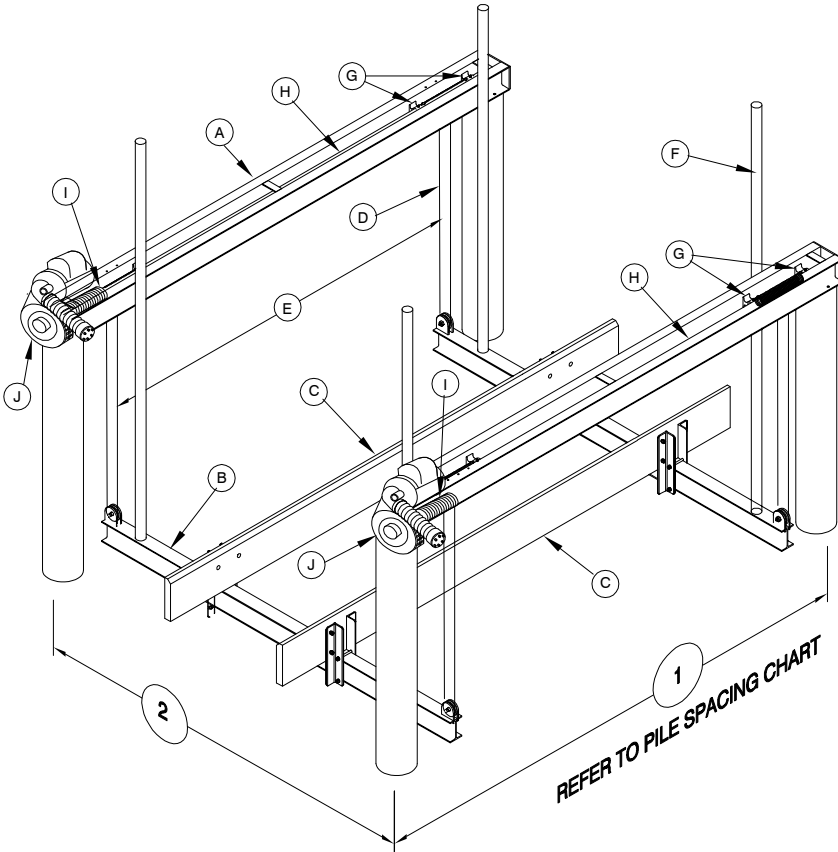


# GOLDEN ENGINEERED 4 POST, 2 MOTOR SEA DRIVE BOAT LIFTS



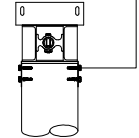
**PILE SPACING CHART**  
The boat center of gravity needs to be set in the center of the top beam

| Lift Capacity | "1" Dimension | "2" Dimension | Recommended Pile Diameters |
|---------------|---------------|---------------|----------------------------|
| Lb.           | Ft.           | Ft.           | In.                        |
| 5,000         | 11            | 10            | 8                          |
| 7,500         |               | 12            |                            |
| 10,000        | 12            | 12.5          | 10                         |
| 14,000        |               |               |                            |
| 16,000        |               |               |                            |
| 20,000        | 14            | 14            | 10                         |
| 24,000        | 16            | 16            |                            |
| 28,000        |               |               |                            |

**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 6th EDITION, 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

|               | (A)                                       | (B)                                  | (C)                             | (D)                               | (E)    | (F)   | (G)                                 | (H)   | (I)   | (J)                                |         |        |
|---------------|---|--------------------------------------|---------------------------------|-----------------------------------|--------|-------|-------------------------------------|---|---|------------------------------------|---------|--------|
| LIFT CAPACITY | TOP BEAM CHANNEL                          | CRADLE I-BEAM                        | BUNK                            | CABLE SIZE                        | CABLE  | GUIDE | BRGS                                | DRIVE   | WINDER  | MOTOR                              | INCHES  | RECOM  |
| Lbs           | 2 EACH                                    | 2 EACH                               | BOARDS                          | INCHES                            | SPREAD | POST  |                                     | SHAFT   | DIA   | HP                                 | OF LIFT | PILING |
|               | INCHES                                    | INCHES                               | (PT)                            |                                   | IN     | HGTH  |                                     |   |   | VOLTAGE                            | PER MIN | SIZES  |
| 5,000#        | 4 H x .15<br>2 W x .23<br>140" OAL        | 6 H x .19<br>4 W x .29<br>120" LGTH  | 2x6x144 ROUGH<br>SAWN CARPETED  | 4 - 5/16"<br>x15' ST ST<br>1 PART | 107.75 | 80"   | 10 - 2" H.D. EXTRUDED 6061-T6 ALUM. | 1-15/16" DIA.<br>SCH 40 GALV PIPE               | 3-1/2" DIA<br>SCH 80 ALUM PIPE W/ CABLE GROOVES | 2 - 3/4 HP<br>120V/20A<br>240V/10A | 39.70"  | 8" DIA |
| 7,500#        | 5 H x .15<br>2.25 W x .26<br>x 153" OAL   | 6 H x .19<br>4 W x .29<br>144" LGTH  |                                 | 4 - 5/16"<br>x30' ST ST<br>2 PART | 120.75 |       |                                     |   |   | 2 - 1 HP<br>120V/28A<br>240V/14A   |         |        |
| 10,000#       | 6 H x .17<br>2.5 W x .29<br>x 153" OAL    | 8 H x .23<br>5 W x .35<br>150" LGTH  |                                 |                                   | 116.75 |       |                                     |   |   | 2 - 3/4 HP<br>120V/20A<br>240V/10A |         |        |
| 14,000#       | 7 H x .17<br>2.75 W x .29<br>x 153" OAL   | 8 H x .25<br>5 W x .41<br>150" LGTH  | 3x10x192 ROUGH<br>SAWN CARPETED | 4 - 5/16"<br>x45' ST ST<br>3 PART | 127.75 | 120"  | 1-15/16" DIA.<br>SCH 80 GALV PIPE   | 3-1/2" DIA<br>SCH 80 ALUM PIPE W/ CABLE GROOVES | 2 - 1 HP<br>120V/28A<br>240V/14A                | 19.85"                             | 10" DIA |        |
| 16,000#       | 8 H x .19<br>3 W x .35<br>x 153" OAL      | 10 H x .25<br>6 W x .41<br>168" LGTH |                                 |                                   | 151.75 |       |                                     |   |   |                                    |         |        |
| 20,000#       | 8 H x .25<br>3.75 W x .41<br>x 177" OAL   | 10 H x .25<br>6 W x .41<br>192" LGTH |                                 |                                   | 145    |       |                                     |   |   |                                    |         |        |
| 24,000#       | 8 H x .25<br>3.75 W x .41<br>x 201 OAL    | 10 H x .29<br>6 W x .50<br>192" LGTH |                                 | 4 - 5/16"<br>x60' ST ST<br>4 PART |        |       |                                     |   | 2 - 1-1/2 HP<br>120V/30A<br>240V/15A            | 8.57"                              | 12" DIA |        |
| 28,000#       | 10 H x .526<br>2.88 W x .437<br>x 201 OAL | 12 H x .31<br>7 W x .62<br>192" LGTH |                                 |                                   |        |       |                                     |   |   |                                    |         |        |