

# ***RUN ABOUT INSTALLATION INSTRUCTIONS***





# GENERAL INSTRUCTIONS

1. Read all instructions before starting installation.
2. Before setting pilings check with the boat owner and boat manufacturer for the proper hull support system. Options include keel beams and stanchions, I-beam bunks, step bunks, or any other combination the hull may require for full support.
3. Installation crew should be properly licensed, insured and qualified. If this is a first time installation a company representative will assist for the installation and initial lifting.
4. Only a qualified licensed electrical contractor should wire the motors and controls.
5. Make the necessary arrangements for getting in the water. The final hull support placement of the bunks and stanchions will be completed with the boat in the slip.
6. Installation will proceed more quickly if ALL bolts are brushed with anti-seize compound first thing, before needing to use them.
7. Check the dimensions of the pilings against the sales order and verify the correct piling positions.
8. Trim all of the pilings to the correct height. All pilings must be at the same height and cut Level.
9. Assemble the motors and gearboxes and attach them to the lift with the motor capacitor up and the water drain hole down.
10. Secure the gearbox to the shaft with the drive bolt located under the gear box cover. **NOTE WHICH BEAM CONTAINS AUTO - STOP.** This beam must be mounted on the same side as the control box.
11. Attach the torque bolts through the gearbox flanges and to the lift torque nipples and arms.
12. Using ant-seize on the motor shaft, insert it into the gear box and attach with the four motor bolts provided. Note key way alignment when inserting motor shaft. Doing this prep work over on the ground or barge saves a lot of time, as opposed to working over the water.
13. Using the barge crane, lift each beam on to the pilings and secure them with the pile mount straps and lag bolts provided.
14. A shipping wedge was placed between the winder and the side of the beam. It may be necessary to remove the wedge during bolting the gear box on. Always keep tension on the cables if the wedge is removed.
15. Pre-assemble the cradle beams with the guide pole bases and stanchions leaving the hardware snug but not tight.
16. Place each pre-assembled cradle in position and loop the cable around the pulleys. **NOTE:** Always keep the shipping wedge in place or tension on the cables.



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# GRAPHICAL INSTRUCTIONS

IF YOU ARE NOT USING A BARGE THEN YOU MAY WANT TO USE THE METHOD OF SCAFFOLDING THE PILES FOR THE INSTALLATION. IF YOU ARE USING A BARGE THEN SKIP TO LEVELING THE PILES.

Figure 1

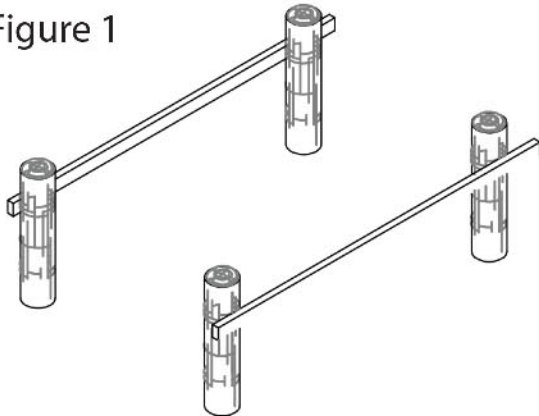
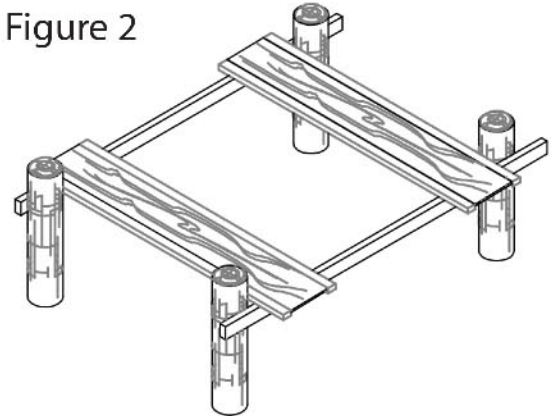
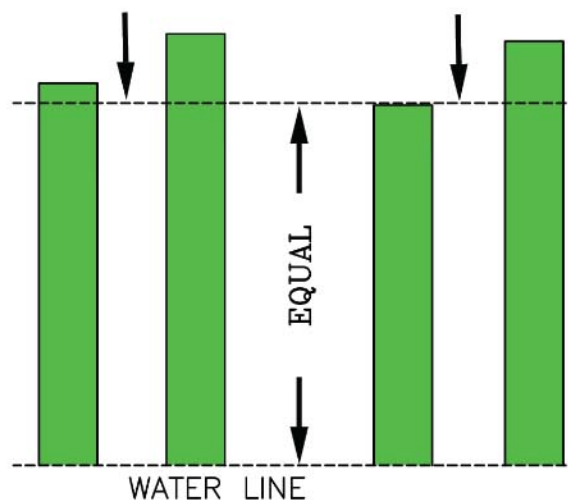


Figure 2



- \* Scaffold the pilings (as shown above to the right.)
- \* Nail 2 - 2" x 8" x 16" boards approximately 4' down from the top of the pilings. (Figure 1)
- \* Run two pieces of extension ladder across the boards. (Figure 2)
- \* Measure the height of the shortest piling to the surface of the water.
- \* Mark the other three pilings at the same height.
- \* Cut all of the pilings to the measured mark.
- \* Level all of the piling tops to assure solid seating of the cable beams.

TRIM EACH PILING TO THE SAME HEIGHT.



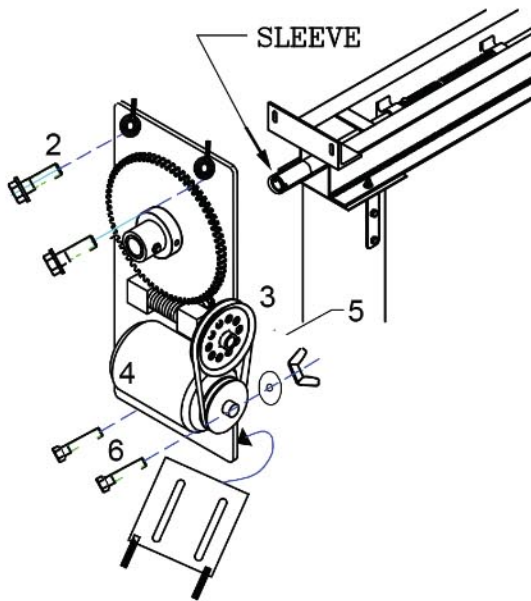
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# GRAPHICAL INSTRUCTIONS CONTINUED

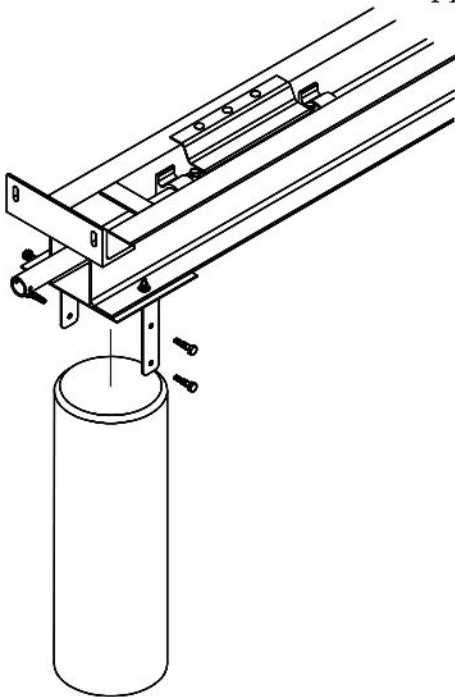
## MOUNTING THE FLAT PLATE DRIVE



1. Slide the flat plate over the shaft and sleeve, align the holes and secure with hardened bolt and lock nut.
2. Bolt the flat plate to the winder mount angle use  $1/2" \times 1-1/4"$  bolts, nuts, washers and pin washer. (See Illustration)
3. Install large V-belt pulley on the worm shaft and align with motor pulley.
4. Install motor to backplate using top holes and short carriage bolts. (Provided)
5. Install V-belt around both pulleys starting with the motor pulley.
6. Install longer carriage bolts in lower motor mounts using wing nuts and sliding pin plate.

## MOUNTING CABLE BEAM TO THE PILING

Flat plate left off of illustration for clarity



1. Remove the shipping block from the motor mount angle.
2. Loosen the stainless steel mounting brackets. (Front and rear of the beam)
3. Lift the Top Beam so it rests on the top of the pilings, position the mounting brackets so that they straddle the piling.
4. Using a  $3/8"$  wrench, tighten the mounting brackets to the cable beam.
5. Mark the screw locations and drill  $1/4"$  pilot holes in the piling. (Both sides)
6. Secure with the  $3/8"$  stainless steel lag screws provided.

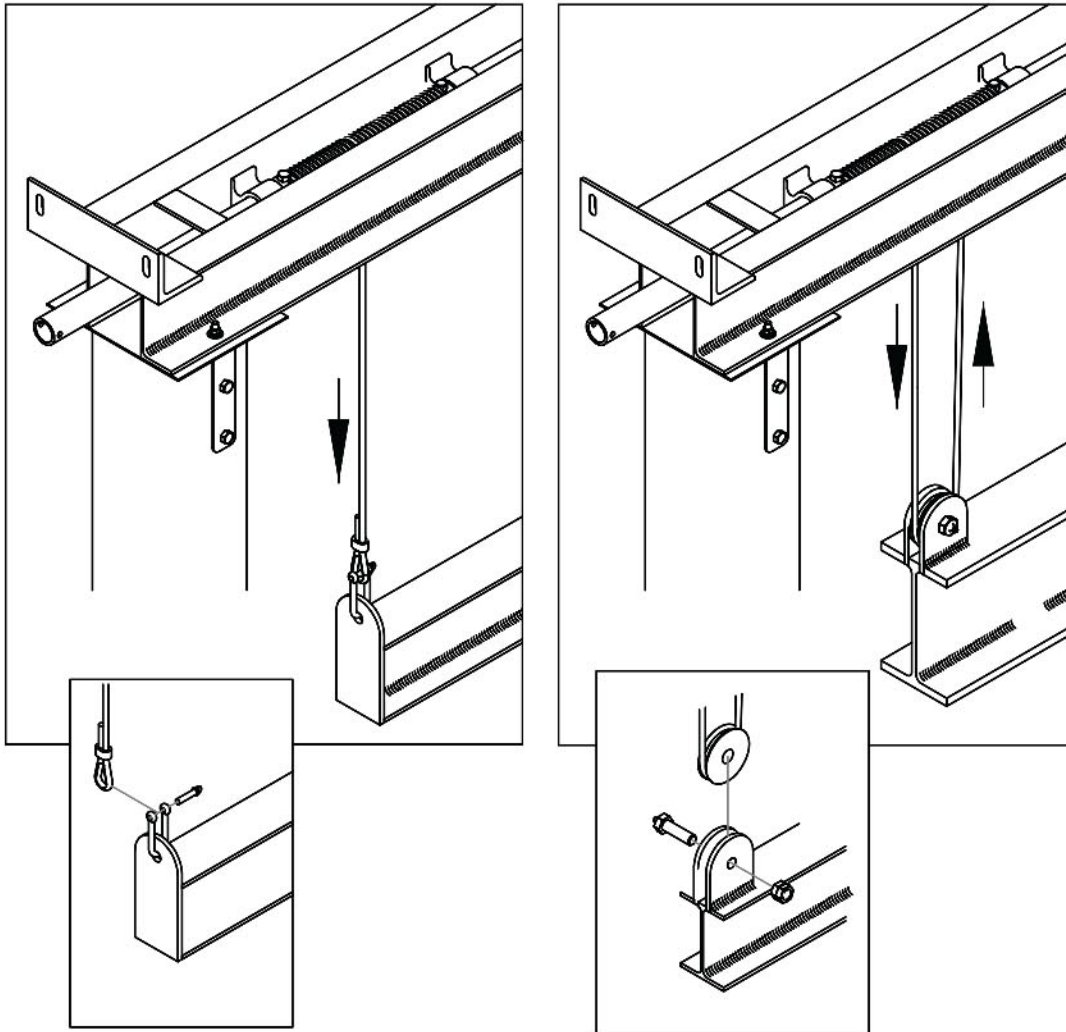


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# GRAPHICAL INSTRUCTIONS CONTINUED

## 1 AND 2 PART CABLE INSTALLATION



### PART 1 INSTALLATION

1. Remove the screw pin from the shackle.
2. Insert the shackle thru the hole in the cradle beam end plate.
3. Mate the shackle and the cable thimble and re-attach the screw pin.
4. Remove the wooden cable wedge.

### PART 2 INSTALLATION

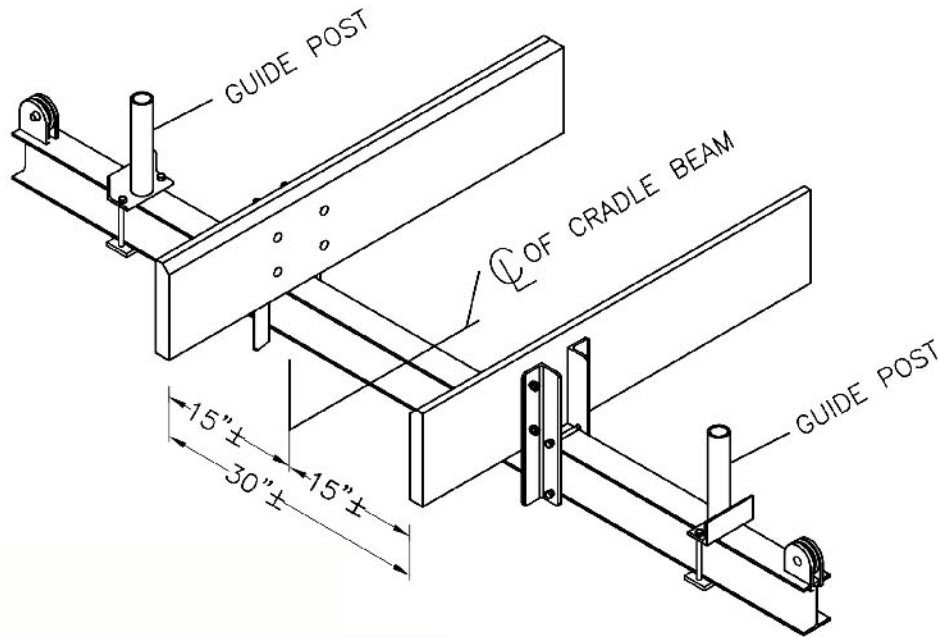
1. Detach the pulley from the cradle beam.
2. Loop the cable around the pulley.
3. Re-attach the pulley and tighten the pulley axle bolt.
4. Remove the wooden cable wedge.



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# GRAPHICAL INSTRUCTIONS CONTINUED



FOR PROPER LIFTING OF THE BOAT THE FOLLOWING PROCEDURE SHOULD BE FOLLOWED FOR CARPETED WOOD BUNKS

1. Measure the length of the cradle beam.
2. Place a mark at the center of the distance.
3. Position the bunk brackets at 15" + on each side of the center mark.
4. Place the bunk boards against the bunk brackets with 12" + extending out from the cradle beam.

NOTE: When installing bunks keep cradle beams parallel with each other and the same distance apart as the cable spread.

5. Drill (16) sixteen clearance holes for mounting the bunk brackets. Align both bunk boards perpendicular to the cradle beams.
6. Tighten all connections.

## GUIDE POST ASSEMBLY

1. Measure the beam of the boat to be lifted.
2. Using the same center mark that you used for the bunk boards, mark the half distance on each side of the center mark.
3. Loosely position the guide posts of the cradle beam. These will be made secure after the boat is positioned on the lift.

## ELECTRICAL

1. Read ALL wiring instructions before connecting or changing wires.
2. Refer to wiring schematic for remote hookup.



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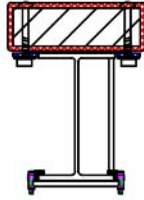
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# GRAPHICAL INSTRUCTIONS CONTINUED

## BUNK BOARD OPTIONS

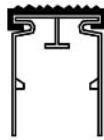
I-BEAM STYLE



CARPETED WOOD  
OVER  
ALUMINUM I-BEAM

Install by bolting the I- beam  
flange of the bunk to the flange  
of the cradle.

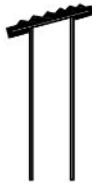
REINFORCED  
EXTRUDED



FLAT TOP  
EXTRUDED

Install bunk brackets. Set the  
bunk over the bunk mount brackets  
and bolt thru.

19 DEG. PRE FAB  
EXTRUDED  
ALUMINUM



SYNTHETIC RUBBER  
SURFACE

Install bunk brackets. Set the  
bunk over the bunk mount angles  
and bolt thru.

PONTOON  
OR  
CATAMARAN



12" FLAT TOP  
ALUMINUM WITH  
SYNTHETIC RUBBER  
SURFACE

Install by bolting the channel flange  
of the bunk to the flange of the cradle.



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# GRAPHICAL INSTRUCTIONS CONTINUED

At this point the equipment is all in place and you are ready to run the lift.

Have the electrician wire the motors and control box. If the lift has an Auto Stop, locate its position and read the instructions under the cover.

If you have an Auto-Stop feature set Auto-Stop and level the lift. With the motors wired run the lift up to the approximate final up position. Set the upper limit at this position. Repeat this for the lower limit with the cradles near the floor of the berth. Check both top and lower limit and adjust or fine tune until the lift is stopping correctly. Adjust the level of the lift using the level switches on the control box. Each motor switch cuts off that motor. Pick the high point and cut off that motor. Run the lift until the low point is raised to level.

## LIFTING THE BOAT



**CAUTION:** ONLY EXPERIENCED PERSONAL SHOULD ATTEMPT THIS!

Move the boat into the slip and over the cradle beams. Raise the lift until the cradle beam contacts the boat.

Adjust the bunks according to the boat hull. If you are unsure, check with the boats manufacturer as to where they recommend the proper hull support lifting points are located. When you are satisfied, adjust the guide poles and tighten up the hardware. Mark the guide poles at the waters surface when the cradle is fully under the boat. This will always alert the captain when the lift is sufficiently deep regardless of tide.

Lift the boat up a little and check all around. Look for any thru hull fitting contact with the pads. Make sure the boat is sitting on the bunk boards fully. Continue to raise the boat slowly until it is completely out of the water. Inspect cable tension, pulleys and boat on the lift.

Ask the electrician to check the amperage of each motor to be sure that the wiring is correct and the motor load is within its specifications.



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