



ShoreStation®

**PLF144-128A - Threaded Ends
PLATFORM FLAT KIT OVERHEAD LIFT 144"W 128"L 6K MAX NO BUNK TE**



BUNDLE PLF144-128A

**73822 PLATFORM FLAT 144W 128L 6K
73723 HARDWARE BAG ALUM PLATFORM 6K**



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122 IA-175
Ida Grove, IA 51445

0004735
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WARNING

DO NOT INSTALL OR OPERATE A LIFT WITHOUT STUDYING THIS MANUAL AND INFORMATION INCLUDED WITH THE LIFT. FAILURE TO DO SO CAN LEAD TO IMPROPER INSTALLATION RESULTING IN SERIOUS PERSONAL INJURY AND/OR PRODUCT DAMAGE. IF YOU HAVE FURTHER QUESTIONS AFTER REVIEWING THIS INFORMATION, CONTACT YOUR SHORESTATION SALES REPRESENTATIVE.



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Safety Definitions

Safety messages are presented throughout this document and labels affixed to the product. The messages alert you to potential hazards to you and/or property. The signal words DANGER, WARNING, and CAUTION are preceded by an alert symbol  and communicate the severity of potential hazard. The severity of each type of message is defined as follows:

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

Safety Instructions

Working with electrical equipment and installations over the water present many potential hazards to the installer. Every installation presents unique conditions that the installer should evaluate before installing or servicing the equipment. The following instructions must be followed, but may not encompass all potential hazards:

WARNING

Never use this equipment to lift people. People must exit the boat prior to lifting it out of the water.

Never use this equipment to lift overhead. Install the platform so it remains at or below the dock level.

This equipment is designed to lift boats. Never use it to lift other items.

Do not allow children to operate or play on the equipment.

Do not install or use the lift if there are any signs of damage.

The wireless control system should only be operated if the operator has clear vision of the lift equipment and its surrounding location.

Never install or work on the equipment without first verifying that the A/C power supply (if present) is protected by a functioning Ground Fault Circuit Interrupt (GFCI) in accordance with National Electric Code section 210.8 and any additional local code requirements.

Review all operating instructions with the user(s) before allowing them to operate the lift. Disable the lift by disconnecting the battery power to the motor until you have an opportunity to train the user.

Disconnect all A/C power from the dock before installing or working on the equipment.

Do not exceed the recommended capacity of the equipment.

Do not modify the equipment unless you have received direct written approval from the manufacturer (ShoreStation).

Remove any metallic objects from your person before working with DC or AC electrical components.

Always wear proper personal protective equipment such as safety glasses, gloves, hardhats, and clothing.

Installation may require entering the water. Never enter the water without a proper personal floatation device. Disconnect any power to the lift and dock before entering the water.

Never work alone and observe safe lifting practices such as team lifting and proper lifting posture.



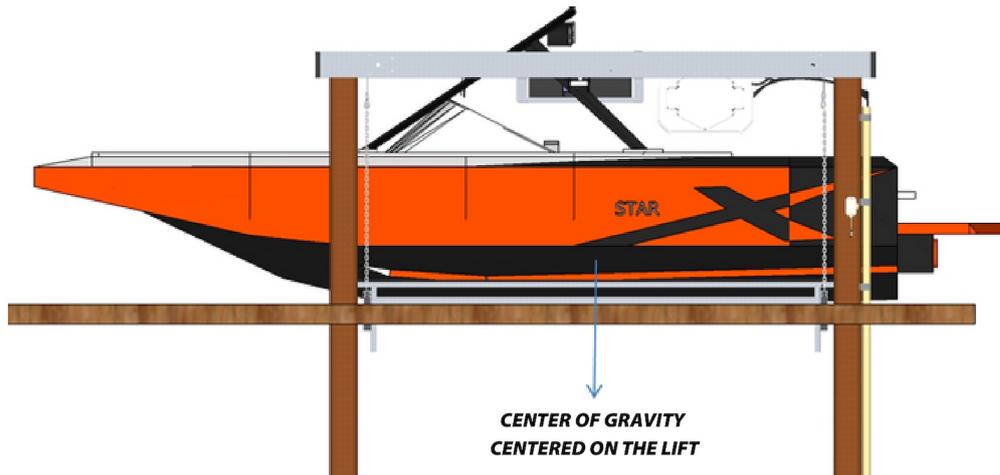
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Pre-Installation Notes Concerning Your Lift

NOTICE: A licensed & insured marine contractor must install and rate the pilings used for this lift. Permitting may be required from your local authority before construction of the lift. Consult a local marine contractor before purchasing and installing the piling system.

NOTICE: The boat should be positioned so the center of gravity is positioned as close to the middle as possible.



Preparation

Tools Required

Due to the variation in the design of boat slips, it is impossible to address all requirements. Be sure to survey the installation site and note any additional requirements.

Common tools required for installation include:

- 3/8 through 7/8 SAE wrenches
- 1/4 through 7/8 SAE ratcheting sockets and drives
- Cordless drill
- Banding cutters
- GFCI outlet tester
- Personal protective equipment (safety glasses, hard hats, gloves, etc.)
- 29/32" Drill bit for holes in cradle tubes to attach cables
- Preferred cutting tool and media to cut I-beams to length

Additional equipment may be required based on your installation site requirements.



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⚠ DANGER

AVOID ELECTROCUTION. DO NOT WORK ON OR NEAR THE DOCK WITHOUT FIRST VERIFYING THAT A FUNCTIONING GFCI IS PRESENT ON ANY A/C SUPPLY TO THE DOCK & BOAT HOUSE. NEVER ASSUME – VERIFY THE FUNCTION OF GFCI USING A GFCI OUTLET TESTER.

⚠ WARNING

NEVER WORK ALONE.

ALWAYS WEAR PERSONAL FLOATATION DEVICES WHEN WORKING IN AND OVER WATER.

ALWAYS WEAR PERSONAL PROTECTIVE DEVICES WHEN ASSEMBLING AND INSTALLING EQUIPMENT.

OBSERVE ALL SAFETY REQUIREMENTS FOR ALL EQUIPMENT USED FOR INSTALLATION.



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Assembly Instructions

Gather and double check platform parts and fasteners. You should have the following:

6K PARTS

- 2 - CRADLE TUBE ALUM FLAT 144W NO HOLES 2.12 X5.75
- 2 - PLATFORM I BEAM 3X5X126 1/4

6K HARDWARE BAG

- 16 - HH 5/16-18 X 3/4 CS STAINLESS
- 16 - HEX LOCKNUT 5/16-18 BRASS /NYL
- 32 - WASHER USS FLAT 5/16 SS
- 16 - CARR 3/8-16 X 1 CS STAINLESS
- 16 - HEX LOCKNUT 3/8-16 BRASS/NYLON
- 16 - WASHER USS FLAT 3/8 SS
- 8 - CARR 1/4-20 X 3/4 CS STAINLESS
- 8 - NUT KEP 1/4-20 SS
- 8 - LIMIT STOP 15/8000 LIFT CABLE
- 8 - HEX NUT 5/8-11 SS
- 4 -WASHER USS FLAT 5/8 SS
- 8- ANGLE ALUM HOIST I BEAM
- 4- CAP PLASTIC CRADLE EXT 5.75

Cut I-beams to length according to chart below:

Capacity [lbs]	6,000	8,000	10,000	15,000	20,000	30,000
Piling Spacing Bow-to-Stern (outside to outside, must be exact)	158	158	198	198	198	208
Piling Spacing (maximum) Port-to-Starboard (center to center, cannot be wider than this)	140	164	164	198.5	198.5	202
Cradle Beam Shape	2 x 5.75 custom extrusion	2.75 x 8 custom extrusion	2.75 x 8 custom extrusion	6 x 10 I-beam	6 x 10 I-beam	7 x 12 I-beam
Supplied Cradle Beam Length	144	168	168	195.5	195.5	198
Final Cradle Beam Length Piling Spacing (center-to-center) + X inches	4	4	4	-3	-3	-4

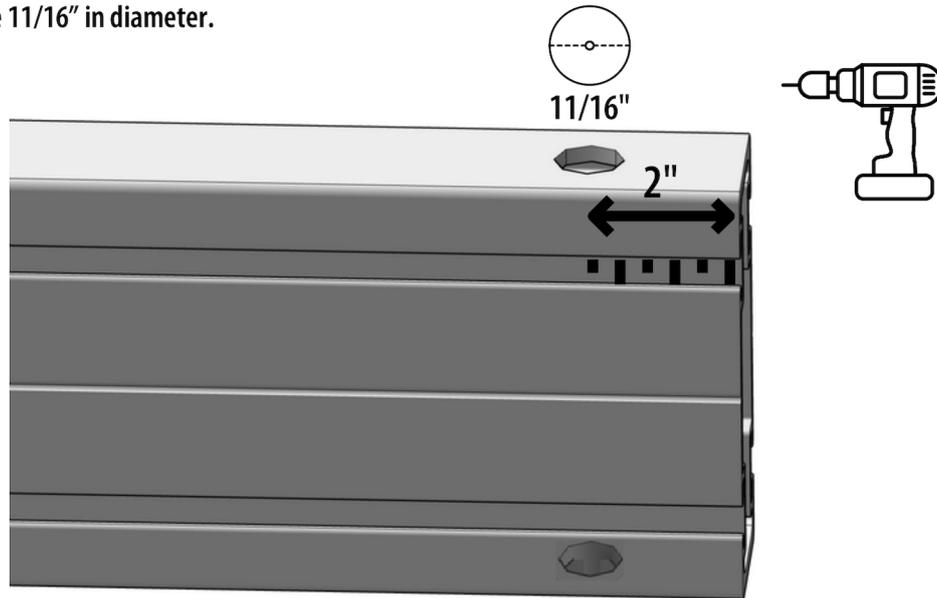


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Cable holes for 6K lifts will need to be drilled into the cradle tubes after cradle tubes have been cut down to the appropriate length.

Hole should be drilled 2" on center away from each end of the cradle tube (aka cradle beam).

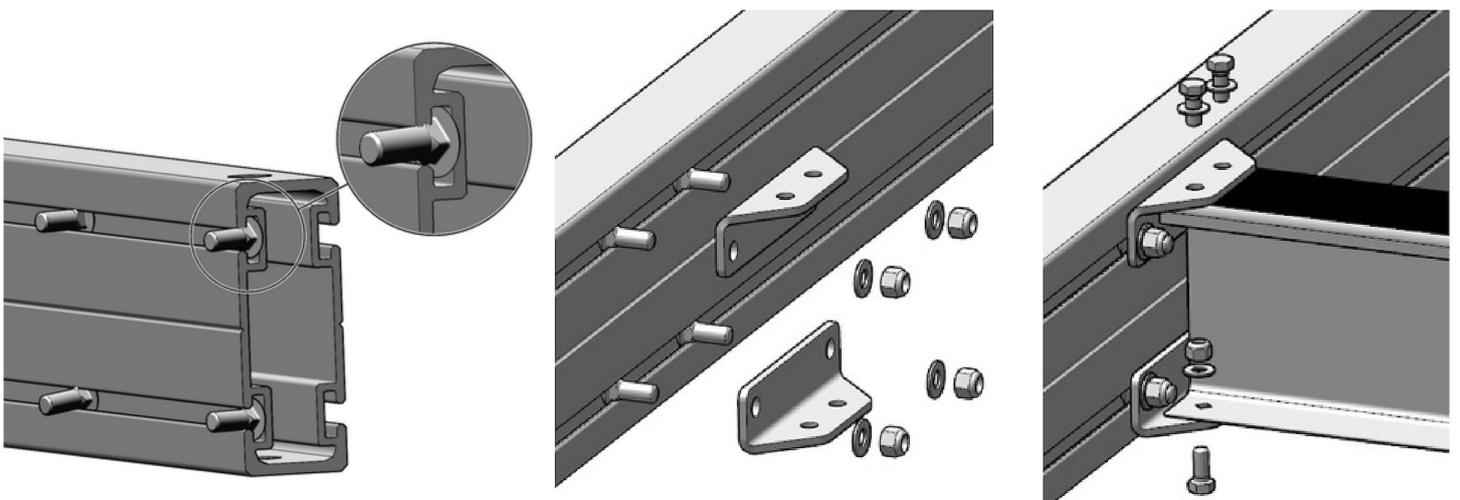
Holes should be 11/16" in diameter.



I-Beam bracket assembly X 4 - Slide the 3/8" carriage bolts into the slots on cradle and fasten. Do not tighten yet.

- Repeat on the other ends of the I-beams.
- Make sure assembly is square by measuring corner to corner diagonally and tighten all hardware.
- Place this assembly under the lift tubes and center.

Note: There will be a 2" port-to-starboard offset between the bow cradle tube and the stern cradle tube. This is due to the 2" port-to-starboard offset that exists between the bow cable drops and the stern cable drops. Keep this in mind when attaching bunks and other cradle attachments.



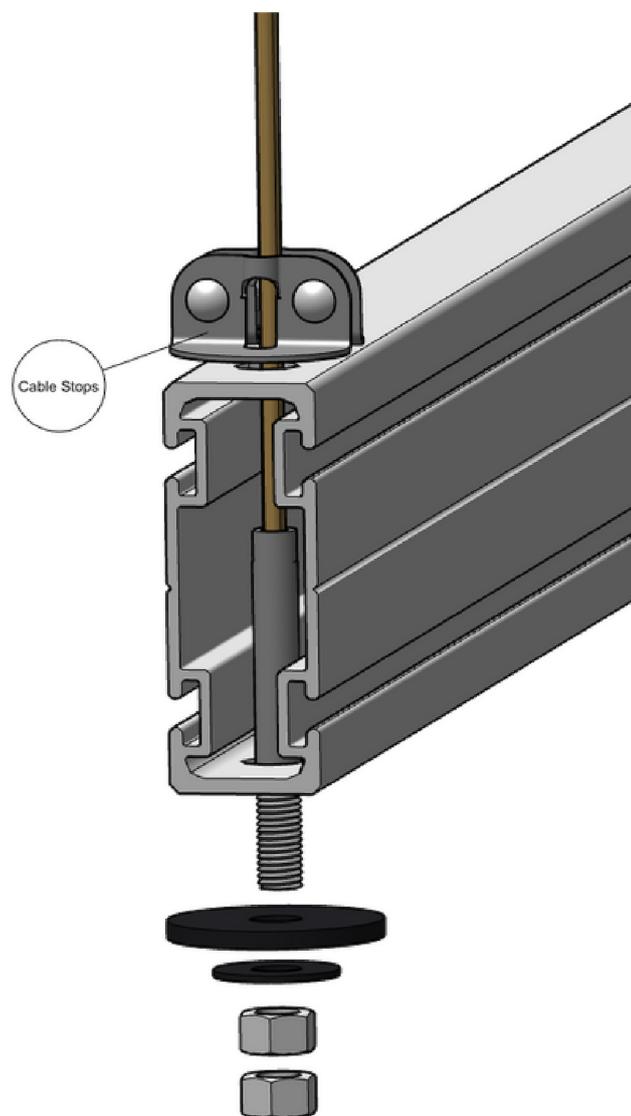
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Attach the cables on each end of both cradle tubes as shown.



Cable ends can now be integrated into platform.

Install the cable stops on each cable as close as possible to the top of each tube to prevent cables from slacking/binding up inside of or beneath the tube if the platform ever bottoms out on the lake bed/ocean floor.

Install caps on ends of cradle tubes.

Refer to specific lift bundle assembly instructions to proceed further.

