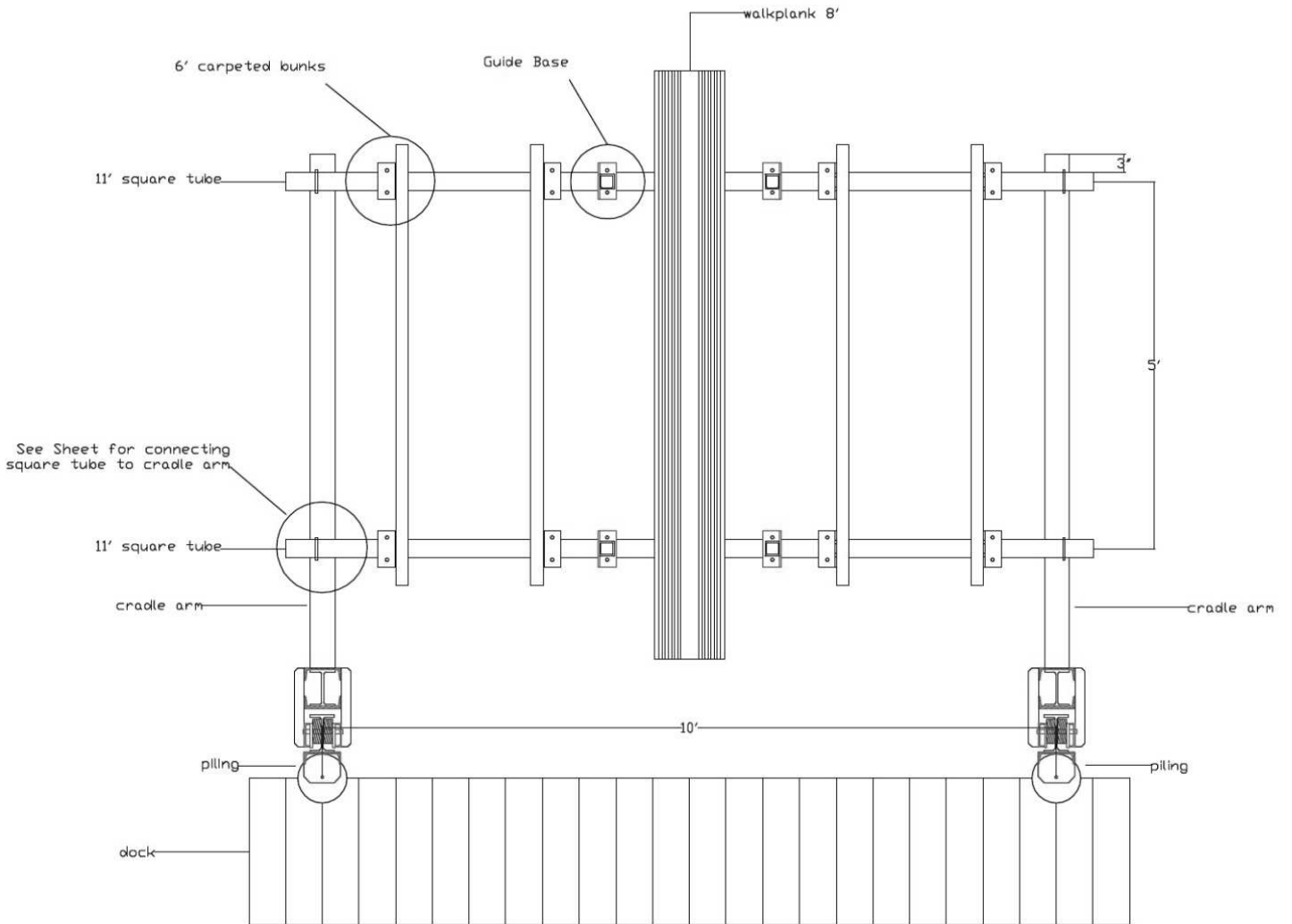


IMM QUALITY

— BOAT LIFTS —

Dual PWC
Cradle Installation
Addendum

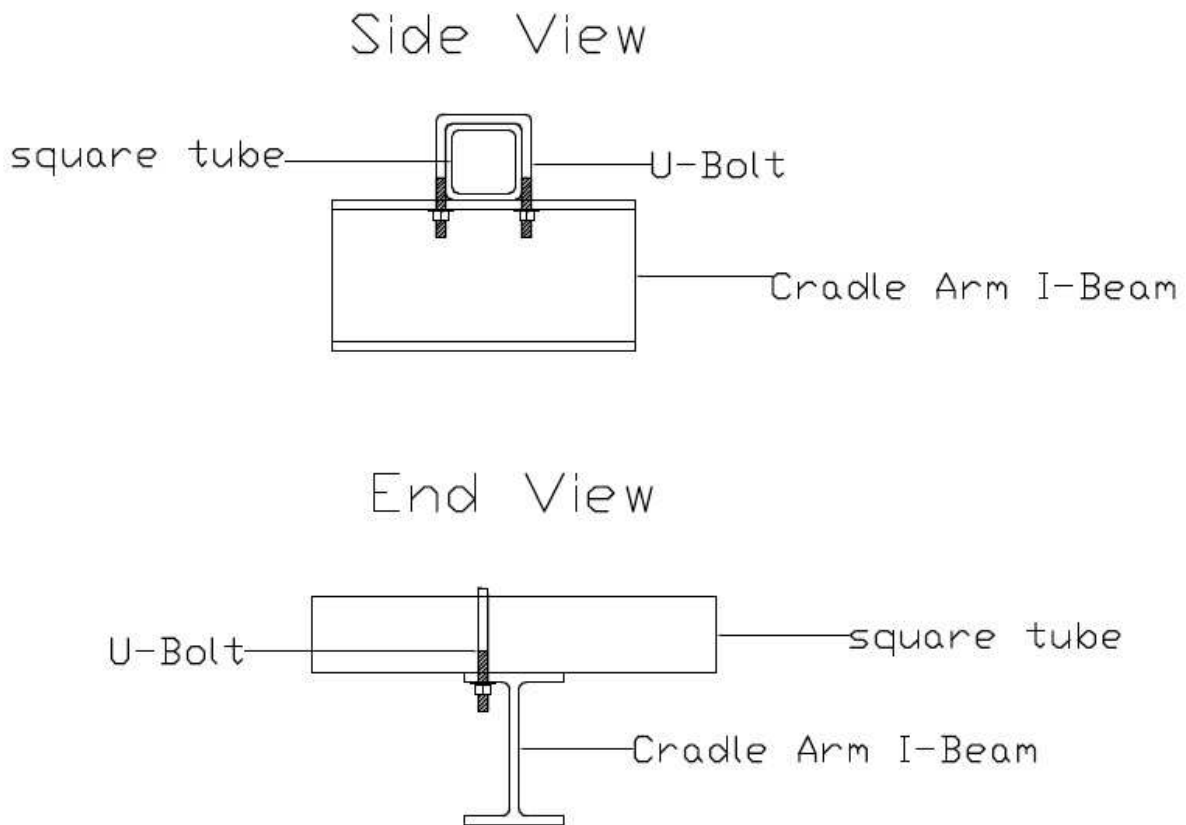
Dual PWC Cradle: Top View



Cradle Installation Instructions

1. The layout from the overhead view picture on page 2 shows pilings at 10' centers.
2. The first step is to mount two 11' square tubes to the elevator lift carriage arms. Please see the diagram on page 4 for detailed installation instructions.
3. The top view diagram on page 2 shows the first square tube 3" in from the slip side end of the carriage arm. The second square tube is positioned 60" center to center along the carriage arm. The square tube spacing can vary by a few inches, but should not exceed much more than 60" due to the length of the bunks (72") and to provide adequate space for the bunk brackets and mounting hardware.
4. After the square tubes are mounted, the 8' walkboard can be installed. Please see the diagram on page 5 for detailed installation instructions.
5. The top view diagram on page 2 shows the walkboard centered on the square tubes. The overhangs of the walk plank can be adjusted to give more walk plank towards the shore or more over the water.
6. After mounting the walkboard, the bunks can easily be mounted. Please see the diagram on page 6 for detailed installation instructions.
7. The top view diagram on page 2 shows the bunks 12" apart from each other. This spacing will vary depending on the personal water craft.
8. The final component to install are the guide post brackets. Please see the diagram on page 7 for detailed installation instructions.
9. The top view diagram on page 2 shows the guide post brackets on the walkboard side of the bunks. These guide bases can be mounted on either side of each bunk assembly. Two guide assemblies are used for each PWC bunk.
10. When the guide post brackets are installed, insert the PVC covered guide posts into the brackets.

Mounting the Square Tubes

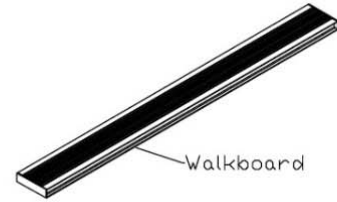
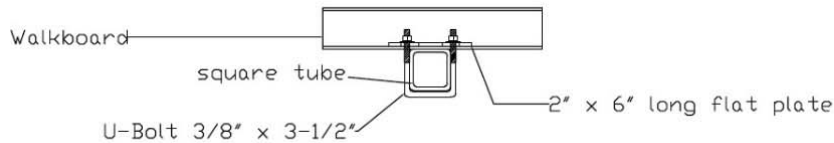


Steps:

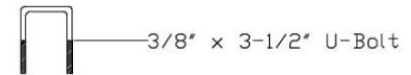
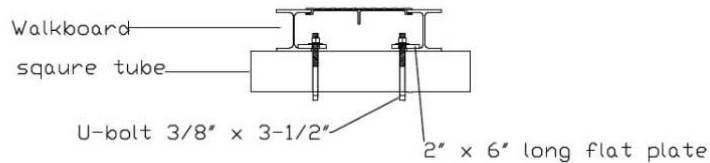
1. As shown in the top view diagram on page 2, there will be four points on the carriage cradle arms where the square tubes rest on top of the I-beam.
2. The square tubes are attached to the I-beams of the carriage arms with U-bolts.
3. Two holes will have to be drilled in the top flange of the I-beams for each U-bolt connection (8 holes in total for the 4 U-bolts).
4. Align the square tubes on the carriage arms in the desired position and make sure the square tubes are parallel and square to the carriage arm I-beams.
5. Use a U-bolt as a template for marking the top of the I-beam prior to drilling.
6. Use a 3/8" drill bit to make the holes through the top flange of the I-beam.
7. Secure the U-bolts with the provided stainless steel flat washer, lock washer and nut.

Mounting the Walkboard

Walkboard mounting side view



Walkboard mounting end view *



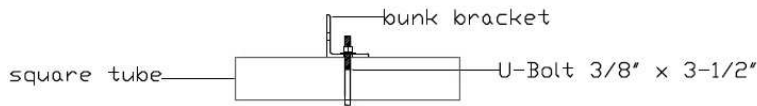
* Welded endplate removed to better visualize walkboard I-beam structure.

Steps:

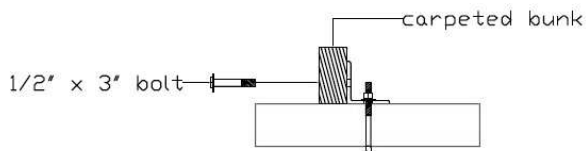
1. Position the walkboard on top of the square tubes in the desired location.
2. The U-bolts and flat plates are used to clamp the walkboards in place.
3. Place the flat plate on top of the lower flange of the walkboard I-beam structure, then place the U-bolt around the square tube, insert the threaded ends of the U-bolt up through the holes of the flat plate and secure with stainless steel flat washer, lock washer and nut.
4. There are 4 U-bolts and flat plates. Near each end of the walkboard, clamp the walkboard two times to each of the square tubes.
5. As shown above, the walkboard may be clamped on the inside of the lower flanges of the two I-beams for a more aesthetic installation. Alternatively, the walk board may be clamped on the outside of the lower flanges of the two I-beams for an easier installation.
6. The U-bolt clamps can be loosened to easily change the position of the walkboard.

Bunk Bracket Mounting

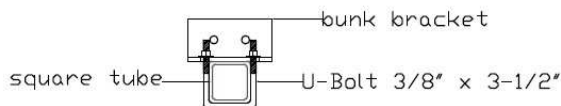
Side View



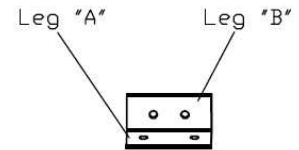
Side View with Bunk



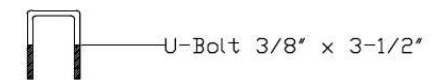
End View



Bunk Bracket



1/2" x 3" bolt

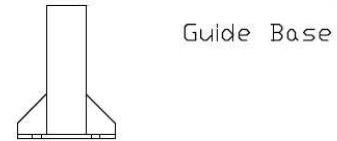
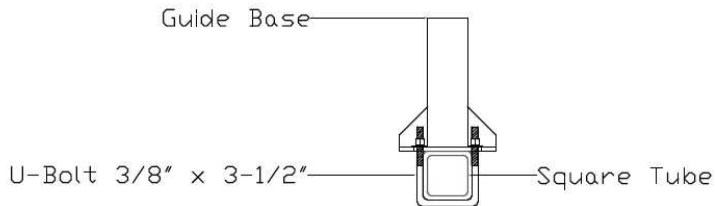


Steps:

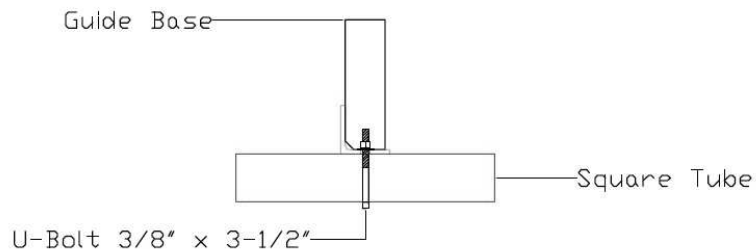
1. Each bunk bracket assembly will bolt to the square tube using a U-bolt and bunk bracket.
2. Leg "A" of the bunk bracket makes contact with the square tube. As shown above, with the U-bolt surrounding the square tube, insert the threaded ends of the U-bolt through the holes in leg "A" of the bracket and secure with nylock nuts.
3. Leg "B" of the bunk bracket will be used to mount the bunk to the bracket using (2) 1/2" x 3" bolts.
4. With the bunks in the desired position, use the brackets to mark the location of the holes. Drill (2) 9/16" holes through the bunks for each bracket.
5. Secure the bunks with the 1/2" x 3" bolts, stainless steel flat washers, lock washers and nuts.

Mounting the Guide Post Brackets

End View



Side View



Steps:

1. There are four guide post bases per lift, two for each PWC.
2. Place the guide post brackets in the desired position along the square tube.
3. With the U-bolt surrounding the square tube, insert the threaded ends of the U-bolt through the holes in the bottom of the guide post bracket.
4. Secure with stainless steel flat washers, lock washers and nuts.
5. Insert the guide post into the base, make any final adjustments to the position and tighten all hardware.

